NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
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February 11, 2022

James Kim
38-40 Purchase Corp.
12665 Crabtree Falls Drive
Bristow, VA 20136

Re: Sump Pump Treatment Interim Remedial Measure Work Plan - Approval
Former Belle Cleaners, Site No. C360086
38-40 Purchase Street, Rye, NY 10580

Dear James Kim:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health have reviewed the January 11, 2022 Sump Pump Treatment Interim Remedial Measure Work Plan for the above referenced site. We understand that the five (5) on-site sump pumps pipe together prior to off-site discharge and that the plan is to treat the water from all five sumps prior to discharge. The work plan is hereby approved. Please provide a schedule for field implementation of the work plan including a 10-business day notification to the Department for oversight coverage. If you have questions or any issues arise, please feel free to contact me at 518-402-2029 or email: greta.white@dec.ny.gov.

Sincerely,

Greta White, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: N. Recchia, GEI
D. MacNeal & J. Brown, NYSDEC
A. Ghosh & M. Schuck, NYSDOH

NEW YORK STATE OF OPPORTUNITY. Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

February 9, 2022

Greta White
NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: **Sump Pump Treatment Interim Remedial Measures Work Plan**
Former Belle Cleaners
Site # C360086
Rye, Westchester County

Dear Greta White:

I reviewed the January 2022 *Sump Pump Treatment Interim Remedial Measures Work Plan* for the above referenced site. I have the following comments on the work plan:

1. In the subsections *Sump Pump Flowrate and Volume Investigation* and *Sump Pump Treatment System* please specify if all five sumps will be addressed by the proposed treatment system. It is my understanding that sampling of sump water was conducted at only 2 of the 5 sumps present. Therefore, if the proposed scope of work does not address all sumps at the site, additional investigation will be needed to evaluate the remaining sumps.

Please contact me at 518-486-1443 if you have any questions.

Sincerely,

Arunesh Ghosh
Public Health Specialist
Bureau of Environmental Exposure Investigation

ec: M. Schuck / e-file
E. Wiegert – NYSDOH MARO
D. Taylor – WCDOH
J. Brown / D. Eaton – NYSDEC Central Office
D. Bendell – NYSDEC Region 3

GEI Consultants

Consulting Engineers and Scientists

January 11, 2022
Project 2002105

Ms. Greta White, P.G.
Assistant Geologist
Division of Environmental Remediation
Remedial Action Bureau C
N.Y.S. Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

Re: Sump Pump Treatment Interim Remedial Measure Work Plan
Former Belle Cleaner
40 Purchase Street
Rye, New York
BCP Site #C360086

Dear Ms. White:

The following is an Interim Remedial Measure Work Plan (IRMWP) for treatment of the water collected in the sump pumps at the 40 Purchase Street site in Rye, New York (herein referred to as "the Site") prior to discharge to the storm sewer system. 38-40 Purchase Corp. entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in August 2014, to investigate and remediate the 5,000-square-foot Site. 38-40 Purchase Corp. is a Participant in the Brownfield Cleanup Program. The IRMWP is being prepared in response to the letter received by the NYSDEC dated November 29, 2021 requiring an IRM for the sump pump discharge due to the presence of elevated concentrations of chlorinated volatile organic compounds (CVOCs) detected in on-Site groundwater. A Remedial Action Work Plan (RAWP) is being developed to address the CVOC impacts identified in the soil, groundwater, and soil vapor at the Site.

Project Background

Site Location and History

The Site is located in the County of Westchester, City of Rye, New York and is identified as Section 146.07 Block 3 and Lot 18 on the City of Rye Tax Map. A United States Geological Survey (USGS) topographical quadrangle map (**Figure 1**) shows the Site location. The Site is situated on an approximately 0.115-acre area bounded by Smith Street to the north, a commercial/retail building to the south, a parking lot to the east, and Purchase Street to the west (see **Figure 2**). A boundary map is attached to the BCA as required by Environmental Conservation Law (ECL) Title 14 Section 27-1419.

The Site was historically used as a dry-cleaning facility from the late 1940s until approximately 2006 when the existing one-story building was completely renovated for use as a bank (Commerce Bank). The Site is currently vacant and was most recently occupied by T.D. Bank.

GEI Consultants, Inc., P.C.
1000 New York Avenue, Suite B, Huntington Station, NY 11746
631.760.9300

The most recent dry-cleaning business (Belle Cleaners) was in operation from 1984 through 2006. Belle Cleaners was operated by Mr. Taesak Kim through 2001 at which time it was purchased by 38-40 Purchase Street Corp. (owned by Taesak Kim's son, Mr. James Kim). The southern portion of the building was historically divided from the main portion and utilized as a separate retail store that most recently (up until the 2006 building renovation) was occupied by a nail salon.

Due to shallow groundwater conditions on-Site, five (5) sump pumps are located in the basement. During heavy rainfall, groundwater infiltrates the basement walls and floors. The sump pump systems help alleviate this condition. The locations of the sump pumps are shown on **Figure 2**. The two western sump pumps (Sump Pump 1 and Sump Pump 2) each contain two Goulds Model WE0538H pumps rated for 80 gallons per minute (gpm). The pumps are installed as a tiered pumping system with the lower elevation pump operating when water rises above a set level, and the second pump operating only when the water rises above a higher level within the sump to prevent flooding of the basement. The three eastern sump pumps (Sump Pumps 3 through 5) each contain a Zoeller Model M53-D pump rated for 43 gpm. These pumps address groundwater flow at the upgradient (eastern) edge of the foundation. The discharge lines for the three eastern sump pumps connect to the discharge lines for the two larger western sump pumps.

Geological Conditions

Based on observations collected during GEI Consultants, Inc., P.C. (GEI) Remedial Investigation (RI) and other previous investigations, the subsurface conditions consist of glacial till deposits and bedrock. The glacial till generally consisted of fine to coarse sand with some silt and gravel. Bedrock, consisting of an Ordovician age basal amphibolite and felsic schist of the Hartland Formation, was encountered at a depth of approximately 20 feet below ground surface (ft. bgs) in soil borings conducted in the exterior eastern portion of the Site and approximately 2.5 to 6 feet below the basement slab.

Based upon regional topography, groundwater was presumed to flow in a west-southwest direction towards Blind Brook. Groundwater has been encountered on-Site at a depth of approximately 10 to 13 ft. bgs and immediately below the basement slab.

Remedial Investigation Findings

The RI performed at the Site by GEI was summarized in a Remedial Investigation Report (RIR) dated December 2017. Groundwater impacted with the CVOCs including tetrachloroethene (PCE) and PCE breakdown products trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride was identified on-Site during the RI and other previous investigations and off-Site during the RI. PCE is the main Contaminant of Concern (COC) at the Site.

Groundwater samples were collected from six (6) locations during the RI and analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method 8260 including the following:

- Four (4) samples from the existing on-Site monitoring wells (MW-1 through MW-4A) one (1) duplicate sample;
- Two (2) samples from downgradient off-Site monitoring wells (MW-5 and MW-6.

The monitoring well locations are shown on **Figure 2**, the sample analytical results are summarized in **Table 1**, and the laboratory analytical reports are included as **Attachment 1**.

Exceedances of the Title 6 New York Codes, Rules and Regulations (6NYCRR) NYSDEC Part 703.5 Ambient Water Quality Standards (AWQS) were limited to PCE, PCE breakdown products and several other CVOCs.

- PCE was detected above AWQS in all six (6) samples, with the concentrations ranging from 5.10 micrograms per liter (µg/l) in MW-1 to 37,000 µg/l in MW-2 on-Site and 10 µg/l in MW-6 to 18 µg/l in MW-5 off-Site.
- TCE was detected above AWQS in three (3) on-Site wells, ranging from 8.50 µg/l in MW-4A to 940 µg/l in MW-2, and off-Site well MW-5 at 7.80 µg/l.
- Cis-1,2-DCE was detected above AWQS in two (2) on-Site wells, MW-3A at 36 µg/l and MW-4A at 43 µg/l, and both off-Site wells at 5.50 µg/l in MW-6 and at 71 µg/l in the MW-5 duplicate sample.
- Vinyl chloride (24 µg/l), 1,2-dichlorobenzene (53 µg/l), 1,4-dichlorobenzene (5.90 µg/l), and trans-1,2-dichloroethene (17 µg/l) were detected above AWQS in on-Site well MW-2.

The six (6) wells were resampled on July 16, 2021, and a total of six (6) groundwater samples and one (1) duplicate sample were collected and analyzed for VOCs by USEPA Method 8260. Exceedances of the AWQS were again limited to PCE and PCE breakdown products and several other CVOCs.

- PCE and TCE were detected above AWQS in two (2) on-Site wells, MW-2 at 9,300 µg/l and 130 µg/l, respectively, and MW-4A at 8.2 µg/l and 6.4 µg/l, respectively.
- Cis-1,2-DCE exceeded AWQS in on-Site well MW-2 at 110 µg/l and both off-Site wells, MW-5 and MW-6, at 10 µg/l each.
- Vinyl chloride (14 J µg/l), chloroform (11 µg/l), and 1,2-dichlorobenzene (27 µg/l) were detected above AWQS in on-Site well MW-2.

Previous investigations have also identified PCE contaminated groundwater on-Site with the elevated concentrations identified at monitoring well MW-2 in the immediate vicinity of the former dry-cleaning machine.

During the July 16, 2021 sampling event groundwater samples were collected for the emerging contaminants 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS). A total of three (3) groundwater samples and one (1) duplicate sample were collected and analyzed for PFAS from monitoring wells MW-1, MW-3A, and MW-6, and a total of six (6) groundwater samples and one (1) duplicate sample were collected and analyzed for 1,4-dioxane from the six (6) monitoring wells.

AWQS have not been established for PFAS. The October 2020 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl substances under NYSDEC's Part 375 Remedial Programs established a screening level of 10 nanograms per liter (ng/l) for perfluorooctanoic acid (PFOA) or perfluorooctanesulfonic acid (PFOS), 100 ng/L for any other individual PFAS (not including PFOA or PFOS), and a total PFAS concentration of 500 ng/L. PFOA and PFOS both exceeded the 10 ng/L screening level in all three (3) groundwater samples, with concentrations ranging from 38.4 to 48.1 ng/l and 25.6 to 236 ng/l, respectively. The maximum concentration of each was detected in the MW-3A sample. It should be noted that PFOS was also identified in the associated laboratory blank sample. No other individual PFAS compound was detected above the 100 ng/L screening level and the total PFAS concentrations were below 500 ng/L in each sample. PFAS are not believed to be associated with Site operations.

1,4-dioxane was not detected in the groundwater samples.

Sump Pump IRM

Sump Pump Sampling

The two larger western sump pumps (Sump Pump 1 and Sump Pump 2) were sampled by GEI on November 10, 2021 and analyzed for VOCs by USEPA Method 8260. The sample analytical results are summarized in **Table 2** and the laboratory analytical report is included as **Attachment 1**. The results were compared to the 6NYCRR NYSDEC Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

Exceedances of the Part 703.6 Groundwater Effluent Limitations were limited to TCE at 6.4 µg/L in sump pump 1 and chloroform at 25 µg/L in sump pump 2. PCE was detected at a concentration of 49 µg/L in Sump Pump 1 and was non-detect in Sump Pump 2.

Sump Pump Flowrate and Volume Investigation

In order to design a treatment system for the sump pump system, the flowrate and volume of water discharged from the sump pumps needs to be determined. A datalogging flowmeter will be installed on the main discharge line of the sump pumps to determine the total flowrate from the combined discharge of all five sump pumps. The flowrate will be observed over several weeks so that a representative flowrate can be established for the sump pump discharge as well as a maximum flowrate after a significant rainfall event. GEI will observe the weather in the vicinity of the Site to ensure that the flowrate is monitored during at least one significant rainfall event. The monitoring period may be extended, with NYSDEC approval, so that a significant rainfall event is captured. The flowrates and volume of water discharged from the sump pumps will then be used to design an appropriately sized system to treat the discharge water.

Sump Pump Treatment System

To mitigate the discharge of water with concentrations exceeding the Part 703.6 Groundwater Effluent Limitations, granular activated carbon (GAC) units will be installed to treat the water prior to discharge to the storm sewer system. The size and layout of the system will be determined following the monitoring of the system flowrate and discharge volume. The system design will be submitted to NYSDEC for approval as an addendum to the IRMWP.

Sample ports will be installed on the influent and effluent piping as well as on the piping at the mid-point between the GAC units in series so that the effectiveness of the GAC units can be monitored. When breakthrough of the carbon in the first GAC in series is identified at the mid-point sampling locations, the second GAC will be moved to the first position, and a new second GAC will be installed. The spent carbon will either be disposed of in accordance with applicable regulations or reactivated at an approved off-site location.

Following installation of the GAC units, water samples will be collected at the influent (pre-GAC), mid-point (mid-GAC) and effluent (post-GAC) sample ports to demonstrate that the GAC units are effectively removing the elevated levels of VOCs from the sump pump discharge prior to it entering the storm sewer system. The water samples will be analyzed for VOCs by USEPA Method 8260 by a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory under chain-of-custody procedures.

Interim Remedial Measure Report

The results of the IRMWP and supporting documentation will be compiled in an IRM Report. The report will provide a summary of the work performed and an interpretation of the sample analytical data. Supporting documentation will consist of tables containing the analytical results, figures showing the as-built locations of IRM activities, pertinent photographic documentation of the activities completed, and conclusions and recommendations resulting from the IRM work. The IRM Report will also contain an Operation, Maintenance, and Monitoring (OM&M) Plan for the sump pump treatment systems, which at a minimum, will include the regular collection and analysis of water samples to demonstrate the effectiveness of the treatment and to monitor for breakthrough. The report will be submitted to NYSDEC for review.

If you have any questions, please contact me at 631.759.2973.

Sincerely,

GEI CONSULTANTS, INC., P. C.

Nicholas J. Recchia, P.G.
Environmental Practice Leader
Hydrogeologist

Matthew J. O'Neil, P.E.
Vice President
Senior Engineer

NJR/MJO:jam
Attachments
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Tables

Table 1. Groundwater Sample Analytical Results
Sump Pump Treatment IRMWP
40 Purchase Street - Former Belle Cleaners
Rye, New York
NYSDEC BCP Site No. C360086

Sample ID	NYSDEC AWQS	MW-1				MW-2				MW-3A						MW-3A Dup		MW-4A				MW-5		MW-5 Dup		MW-5		MW-6				Field Blank			
Sampling Date		8/25/2015		7/16/2021		8/25/2015		7/16/2021		8/25/2015		7/16/2021						8/25/2015		7/16/2021															
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L				µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
1,1,1,2-Tetrachloroethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1,1-Trichloroethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1,2,2-Tetrachloroethane	5	0.20	U	1	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1,2-Trichloroethane	1	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1-Dichloroethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1-Dichloroethylene	5	0.20	U	1.0	U	0.95		25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,1-Dichloropropylene	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
1,2,3-Trichlorobenzene	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,2,3-Trichloropropane	0.04	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
1,2,4-Trichlorobenzene	5	0.20	U	1.0	U	0.73		25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,2-Dibromo-3-chloropropane	0.04	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,2-Dibromoethane	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
1,2-Dichlorobenzene	3	0.20	U	1.0	U	**53**		**27**		0.79		1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,2-Dichloroethane	0.6	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,2-Dichloropropane	1	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,3-Dichlorobenzene	3	0.20	U	1.0	U	0.95		25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,3-Dichloropropane	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
1,4-Dichlorobenzene	3	0.20	U	1.0	U	**5.90**		25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
1,4-Dioxane	1	NA		50	U	NA		1300	U	NA		50	U	50	U			NA		50	U	NA		NA		50	U	NA		50	U	NA		50	U
2-Butanone (MEK)	50	NA		5.0	U	NA		130	U	NA		5.0	U	5.0	U			NA		5.0	U	NA		NA		5.0	U	NA		5.0	U	NA		5.0	U
2,2-Dichloropropane	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
2-Chlorotoluene	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
2-Hexanone	50	NA		5.0	U	NA		130	U	NA		5.0	U	5.0	U			NA		5.0	U	NA		NA		5.0	U	NA		5.0	U	NA		5.0	U
2-Methyl-2-propanol	NE	NA		10	U	NA		250	U	NA		10	U	10	U			NA		10	U	NA		NA		10	U	NA		10	U	NA		10	U
4-Chlorotoluene	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
4-Methyl-2-pentanone (MIBK)	NE	NA		5.0	U	NA		130	U	NA		5.0	U	5.0	U			NA		5.0	U	NA		NA		5.0	U	NA		5.0	U	NA		5.0	U
Acetone	50	NA		5.0	U	NA		130	U	NA		5.0	U	5.0	U			NA		5.0	U	NA		NA		5.0	U	NA		5.0	U	NA		5.0	U
Benzene	1	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Bromobenzene	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
Bromochloromethane	5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
Bromodichloromethane	50	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
Bromoform	50	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Bromomethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Carbon disulfide	60	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Carbon tetrachloride	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Chlorobenzene	5	0.20	U	1.0	U	0.34	J	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Chlorobromomethane	NE	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Chlorodibromomethane	NE	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Chloroethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Chloroform	7	0.20	U	1.0	U	0.40	J	**11**	J	0.20	U	1.0	U	1.0	U			0.20	U	0.55	J	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Chloromethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
cis-1,2-Dichloroethylene	5	0.53		1.0	U	0.20	U	**110**		**36**		1.0	U	1.0	U			**43**		4.0		**69**		**71**		**10**		**5.50**		**10**		0.20	U	1.0	U
cis-1,3-Dichloropropylene	0.4	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Cyclohexane	NE	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Dibromochloromethane	50	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
Dibromomethane	NE	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
Dichlorobromomethane	NE	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Dichlorodifluoromethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Ethylbenzene	5	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Ethylene Dibromide	0.0006	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Hexachlorobutadiene	0.5	0.20	U	NA		0.20	U	NA		0.20	U	NA		NA				0.20	U	NA		0.20	U	0.20	U	NA		0.20	U	NA		0.20	U	NA	
Isopropylbenzene	5	NA		4.0		NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Methyl acetate	NE	NA		5.0	U *	NA		130	U *	NA		5.0	U *	5.0	U *			NA		5.0	U *	NA		NA		5.0	U *	NA		5.0	U *	NA		5.0	U *
Methyl tert-butyl ether	10	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Methylcyclohexane	NE	NA		1.9		NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Methylene chloride	5	1	U	1.0	U	1	U	25	U	1	U	1.0	U	1.0	U			1	U	1.0	U	1	U	1	U	1.0	U	1	U	1.0	U	1	U	1.8	
m-Xylene & p-Xylene	5	NA		1.3		NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
o-Xylene	5	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Styrene	5	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
Tetrachloroethylene	5	**5.10**		1.5		**37,000**	D	**9,300**		**560**	D	0.57	J	0.87	J			**140**		**8.2**		**18**		**17**		1.9		**10**		4.5		0.20	U	1.0	U
Toluene	5	NA		1.0	U	NA		25	U	NA		1.0	U	1.0	U			NA		1.0	U	NA		NA		1.0	U	NA		1.0	U	NA		1.0	U
trans-1,2-Dichloroethylene	5	0.20	U	1.0	U	**17**		25	U	0.56		1.0	U	1.0	U			0.20	U	0.59	J	0.20	U	0.22	J	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
trans-1,3-Dichloropropylene	0.4	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Trichloroethylene	5	0.66		0.52	J	**940**	D	**130**		**17**		1.0	U	1.0	U			**8.50**		**6.4**		**7.80**		**7.80**		0.60	J	1.40		2.7		0.20	U	1.0	U
Trichlorofluoromethane	5	0.20	U	1.0	U	0.20	U	25	U	0.20	U	1.0	U	1.0	U			0.20	U	1.0	U	0.20	U	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Vinyl Chloride	2	0.20	U	1.0	U	**24**		**14**	J	1.20		1.0	U	1.0	U			0.20	U	1.0	U	0.21	J	0.20	U	1.0	U	0.20	U	1.0	U	0.20	U	1.0	U
Xylenes, Total	5	NA		1.3	J	NA		50	U	NA		2.0	U	2.0	U			NA		2.0	U	NA		NA		2.0	U	NA		2.0	U	NA		2.0	U

Table 1. Groundwater Sample Analytical Results
Sump Pump Treatment IRMWP
40 Purchase Street - Former Belle Cleaners
Rye, New York
NYSDEC BCP Site No. C360086

Sample ID	NYSDEC AWQS	MW-1				MW-2				MW-3A				MW-3A Dup		MW-4A				MW-5		MW-5 Dup		MW-5		MW-6				Field Blank			
Sampling Date		8/25/2015		7/16/2021		8/25/2015		7/16/2021		8/25/2015		7/16/2021				8/25/2015		7/16/2021		8/25/2015		8/25/2015		7/16/2021		8/25/2015		7/16/2021		8/25/2015		7/16/2021	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS	ng/L	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
6:2 Fluorotelomer sulfonic acid	100*	NA		2.26	J	NA		NA		NA		4.72	U	4.52	U	NA		NA		NA		NA		NA		NA		4.67	U	NA		4.17	U
8:2 Fluorotelomer sulfonic acid	100*	NA		3.04	U	NA		NA		NA		2.83	U	2.71	U	NA		NA		NA		NA		NA		NA		2.8	U	NA		2.5	U
NEtFOSAA	100*	NA		3.04	U	NA		NA		NA		2.83	U	2.71	U	NA		NA		NA		NA		NA		NA		2.8	U	NA		2.5	U
NMeFOSAA	100*	NA		2.02	U	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluorobutanesulfonic acid	100*	NA		18.9		NA		NA		NA		14.7		14.4		NA		NA		NA		NA		NA		NA		5.96		NA		1.67	U
Perfluorobutanoic acid	100*	NA		89.6		NA		NA		NA		13.3		13.8		NA		NA		NA		NA		NA		NA		13.6		NA		4.17	U
Perfluorodecanesulfonic acid	100*	NA		2.02	U	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluorodecanoic acid	100*	NA		5.57		NA		NA		NA		6.98		6.6		NA		NA		NA		NA		NA		NA		1.47	J	NA		1.67	U
Perfluorododecanoic acid	100*	NA		0.64	J	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluoroheptanesulfonic acid	100*	NA		1.0	J	NA		NA		NA		1.95		1.95		NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluoroheptanoic acid	100*	NA		12.3		NA		NA		NA		19.8		19.7		NA		NA		NA		NA		NA		NA		15.3		NA		1.67	U
Perfluorohexanesulfonic acid	100*	NA		6.22		NA		NA		NA		20.0		20.4		NA		NA		NA		NA		NA		NA		6.26		NA		1.67	U
Perfluorohexanoic acid	100*	NA		21.7		NA		NA		NA		24.8		23.8		NA		NA		NA		NA		NA		NA		38.6		NA		1.67	U
Perfluorononanoic acid	100*	NA		6.5		NA		NA		NA		12.9		13.3		NA		NA		NA		NA		NA		NA		8.79		NA		1.67	U
Perfluorooctanesulfonamide	100*	NA		2.02	U	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluorooctanesulfonic acid	10*	NA		**67.2**	B	NA		NA		NA		**235**	B	**236**	B	NA		NA		NA		NA		NA		NA		**25.6**	B	NA		1.67	U
Perfluorooctanoic acid	10*	NA		**43.1**		NA		NA		NA		**48.1**		**45.8**		NA		NA		NA		NA		NA		NA		**38.4**		NA		1.67	U
Perfluoropentanoic acid	100*	NA		24.0		NA		NA		NA		28.9		30.5		NA		NA		NA		NA		NA		NA		45		NA		1.67	U
Perfluorotetradecanoic acid	100*	NA		0.66	J	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluorotridecanoic acid	100*	NA		2.02	U	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Perfluoroundecanoic acid	100*	NA		2.02	U	NA		NA		NA		1.89	U	1.81	U	NA		NA		NA		NA		NA		NA		1.87	U	NA		1.67	U
Total PFAS	500*	NA		299.65		NA		NA		NA		426.43		426.25		NA		NA		NA		NA		NA		NA		198.98		NA		0.00	

NOTES:
µg/L = micrograms per liter
ng/L = nanograms per liter
NYSDEC AWQS = 6NYCRR New York State Department of Environmental Conservation Part 703.5 Class GA Ambient Water Quality Standards
* = screening level from October 2020 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances under NYSDEC's Part 375 Remedial Programs
NE=not established
NA=not analyzed
Any Regulatory Exceedences are bold and shaded
Q is the Qualifier Column with definitions as follows:
B=analyte detected in an associated blank
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 2. Sump Pump Sample Analytical Results
Sump Pump Treatment IRMWP
40 Purchase Street - Former Belle Cleaners
Rye, New York
NYSDEC BCP Site No. C360086

Sample ID / Sampling Date	NYSDEC Groundwater Effluent Limits	Sump Pump 1 11/10/2021		Sump Pump 2 11/10/2021	
Compound		Result	Q	Result	Q
Volatile Organics, 8260	µg/L	µg/L		µg/L	
1,1,1,2-Tetrachloroethane	NE	1.0	U	1.0	U
1,1,1-Trichloroethane	NE	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	NE	1.0	U	1.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NE	1.0	U	1.0	U
1,1,2-Trichloroethane	1	1.0	U	1.0	U
1,1-Dichloroethane	NE	1.0	U	1.0	U
1,1-Dichloroethene	NE	1.0	U	1.0	U
1,2,3-Trichlorobenzene	NE	1.0	U	1.0	U
1,2,4-Trichlorobenzene	NE	1.0	U	1.0	U
1,2-Dibromo-3-Chloropropane	0.04	1.0	U	1.0	U
1,2-Dichlorobenzene	3	1.0	U	1.0	U
1,2-Dichloroethane	0.6	1.0	U	1.0	U
1,2-Dichloropropane	1	1.0	U	1.0	U
1,3-Dichlorobenzene	3	1.0	U	1.0	U
1,4-Dichlorobenzene	3	1.0	U	1.0	U
1,4-Dioxane	NE	50	U	50	U
2-Butanone (MEK)	NE	5.0	U	5.0	U
2-Hexanone	NE	5.0	U	5.0	U
2-Methyl-2-propanol	NE	10	U	10	U
4-Methyl-2-pentanone (MIBK)	NE	5.0	U	5.0	U
Acetone	NE	5.0	U	5.0	U
Benzene	1	1.0	U	1.0	U
Bromoform	NE	1.0	U	1.0	U
Bromomethane	NE	1.0	U	1.0	U
Carbon disulfide	120	1.0	U	1.0	U
Carbon tetrachloride	5	1.0	U	1.0	U
Chlorobenzene	NE	1.0	U	1.0	U
Chlorobromomethane	NE	1.0	U	1.0	U
Chlorodibromomethane	NE	1.0	U	0.60	J
Chloroethane	NE	1.0	U	1.0	U
Chloroform	7	1.0	U	**25**	
Chloromethane	NE	1.0	U	1.0	U
cis-1,2-Dichloroethene	NE	21		1.0	U
cis-1,3-Dichloropropene	NE	1.0	U	1.0	U
Cyclohexane	NE	1.0	U	1.0	U
Dichlorobromomethane	NE	1.0	U	4.0	
Dichlorodifluoromethane	NE	1.0	U	1.0	U
Ethylbenzene	NE	1.0	U	1.0	U
Ethylene Dibromide	0.0006	1.0	U	1.0	U
Isopropylbenzene	NE	1.0	U	1.0	U
Methyl acetate	NE	5.0	U	5.0	U
Methyl tert-butyl ether	NE	1.0	U	1.0	U
Methylcyclohexane	NE	1.0	U	1.0	U
Methylene Chloride	5	1.0	U	1.0	U
m-Xylene & p-Xylene	NE	1.0	U	1.0	U
o-Xylene	NE	1.0	U	1.0	U
Styrene	5	1.0	U	1.0	U
Tetrachloroethene	NE	49		1.0	U
Toluene	NE	1.0	U	1.0	U
trans-1,2-Dichloroethene	NE	0.47	J	1.0	U
trans-1,3-Dichloropropene	NE	1.0	U	1.0	U
Trichloroethene	5	**6.4**		1.0	U
Trichlorofluoromethane	NE	1.0	U	1.0	U
Vinyl chloride	2	0.43	J	1.0	U
Xylenes, Total	NE	2.0	U	2.0	U

NOTES:
µg/L = micrograms per liter
NYSDEC Groundwater Effluent Limits = 6NYCRR New York State Department of Environmental Conservation Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters
* = screening level from October 2020 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances under NYSDEC's Part 375 Remedial Programs
NE=not established
Any Regulatory Exceedences are bold and shaded
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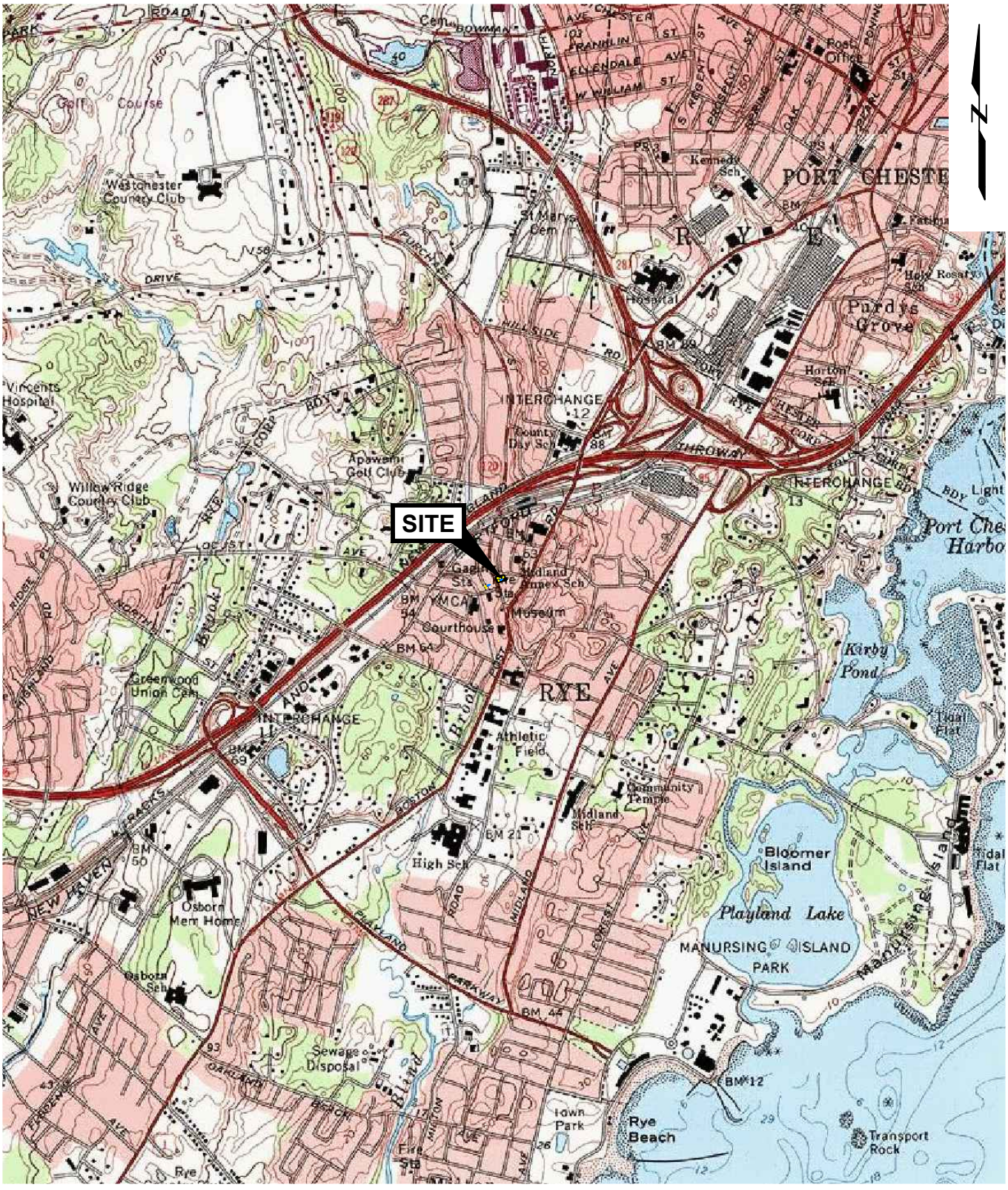
Figures



Source:
Map created with TOPO! ® © 2001 National Geographic
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Interim Remedial Measures Work Plan 40 Purchase Street - Rye, New York	GEI Consultants	SITE LOCATION MAP
38-40 Purchase Corp. Hastings on Hudson, New York	Project 2002105	January 2022 Fig. 1

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Sources:

1. Aerial Photograph Obtained From Google™ Earth Pro *(http://www.google.com/earth/)*, Imagery Date: 6/17/10, Accessed On: 12/23/14.
2. Property Boundary From The City Of Rye, New York GIS *(http://www.mapgeo.com/ryeny/)*, Accessed On 12/23/14.

Interim Remedial Measures Work Plan
40 Purchase Street - Rye, New York

38-40 Purchase Corp.
Hastings on Hudson, New York

GEI Consultants

SITE PLAN

Project 2002105 | January 2022 | Fig. 2

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Attachment 1

Laboratory Data

Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Chris Morris

Report Date: 09/02/2015
Client Project ID: 1412380
York Project (SDG) No.: 15H0855

Report Date: 09/02/2015
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GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Chris Morris

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 26, 2015 and listed below. The project was identified as your project: **1412380**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15H0855-01	MW-1	Water	08/25/2015	08/26/2015
15H0855-02	MW-2	Water	08/25/2015	08/26/2015
15H0855-03	MW-3A	Water	08/25/2015	08/26/2015
15H0855-04	MW-4A	Water	08/25/2015	08/26/2015
15H0855-05	MW-5	Water	08/25/2015	08/26/2015
15H0855-06	MW-6	Water	08/25/2015	08/26/2015
15H0855-07	Dup	Water	08/25/2015	08/26/2015
15H0855-08	Field Blank	Water	08/25/2015	08/26/2015

General Notes for York Project (SDG) No.: 15H0855

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 09/02/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 15H0855-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 1:50 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15H0855-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 1:50 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.53**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
127-18-4	**Tetrachloroethylene**	**5.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
79-01-6	**Trichloroethylene**	**0.66**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 22:35	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*79-122*

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 15H0855-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 1:50 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*107 %*			*81-117*						

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 15H0855-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 11:50 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
75-35-4	**1,1-Dichloroethylene**	**0.95**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
120-82-1	**1,2,4-Trichlorobenzene**	**0.73**		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
95-50-1	**1,2-Dichlorobenzene**	**53**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:02	SS

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 15H0855-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 11:50 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	**1,3-Dichlorobenzene**	**0.95**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
106-46-7	**1,4-Dichlorobenzene**	**5.9**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-90-7	**Chlorobenzene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-66-3	**Chloroform**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 15H0855-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 11:50 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	**Tetrachloroethylene**	**37000**		ug/L	50	120	250	EPA 8260C	08/28/2015 17:00	09/01/2015 20:19	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
156-60-5	**trans-1,2-Dichloroethylene**	**17**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-01-6	**Trichloroethylene**	**940**		ug/L	50	120	250	EPA 8260C	08/28/2015 17:00	09/01/2015 20:19	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-01-4	**Vinyl Chloride**	**24**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:02	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.7 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*

Sample Information

Client Sample ID: MW-3A **York Sample ID:** 15H0855-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 10:50 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications:	NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: **MW-3A** **York Sample ID:** **15H0855-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 10:50 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
95-50-1	**1,2-Dichlorobenzene**	**0.79**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:29	SS

Sample Information

Client Sample ID: MW-3A **York Sample ID:** 15H0855-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 10:50 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	**cis-1,2-Dichloroethylene**	**36**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
127-18-4	**Tetrachloroethylene**	**560**		ug/L	10	25	50	EPA 8260C	08/28/2015 17:00	08/31/2015 19:53	BS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
156-60-5	**trans-1,2-Dichloroethylene**	**0.56**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-01-6	**Trichloroethylene**	**17**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-01-4	**Vinyl Chloride**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:29	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*

Sample Information

Client Sample ID: MW-4A **York Sample ID:** 15H0855-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 9:30 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/28/2015 23:57	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: MW-4A **York Sample ID:** 15H0855-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 9:30 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/28/2015 23:57	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/28/2015 23:57	SS

Sample Information

Client Sample ID: **MW-4A** **York Sample ID:** **15H0855-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 9:30 am	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
156-59-2	**cis-1,2-Dichloroethylene**	**43**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
127-18-4	**Tetrachloroethylene**	**140**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
79-01-6	**Trichloroethylene**	**8.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/28/2015 23:57	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.7 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 15H0855-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 1:30 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **15H0855-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 1:30 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
156-59-2	**cis-1,2-Dichloroethylene**	**69**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
127-18-4	**Tetrachloroethylene**	**18**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
79-01-6	**Trichloroethylene**	**7.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS
75-01-4	**Vinyl Chloride**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*81-117*

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **15H0855-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 1:30 pm	08/26/2015

Sample Information

Client Sample ID: **MW-6** **York Sample ID:** **15H0855-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 2:35 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 15H0855-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 2:35 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
156-59-2	**cis-1,2-Dichloroethylene**	**5.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
127-18-4	**Tetrachloroethylene**	**10**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 00:52	SS

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 15H0855-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 2:35 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	**Trichloroethylene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*

Sample Information

Client Sample ID: Dup **York Sample ID:** 15H0855-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 3:00 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	NELAC-NY10854,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	NELAC-NY10854,NJDEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	NELAC-NY10854,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/28/2015 17:00	08/29/2015 01:20	SS
								Certifications:	NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: **Dup** **York Sample ID:** **15H0855-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 3:00 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
156-59-2	**cis-1,2-Dichloroethylene**	**71**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:20	SS

Sample Information

Client Sample ID: **Dup** **York Sample ID:** **15H0855-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 3:00 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
127-18-4	**Tetrachloroethylene**	**17**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
156-60-5	**trans-1,2-Dichloroethylene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
79-01-6	**Trichloroethylene**	**7.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **15H0855-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 3:00 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:47	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:47	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2015 17:00	08/29/2015 01:47	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **15H0855-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 3:00 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **15H0855-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15H0855	1412380	Water	August 25, 2015 3:00 pm	08/26/2015

Volatile Organics, 8260 Halogenated - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/28/2015 17:00 CTDOH,NELAC-NY10854,NJDEP	08/29/2015 01:47	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*81-117*

Analytical Batch Summary

Batch ID: BH51338 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15H0855-01	MW-1	08/28/15
15H0855-02	MW-2	08/28/15
15H0855-03	MW-3A	08/28/15
15H0855-04	MW-4A	08/28/15
15H0855-05	MW-5	08/28/15
15H0855-06	MW-6	08/28/15
15H0855-07	Dup	08/28/15
15H0855-08	Field Blank	08/28/15
BH51338-BLK1	Blank	08/28/15
BH51338-BS1	LCS	08/28/15
BH51338-BSD1	LCS Dup	08/28/15
BH51338-MS1	Matrix Spike	08/28/15
BH51338-MSD1	Matrix Spike Dup	08/28/15

Batch ID: BH51373 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15H0855-03RE1	MW-3A	08/31/15
BH51373-BLK1	Blank	08/31/15
BH51373-BS1	LCS	08/31/15
BH51373-BSD1	LCS Dup	08/31/15

Batch ID: BI50051 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15H0855-02RE1	MW-2	09/01/15
BI50051-BLK1	Blank	09/01/15
BI50051-BS1	LCS	09/01/15
BI50051-BSD1	LCS Dup	09/01/15

Volatile Organic Compounds by GC/MS - Quality Control Data

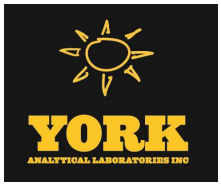
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51338 - EPA 5030B											
Blank (BH51338-BLK1)									Prepared & Analyzed: 08/28/2015		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	2.0	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Tetrachloroethylene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Surrogate: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

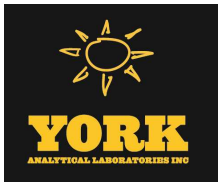
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51338 - EPA 5030B											
LCS (BH51338-BS1)								Prepared & Analyzed: 08/28/2015			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	9.27		"	10.0		92.7	78-136				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.26		"	10.0		92.6	54-165				
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123				
1,1-Dichloroethane	9.19		"	10.0		91.9	82-129				
1,1-Dichloroethylene	9.22		"	10.0		92.2	68-138				
1,1-Dichloropropylene	9.19		"	10.0		91.9	83-133				
1,2,3-Trichlorobenzene	9.67		"	10.0		96.7	76-136				
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128				
1,2,4-Trichlorobenzene	9.88		"	10.0		98.8	76-137				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123				
1,2-Dichloroethane	9.13		"	10.0		91.3	73-132				
1,2-Dichloropropane	10.8		"	10.0		108	78-126				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,3-Dichloropropane	10.4		"	10.0		104	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	8.97		"	10.0		89.7	56-150				
2-Chlorotoluene	11.1		"	10.0		111	79-130				
4-Chlorotoluene	11.0		"	10.0		110	79-128				
Bromobenzene	10.7		"	10.0		107	78-129				
Bromochloromethane	9.35		"	10.0		93.5	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	10.1		"	10.0		101	78-133				
Bromomethane	6.23		"	10.0		62.3	43-168				
Carbon tetrachloride	9.40		"	10.0		94.0	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	9.15		"	10.0		91.5	65-136				
Chloroform	9.28		"	10.0		92.8	82-128				
Chloromethane	7.56		"	10.0		75.6	43-155				
cis-1,2-Dichloroethylene	8.76		"	10.0		87.6	83-129				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	11.0		"	10.0		110	72-134				
Dichlorodifluoromethane	10.3		"	10.0		103	44-144				
Hexachlorobutadiene	9.75		"	10.0		97.5	67-146				
Methylene chloride	8.98		"	10.0		89.8	55-137				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
trans-1,2-Dichloroethylene	8.71		"	10.0		87.1	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	8.90		"	10.0		89.0	67-139				
Vinyl Chloride	8.88		"	10.0		88.8	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Surrogate: Toluene-d8	*11.0*		*"*	*10.0*		*110*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

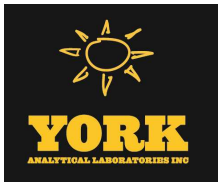
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51338 - EPA 5030B											
LCS Dup (BH51338-BSD1)								Prepared & Analyzed: 08/28/2015			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		4.52	30	
1,1,1-Trichloroethane	9.60		"	10.0		96.0	78-136		3.50	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		2.54	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		8.28	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		2.93	30	
1,1-Dichloroethane	9.37		"	10.0		93.7	82-129		1.94	30	
1,1-Dichloroethylene	9.53		"	10.0		95.3	68-138		3.31	30	
1,1-Dichloropropylene	9.30		"	10.0		93.0	83-133		1.19	30	
1,2,3-Trichlorobenzene	9.75		"	10.0		97.5	76-136		0.824	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		5.60	30	
1,2,4-Trichlorobenzene	9.77		"	10.0		97.7	76-137		1.12	30	
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147		0.281	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		0.195	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123		0.383	30	
1,2-Dichloroethane	9.05		"	10.0		90.5	73-132		0.880	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		5.88	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122		0.567	30	
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125		5.04	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		1.13	30	
2,2-Dichloropropane	8.95		"	10.0		89.5	56-150		0.223	30	
2-Chlorotoluene	11.1		"	10.0		111	79-130		0.360	30	
4-Chlorotoluene	11.0		"	10.0		110	79-128		0.455	30	
Bromobenzene	10.9		"	10.0		109	78-129		1.86	30	
Bromochloromethane	8.97		"	10.0		89.7	77-128		4.15	30	
Bromodichloromethane	10.4		"	10.0		104	79-128		1.72	30	
Bromoform	9.65		"	10.0		96.5	78-133		4.75	30	
Bromomethane	6.74		"	10.0		67.4	43-168		7.86	30	
Carbon tetrachloride	9.71		"	10.0		97.1	77-141		3.24	30	
Chlorobenzene	9.98		"	10.0		99.8	88-120		4.12	30	
Chloroethane	8.44		"	10.0		84.4	65-136		8.07	30	
Chloroform	9.24		"	10.0		92.4	82-128		0.432	30	
Chloromethane	7.90		"	10.0		79.0	43-155		4.40	30	
cis-1,2-Dichloroethylene	9.18		"	10.0		91.8	83-129		4.68	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		0.783	30	
Dibromochloromethane	9.97		"	10.0		99.7	80-130		5.94	30	
Dibromomethane	10.5		"	10.0		105	72-134		4.38	30	
Dichlorodifluoromethane	10.4		"	10.0		104	44-144		1.06	30	
Hexachlorobutadiene	9.61		"	10.0		96.1	67-146		1.45	30	
Methylene chloride	8.99		"	10.0		89.9	55-137		0.111	30	
Tetrachloroethylene	10.6		"	10.0		106	82-131		0.0939	30	
trans-1,2-Dichloroethylene	9.16		"	10.0		91.6	80-132		5.04	30	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	78-131		2.48	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.678	30	
Trichlorofluoromethane	9.08		"	10.0		90.8	67-139		2.00	30	
Vinyl Chloride	9.15		"	10.0		91.5	58-145		3.00	30	
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

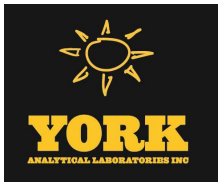
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51338 - EPA 5030B											
Matrix Spike (BH51338-MS1)	*Source sample: 15H0855-04 (MW-4A)							Prepared: 08/28/2015 Analyzed: 08/29/2015			
1,1,1,2-Tetrachloroethane	9.89		ug/L	10.0	ND	98.9	45-161				
1,1,1-Trichloroethane	8.59		"	10.0	ND	85.9	70-146				
1,1,2,2-Tetrachloroethane	11.8		"	10.0	ND	118	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.82		"	10.0	ND	88.2	21-217				
1,1,2-Trichloroethane	10.2		"	10.0	ND	102	59-146				
1,1-Dichloroethane	9.15		"	10.0	ND	91.5	54-146				
1,1-Dichloroethylene	8.73		"	10.0	ND	87.3	44-165				
1,1-Dichloropropylene	8.97		"	10.0	ND	89.7	82-134				
1,2,3-Trichlorobenzene	9.69		"	10.0	ND	96.9	40-161				
1,2,3-Trichloropropane	11.5		"	10.0	ND	115	74-127				
1,2,4-Trichlorobenzene	9.75		"	10.0	ND	97.5	41-161				
1,2-Dibromo-3-chloropropane	9.82		"	10.0	ND	98.2	31-151				
1,2-Dibromoethane	10.5		"	10.0	ND	105	75-125				
1,2-Dichlorobenzene	10.6		"	10.0	ND	106	63-122				
1,2-Dichloroethane	7.79		"	10.0	ND	77.9	68-131				
1,2-Dichloropropane	10.7		"	10.0	ND	107	77-121				
1,3-Dichlorobenzene	10.9		"	10.0	ND	109	74-119				
1,3-Dichloropropane	10.2		"	10.0	ND	102	77-119				
1,4-Dichlorobenzene	10.9		"	10.0	ND	109	70-124				
2,2-Dichloropropane	5.88		"	10.0	ND	58.8	10-160				
2-Chlorotoluene	11.5		"	10.0	ND	115	70-126				
4-Chlorotoluene	11.1		"	10.0	ND	111	69-124				
Bromobenzene	11.5		"	10.0	ND	115	72-122				
Bromochloromethane	8.54		"	10.0	ND	85.4	75-121				
Bromodichloromethane	9.97		"	10.0	ND	99.7	70-129				
Bromoform	9.63		"	10.0	ND	96.3	66-136				
Bromomethane	1.02		"	10.0	ND	10.2	30-158	Low Bias			
Carbon tetrachloride	8.83		"	10.0	ND	88.3	71-146				
Chlorobenzene	10.2		"	10.0	ND	102	81-117				
Chloroethane	8.21		"	10.0	ND	82.1	51-145				
Chloroform	8.86		"	10.0	ND	88.6	80-124				
Chloromethane	2.00		"	10.0	ND	20.0	16-163				
cis-1,2-Dichloroethylene	48.2		"	10.0	42.9	53.2	76-125	Low Bias			
cis-1,3-Dichloropropylene	8.86		"	10.0	ND	88.6	58-131				
Dibromochloromethane	10.2		"	10.0	ND	102	71-129				
Dibromomethane	9.70		"	10.0	ND	97.0	76-120				
Dichlorodifluoromethane	7.95		"	10.0	ND	79.5	30-147				
Hexachlorobutadiene	9.07		"	10.0	ND	90.7	34-166				
Methylene chloride	8.10		"	10.0	ND	81.0	57-128				
Tetrachloroethylene	135		"	10.0	137	NR	64-139	Low Bias			
trans-1,2-Dichloroethylene	8.57		"	10.0	ND	85.7	79-131				
trans-1,3-Dichloropropylene	8.32		"	10.0	ND	83.2	55-130				
Trichloroethylene	18.5		"	10.0	8.47	100	53-145				
Trichlorofluoromethane	7.89		"	10.0	ND	78.9	61-142				
Vinyl Chloride	8.20		"	10.0	ND	82.0	31-165				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51338 - EPA 5030B											
Matrix Spike Dup (BH51338-MSD1)	*Source sample: 15H0855-04 (MW-4A)								Prepared: 08/28/2015 Analyzed: 08/29/2015		
1,1,1,2-Tetrachloroethane	9.58		ug/L	10.0	ND	95.8	45-161		3.18	30	
1,1,1-Trichloroethane	8.24		"	10.0	ND	82.4	70-146		4.16	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0	ND	113	74-121		3.55	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.98		"	10.0	ND	79.8	21-217		10.0	30	
1,1,2-Trichloroethane	9.98		"	10.0	ND	99.8	59-146		2.08	30	
1,1-Dichloroethane	8.33		"	10.0	ND	83.3	54-146		9.38	30	
1,1-Dichloroethylene	8.09		"	10.0	ND	80.9	44-165		7.61	30	
1,1-Dichloropropylene	8.31		"	10.0	ND	83.1	82-134		7.64	30	
1,2,3-Trichlorobenzene	9.52		"	10.0	ND	95.2	40-161		1.77	30	
1,2,3-Trichloropropane	10.4		"	10.0	ND	104	74-127		9.40	30	
1,2,4-Trichlorobenzene	9.22		"	10.0	ND	92.2	41-161		5.59	30	
1,2-Dibromo-3-chloropropane	9.41		"	10.0	ND	94.1	31-151		4.26	30	
1,2-Dibromoethane	10.1		"	10.0	ND	101	75-125		3.39	30	
1,2-Dichlorobenzene	10.2		"	10.0	ND	102	63-122		3.74	30	
1,2-Dichloroethane	7.21		"	10.0	ND	72.1	68-131		7.73	30	
1,2-Dichloropropane	10.6		"	10.0	ND	106	77-121		1.13	30	
1,3-Dichlorobenzene	10.3		"	10.0	ND	103	74-119		5.56	30	
1,3-Dichloropropane	9.79		"	10.0	ND	97.9	77-119		4.40	30	
1,4-Dichlorobenzene	10.4		"	10.0	ND	104	70-124		4.61	30	
2,2-Dichloropropane	5.29		"	10.0	ND	52.9	10-160		10.6	30	
2-Chlorotoluene	10.9		"	10.0	ND	109	70-126		5.34	30	
4-Chlorotoluene	10.7		"	10.0	ND	107	69-124		4.03	30	
Bromobenzene	10.9		"	10.0	ND	109	72-122		5.00	30	
Bromochloromethane	8.31		"	10.0	ND	83.1	75-121		2.73	30	
Bromodichloromethane	9.75		"	10.0	ND	97.5	70-129		2.23	30	
Bromoform	9.05		"	10.0	ND	90.5	66-136		6.21	30	
Bromomethane	2.43		"	10.0	ND	24.3	30-158	Low Bias	81.7	30	Non-dir.
Carbon tetrachloride	8.02		"	10.0	ND	80.2	71-146		9.61	30	
Chlorobenzene	10.0		"	10.0	ND	100	81-117		1.39	30	
Chloroethane	7.45		"	10.0	ND	74.5	51-145		9.71	30	
Chloroform	8.56		"	10.0	ND	85.6	80-124		3.44	30	
Chloromethane	2.64		"	10.0	ND	26.4	16-163		27.6	30	
cis-1,2-Dichloroethylene	46.3		"	10.0	42.9	34.0	76-125	Low Bias	4.06	30	
cis-1,3-Dichloropropylene	8.77		"	10.0	ND	87.7	58-131		1.02	30	
Dibromochloromethane	9.85		"	10.0	ND	98.5	71-129		3.98	30	
Dibromomethane	9.73		"	10.0	ND	97.3	76-120		0.309	30	
Dichlorodifluoromethane	7.42		"	10.0	ND	74.2	30-147		6.90	30	
Hexachlorobutadiene	8.58		"	10.0	ND	85.8	34-166		5.55	30	
Methylene chloride	7.58		"	10.0	ND	75.8	57-128		6.63	30	
Tetrachloroethylene	140		"	10.0	137	28.6	64-139	Low Bias	3.41	30	
trans-1,2-Dichloroethylene	8.04		"	10.0	ND	80.4	79-131		6.38	30	
trans-1,3-Dichloropropylene	8.13		"	10.0	ND	81.3	55-130		2.31	30	
Trichloroethylene	18.2		"	10.0	8.47	96.8	53-145		1.86	30	
Trichlorofluoromethane	7.39		"	10.0	ND	73.9	61-142		6.54	30	
Vinyl Chloride	7.52		"	10.0	ND	75.2	31-165		8.65	30	
Surrogate: 1,2-Dichloroethane-d4	*9.50*		*"*	*10.0*		*95.0*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
Surrogate: Toluene-d8	*10.9*		*"*	*10.0*		*109*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

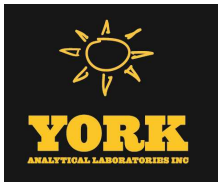
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51373 - EPA 5030B											
Blank (BH51373-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Tetrachloroethylene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.30*		*"*	*10.0*		*93.0*	*79-122*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				

Prepared & Analyzed: 08/31/2015

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51373 - EPA 5030B											
LCS (BH51373-BS1)								Prepared & Analyzed: 08/31/2015			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136				
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165				
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123				
1,1-Dichloroethane	10.3		"	10.0		103	82-129				
1,1-Dichloroethylene	9.73		"	10.0		97.3	68-138				
1,1-Dichloropropylene	10.2		"	10.0		102	83-133				
1,2,3-Trichlorobenzene	10.9		"	10.0		109	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137				
1,2-Dibromo-3-chloropropane	9.89		"	10.0		98.9	45-147				
1,2-Dibromoethane	10.5		"	10.0		105	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	10.3		"	10.0		103	73-132				
1,2-Dichloropropane	10.8		"	10.0		108	78-126				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124				
2,2-Dichloropropane	10.8		"	10.0		108	56-150				
2-Chlorotoluene	10.7		"	10.0		107	79-130				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	10.6		"	10.0		106	77-128				
Bromodichloromethane	11.3		"	10.0		113	79-128				
Bromoform	11.8		"	10.0		118	78-133				
Bromomethane	8.48		"	10.0		84.8	43-168				
Carbon tetrachloride	10.3		"	10.0		103	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	10.8		"	10.0		108	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	11.1		"	10.0		111	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131				
Dibromochloromethane	11.6		"	10.0		116	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	11.0		"	10.0		110	44-144				
Hexachlorobutadiene	10.3		"	10.0		103	67-146				
Methylene chloride	9.22		"	10.0		92.2	55-137				
Tetrachloroethylene	9.85		"	10.0		98.5	82-131				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	9.91		"	10.0		99.1	67-139				
Vinyl Chloride	10.8		"	10.0		108	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.96*		*"*	*10.0*		*99.6*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Surrogate: Toluene-d8	*9.90*		*"*	*10.0*		*99.0*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH51373 - EPA 5030B											
LCS Dup (BH51373-BSD1)							Prepared & Analyzed: 08/31/2015				
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		1.33	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		1.08	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		2.89	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		1.09	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	82-123		1.14	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		1.46	30	
1,1-Dichloroethylene	9.74		"	10.0		97.4	68-138		0.103	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		0.974	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136		1.29	30	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128		0.483	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		3.06	30	
1,2-Dibromo-3-chloropropane	9.26		"	10.0		92.6	45-147		6.58	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		1.32	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123		0.949	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		1.17	30	
1,2-Dichloropropane	10.3		"	10.0		103	78-126		4.26	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		0.393	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		0.194	30	
1,4-Dichlorobenzene	9.91		"	10.0		99.1	85-124		2.69	30	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		4.55	30	
2-Chlorotoluene	10.6		"	10.0		106	79-130		0.938	30	
4-Chlorotoluene	10.2		"	10.0		102	79-128		3.00	30	
Bromobenzene	10.2		"	10.0		102	78-129		5.43	30	
Bromochloromethane	10.4		"	10.0		104	77-128		2.38	30	
Bromodichloromethane	10.9		"	10.0		109	79-128		2.97	30	
Bromoform	11.2		"	10.0		112	78-133		5.06	30	
Bromomethane	7.97		"	10.0		79.7	43-168		6.20	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		0.771	30	
Chlorobenzene	10.5		"	10.0		105	88-120		1.33	30	
Chloroethane	10.7		"	10.0		107	65-136		1.02	30	
Chloroform	9.84		"	10.0		98.4	82-128		3.98	30	
Chloromethane	10.4		"	10.0		104	43-155		7.26	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		2.72	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		0.864	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		3.34	30	
Dibromomethane	10.3		"	10.0		103	72-134		0.774	30	
Dichlorodifluoromethane	10.9		"	10.0		109	44-144		0.548	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		1.64	30	
Methylene chloride	9.15		"	10.0		91.5	55-137		0.762	30	
Tetrachloroethylene	10.0		"	10.0		100	82-131		1.71	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		1.98	30	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131		0.291	30	
Trichloroethylene	10.2		"	10.0		102	82-128		0.887	30	
Trichlorofluoromethane	10.2		"	10.0		102	67-139		3.08	30	
Vinyl Chloride	10.7		"	10.0		107	58-145		0.838	30	
Surrogate: 1,2-Dichloroethane-d4	*9.67*		*"*	*10.0*		*96.7*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
Surrogate: Toluene-d8	*9.79*		*"*	*10.0*		*97.9*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

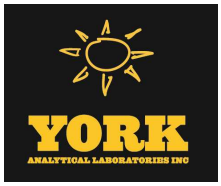
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI50051 - EPA 5030B											
Blank (BI50051-BLK1)											Prepared & Analyzed: 09/01/2015
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Tetrachloroethylene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Surrogate: 1,2-Dichloroethane-d4	*9.97*		*"*	*10.0*		*99.7*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI50051 - EPA 5030B											
LCS (BI50051-BS1)								Prepared & Analyzed: 09/01/2015			
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82-126				
1,1,1-Trichloroethane	9.64		"	10.0		96.4	78-136				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	54-165				
1,1,2-Trichloroethane	11.4		"	10.0		114	82-123				
1,1-Dichloroethane	11.2		"	10.0		112	82-129				
1,1-Dichloroethylene	10.9		"	10.0		109	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136				
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137				
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123				
1,2-Dichloroethane	10.5		"	10.0		105	73-132				
1,2-Dichloropropane	10.9		"	10.0		109	78-126				
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122				
1,3-Dichloropropane	11.2		"	10.0		112	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
2,2-Dichloropropane	12.4		"	10.0		124	56-150				
2-Chlorotoluene	11.0		"	10.0		110	79-130				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
Bromobenzene	10.6		"	10.0		106	78-129				
Bromochloromethane	9.00		"	10.0		90.0	77-128				
Bromodichloromethane	10.7		"	10.0		107	79-128				
Bromoform	10.4		"	10.0		104	78-133				
Bromomethane	13.6		"	10.0		136	43-168				
Carbon tetrachloride	10.8		"	10.0		108	77-141				
Chlorobenzene	11.2		"	10.0		112	88-120				
Chloroethane	11.2		"	10.0		112	65-136				
Chloroform	10.1		"	10.0		101	82-128				
Chloromethane	12.1		"	10.0		121	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.6		"	10.0		106	72-134				
Dichlorodifluoromethane	16.3		"	10.0		163	44-144	High Bias			
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Methylene chloride	10.5		"	10.0		105	55-137				
Tetrachloroethylene	11.1		"	10.0		111	82-131				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	12.4		"	10.0		124	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.52*		*"*	*10.0*		*95.2*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.61*		*"*	*10.0*		*96.1*	*79-122*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI50051 - EPA 5030B											
LCS Dup (BI50051-BSD1)								Prepared & Analyzed: 09/01/2015			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		4.85	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136		11.5	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		1.32	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		1.95	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	82-123		8.39	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		0.990	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		0.647	30	
1,1-Dichloropropylene	10.7		"	10.0		107	83-133		1.69	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		1.61	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		0.186	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		0.567	30	
1,2-Dibromo-3-chloropropane	9.97		"	10.0		99.7	45-147		1.79	30	
1,2-Dibromoethane	10.4		"	10.0		104	83-124		3.39	30	
1,2-Dichlorobenzene	10.7		"	10.0		107	79-123		1.40	30	
1,2-Dichloroethane	9.97		"	10.0		99.7	73-132		5.08	30	
1,2-Dichloropropane	11.0		"	10.0		110	78-126		1.37	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122		0.00	30	
1,3-Dichloropropane	10.8		"	10.0		108	81-125		3.65	30	
1,4-Dichlorobenzene	11.3		"	10.0		113	85-124		7.41	30	
2,2-Dichloropropane	11.8		"	10.0		118	56-150		4.79	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		1.28	30	
4-Chlorotoluene	11.0		"	10.0		110	79-128		1.00	30	
Bromobenzene	10.4		"	10.0		104	78-129		1.14	30	
Bromochloromethane	11.3		"	10.0		113	77-128		22.8	30	
Bromodichloromethane	10.7		"	10.0		107	79-128		0.0932	30	
Bromoform	10.4		"	10.0		104	78-133		0.0964	30	
Bromomethane	13.4		"	10.0		134	43-168		1.63	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		0.463	30	
Chlorobenzene	10.6		"	10.0		106	88-120		5.14	30	
Chloroethane	11.4		"	10.0		114	65-136		1.24	30	
Chloroform	10.8		"	10.0		108	82-128		6.99	30	
Chloromethane	12.0		"	10.0		120	43-155		1.08	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		2.59	30	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-131		1.44	30	
Dibromochloromethane	10.2		"	10.0		102	80-130		6.11	30	
Dibromomethane	10.5		"	10.0		105	72-134		1.61	30	
Dichlorodifluoromethane	16.3		"	10.0		163	44-144	High Bias	0.0614	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		1.26	30	
Methylene chloride	10.3		"	10.0		103	55-137		2.50	30	
Tetrachloroethylene	10.7		"	10.0		107	82-131		3.12	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132		1.02	30	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	78-131		4.52	30	
Trichloroethylene	10.8		"	10.0		108	82-128		1.03	30	
Trichlorofluoromethane	10.9		"	10.0		109	67-139		0.831	30	
Vinyl Chloride	12.4		"	10.0		124	58-145		0.483	30	
Surrogate: 1,2-Dichloroethane-d4	*9.22*		*"*	*10.0*		*92.2*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.73*		*"*	*10.0*		*97.3*	*79-122*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15H0855-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-03	MW-3A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-04	MW-4A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-05	MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-06	MW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-07	Dup	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15H0855-08	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15H0855

YOUR Information

Company: GEI Consultants
Address: 110 Walt Whitman Rd Huntington Station NY
Phone No. 631 759-2967
Contact Person: Chris Murris
E-Mail Address: Cmurris@geiconsultants.com

Report To:

Company: GEI
Address:
Phone No.
Attention: Chris Murris
E-Mail Address: Cmurris@geiconsultants.com

Invoice To:

Company: GEI
Address:
Phone No.
Attention: Sandra St. Hilaire
E-Mail Address: GEIpayables@geiconsultants.com

YOUR Project ID

1412380

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report ___
- Summary w/ QA Summary ___
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package X
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)

- Simple Excel ___
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___
- **York Regulatory Comparison Excel Spreadsheet** X

Compare to the following Regs. (please fill in):
NYS TOGS AWQS Class GA

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Devin Byrne / Chris Murris
Samples Collected/Authorized By (Signature)

Chris Murris
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1	8/25/15 1350	GW	Halogenated VOCs	40ml VOA (3)
MW-2	1150			
MW-3A	1050			
MW-4A	0930			
MW-4A MS	0930			
MW-4A MSD	0930			
MW-5	1330			
MW-6	1435			
Dup	—			
Field Blank	1500			

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By: Chris Murris 8/26/15 1215 — Date/Time
Samples Relinquished By: KBaker 8-26-15 — Date/Time

Samples Received By: KBaker 8/26/15 1215 — Date/Time
Samples Received in LAB by: PSpace 8-26-15 1836 — Date/Time

Temperature on Receipt 4.3 °C

eurofins | Environment Testing America

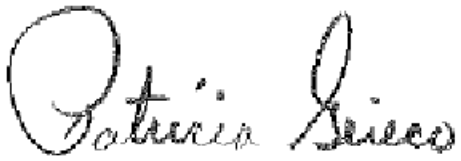
ANALYTICAL REPORT

Job Number: 460-239002-1

Job Description: Belle's Cleaners

For:
GEI Consultants, Inc.
1000 New York Avenue
Huntington Station, NY 11746

Attention: William Fitchett



Approved for release.
Patricia Grieco
Senior Project Manager
7/26/2021 1:40 PM

Designee for
Melissa Haas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(203)308-0880
Melissa.Haas@Eurofinset.com
07/26/2021

cc: Nicholas Recchia

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

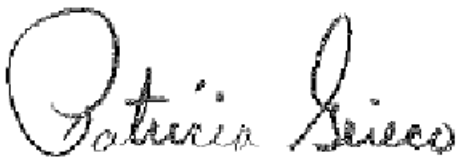
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Edison
777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

Job Number: 460-239002-1

Job Description: Belle's Cleaners

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Patricia Grieco
Senior Project Manager
7/26/2021 1:40 PM

Designee for
Melissa Haas

Table of Contents

Table of Contents

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: Belle's Cleaners

Report Number: 460-239002-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/16/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Samples MW-1 (460-239002-1), MW-3A (460-239002-2), MW-XX (460-239002-3), MW-6 (460-239002-4) and FB071621 (460-239002-5) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC-IDA. The samples were prepared on 07/20/2021 and analyzed on 07/22/2021.

Reporting limits were raised for the following sample: MW-1 due to limited sample volume.

Perfluorooctanesulfonic acid was detected in method blank MB 410-150688/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the Per- and Polyfluoroalkyl Substances (PFAS) analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239002-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-239002-1	MW-1	Water	07/16/21 10:20	07/16/21 19:00
460-239002-2	MW-3A	Water	07/16/21 12:35	07/16/21 19:00
460-239002-3	MW-XX	Water	07/16/21 12:35	07/16/21 19:00
460-239002-4	MW-6	Water	07/16/21 09:20	07/16/21 19:00
460-239002-4 MS	MW-6	Water	07/16/21 09:20	07/16/21 19:00
460-239002-4 MSD	MW-6	Water	07/16/21 09:20	07/16/21 19:00
460-239002-5	FB071621	Water	07/16/21 13:40	07/16/21 19:00

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239002-1

Client Sample ID: MW-1 — Lab Sample ID: 460-239002-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	21.7		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	12.3		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	43.1		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorononanoic acid	6.50		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorodecanoic acid	5.57		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorotetradecanoic acid	0.66	J	2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid	18.9		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	6.22		2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	67.2	B	2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluoroheptanesulfonic acid	1.0	J	2.02	0.51	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	89.6		5.06	2.02	ng/L	1		537 IDA	Total/NA
Perfluorododecanoic acid	0.64	J	2.02	0.51	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid	2.26	J	5.06	2.02	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	24.0		2.02	0.51	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-3A — Lab Sample ID: 460-239002-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	24.8		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	19.8		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	48.1		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorononanoic acid	12.9		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorodecanoic acid	6.98		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid	14.7		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	20.0		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	235	B	1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluoroheptanesulfonic acid	1.95		1.89	0.47	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	13.3		4.72	1.89	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	28.9		1.89	0.47	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-XX — Lab Sample ID: 460-239002-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	23.8		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	19.7		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	45.8		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorononanoic acid	13.3		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorodecanoic acid	6.60		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid	14.4		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	20.4		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	236	B	1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluoroheptanesulfonic acid	1.95		1.81	0.45	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	13.8		4.52	1.81	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	30.5		1.81	0.45	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 460-239002-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	38.6		1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	15.3		1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	38.4		1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluorononanoic acid	8.79		1.87	0.47	ng/L	1		537 IDA	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6 (Continued)

Lab Sample ID: 460-239002-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid	1.47	J	1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid	5.96		1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	6.26		1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	25.6	B	1.87	0.47	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	13.6		4.67	1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	45.0		1.87	0.47	ng/L	1		537 IDA	Total/NA

Client Sample ID: FB071621

Lab Sample ID: 460-239002-5

No Detections.

Method Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239002-1

Method	Method Description	Protocol	Laboratory
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample ID: MW-1

Date Collected: 07/16/21 10:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-1

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**21.7**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluoroheptanoic acid	**12.3**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorooctanoic acid	**43.1**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorononanoic acid	**6.50**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorodecanoic acid	**5.57**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorotridecanoic acid	2.02	U	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorotetradecanoic acid	**0.66**	**J**	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorobutanesulfonic acid	**18.9**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorohexanesulfonic acid	**6.22**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorooctanesulfonic acid	**67.2**	**B**	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
NEtFOSAA	3.04	U	3.04	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
NMeFOSAA	2.02	U	2.02	0.61	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluoroheptanesulfonic acid	**1.0**	**J**	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorodecanesulfonic acid	2.02	U	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorooctanesulfonamide	2.02	U	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorobutanoic acid	**89.6**		5.06	2.02	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluoroundecanoic acid	2.02	U	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluorododecanoic acid	**0.64**	**J**	2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1
6:2 Fluorotelomer sulfonic acid	**2.26**	**J**	5.06	2.02	ng/L		07/20/21 17:11	07/22/21 04:53	1
8:2 Fluorotelomer sulfonic acid	3.04	U	3.04	1.01	ng/L		07/20/21 17:11	07/22/21 04:53	1
Perfluoropentanoic acid	**24.0**		2.02	0.51	ng/L		07/20/21 17:11	07/22/21 04:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*107*		*34 - 182*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
M2-6:2 FTS	*130*		*29 - 189*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C5 PFHxA	*68*		*31 - 142*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C4 PFHpA	*79*		*30 - 144*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C8 PFOA	*73*		*49 - 127*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C9 PFNA	*88*		*47 - 136*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C6 PFDA	*78*		*47 - 128*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C7 PFUnA	*76*		*40 - 135*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C2-PFDoDA	*58*		*28 - 136*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C2 PFTeDA	*50*		*10 - 144*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C3 PFBS	*150*		*19 - 178*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C3 PFHxS	*68*		*32 - 145*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C8 PFOS	*74*		*49 - 126*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
d3-NMeFOSAA	*65*		*32 - 151*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
d5-NEtFOSAA	*81*		*37 - 164*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C8 FOSA	*52*		*10 - 143*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C4 PFBA	*76*		*41 - 132*	*07/20/21 17:11*	*07/22/21 04:53*	*1*
13C5 PFPeA	*152*		*33 - 155*	*07/20/21 17:11*	*07/22/21 04:53*	*1*

Client Sample ID: MW-3A

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-2

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**24.8**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluoroheptanoic acid	**19.8**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorooctanoic acid	**48.1**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1

Client Sample ID: MW-3A

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-2

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	**12.9**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorodecanoic acid	**6.98**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorotridecanoic acid	1.89	U	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorotetradecanoic acid	1.89	U	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorobutanesulfonic acid	**14.7**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorohexanesulfonic acid	**20.0**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorooctanesulfonic acid	**235**	**B**	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
NEtFOSAA	2.83	U	2.83	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
NMeFOSAA	1.89	U	1.89	0.57	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluoroheptanesulfonic acid	**1.95**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorodecanesulfonic acid	1.89	U	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorooctanesulfonamide	1.89	U	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorobutanoic acid	**13.3**		4.72	1.89	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluoroundecanoic acid	1.89	U	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluorododecanoic acid	1.89	U	1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1
6:2 Fluorotelomer sulfonic acid	4.72	U	4.72	1.89	ng/L		07/20/21 17:11	07/22/21 05:04	1
8:2 Fluorotelomer sulfonic acid	2.83	U	2.83	0.94	ng/L		07/20/21 17:11	07/22/21 05:04	1
Perfluoropentanoic acid	**28.9**		1.89	0.47	ng/L		07/20/21 17:11	07/22/21 05:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*137*		*34 - 182*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
M2-6:2 FTS	*146*		*29 - 189*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C5 PFHxA	*73*		*31 - 142*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C4 PFHpA	*86*		*30 - 144*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C8 PFOA	*77*		*49 - 127*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C9 PFNA	*102*		*47 - 136*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C6 PFDA	*96*		*47 - 128*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C7 PFUnA	*103*		*40 - 135*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C2-PFDoDA	*93*		*28 - 136*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C2 PFTeDA	*84*		*10 - 144*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C3 PFBS	*110*		*19 - 178*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C3 PFHxS	*78*		*32 - 145*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C8 PFOS	*88*		*49 - 126*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
d3-NMeFOSAA	*86*		*32 - 151*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
d5-NEtFOSAA	*121*		*37 - 164*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C8 FOSA	*78*		*10 - 143*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C4 PFBA	*89*		*41 - 132*	*07/20/21 17:11*	*07/22/21 05:04*	*1*
13C5 PFPeA	*112*		*33 - 155*	*07/20/21 17:11*	*07/22/21 05:04*	*1*

Client Sample ID: MW-XX

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-3

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**23.8**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluoroheptanoic acid	**19.7**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorooctanoic acid	**45.8**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorononanoic acid	**13.3**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorodecanoic acid	**6.60**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorotridecanoic acid	1.81	U	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1

Client Sample ID: MW-XX

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-3

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	1.81	U	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorobutanesulfonic acid	**14.4**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorohexanesulfonic acid	**20.4**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorooctanesulfonic acid	**236**	**B**	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
NEtFOSAA	2.71	U	2.71	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
NMeFOSAA	1.81	U	1.81	0.54	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluoroheptanesulfonic acid	**1.95**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorodecanesulfonic acid	1.81	U	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorooctanesulfonamide	1.81	U	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorobutanoic acid	**13.8**		4.52	1.81	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluoroundecanoic acid	1.81	U	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluorododecanoic acid	1.81	U	1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1
6:2 Fluorotelomer sulfonic acid	4.52	U	4.52	1.81	ng/L		07/20/21 17:11	07/22/21 05:15	1
8:2 Fluorotelomer sulfonic acid	2.71	U	2.71	0.90	ng/L		07/20/21 17:11	07/22/21 05:15	1
Perfluoropentanoic acid	**30.5**		1.81	0.45	ng/L		07/20/21 17:11	07/22/21 05:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*143*		*34 - 182*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
M2-6:2 FTS	*170*		*29 - 189*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C5 PFHxA	*82*		*31 - 142*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C4 PFHpA	*92*		*30 - 144*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C8 PFOA	*87*		*49 - 127*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C9 PFNA	*103*		*47 - 136*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C6 PFDA	*97*		*47 - 128*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C7 PFUnA	*113*		*40 - 135*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C2-PFDoDA	*92*		*28 - 136*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C2 PFTeDA	*83*		*10 - 144*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C3 PFBS	*124*		*19 - 178*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C3 PFHxS	*85*		*32 - 145*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C8 PFOS	*93*		*49 - 126*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
d3-NMeFOSAA	*86*		*32 - 151*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
d5-NEtFOSAA	*131*		*37 - 164*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C8 FOSA	*77*		*10 - 143*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C4 PFBA	*95*		*41 - 132*	*07/20/21 17:11*	*07/22/21 05:15*	*1*
13C5 PFPeA	*115*		*33 - 155*	*07/20/21 17:11*	*07/22/21 05:15*	*1*

Client Sample ID: MW-6

Date Collected: 07/16/21 09:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-4

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**38.6**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluoroheptanoic acid	**15.3**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorooctanoic acid	**38.4**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorononanoic acid	**8.79**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorodecanoic acid	**1.47**	**J**	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorotridecanoic acid	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorotetradecanoic acid	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorobutanesulfonic acid	**5.96**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorohexanesulfonic acid	**6.26**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1

Client Sample ID: MW-6

Date Collected: 07/16/21 09:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-4

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	**25.6**	**B**	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
NEtFOSAA	2.80	U	2.80	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
NMeFOSAA	1.87	U	1.87	0.56	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluoroheptanesulfonic acid	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorodecanesulfonic acid	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorooctanesulfonamide	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorobutanoic acid	**13.6**		4.67	1.87	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluoroundecanoic acid	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluorododecanoic acid	1.87	U	1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1
6:2 Fluorotelomer sulfonic acid	4.67	U	4.67	1.87	ng/L		07/20/21 17:11	07/22/21 05:26	1
8:2 Fluorotelomer sulfonic acid	2.80	U	2.80	0.93	ng/L		07/20/21 17:11	07/22/21 05:26	1
Perfluoropentanoic acid	**45.0**		1.87	0.47	ng/L		07/20/21 17:11	07/22/21 05:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*119*		*34 - 182*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
M2-6:2 FTS	*135*		*29 - 189*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C5 PFHxA	*83*		*31 - 142*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C4 PFHpA	*91*		*30 - 144*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C8 PFOA	*83*		*49 - 127*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C9 PFNA	*92*		*47 - 136*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C6 PFDA	*95*		*47 - 128*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C7 PFUnA	*102*		*40 - 135*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C2-PFDoDA	*90*		*28 - 136*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C2 PFTeDA	*75*		*10 - 144*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C3 PFBS	*100*		*19 - 178*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C3 PFHxS	*78*		*32 - 145*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C8 PFOS	*86*		*49 - 126*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
d3-NMeFOSAA	*77*		*32 - 151*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
d5-NEtFOSAA	*115*		*37 - 164*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C8 FOSA	*71*		*10 - 143*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C4 PFBA	*89*		*41 - 132*	*07/20/21 17:11*	*07/22/21 05:26*	*1*
13C5 PFPeA	*104*		*33 - 155*	*07/20/21 17:11*	*07/22/21 05:26*	*1*

Client Sample ID: FB071621

Date Collected: 07/16/21 13:40
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-5

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluoroheptanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorooctanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorononanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorodecanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorotridecanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorotetradecanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorobutanesulfonic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorohexanesulfonic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorooctanesulfonic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
NEtFOSAA	2.50	U	2.50	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
NMeFOSAA	1.67	U	1.67	0.50	ng/L		07/20/21 17:11	07/22/21 05:59	1

Client Sample ID: FB071621

Date Collected: 07/16/21 13:40
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-5

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorodecanesulfonic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorooctanesulfonamide	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorobutanoic acid	4.17	U	4.17	1.67	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluoroundecanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluorododecanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1
6:2 Fluorotelomer sulfonic acid	4.17	U	4.17	1.67	ng/L		07/20/21 17:11	07/22/21 05:59	1
8:2 Fluorotelomer sulfonic acid	2.50	U	2.50	0.83	ng/L		07/20/21 17:11	07/22/21 05:59	1
Perfluoropentanoic acid	1.67	U	1.67	0.42	ng/L		07/20/21 17:11	07/22/21 05:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*131*		*34 - 182*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
M2-6:2 FTS	*123*		*29 - 189*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C5 PFHxA	*83*		*31 - 142*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C4 PFHpA	*92*		*30 - 144*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C8 PFOA	*83*		*49 - 127*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C9 PFNA	*101*		*47 - 136*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C6 PFDA	*98*		*47 - 128*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C7 PFUnA	*98*		*40 - 135*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C2-PFDoDA	*87*		*28 - 136*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C2 PFTeDA	*79*		*10 - 144*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C3 PFBS	*86*		*19 - 178*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C3 PFHxS	*81*		*32 - 145*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C8 PFOS	*92*		*49 - 126*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
d3-NMeFOSAA	*80*		*32 - 151*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
d5-NEtFOSAA	*105*		*37 - 164*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C8 FOSA	*55*		*10 - 143*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C4 PFBA	*89*		*41 - 132*	*07/20/21 17:11*	*07/22/21 05:59*	*1*
13C5 PFPeA	*95*		*33 - 155*	*07/20/21 17:11*	*07/22/21 05:59*	*1*

Isotope Dilution Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239002-1

Method: 537 IDA - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (34-182)	M262FTS (29-189)	13C5PHA (31-142)	C4PFHA (30-144)	C8PFOA (49-127)	C9PFNA (47-136)	C6PFDA (47-128)	13C7PUA (40-135)
460-239002-1	MW-1	107	130	68	79	73	88	78	76
460-239002-2	MW-3A	137	146	73	86	77	102	96	103
460-239002-3	MW-XX	143	170	82	92	87	103	97	113
460-239002-4	MW-6	119	135	83	91	83	92	95	102
460-239002-4 MS	MW-6	112	115	74	80	75	88	89	95
460-239002-4 MSD	MW-6	119	128	78	87	79	92	88	98
460-239002-5	FB071621	131	123	83	92	83	101	98	98
LCS 410-150688/2-A	Lab Control Sample	123	114	91	96	86	101	97	98
MB 410-150688/1-A	Method Blank	122	126	96	98	94	93	99	105

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoDA (28-136)	PFTDA (10-144)	C3PFBS (19-178)	C3PFHS (32-145)	C8PFOS (49-126)	d3NMFOS (32-151)	d5NEFOS (37-164)	PFOSA (10-143)
460-239002-1	MW-1	58	50	150	68	74	65	81	52
460-239002-2	MW-3A	93	84	110	78	88	86	121	78
460-239002-3	MW-XX	92	83	124	85	93	86	131	77
460-239002-4	MW-6	90	75	100	78	86	77	115	71
460-239002-4 MS	MW-6	81	72	93	73	86	71	94	70
460-239002-4 MSD	MW-6	88	74	97	79	85	74	113	68
460-239002-5	FB071621	87	79	86	81	92	80	105	55
LCS 410-150688/2-A	Lab Control Sample	88	80	89	83	98	84	104	69
MB 410-150688/1-A	Method Blank	98	93	86	87	90	81	115	69

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PFBA (41-132)	PFPeA (33-155)
460-239002-1	MW-1	76	152
460-239002-2	MW-3A	89	112
460-239002-3	MW-XX	95	115
460-239002-4	MW-6	89	104
460-239002-4 MS	MW-6	82	94
460-239002-4 MSD	MW-6	87	99
460-239002-5	FB071621	89	95
LCS 410-150688/2-A	Lab Control Sample	93	100
MB 410-150688/1-A	Method Blank	94	97

Surrogate Legend

M282FTS = M2-8:2 FTS
M262FTS = M2-6:2 FTS
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA

Isotope Dilution Summary

Client: GEI Consultants, Inc.
Job ID: 460-239002-1
Project/Site: Belle's Cleaners

d5NEFOS = d5-NEtFOSAA
PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-150688/1-A
Matrix: Water
Analysis Batch: 151710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 150688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluoroheptanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorooctanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorononanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorodecanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorotridecanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorotetradecanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorobutanesulfonic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorohexanesulfonic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorooctanesulfonic acid	0.725	J	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
NEtFOSAA	3.00	U	3.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
NMeFOSAA	2.00	U	2.00	0.60	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluoroheptanesulfonic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorodecanesulfonic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorooctanesulfonamide	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorobutanoic acid	5.00	U	5.00	2.00	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluoroundecanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluorododecanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1
6:2 Fluorotelomer sulfonic acid	5.00	U	5.00	2.00	ng/L		07/20/21 17:11	07/23/21 01:58	1
8:2 Fluorotelomer sulfonic acid	3.00	U	3.00	1.00	ng/L		07/20/21 17:11	07/23/21 01:58	1
Perfluoropentanoic acid	2.00	U	2.00	0.50	ng/L		07/20/21 17:11	07/23/21 01:58	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*122*		*34 - 182*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
M2-6:2 FTS	*126*		*29 - 189*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C5 PFHxA	*96*		*31 - 142*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C4 PFHpA	*98*		*30 - 144*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C8 PFOA	*94*		*49 - 127*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C9 PFNA	*93*		*47 - 136*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C6 PFDA	*99*		*47 - 128*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C7 PFUnA	*105*		*40 - 135*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C2-PFDoDA	*98*		*28 - 136*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C2 PFTeDA	*93*		*10 - 144*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C3 PFBS	*86*		*19 - 178*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C3 PFHxS	*87*		*32 - 145*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C8 PFOS	*90*		*49 - 126*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
d3-NMeFOSAA	*81*		*32 - 151*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
d5-NEtFOSAA	*115*		*37 - 164*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C8 FOSA	*69*		*10 - 143*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C4 PFBA	*94*		*41 - 132*	*07/20/21 17:11*	*07/23/21 01:58*	*1*
13C5 PFPeA	*97*		*33 - 155*	*07/20/21 17:11*	*07/23/21 01:58*	*1*

Lab Sample ID: LCS 410-150688/2-A
Matrix: Water
Analysis Batch: 151710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 150688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	25.6	29.24		ng/L		114	66 - 137
Perfluoroheptanoic acid	25.6	27.12		ng/L		106	66 - 141

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-150688/2-A
Matrix: Water
Analysis Batch: 151710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 150688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanoic acid	25.6	30.35		ng/L		119	65 - 136
Perfluorononanoic acid	25.6	28.11		ng/L		110	65 - 140
Perfluorodecanoic acid	25.6	27.16		ng/L		106	63 - 137
Perfluorotridecanoic acid	25.6	27.87		ng/L		109	58 - 146
Perfluorotetradecanoic acid	25.6	29.02		ng/L		113	64 - 141
Perfluorobutanesulfonic acid	22.7	24.69		ng/L		109	65 - 132
Perfluorohexanesulfonic acid	23.3	25.94		ng/L		111	60 - 128
Perfluorooctanesulfonic acid	23.7	25.73		ng/L		109	51 - 126
NEtFOSAA	25.6	26.92		ng/L		105	54 - 134
NMeFOSAA	25.6	26.95		ng/L		105	58 - 143
Perfluoroheptanesulfonic acid	24.4	27.81		ng/L		114	67 - 135
Perfluorodecanesulfonic acid	24.7	23.54		ng/L		95	61 - 134
Perfluorooctanesulfonamide	25.6	29.93		ng/L		117	55 - 130
Perfluorobutanoic acid	25.6	26.97		ng/L		105	62 - 156
Perfluoroundecanoic acid	25.6	30.15		ng/L		118	62 - 138
Perfluorododecanoic acid	25.6	26.92		ng/L		105	63 - 140
6:2 Fluorotelomer sulfonic acid	24.3	24.23		ng/L		100	57 - 137
8:2 Fluorotelomer sulfonic acid	24.5	26.03		ng/L		106	56 - 140
Perfluoropentanoic acid	25.6	25.99		ng/L		102	72 - 139

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-8:2 FTS	*123*		*34 - 182*
M2-6:2 FTS	*114*		*29 - 189*
13C5 PFHxA	*91*		*31 - 142*
13C4 PFHpA	*96*		*30 - 144*
13C8 PFOA	*86*		*49 - 127*
13C9 PFNA	*101*		*47 - 136*
13C6 PFDA	*97*		*47 - 128*
13C7 PFUnA	*98*		*40 - 135*
13C2-PFDoDA	*88*		*28 - 136*
13C2 PFTeDA	*80*		*10 - 144*
13C3 PFBS	*89*		*19 - 178*
13C3 PFHxS	*83*		*32 - 145*
13C8 PFOS	*98*		*49 - 126*
d3-NMeFOSAA	*84*		*32 - 151*
d5-NEtFOSAA	*104*		*37 - 164*
13C8 FOSA	*69*		*10 - 143*
13C4 PFBA	*93*		*41 - 132*
13C5 PFPeA	*100*		*33 - 155*

Lab Sample ID: 460-239002-4 MS
Matrix: Water
Analysis Batch: 151245

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 150688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	38.6		22.9	65.95		ng/L		119	66 - 137
Perfluoroheptanoic acid	15.3		22.9	41.80		ng/L		116	66 - 141
Perfluorooctanoic acid	38.4		22.9	64.38		ng/L		113	65 - 136
Perfluorononanoic acid	8.79		22.9	34.62		ng/L		113	65 - 140

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: 460-239002-4 MS
Matrix: Water
Analysis Batch: 151245

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 150688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorodecanoic acid	1.47	J	22.9	25.85		ng/L		106	63 - 137
Perfluorotridecanoic acid	1.87	U	22.9	24.31		ng/L		106	58 - 146
Perfluorotetradecanoic acid	1.87	U	22.9	26.04		ng/L		114	64 - 141
Perfluorobutanesulfonic acid	5.96		20.3	28.36		ng/L		110	65 - 132
Perfluorohexanesulfonic acid	6.26		20.9	30.35		ng/L		115	60 - 128
Perfluorooctanesulfonic acid	25.6	B	21.2	45.69		ng/L		95	51 - 126
NEtFOSAA	2.80	U	22.9	24.43		ng/L		107	54 - 134
NMeFOSAA	1.87	U	22.9	25.92		ng/L		113	58 - 143
Perfluoroheptanesulfonic acid	1.87	U	21.8	25.52		ng/L		117	67 - 135
Perfluorodecanesulfonic acid	1.87	U	22.1	21.32		ng/L		96	61 - 134
Perfluorooctanesulfonamide	1.87	U	22.9	25.84		ng/L		113	55 - 130
Perfluorobutanoic acid	13.6		22.9	38.79		ng/L		110	62 - 156
Perfluoroundecanoic acid	1.87	U	22.9	25.60		ng/L		112	62 - 138
Perfluorododecanoic acid	1.87	U	22.9	26.11		ng/L		114	63 - 140
6:2 Fluorotelomer sulfonic acid	4.67	U	21.7	21.21		ng/L		98	57 - 137
8:2 Fluorotelomer sulfonic acid	2.80	U	22.0	23.40		ng/L		107	56 - 140
Perfluoropentanoic acid	45.0		22.9	70.52		ng/L		111	72 - 139

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
M2-8:2 FTS	*112*		*34 - 182*
M2-6:2 FTS	*115*		*29 - 189*
13C5 PFHxA	*74*		*31 - 142*
13C4 PFHpA	*80*		*30 - 144*
13C8 PFOA	*75*		*49 - 127*
13C9 PFNA	*88*		*47 - 136*
13C6 PFDA	*89*		*47 - 128*
13C7 PFUnA	*95*		*40 - 135*
13C2-PFDoDA	*81*		*28 - 136*
13C2 PFTeDA	*72*		*10 - 144*
13C3 PFBS	*93*		*19 - 178*
13C3 PFHxS	*73*		*32 - 145*
13C8 PFOS	*86*		*49 - 126*
d3-NMeFOSAA	*71*		*32 - 151*
d5-NEtFOSAA	*94*		*37 - 164*
13C8 FOSA	*70*		*10 - 143*
13C4 PFBA	*82*		*41 - 132*
13C5 PFPeA	*94*		*33 - 155*

Lab Sample ID: 460-239002-4 MSD
Matrix: Water
Analysis Batch: 151245

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 150688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	38.6		22.9	64.99		ng/L		115	66 - 137	1	30
Perfluoroheptanoic acid	15.3		22.9	38.68		ng/L		102	66 - 141	8	30
Perfluorooctanoic acid	38.4		22.9	66.85		ng/L		124	65 - 136	4	30
Perfluorononanoic acid	8.79		22.9	35.64		ng/L		117	65 - 140	3	30
Perfluorodecanoic acid	1.47	J	22.9	27.81		ng/L		115	63 - 137	7	30
Perfluorotridecanoic acid	1.87	U	22.9	23.81		ng/L		104	58 - 146	2	30

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: 460-239002-4 MSD
Matrix: Water
Analysis Batch: 151245

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 150688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorotetradecanoic acid	1.87	U	22.9	26.03		ng/L		114	64 - 141	0	30
Perfluorobutanesulfonic acid	5.96		20.2	28.46		ng/L		111	65 - 132	0	30
Perfluorohexanesulfonic acid	6.26		20.9	29.22		ng/L		110	60 - 128	4	30
Perfluorooctanesulfonic acid	25.6	B	21.2	51.08		ng/L		121	51 - 126	11	30
NEtFOSAA	2.80	U	22.9	21.23		ng/L		93	54 - 134	14	30
NMeFOSAA	1.87	U	22.9	25.27		ng/L		110	58 - 143	3	30
Perfluoroheptanesulfonic acid	1.87	U	21.8	26.55		ng/L		122	67 - 135	4	30
Perfluorodecanesulfonic acid	1.87	U	22.1	23.33		ng/L		106	61 - 134	9	30
Perfluorooctanesulfonamide	1.87	U	22.9	26.11		ng/L		114	55 - 130	1	30
Perfluorobutanoic acid	13.6		22.9	39.34		ng/L		113	62 - 156	1	30
Perfluoroundecanoic acid	1.87	U	22.9	25.93		ng/L		113	62 - 138	1	30
Perfluorododecanoic acid	1.87	U	22.9	25.36		ng/L		111	63 - 140	3	30
6:2 Fluorotelomer sulfonic acid	4.67	U	21.7	21.55		ng/L		99	57 - 137	2	30
8:2 Fluorotelomer sulfonic acid	2.80	U	21.9	24.27		ng/L		111	56 - 140	4	30
Perfluoropentanoic acid	45.0		22.9	69.96		ng/L		109	72 - 139	1	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
M2-8:2 FTS	*119*		*34 - 182*
M2-6:2 FTS	*128*		*29 - 189*
13C5 PFHxA	*78*		*31 - 142*
13C4 PFHpA	*87*		*30 - 144*
13C8 PFOA	*79*		*49 - 127*
13C9 PFNA	*92*		*47 - 136*
13C6 PFDA	*88*		*47 - 128*
13C7 PFUnA	*98*		*40 - 135*
13C2-PFDoDA	*88*		*28 - 136*
13C2 PFTeDA	*74*		*10 - 144*
13C3 PFBS	*97*		*19 - 178*
13C3 PFHxS	*79*		*32 - 145*
13C8 PFOS	*85*		*49 - 126*
d3-NMeFOSAA	*74*		*32 - 151*
d5-NEtFOSAA	*113*		*37 - 164*
13C8 FOSA	*68*		*10 - 143*
13C4 PFBA	*87*		*41 - 132*
13C5 PFPeA	*99*		*33 - 155*

Qualifiers

LCMS

Qualifier	Qualifier Description
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

LCMS

Prep Batch: 150688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-239002-1	MW-1	Total/NA	Water	537 IDA	
460-239002-2	MW-3A	Total/NA	Water	537 IDA	
460-239002-3	MW-XX	Total/NA	Water	537 IDA	
460-239002-4	MW-6	Total/NA	Water	537 IDA	
460-239002-5	FB071621	Total/NA	Water	537 IDA	
MB 410-150688/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-150688/2-A	Lab Control Sample	Total/NA	Water	537 IDA	
460-239002-4 MS	MW-6	Total/NA	Water	537 IDA	
460-239002-4 MSD	MW-6	Total/NA	Water	537 IDA	

Analysis Batch: 151245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-239002-1	MW-1	Total/NA	Water	537 IDA	150688
460-239002-2	MW-3A	Total/NA	Water	537 IDA	150688
460-239002-3	MW-XX	Total/NA	Water	537 IDA	150688
460-239002-4	MW-6	Total/NA	Water	537 IDA	150688
460-239002-5	FB071621	Total/NA	Water	537 IDA	150688
460-239002-4 MS	MW-6	Total/NA	Water	537 IDA	150688
460-239002-4 MSD	MW-6	Total/NA	Water	537 IDA	150688

Analysis Batch: 151710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-150688/1-A	Method Blank	Total/NA	Water	537 IDA	150688
LCS 410-150688/2-A	Lab Control Sample	Total/NA	Water	537 IDA	150688

Lab Chronicle

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239002-1

Client Sample ID: MW-1
Date Collected: 07/16/21 10:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA			150688	07/20/21 17:11	K9VR	ELLE
Total/NA	Analysis	537 IDA		1	151245	07/22/21 04:53	OLN7	ELLE

Client Sample ID: MW-3A
Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA			150688	07/20/21 17:11	K9VR	ELLE
Total/NA	Analysis	537 IDA		1	151245	07/22/21 05:04	OLN7	ELLE

Client Sample ID: MW-XX
Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA			150688	07/20/21 17:11	K9VR	ELLE
Total/NA	Analysis	537 IDA		1	151245	07/22/21 05:15	OLN7	ELLE

Client Sample ID: MW-6
Date Collected: 07/16/21 09:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA			150688	07/20/21 17:11	K9VR	ELLE
Total/NA	Analysis	537 IDA		1	151245	07/22/21 05:26	OLN7	ELLE

Client Sample ID: FB071621
Date Collected: 07/16/21 13:40
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239002-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA			150688	07/20/21 17:11	K9VR	ELLE
Total/NA	Analysis	537 IDA		1	151245	07/22/21 05:59	OLN7	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239002-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	19-053-0	08-09-21
California	State	2792	02-02-22
Colorado	State	PA00009	07-30-21
Connecticut	State	PH-0746	07-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-30-22
Hawaii	State	N/A	01-31-22
Illinois	NELAP	004559	01-31-22
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	10-31-21
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-22
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-22
Michigan	State	9930	01-31-22
Minnesota	NELAP	042-999-487	12-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	01-01-22
Montana (UST)	State	0098	01-01-22
Nebraska	State	NE-OS-32-17	01-31-22
Nevada	State	PA000092019-3	07-31-21
New Hampshire	NELAP	273019	01-10-22
New Jersey	NELAP	PA011	06-30-22
New York	NELAP	10670	04-01-22
North Carolina (DW)	State	42705	07-31-21
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-21
Oregon	NELAP	PA200001-018	09-12-21
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-22
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-20-38	08-31-21
Utah	NELAP	PA000092019-16	03-01-22
Vermont	State	VT - 36037	10-29-21
Virginia	NELAP	10561	06-14-22
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	09-30-22
Wyoming	State	8TMS-L	01-31-22

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming (UST)	A2LA	1.01	11-30-22

Method PFC IDA

Fluorinated Hydrocarbons by Method PFAS IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	13C5PHA #	C3PFHS #	C4PFHA #	M262FTS #	C8PFOA #
MW-1	460-239002-1	76	152	150	68	68	79	130	73
MW-3A	460-239002-2	89	112	110	73	78	86	146	77
MW-XX	460-239002-3	95	115	124	82	85	92	170	87
MW-6	460-239002-4	89	104	100	83	78	91	135	83
FB071621	460-239002-5	89	95	86	83	81	92	123	83
	MB 410-150688/1-A	94	97	86	96	87	98	126	94
	LCS 410-150688/2-A	93	100	89	91	83	96	114	86
MW-6 MS	460-239002-4 MS	82	94	93	74	73	80	115	75
MW-6 MSD	460-239002-4 MSD	87	99	97	78	79	87	128	79

	QC LIMITS
PFBA = 13C4 PFBA	41-132
PFPeA = 13C5 PFPeA	33-155
C3PFBS = 13C3 PFBS	19-178
13C5PHA = 13C5 PFHxA	31-142
C3PFHS = 13C3 PFHxS	32-145
C4PFHA = 13C4 PFHpA	30-144
M262FTS = M2-6:2 FTS	29-189
C8PFOA = 13C8 PFOA	49-127

Column to be used to flag recovery values

FORM II 537 IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	C8PFOS #	C9PFNA #	C6PFDA #	M282FTS #	PFOSA #	d3NMFOS #	13C7PUA #	d5NEFOS #
MW-1	460-239002-1	74	88	78	107	52	65	76	81
MW-3A	460-239002-2	88	102	96	137	78	86	103	121
MW-XX	460-239002-3	93	103	97	143	77	86	113	131
MW-6	460-239002-4	86	92	95	119	71	77	102	115
FB071621	460-239002-5	92	101	98	131	55	80	98	105
	MB 410-150688/1-A	90	93	99	122	69	81	105	115
	LCS 410-150688/2-A	98	101	97	123	69	84	98	104
MW-6 MS	460-239002-4 MS	86	88	89	112	70	71	95	94
MW-6 MSD	460-239002-4 MSD	85	92	88	119	68	74	98	113

	QC LIMITS
C8PFOS = 13C8 PFOS	49-126
C9PFNA = 13C9 PFNA	47-136
C6PFDA = 13C6 PFDA	47-128
M282FTS = M2-8:2 FTS	34-182
PFOSA = 13C8 FOSA	10-143
d3NMFOS = d3-NMeFOSAA	32-151
13C7PUA = 13C7 PFUnA	40-135
d5NEFOS = d5-NEtFOSAA	37-164

Column to be used to flag recovery values

FORM II 537 IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFDoDA #	PFTDA #
MW-1	460-239002-1	58	50
MW-3A	460-239002-2	93	84
MW-XX	460-239002-3	92	83
MW-6	460-239002-4	90	75
FB071621	460-239002-5	87	79
	MB 410-150688/1-A	98	93
	LCS 410-150688/2-A	88	80
MW-6 MS	460-239002-4 MS	81	72
MW-6 MSD	460-239002-4 MSD	88	74

	QC LIMITS
PFDoDA = 13C2-PFDoDA	28-136
PFTDA = 13C2 PFTeDA	10-144

Column to be used to flag recovery values

FORM II 537 IDA

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21JUL22-45.d

Lab ID: LCS 410-150688/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorohexanoic acid	25.6	29.24	114	66-137	
Perfluoroheptanoic acid	25.6	27.12	106	66-141	
Perfluorooctanoic acid	25.6	30.35	119	65-136	
Perfluorononanoic acid	25.6	28.11	110	65-140	
Perfluorodecanoic acid	25.6	27.16	106	63-137	
Perfluorotridecanoic acid	25.6	27.87	109	58-146	
Perfluorotetradecanoic acid	25.6	29.02	113	64-141	
Perfluorobutanesulfonic acid	22.7	24.69	109	65-132	
Perfluorohexanesulfonic acid	23.3	25.94	111	60-128	
Perfluorooctanesulfonic acid	23.7	25.73	109	51-126	
NEtFOSAA	25.6	26.92	105	54-134	
NMeFOSAA	25.6	26.95	105	58-143	
M2-8:2 FTS	38.3	47.31	123	34-182	
M2-6:2 FTS	38.0	43.24	114	29-189	
Perfluoroheptanesulfonic acid	24.4	27.81	114	67-135	
Perfluorodecanesulfonic acid	24.7	23.54	95	61-134	
Perfluorooctanesulfonamide	25.6	29.93	117	55-130	
Perfluorobutanoic acid	25.6	26.97	105	62-156	
13C5 PFHxA	40.0	36.56	91	31-142	
13C4 PFHpA	40.0	38.42	96	30-144	
13C8 PFOA	40.0	34.48	86	49-127	
13C9 PFNA	40.0	40.56	101	47-136	
13C6 PFDA	40.0	38.70	97	47-128	
13C7 PFUnA	40.0	39.30	98	40-135	
13C2-PFDoDA	40.0	35.33	88	28-136	
13C2 PFTeDA	40.0	31.80	80	10-144	
13C3 PFBS	37.2	32.92	89	19-178	
13C3 PFHxS	37.8	31.24	83	32-145	
13C8 PFOS	38.2	37.57	98	49-126	
d3-NMeFOSAA	40.0	33.54	84	32-151	
d5-NEtFOSAA	40.0	41.62	104	37-164	
13C8 FOSA	40.0	27.41	69	10-143	
13C4 PFBA	40.0	37.20	93	41-132	
13C5 PFPeA	40.0	40.08	100	33-155	
Perfluoroundecanoic acid	25.6	30.15	118	62-138	
Perfluorododecanoic acid	25.6	26.92	105	63-140	
6:2 Fluorotelomer sulfonic acid	24.3	24.23	100	57-137	
8:2 Fluorotelomer sulfonic acid	24.5	26.03	106	56-140	
Perfluoropentanoic acid	25.6	25.99	102	72-139	

Column to be used to flag recovery and RPD values

FORM III 537 IDA

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21JUL21-28.d

Lab ID: 460-239002-4 MS Client ID: MW-6 MS

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
Perfluorohexanoic acid	22.9	38.6	65.95	119	66-137	
Perfluoroheptanoic acid	22.9	15.3	41.80	116	66-141	
Perfluorooctanoic acid	22.9	38.4	64.38	113	65-136	
Perfluorononanoic acid	22.9	8.79	34.62	113	65-140	
Perfluorodecanoic acid	22.9	1.47 J	25.85	106	63-137	
Perfluorotridecanoic acid	22.9	1.87 U	24.31	106	58-146	
Perfluorotetradecanoic acid	22.9	1.87 U	26.04	114	64-141	
Perfluorobutanesulfonic acid	20.3	5.96	28.36	110	65-132	
Perfluorohexanesulfonic acid	20.9	6.26	30.35	115	60-128	
Perfluorooctanesulfonic acid	21.2	25.6	45.69	95	51-126	
NEtFOSAA	22.9	2.80 U	24.43	107	54-134	
NMeFOSAA	22.9	1.87 U	25.92	113	58-143	
M2-8:2 FTS	34.3	42.7	38.54	112	34-182	
M2-6:2 FTS	34.0	48.0	39.19	115	29-189	
Perfluoroheptanesulfonic acid	21.8	1.87 U	25.52	117	67-135	
Perfluorodecanesulfonic acid	22.1	1.87 U	21.32	96	61-134	
Perfluorooctanesulfonamide	22.9	1.87 U	25.84	113	55-130	
Perfluorobutanoic acid	22.9	13.6	38.79	110	62-156	
13C5 PFHxA	35.8	31.2	26.67	74	31-142	
13C4 PFHpA	35.8	33.9	28.53	80	30-144	
13C8 PFOA	35.8	30.9	26.92	75	49-127	
13C9 PFNA	35.8	34.4	31.38	88	47-136	
13C6 PFDA	35.8	35.3	31.82	89	47-128	
13C7 PFUnA	35.8	38.0	34.17	95	40-135	
13C2-PFDoDA	35.8	33.6	28.85	81	28-136	
13C2 PFTeDA	35.8	28.0	25.68	72	10-144	
13C3 PFBS	33.3	34.9	31.13	93	19-178	
13C3 PFHxS	33.9	27.6	24.68	73	32-145	
13C8 PFOS	34.3	30.8	29.32	86	49-126	
d3-NMeFOSAA	35.8	28.9	25.46	71	32-151	
d5-NEtFOSAA	35.8	42.9	33.80	94	37-164	
13C8 FOSA	35.8	26.5	25.25	70	10-143	
13C4 PFBA	35.8	33.4	29.24	82	41-132	
13C5 PFPeA	35.8	38.9	33.56	94	33-155	
Perfluoroundecanoic acid	22.9	1.87 U	25.60	112	62-138	
Perfluorododecanoic acid	22.9	1.87 U	26.11	114	63-140	
6:2 Fluorotelomer sulfonic acid	21.7	4.67 U	21.21	98	57-137	
8:2 Fluorotelomer sulfonic acid	22.0	2.80 U	23.40	107	56-140	
Perfluoropentanoic acid	22.9	45.0	70.52	111	72-139	

Column to be used to flag recovery and RPD values

FORM III 537 IDA

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21JUL21-29.d

Lab ID: 460-239002-4 MSD Client ID: MW-6 MSD

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorohexanoic acid	22.9	64.99	115	1	30	66-137	
Perfluoroheptanoic acid	22.9	38.68	102	8	30	66-141	
Perfluorooctanoic acid	22.9	66.85	124	4	30	65-136	
Perfluorononanoic acid	22.9	35.64	117	3	30	65-140	
Perfluorodecanoic acid	22.9	27.81	115	7	30	63-137	
Perfluorotridecanoic acid	22.9	23.81	104	2	30	58-146	
Perfluorotetradecanoic acid	22.9	26.03	114	0	30	64-141	
Perfluorobutanesulfonic acid	20.2	28.46	111	0	30	65-132	
Perfluorohexanesulfonic acid	20.9	29.22	110	4	30	60-128	
Perfluorooctanesulfonic acid	21.2	51.08	121	11	30	51-126	
NEtFOSAA	22.9	21.23	93	14	30	54-134	
NMeFOSAA	22.9	25.27	110	3	30	58-143	
M2-8:2 FTS	34.2	40.78	119			34-182	
M2-6:2 FTS	34.0	43.57	128			29-189	
Perfluoroheptanesulfonic acid	21.8	26.55	122	4	30	67-135	
Perfluorodecanesulfonic acid	22.1	23.33	106	9	30	61-134	
Perfluorooctanesulfonamide	22.9	26.11	114	1	30	55-130	
Perfluorobutanoic acid	22.9	39.34	113	1	30	62-156	
13C5 PFHxA	35.7	27.95	78			31-142	
13C4 PFHpA	35.7	31.11	87			30-144	
13C8 PFOA	35.7	28.38	79			49-127	
13C9 PFNA	35.7	32.84	92			47-136	
13C6 PFDA	35.7	31.49	88			47-128	
13C7 PFUnA	35.7	34.86	98			40-135	
13C2-PFDoDA	35.7	31.27	88			28-136	
13C2 PFTeDA	35.7	26.34	74			10-144	
13C3 PFBS	33.2	32.33	97			19-178	
13C3 PFHxS	33.8	26.59	79			32-145	
13C8 PFOS	34.2	29.03	85			49-126	
d3-NMeFOSAA	35.7	26.59	74			32-151	
d5-NEtFOSAA	35.7	40.45	113			37-164	
13C8 FOSA	35.7	24.26	68			10-143	
13C4 PFBA	35.7	31.25	87			41-132	
13C5 PFPeA	35.7	35.23	99			33-155	
Perfluoroundecanoic acid	22.9	25.93	113	1	30	62-138	
Perfluorododecanoic acid	22.9	25.36	111	3	30	63-140	
6:2 Fluorotelomer sulfonic acid	21.7	21.55	99	2	30	57-137	
8:2 Fluorotelomer sulfonic acid	21.9	24.27	111	4	30	56-140	
Perfluoropentanoic acid	22.9	69.96	109	1	30	72-139	

Column to be used to flag recovery and RPD values

FORM III 537 IDA

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 460-239002-1

SDG No.:

Lab File ID: 21JUL22-44.d Lab Sample ID: MB 410-150688/1-A

Matrix: Water Date Extracted: 07/20/2021 17:11

Instrument ID: 30733 Date Analyzed: 07/23/2021 01:58

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-1	460-239002-1	21JUL21-24.d	07/22/2021 04:53
MW-3A	460-239002-2	21JUL21-25.d	07/22/2021 05:04
MW-XX	460-239002-3	21JUL21-26.d	07/22/2021 05:15
MW-6	460-239002-4	21JUL21-27.d	07/22/2021 05:26
MW-6 MS	460-239002-4 MS	21JUL21-28.d	07/22/2021 05:37
MW-6 MSD	460-239002-4 MSD	21JUL21-29.d	07/22/2021 05:48
FB071621	460-239002-5	21JUL21-30.d	07/22/2021 05:59
	LCS 410-150688/2-A	21JUL22-45.d	07/23/2021 02:10

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Calibration Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/21/2021 23:54

Calibration ID: 28901

		13C3PFBA		13PFOA		PFOS	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		3598213	3.94	3795145	5.66	2924954	5.98
UPPER LIMIT		5397320	4.34	5692718	6.06	4387431	6.38
LOWER LIMIT		1799107	3.54	1897573	5.26	1462477	5.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-151148/8		4230882	3.93	4353470	5.65	3541875	5.97
ICV 410-151148/9		3180442	3.92	3255795	5.65	2568844	5.97
CCV 410-151245/23		3485230	3.93	3708058	5.66	2920635	5.97
460-239002-1	MW-1	1849592	3.93	4580251	5.65	3155245	5.97
460-239002-2	MW-3A	2657633	3.93	4484930	5.65	2905870	5.97
460-239002-3	MW-XX	2483353	3.93	4034272	5.65	2817535	5.97
460-239002-4	MW-6	3074195	3.93	4295210	5.65	3139726	5.98
460-239002-4 MS	MW-6 MS	3041747	3.93	4169216	5.65	2935537	5.97
460-239002-4 MSD	MW-6 MSD	3071479	3.93	4246079	5.64	2948584	5.97
460-239002-5	FB071621	4209175	3.92	4939893	5.65	3281510	5.96
CCV 410-151245/31		3602628	3.94	4017318	5.67	2887397	5.98
CCV 410-151710/115		3478844	3.93	3742606	5.65	2803563	5.97
MB 410-150688/1-A		4164359	3.95	4284883	5.67	3307951	5.98
LCS 410-150688/2-A		3929606	3.94	4301047	5.65	3005493	5.97
CCV 410-151710/130		3497556	3.95	3602084	5.67	2794085	5.99

13C3PFBA = 13C3-PFBA
13PFOA = 13C2 PFOA
PFOS = 13C4 PFOS

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 537 IDA

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Calibration Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 07/21/2021 23:54

Calibration ID: 28901

		PFDA					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		5287747	6.30				
UPPER LIMIT		7931621	6.70				
LOWER LIMIT		2643874	5.90				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-151148/8		5938974	6.29				
ICV 410-151148/9		4701021	6.30				
CCV 410-151245/23		5152158	6.30				
460-239002-1	MW-1	6337015	6.30				
460-239002-2	MW-3A	5809190	6.29				
460-239002-3	MW-XX	6024130	6.30				
460-239002-4	MW-6	6015421	6.30				
460-239002-4 MS	MW-6 MS	5670061	6.30				
460-239002-4 MSD	MW-6 MSD	5902103	6.29				
460-239002-5	FB071621	6668643	6.28				
CCV 410-151245/31		5342815	6.30				
CCV 410-151710/115		5085733	6.30				
MB 410-150688/1-A		6123918	6.30				
LCS 410-150688/2-A		6141133	6.29				
CCV 410-151710/130		5423130	6.31				

PFDA = 13C2 PFDA

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 537 IDA

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-239002-1

Matrix: Water Lab File ID: 21JUL21-24.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 10:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 247(mL) Date Analyzed: 07/22/2021 04:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	21.7		2.02	0.51
375-85-9	Perfluoroheptanoic acid	12.3		2.02	0.51
335-67-1	Perfluorooctanoic acid	43.1		2.02	0.51
375-95-1	Perfluorononanoic acid	6.50		2.02	0.51
335-76-2	Perfluorodecanoic acid	5.57		2.02	0.51
72629-94-8	Perfluorotridecanoic acid	2.02	U	2.02	0.51
376-06-7	Perfluorotetradecanoic acid	0.66	J	2.02	0.51
375-73-5	Perfluorobutanesulfonic acid	18.9		2.02	0.51
355-46-4	Perfluorohexanesulfonic acid	6.22		2.02	0.51
1763-23-1	Perfluorooctanesulfonic acid	67.2	B	2.02	0.51
2991-50-6	NEtFOSAA	3.04	U	3.04	0.51
2355-31-9	NMeFOSAA	2.02	U	2.02	0.61
375-92-8	Perfluoroheptanesulfonic acid	1.0	J	2.02	0.51
335-77-3	Perfluorodecanesulfonic acid	2.02	U	2.02	0.51
754-91-6	Perfluorooctanesulfonamide	2.02	U	2.02	0.51
375-22-4	Perfluorobutanoic acid	89.6		5.06	2.02
2058-94-8	Perfluoroundecanoic acid	2.02	U	2.02	0.51
307-55-1	Perfluorododecanoic acid	0.64	J	2.02	0.51
27619-97-2	6:2 Fluorotelomer sulfonic acid	2.26	J	5.06	2.02
39108-34-4	8:2 Fluorotelomer sulfonic acid	3.04	U	3.04	1.01
2706-90-3	Perfluoropentanoic acid	24.0		2.02	0.51

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-239002-1

Matrix: Water Lab File ID: 21JUL21-24.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 10:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 247(mL) Date Analyzed: 07/22/2021 04:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	107		34-182
STL02279	M2-6:2 FTS	130		29-189
STL02577	13C5 PFHxA	68		31-142
STL01892	13C4 PFHpA	79		30-144
STL01052	13C8 PFOA	73		49-127
STL02578	13C9 PFNA	88		47-136
STL02579	13C6 PFDA	78		47-128
STL02580	13C7 PFUnA	76		40-135
STL02703	13C2-PFDoDA	58		28-136
STL02116	13C2 PFTeDA	50		10-144
STL02337	13C3 PFBS	150		19-178
STL02581	13C3 PFHxS	68		32-145
STL01054	13C8 PFOS	74		49-126
STL02118	d3-NMeFOSAA	65		32-151
STL02117	d5-NEtFOSAA	81		37-164
STL01056	13C8 FOSA	52		10-143
STL00992	13C4 PFBA	76		41-132
STL01893	13C5 PFPeA	152		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d
Lims ID: 460-239002-A-1-A
Client ID: MW-1
Sample Type: Client
Inject. Date: 22-Jul-2021 04:53:21 ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-1-A
Misc. Info.: Plate: 1 Rack: 1 410-0034909-024
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 16:58:54 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 16:43:26
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.932	3.924	0.008	1.000	3170093	7.63		76.3	82672	
2 Perfluorobutanoic acid										M
213.00 > 169.00	3.974	3.924	0.050	1.011	6046988	22.1			216	M
* 4 13C3-PFBA										
216.00 > 172.00	3.932	3.924	0.008		1849592	5.00			2620	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.470	4.452	0.018	1.000	3279573	5.93			698	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.470	4.461	0.010	1.137	5859361	15.2		152	75360	
10 Perfluorobutanesulfonic acid										M
299.00 > 80.00	4.516	4.506	0.010	0.998	2321864	4.67	Target=3.13		903	M
299.00 > 99.00	4.516	4.506	0.010	0.998	728978		3.19(1.57-4.70)		1990	M
D 11 13C3 PFBS										
302.00 > 80.00	4.526	4.515	0.011	1.151	4497750	13.9		150	9842	
17 Perfluorohexanoic acid										M
313.00 > 269.00	4.890	4.871	0.019	1.000	3096153	5.36	Target=14.88		1025	M
313.00 > 119.00	4.881	4.871	0.010	0.998	190941		16.22(7.44-22.32)		2118	
D 19 13C5 PFHxA										
318.00 > 273.00	4.890	4.881	0.009	0.866	7648311	6.80		68.0	95000	
D 25 13C3 PFHxS										
402.00 > 80.00	5.285	5.274	0.011	0.936	5098672	6.43		68.0	25988	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.274	0.011	0.936	9057174	7.86		78.6	149470	
23 Perfluoroheptanoic acid										M
363.00 > 319.00	5.285	5.274	0.011	1.000	2841241	3.04	Target=3.85		1550	M
363.00 > 169.00	5.274	5.274	0.0	0.998	721224		3.94(1.93-5.78)		10096	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 Perfluorohexanesulfonic acid										M
399.00 > 80.00	5.285	5.274	0.011	1.000	812669	1.54	Target=3.51		11616	M
399.00 > 99.00	5.285	5.274	0.011	1.000	234793		3.46(1.75-5.26)		95632	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.640	5.621	0.019	0.998	377231	12.4		130	5900	
34 6:2 FTS										
427.00 > 407.00	5.630	5.621	0.009	0.998	104333	0.5579	Target=1.43		4066	
427.00 > 81.00	5.630	5.621	0.009	0.998	74888		1.39(0.72-2.15)		394	
36 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	5.640	5.630	0.010	1.067	118288	0.2460	Target=3.86		219	M
449.00 > 99.00	5.640	5.630	0.010	1.067	33116		3.57(1.93-5.79)		770	M
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.640	0.009	1.000	9140341	7.31		73.1	193066	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.640	0.009		4580251	5.00			151329	
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.659	5.649	0.010	1.002	7272495	10.6	Target=2.48		67576	M
413.00 > 169.00	5.649	5.649	0.0	1.000	2926847		2.48(1.24-3.72)		123077	M
D 41 13C8 PFOS										
507.00 > 80.00	5.972	5.963	0.009	1.000	4814916	7.06		73.9	18840	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.980	5.963	0.017	1.001	9142934	16.6	Target=4.45		743985	
499.00 > 99.00	5.972	5.963	0.009	1.000	1802135		5.07(2.23-6.68)		708420	
* 42 13C4 PFOS										
503.00 > 80.00	5.972	5.963	0.009		3155245	4.78			11947	
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.981	0.008	1.003	8335849	8.81		88.1	183246	
44 Perfluorononanoic acid										
463.00 > 419.00	5.989	5.981	0.008	1.000	1152108	1.61	Target=4.83		2251	
463.00 > 169.00	5.989	5.981	0.008	1.000	222584		5.18(2.42-7.25)		4472	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.298	6.280	0.018	1.000	1127430	1.38	Target=10.20		3376	
513.00 > 169.00	6.298	6.280	0.018	1.000	108764		10.37(5.10-15.29)		3302	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.289	0.009	1.000	9384970	7.79		77.9	372382	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.306	6.289	0.017	1.001	211872	10.3		107	9919	
56 8:2 FTS										
527.00 > 507.00		6.289				ND				
527.00 > 81.00		6.289								
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.289	0.009		6337015	5.00			301751	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.375	0.022	1.016	6214365	5.22		52.2	121036	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.397	6.375	0.022	1.000	64154	0.1043			653	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.449	6.429	0.021	1.024	1428231	6.53		65.3	61378	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
60 NMeFOSAA										
570.00 > 419.00	6.449	6.439	0.010	1.000	11566	0.0907	Target=1.62		2283	
570.00 > 483.00	6.449	6.439	0.010	1.000	6877		1.68(0.81-2.44)		16.0	
62 Perfluorodecanesulfonic acid										R
599.00 > 80.00	6.418	6.521	-0.103	1.075	36979	0.0652	Target=4.24		195	R
599.00 > 99.00	6.407	6.521	-0.114	1.073	2407		15.36(2.12-6.36)		66.6	
63 Perfluoroundecanoic acid										M
563.00 > 519.00	6.568	6.544	0.024	1.000	75050	0.1039	Target=8.77		245	M
563.00 > 169.00	6.556	6.544	0.012	0.998	6363		11.79(4.39-13.16)		173	M
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.556	0.012	1.043	8744324	7.62		76.2	247951	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.591	6.567	0.024	1.047	1362653	8.08		80.8	24561	
67 NEtFOSAA										R
584.00 > 419.00	6.591	6.579	0.012	1.000	9165	0.0704	Target=1.47		2570	R
584.00 > 526.00	6.602	6.579	0.023	1.002	2995		3.06(0.74-2.21)		541	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.784	0.024	1.081	5127679	5.83		58.3	214711	
73 Perfluorododecanoic acid										M
613.00 > 569.00	6.808	6.784	0.024	1.000	81091	0.1577	Target=5.09		799	
613.00 > 169.00	6.796	6.784	0.012	0.998	16635		4.87(2.54-7.63)		650	M
85 Perfluorotridecanoic acid										M
663.00 > 619.00		6.993				0				
663.00 > 169.00		6.993								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.200	7.172	0.028	1.143	4607220	4.95		49.5	181800	
86 Perfluorotetradecanoic acid										M
713.00 > 669.00	7.191	7.172	0.019	0.999	63240	0.1628	Target=5.25		322	M
713.00 > 169.00	7.191	7.172	0.019	0.999	11009		5.74(2.62-7.87)		540	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- R - Failed Signal Ratio Test

Review Flags
- M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 16:59:03 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d

Injection Date: 22-Jul-2021 04:53:21 Instrument ID: 30733

Lims ID: 460-239002-A-1-A Lab Sample ID: 410-239002-1

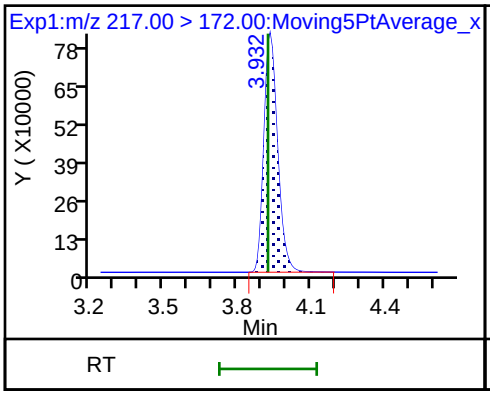
Client ID: MW-1

Operator ID: US19_USR_INS20260 ALS Bottle#: 21 Worklist Smp#: 24

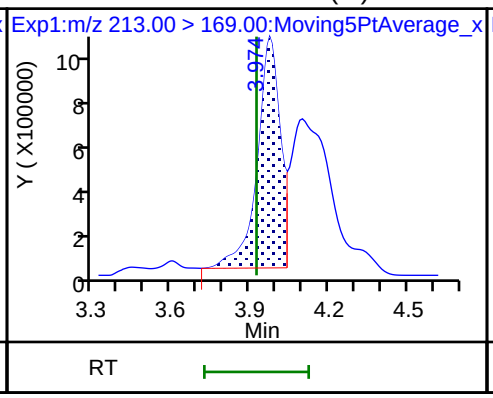
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

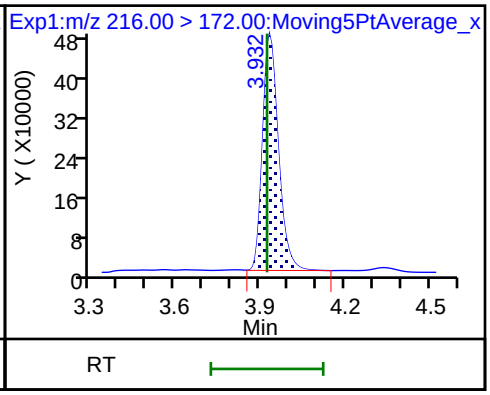
D 3 13C4 PFBA



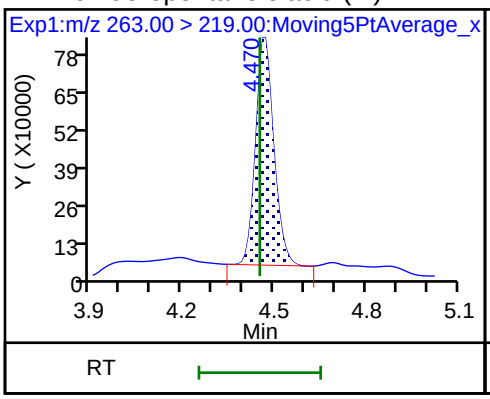
2 Perfluorobutanoic acid (M)



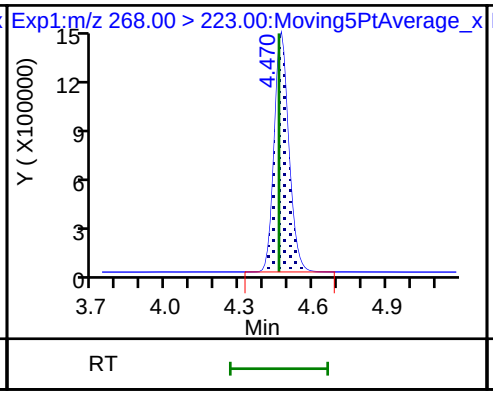
* 4 13C3-PFBA



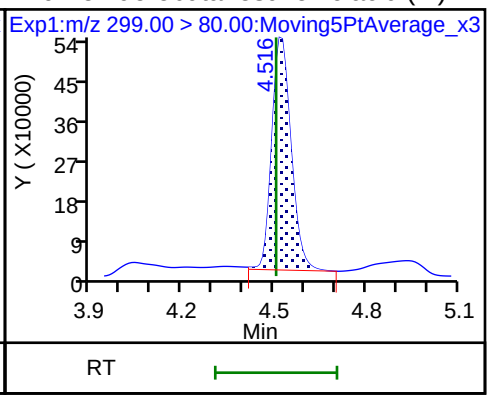
7 Perfluoropentanoic acid (M)



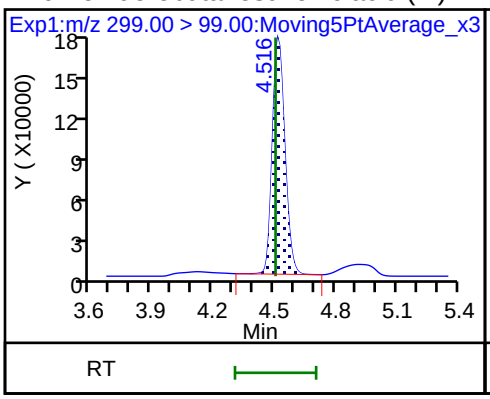
D 8 13C5 PFPeA



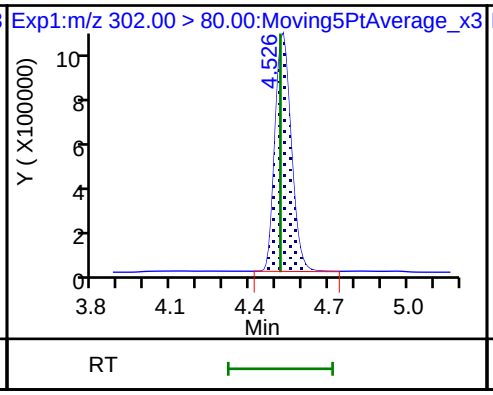
10 Perfluorobutanesulfonic acid (M)



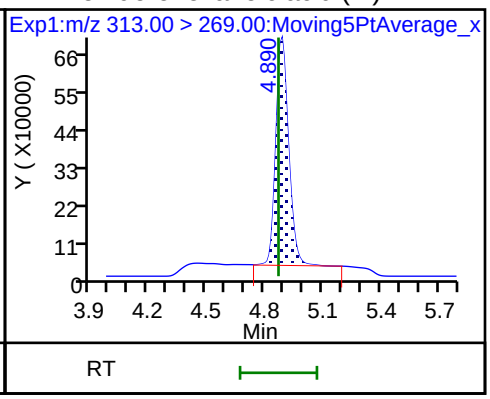
10 Perfluorobutanesulfonic acid (M)



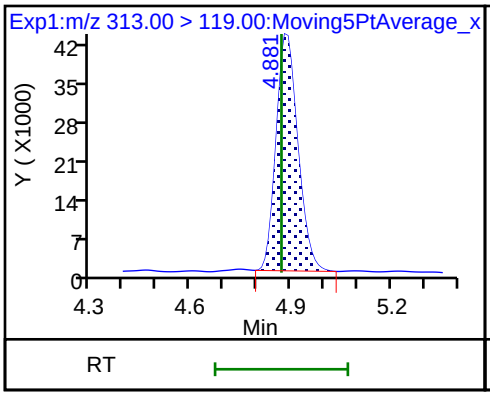
D 11 13C3 PFBS



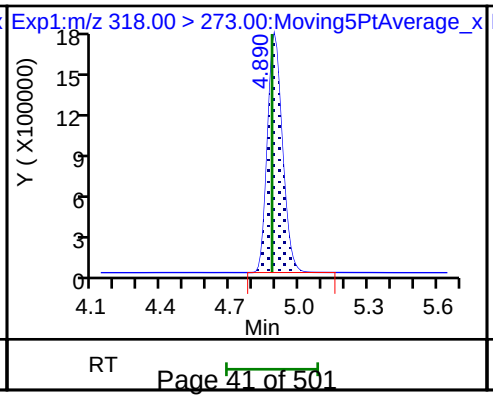
17 Perfluorohexanoic acid (M)



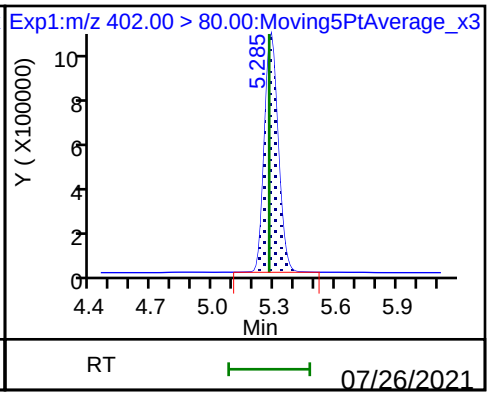
17 Perfluorohexanoic acid



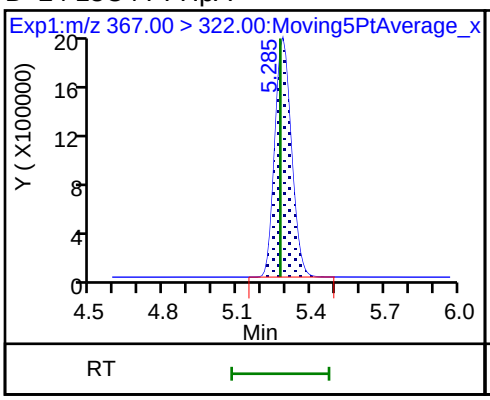
D 19 13C5 PFHxA



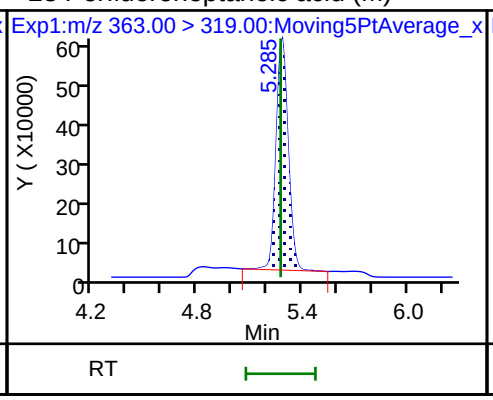
D 25 13C3 PFHxS



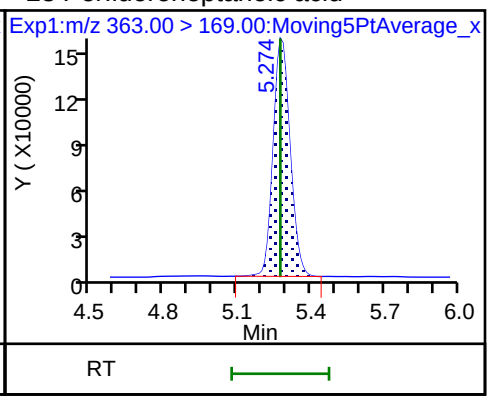
D 24 13C4 PFHpA



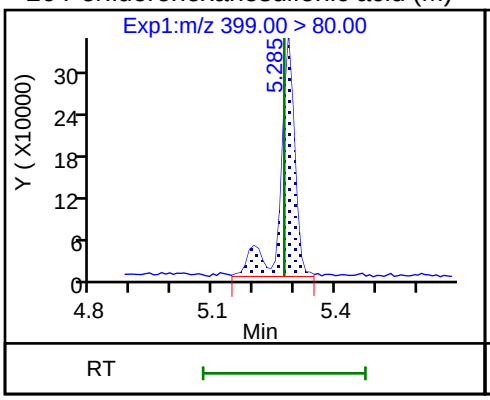
23 Perfluoroheptanoic acid (M)



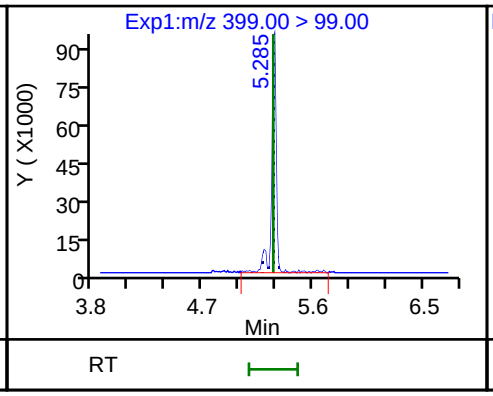
23 Perfluoroheptanoic acid



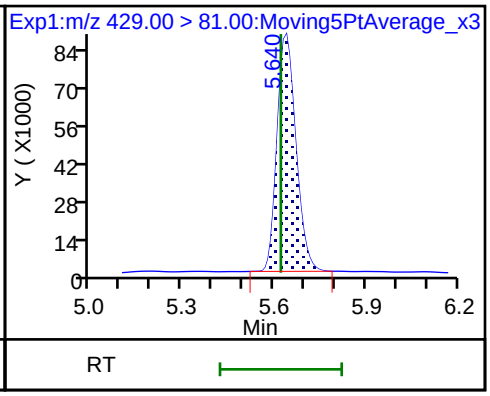
26 Perfluorohexanesulfonic acid (M)



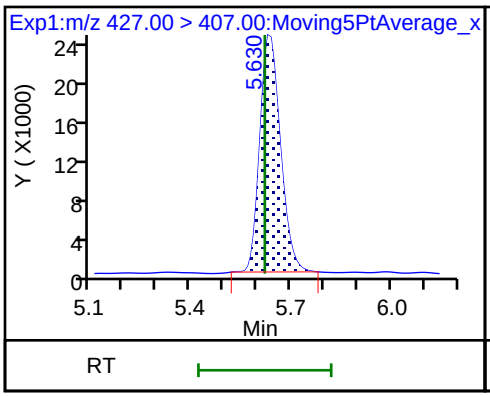
26 Perfluorohexanesulfonic acid



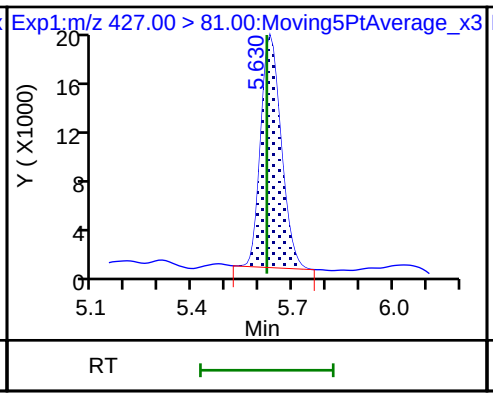
D 35 M2-6:2 FTS



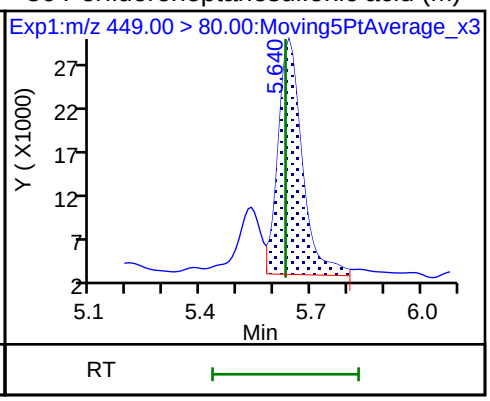
34 6:2 FTS



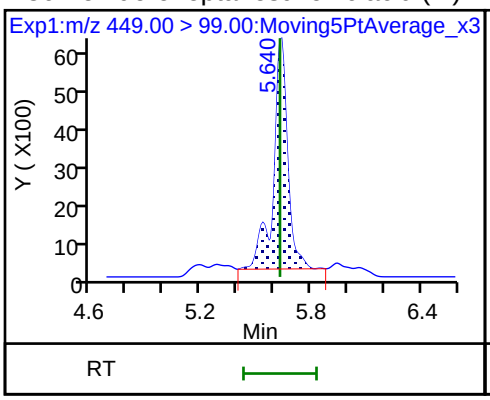
34 6:2 FTS



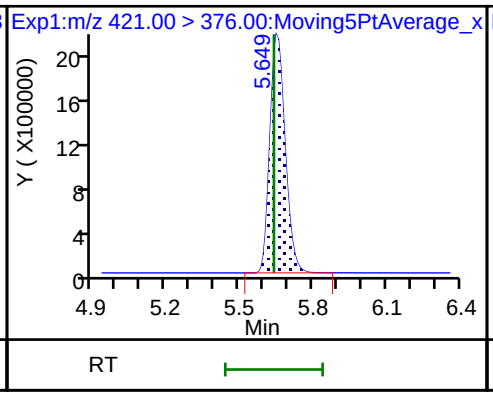
36 Perfluoroheptanesulfonic acid (M)



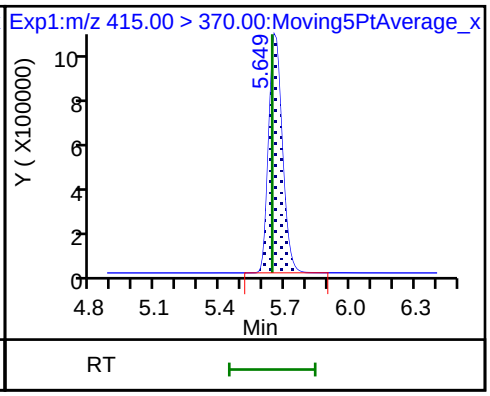
36 Perfluoroheptanesulfonic acid (M)



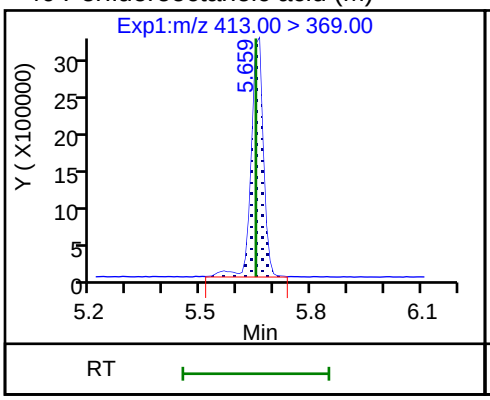
D 37 13C8 PFOA



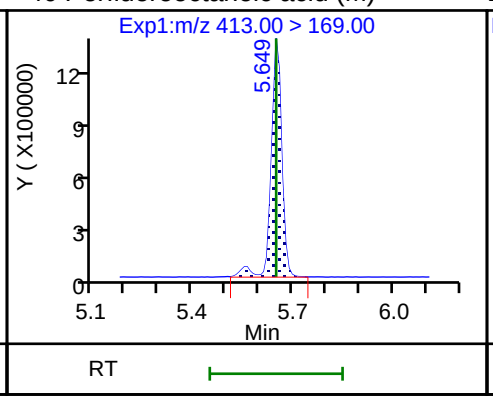
* 38 13C2 PFOA



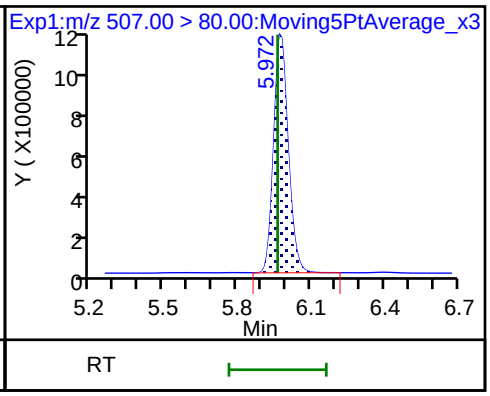
40 Perfluorooctanoic acid (M)



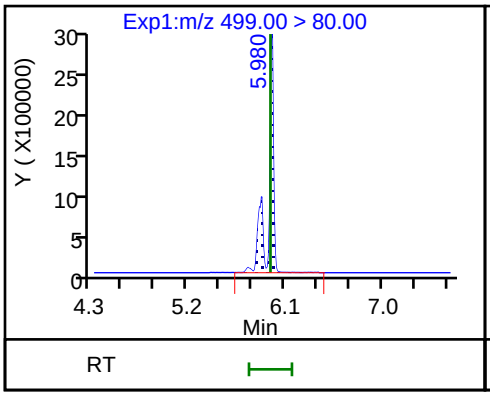
40 Perfluorooctanoic acid (M)



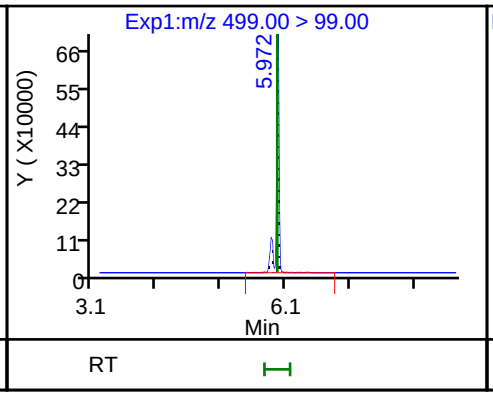
D 41 13C8 PFOS



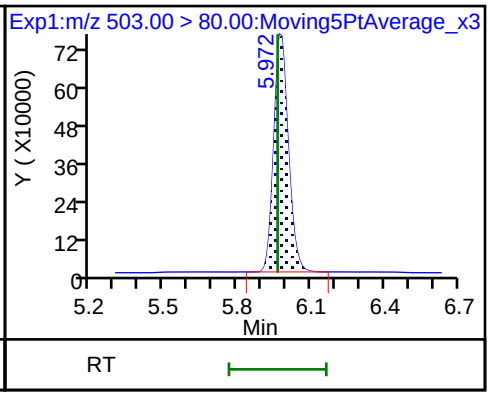
43 Perfluorooctanesulfonic acid



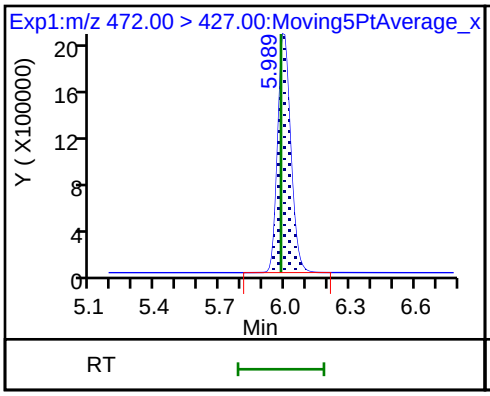
43 Perfluorooctanesulfonic acid



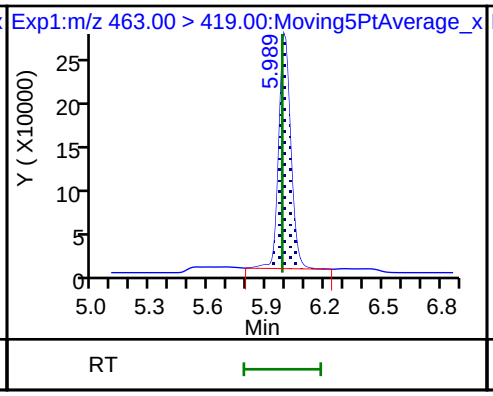
* 42 13C4 PFOS



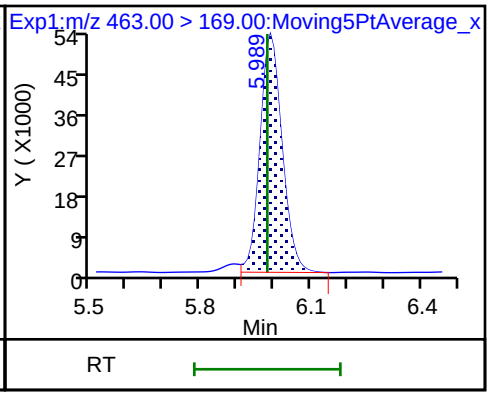
D 45 13C9 PFNA



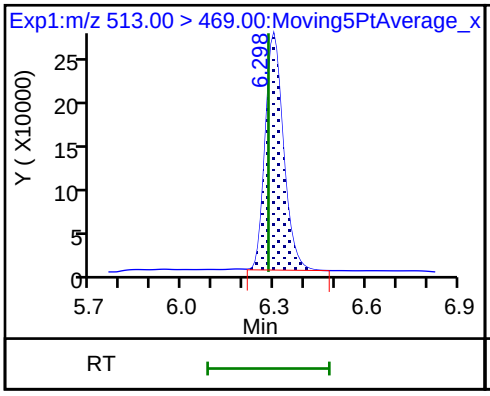
44 Perfluorononanoic acid



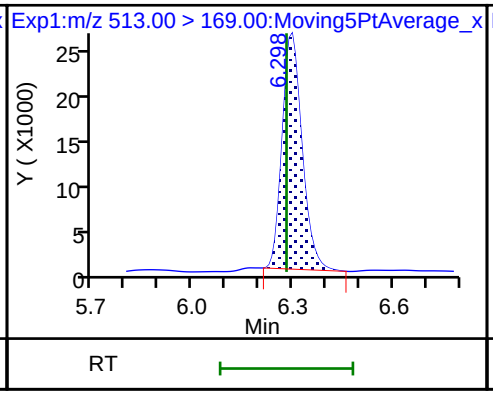
44 Perfluorononanoic acid



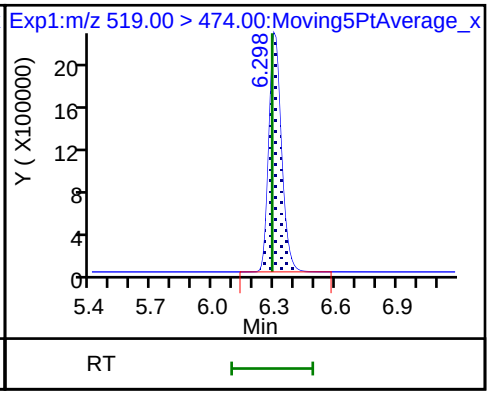
53 Perfluorodecanoic acid



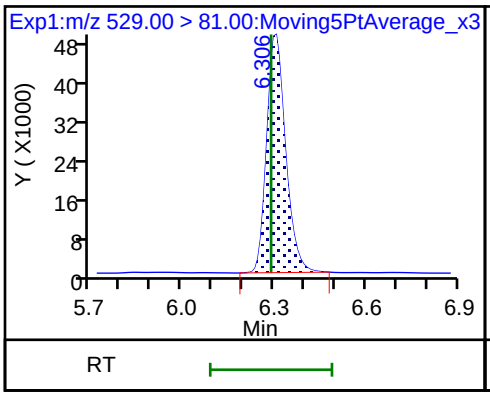
53 Perfluorodecanoic acid



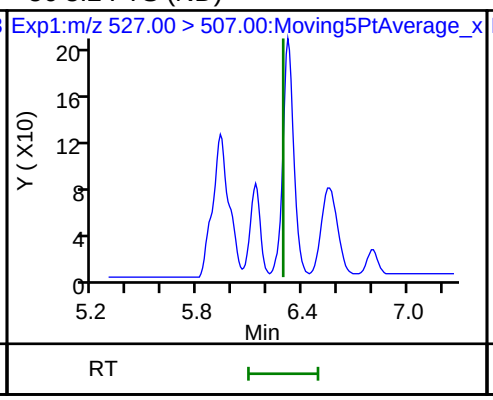
D 54 13C6 PFDA



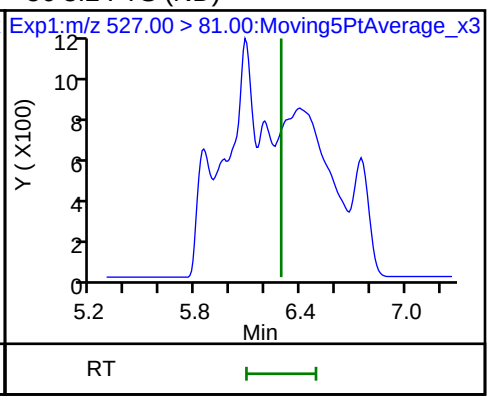
D 57 M2-8:2 FTS



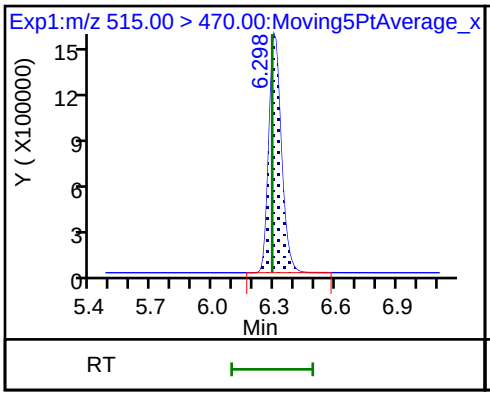
56 8:2 FTS (ND)



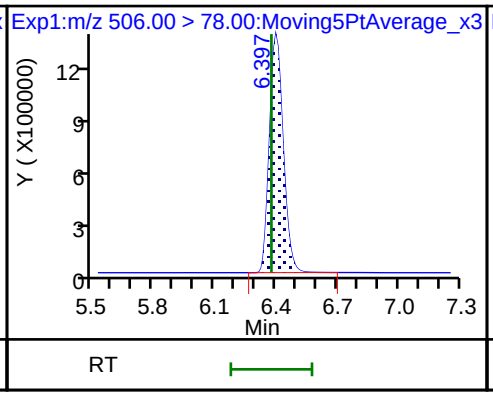
56 8:2 FTS (ND)



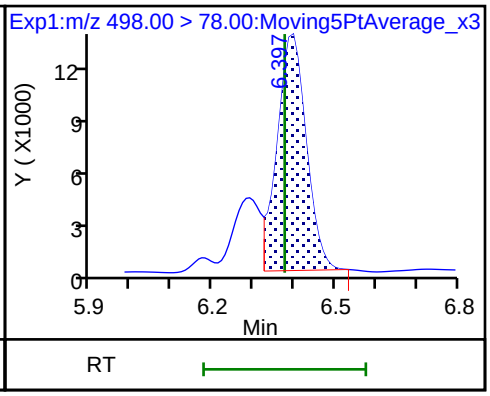
* 55 13C2 PFDA



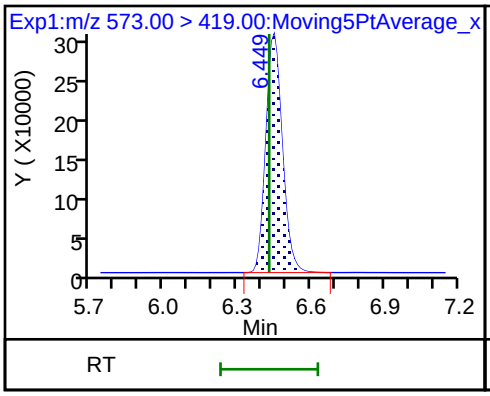
D 59 13C8 FOSA



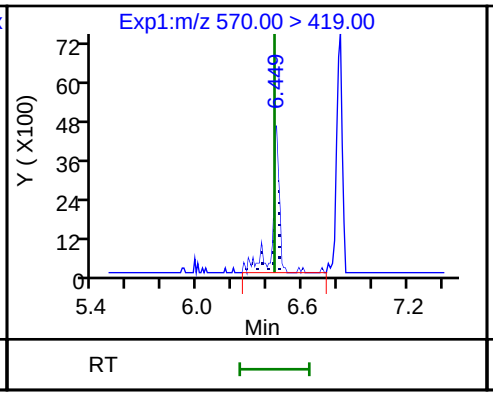
58 Perfluorooctanesulfonamide



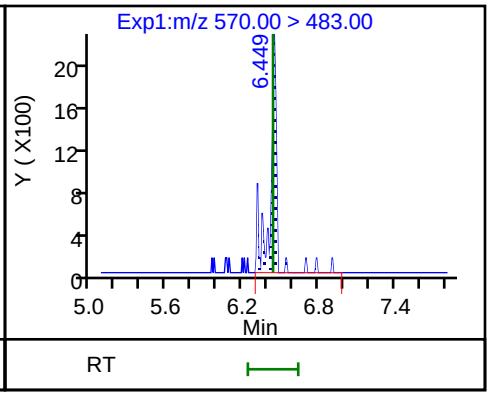
D 61 d3-NMeFOSAA



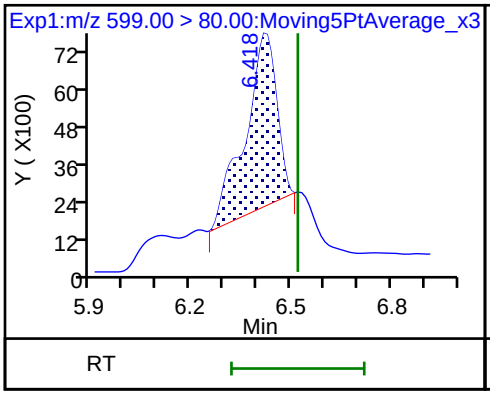
60 NMeFOSAA



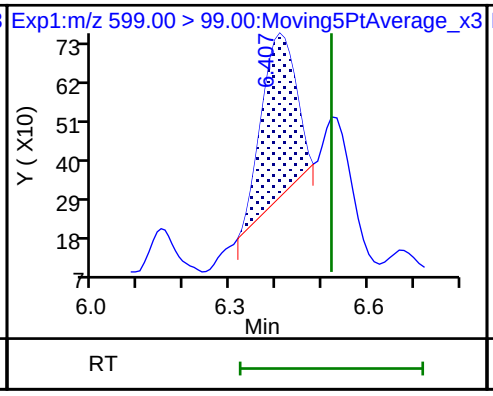
60 NMeFOSAA



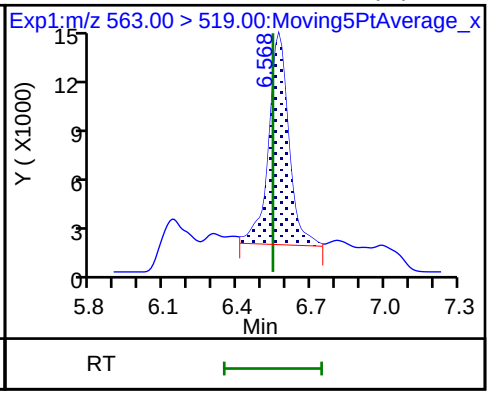
62 Perfluorodecanesulfonic acid



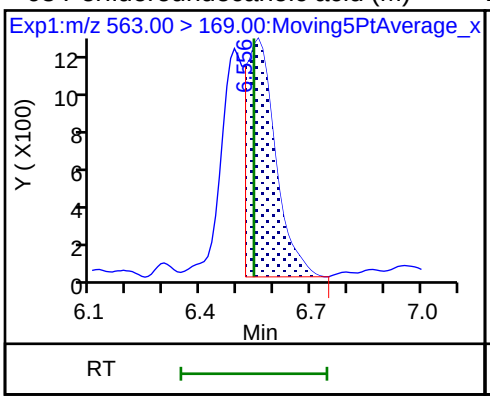
62 Perfluorodecanesulfonic acid



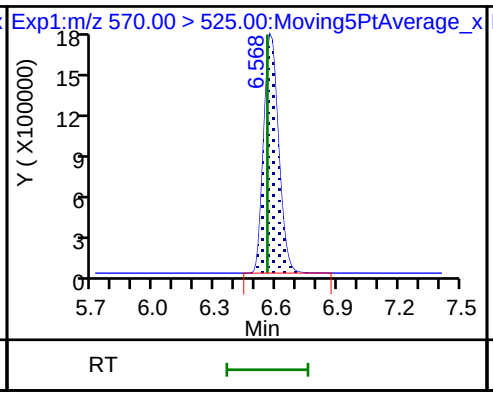
63 Perfluoroundecanoic acid (M)



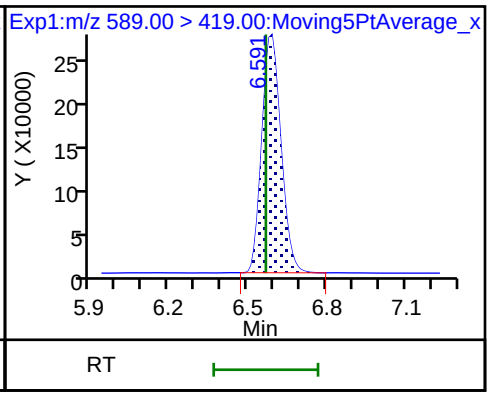
63 Perfluoroundecanoic acid (M)



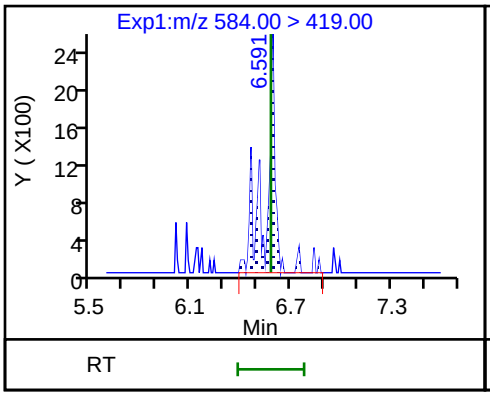
D 65 13C7 PFUnA



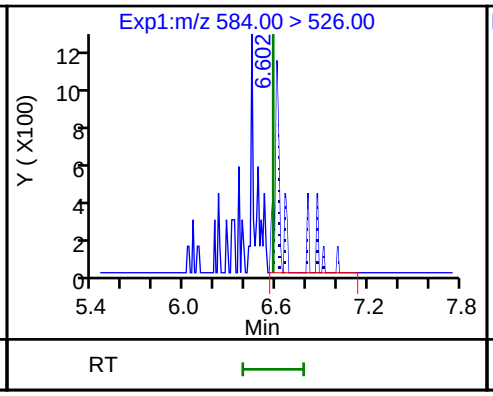
D 66 d5-NEtFOSAA



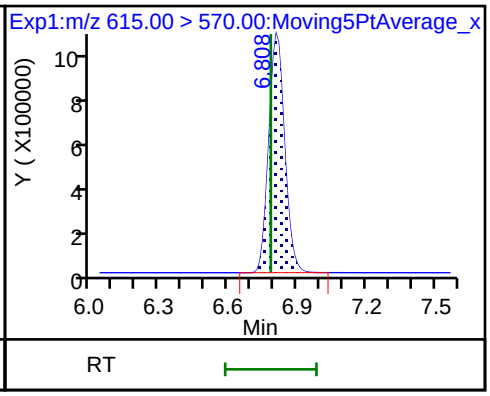
67 NEtFOSAA



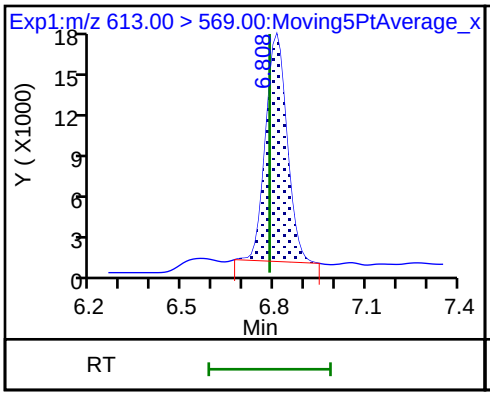
67 NEtFOSAA



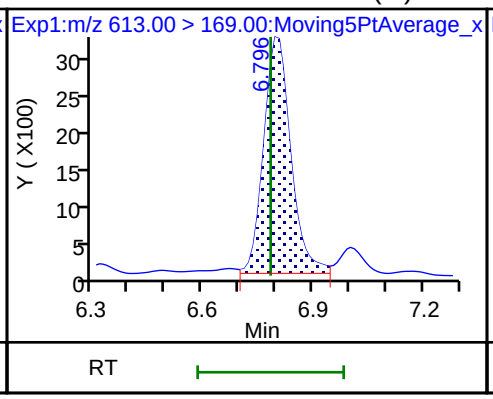
D 74 13C2-PFDoDA



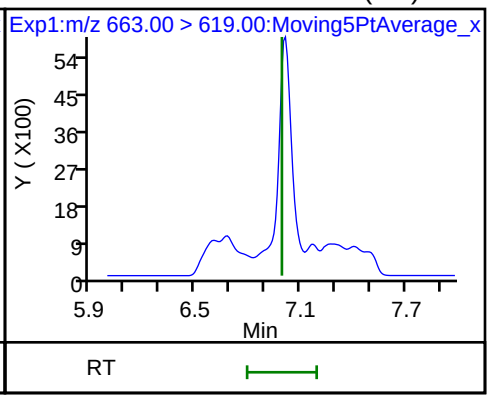
73 Perfluorododecanoic acid



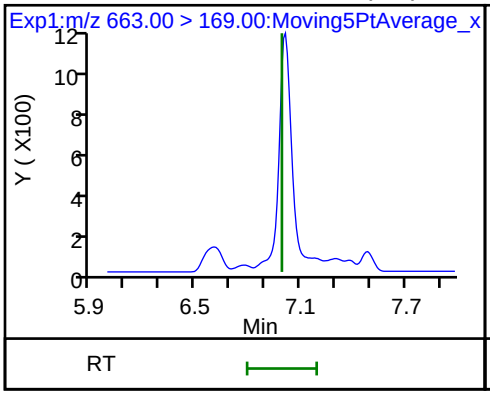
73 Perfluorododecanoic acid (M)



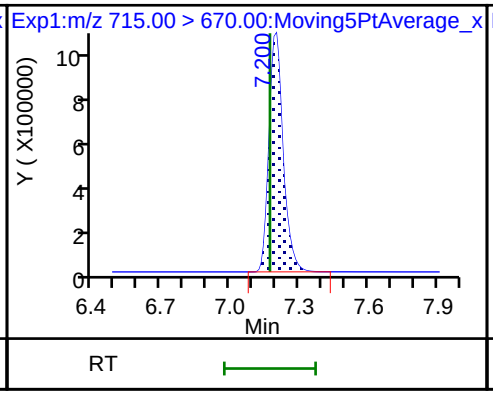
85 Perfluorotridecanoic acid (ND)



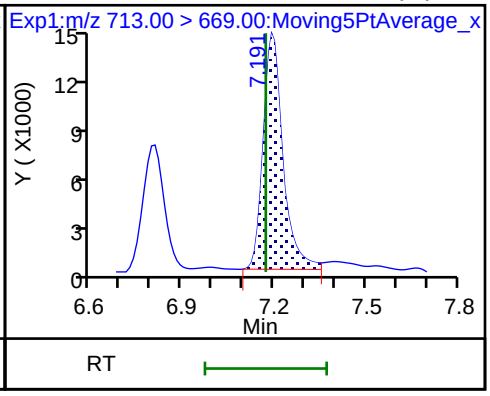
85 Perfluorotridecanoic acid (ND)



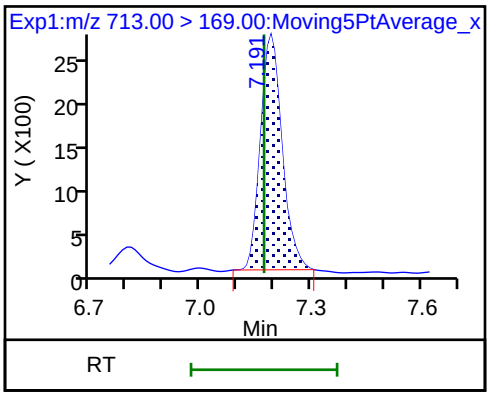
D 87 13C2 PFTeDA



86 Perfluorotetradecanoic acid (M)



86 Perfluorotetradecanoic acid



Eurofins Lancaster Laboratories Env, LLC

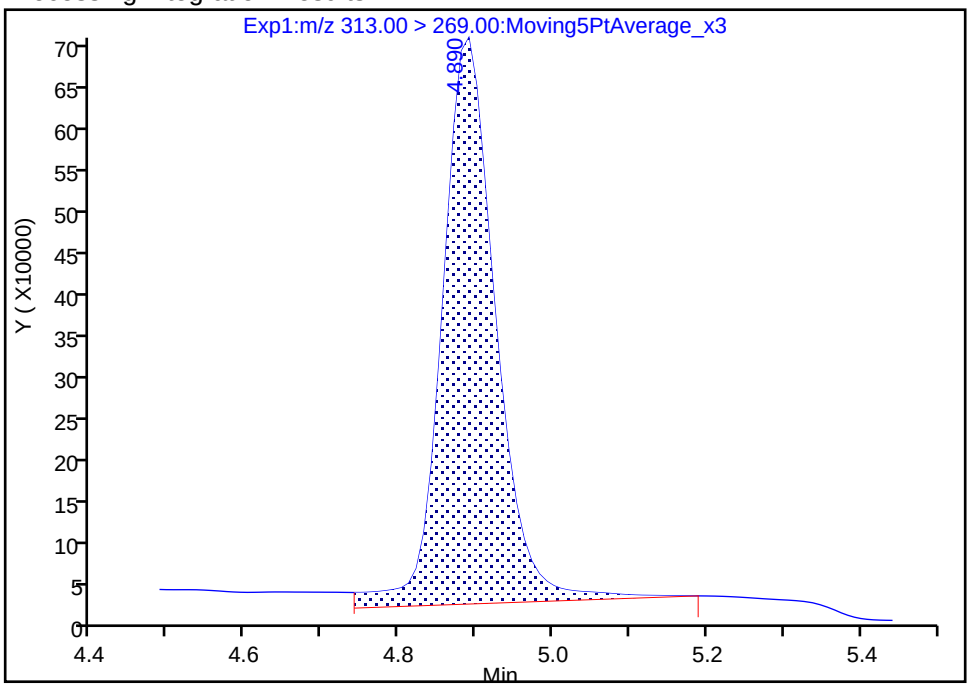
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

17 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

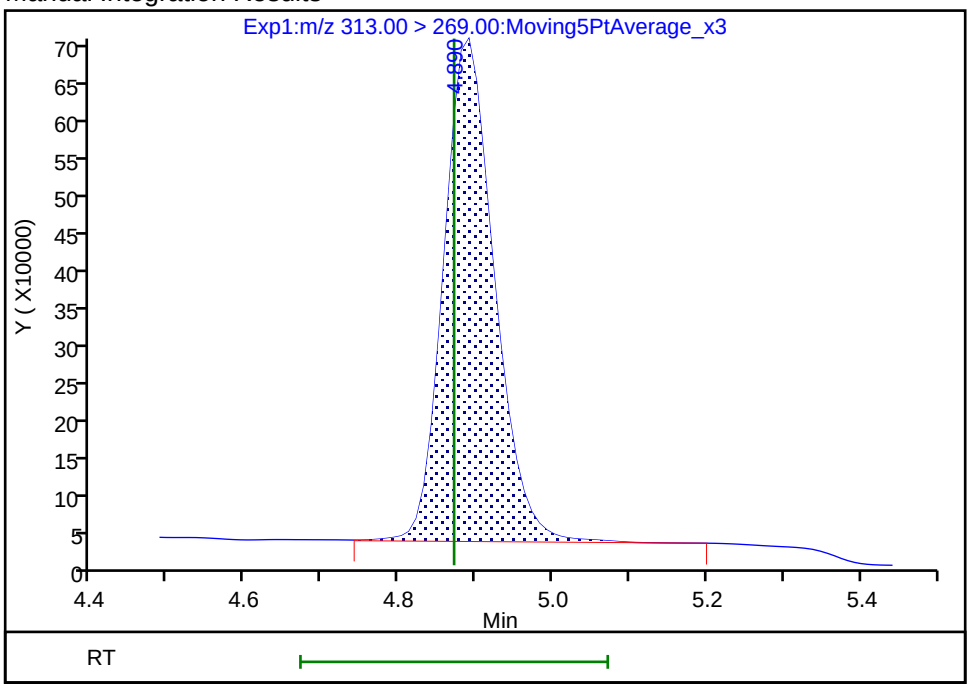
Processing Integration Results

RT: 4.89
Area: 3339031
Amount: 5.784125
Amount Units: ng/ml



Manual Integration Results

RT: 4.89
Area: 3096153
Amount: 5.363393
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:37:08
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

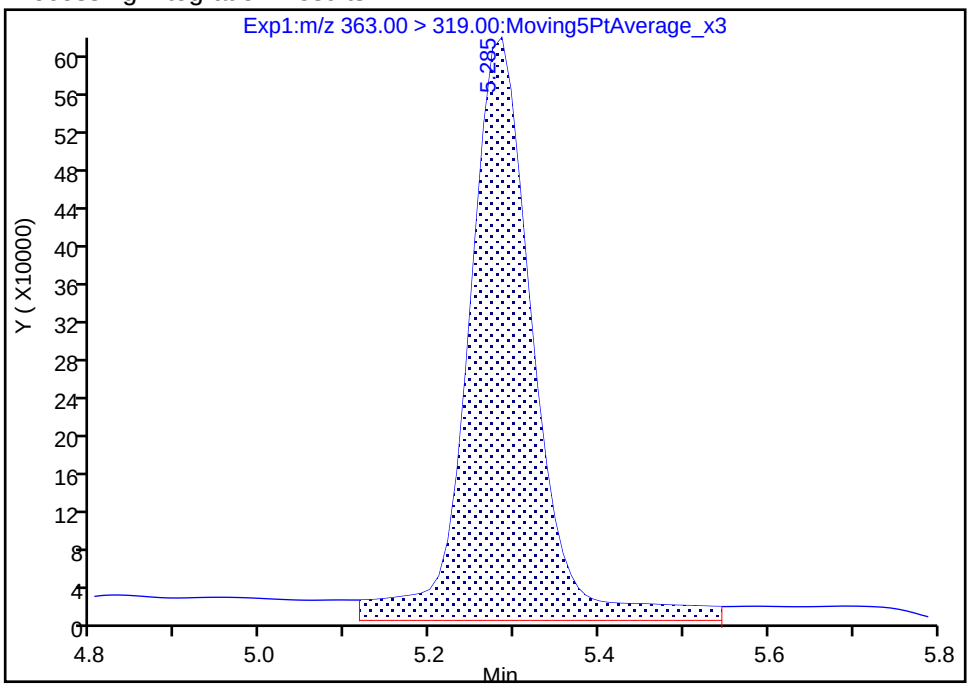
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

23 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

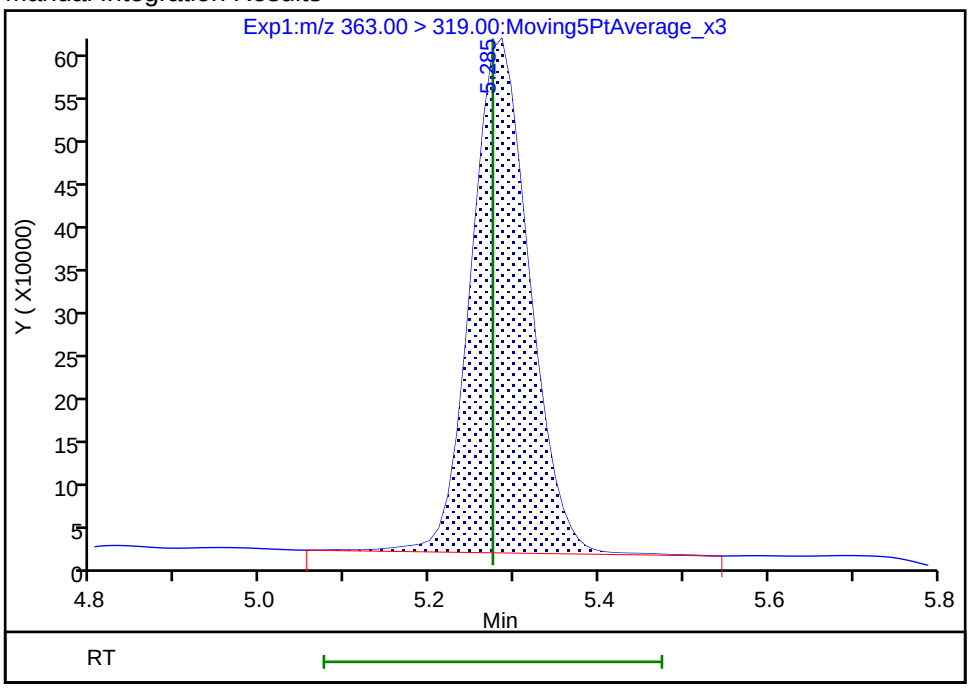
Processing Integration Results

RT: 5.28
Area: 3287715
Amount: 3.515254
Amount Units: ng/ml



Manual Integration Results

RT: 5.28
Area: 2841241
Amount: 3.037880
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:37:25
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

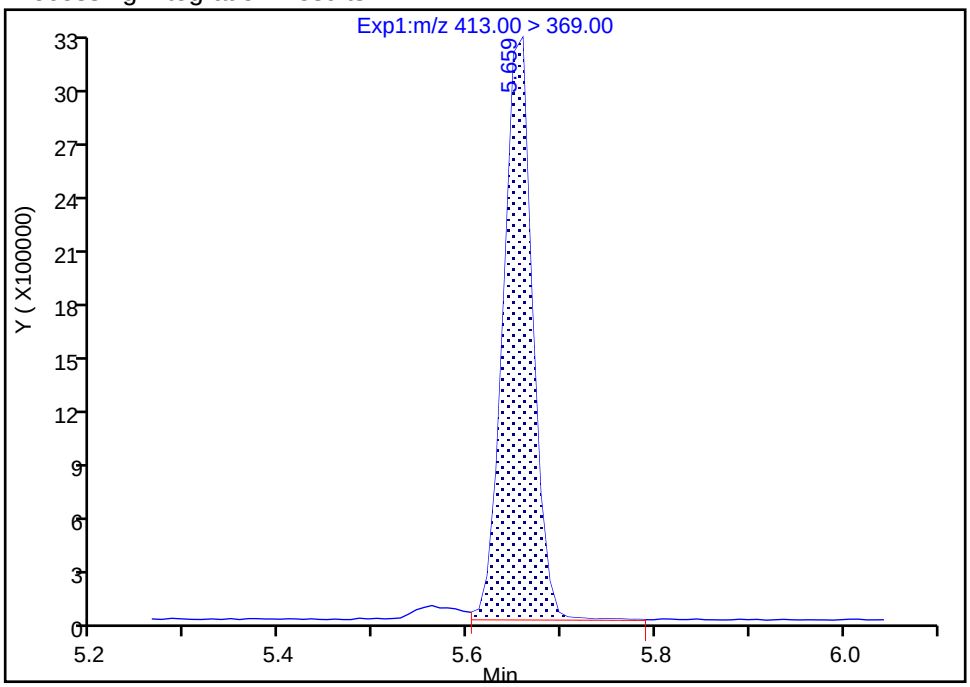
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

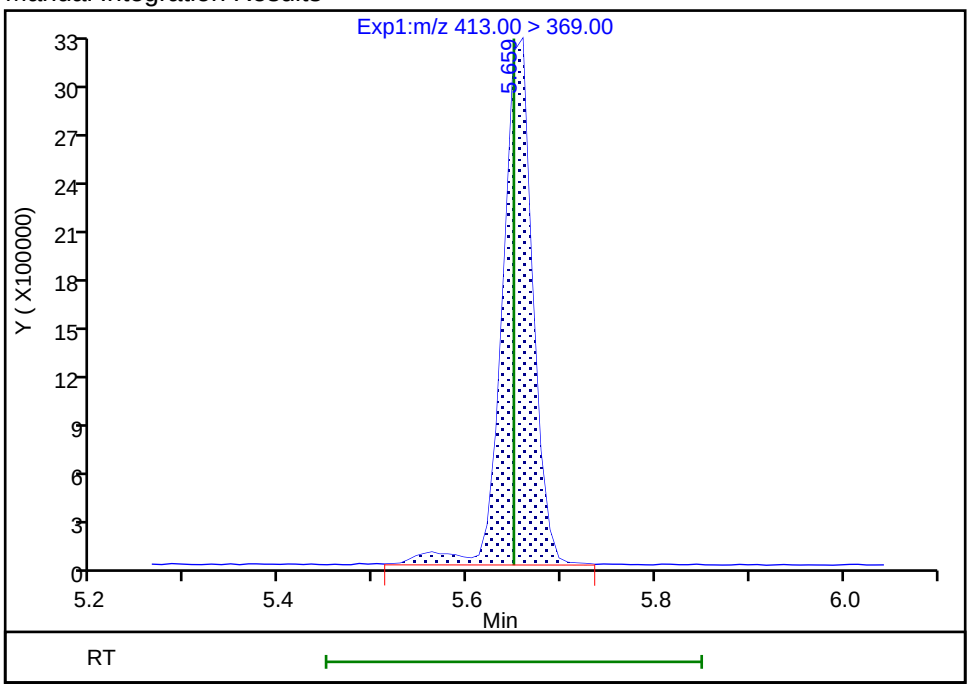
Processing Integration Results

RT: 5.66
Area: 7038796
Amount: 10.304753
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 7272495
Amount: 10.646887
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:40:10
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

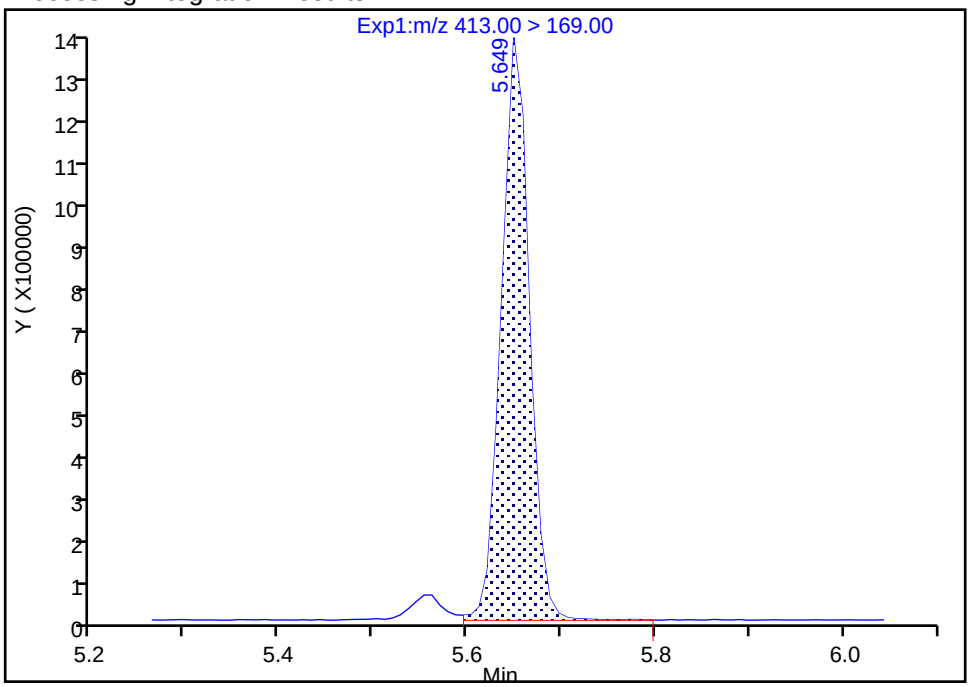
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

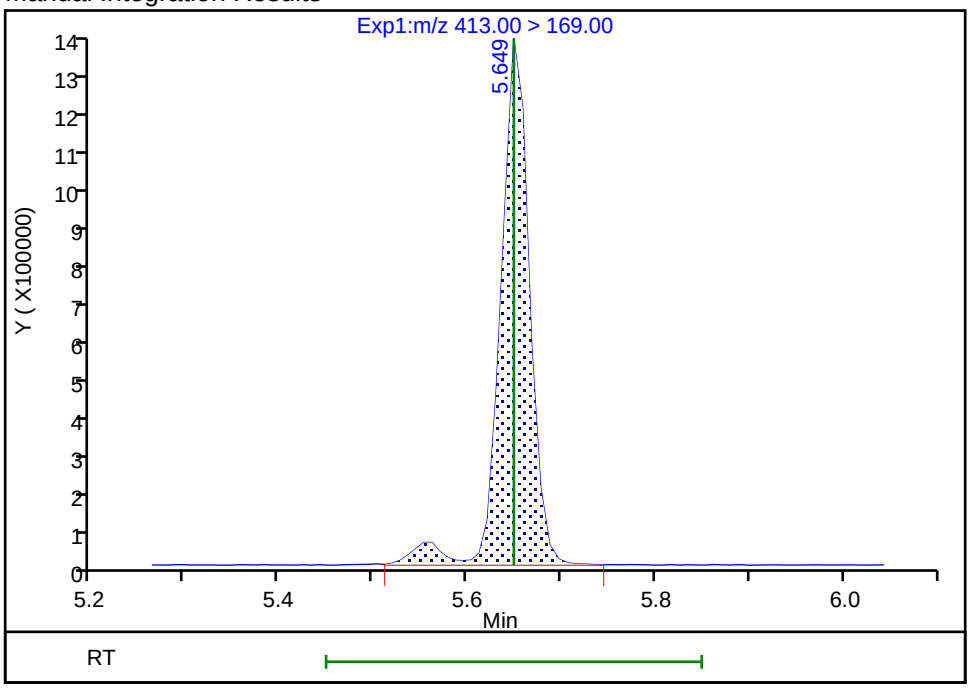
Processing Integration Results

RT: 5.65
Area: 2793966
Amount: 10.304753
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 2926847
Amount: 10.646887
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:40:39

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

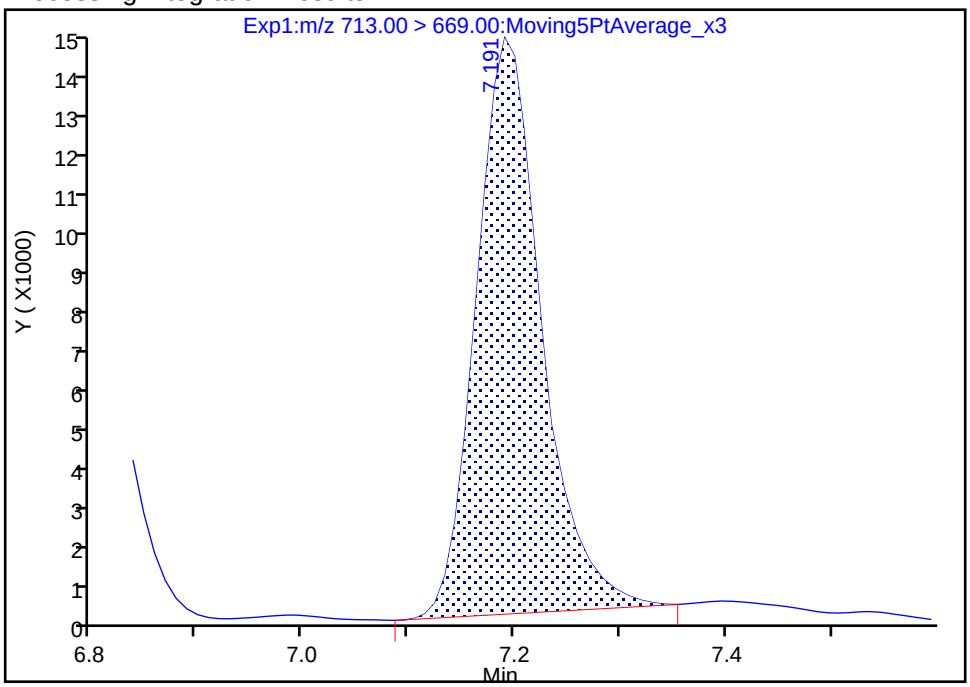
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

86 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

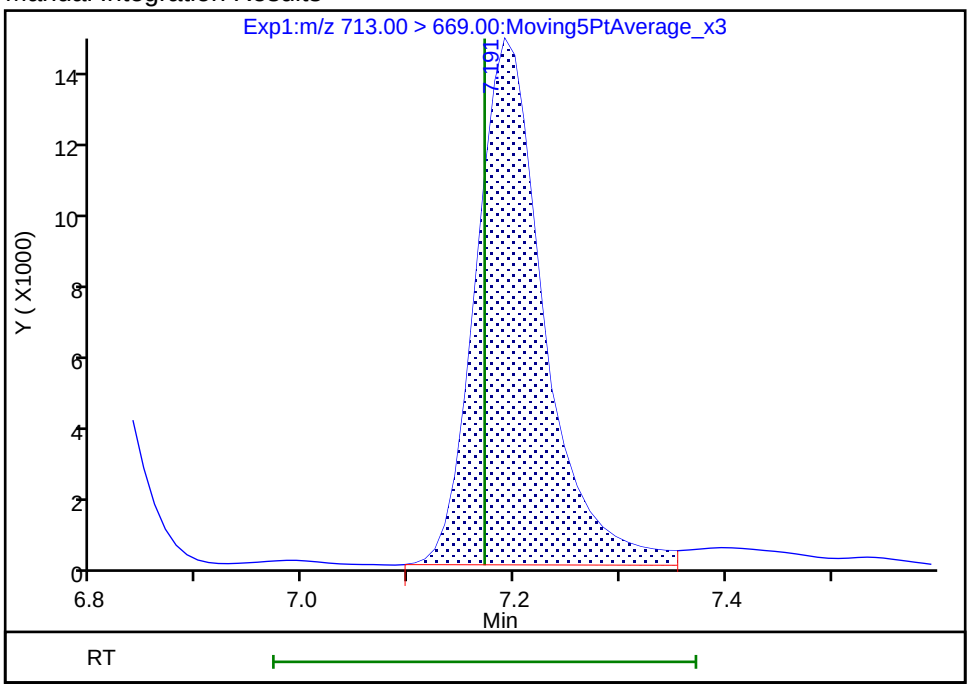
Processing Integration Results

RT: 7.19
Area: 60210
Amount: 0.155045
Amount Units: ng/ml



Manual Integration Results

RT: 7.19
Area: 63240
Amount: 0.162847
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:42:59

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

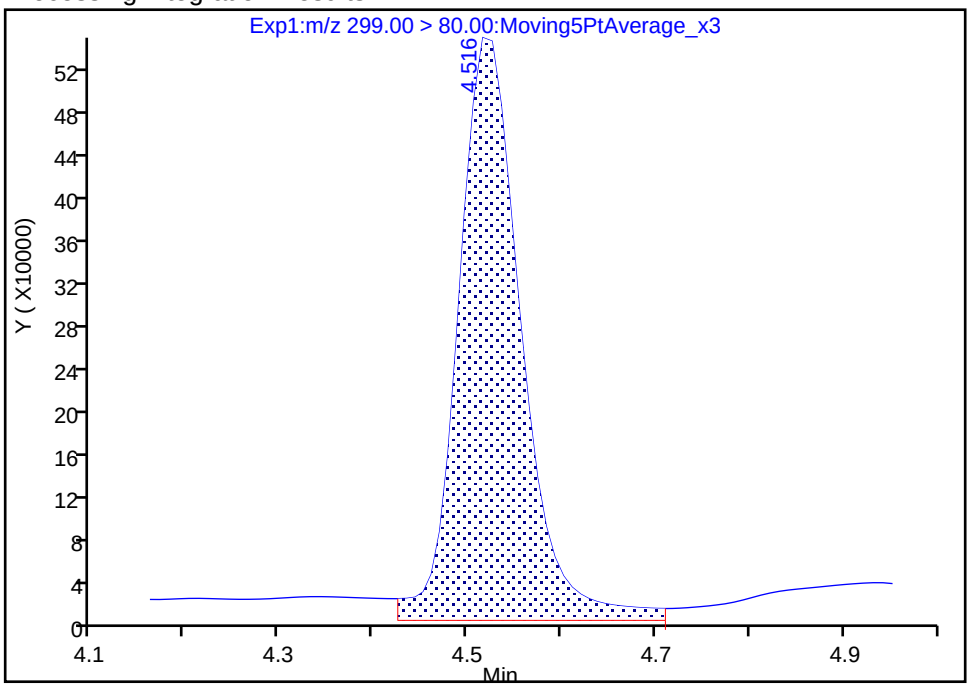
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

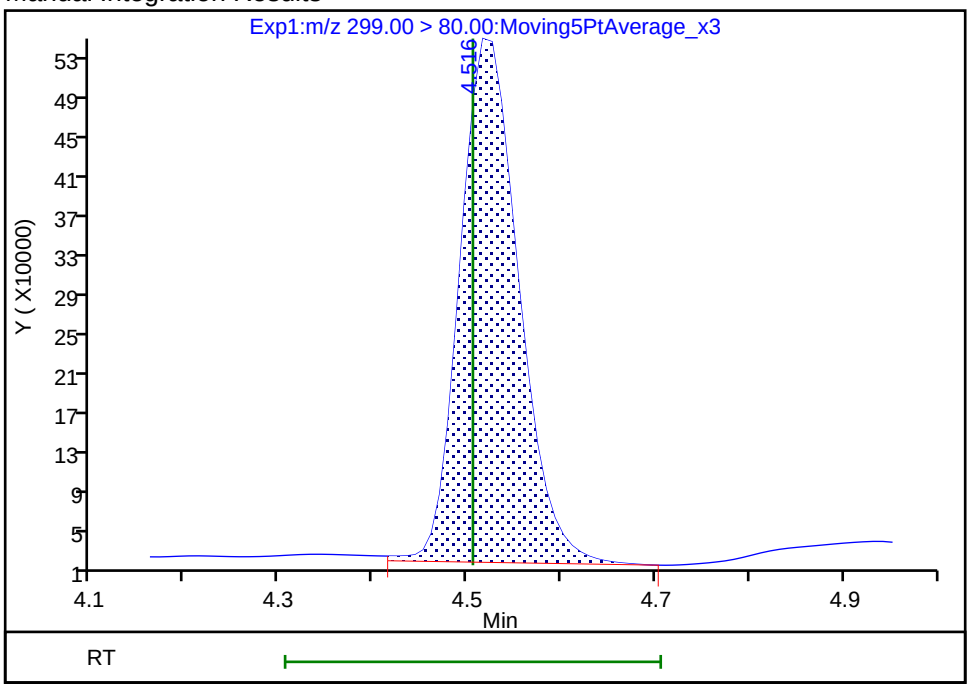
Processing Integration Results

RT: 4.52
Area: 2546077
Amount: 5.116668
Amount Units: ng/ml



Manual Integration Results

RT: 4.52
Area: 2321864
Amount: 4.666083
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:36:26

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

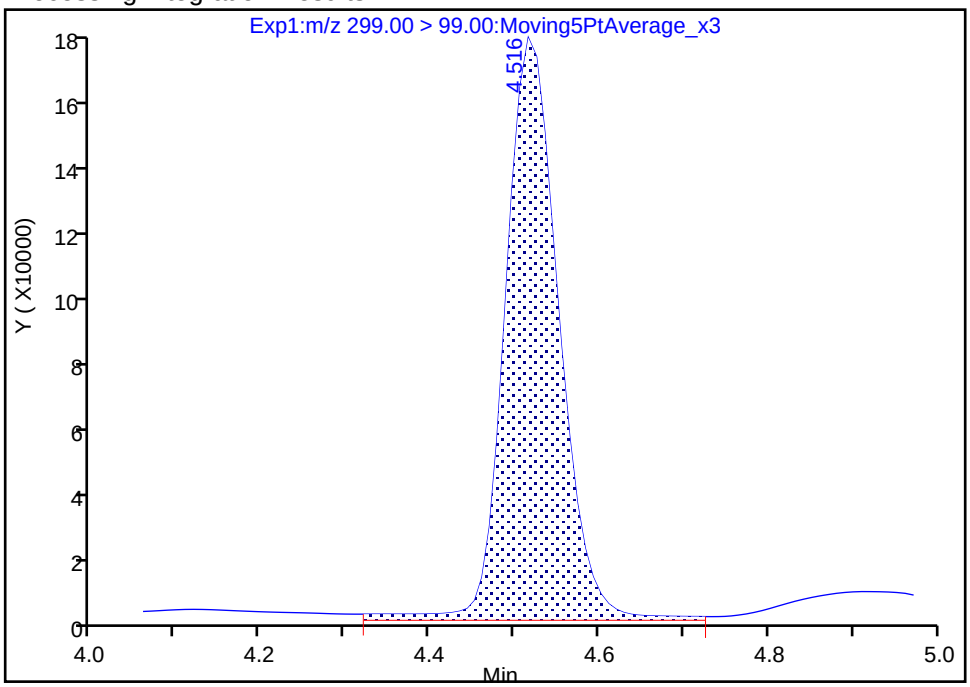
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

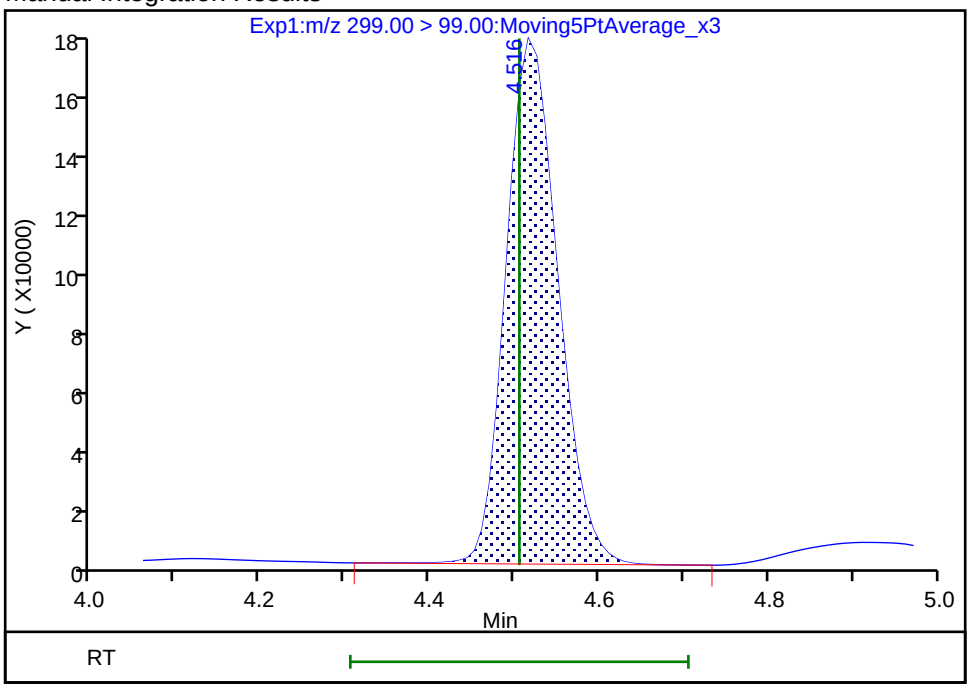
Processing Integration Results

RT: 4.52
Area: 764175
Amount: 5.116668
Amount Units: ng/ml



Manual Integration Results

RT: 4.52
Area: 728978
Amount: 4.666083
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:36:49

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

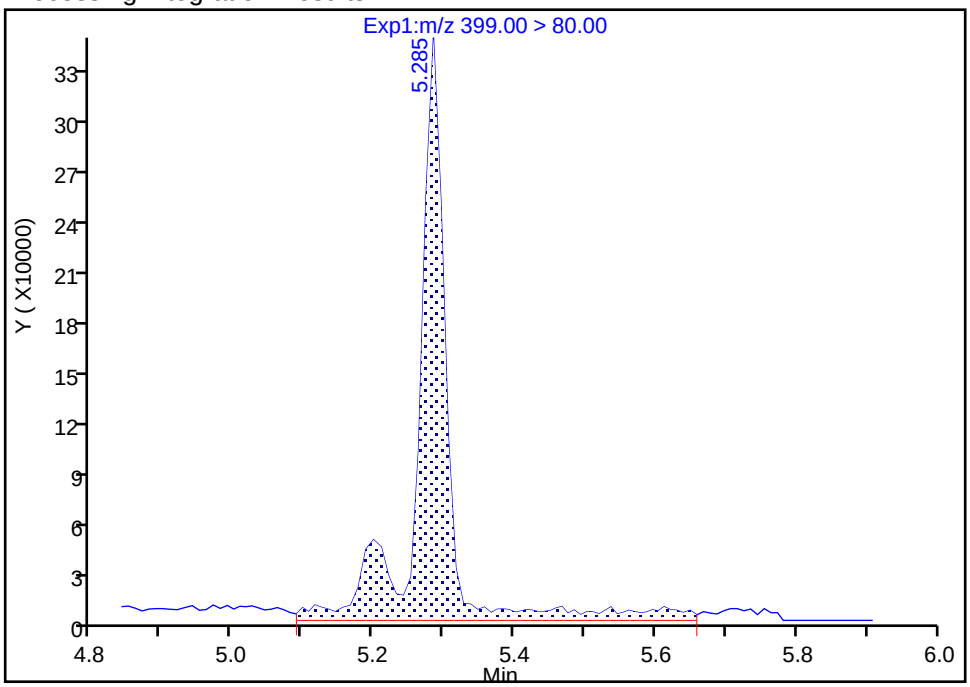
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

26 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

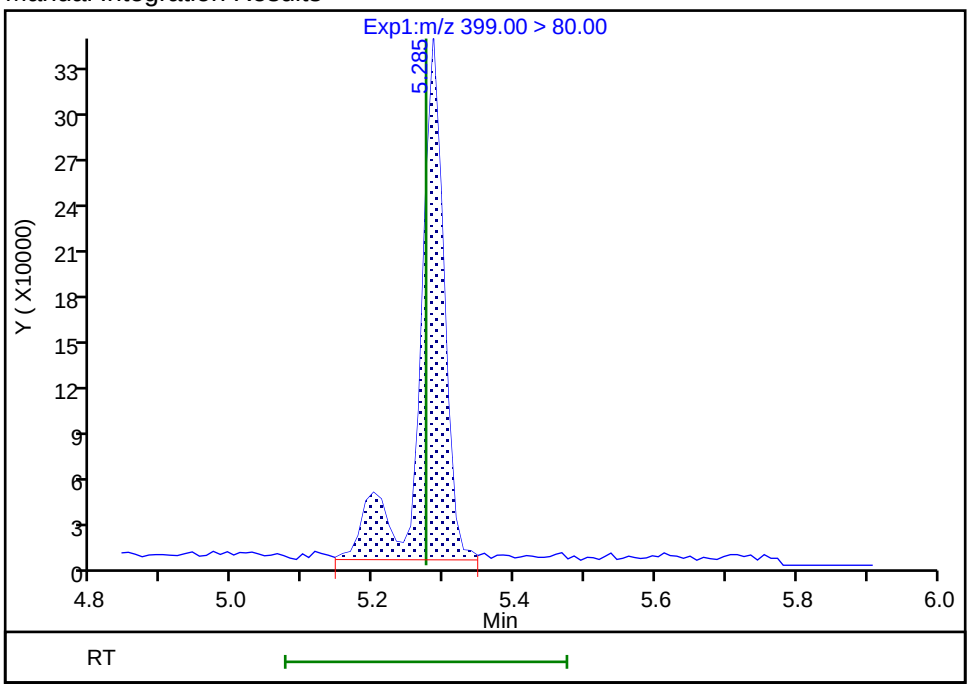
Processing Integration Results

RT: 5.28
Area: 981742
Amount: 1.857101
Amount Units: ng/ml



Manual Integration Results

RT: 5.28
Area: 812669
Amount: 1.537276
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:37:55

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

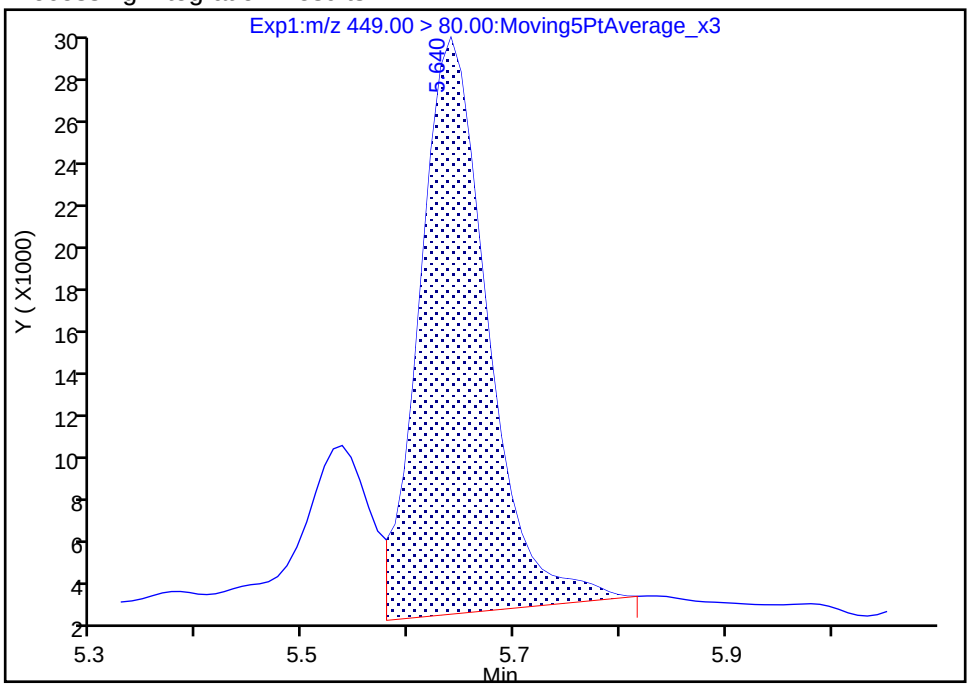
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

36 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

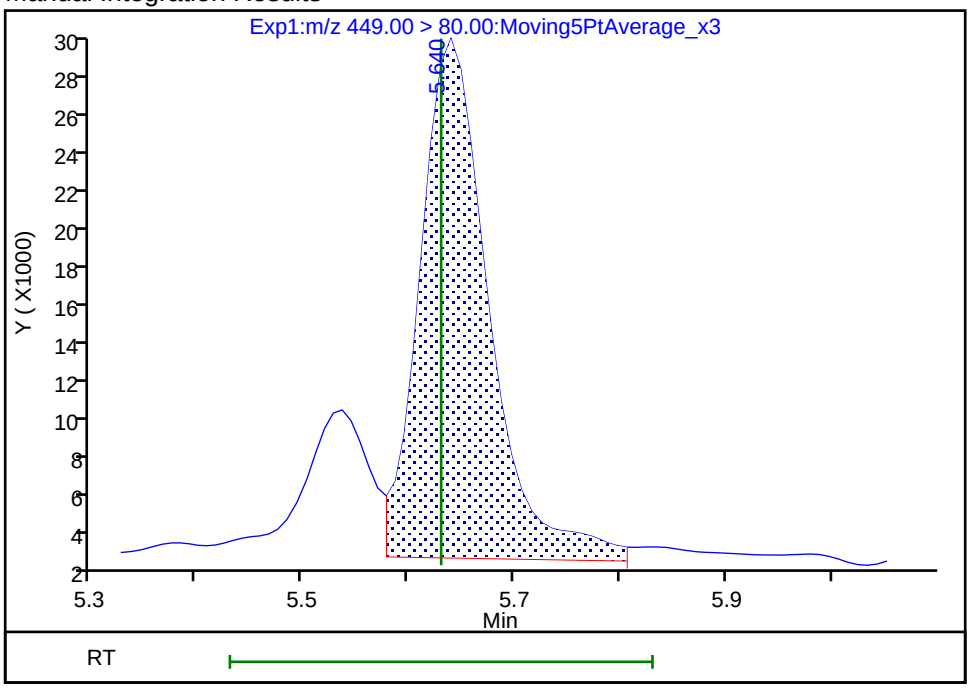
Processing Integration Results

RT: 5.64
Area: 118078
Amount: 0.245602
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 118288
Amount: 0.246039
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:38:57
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

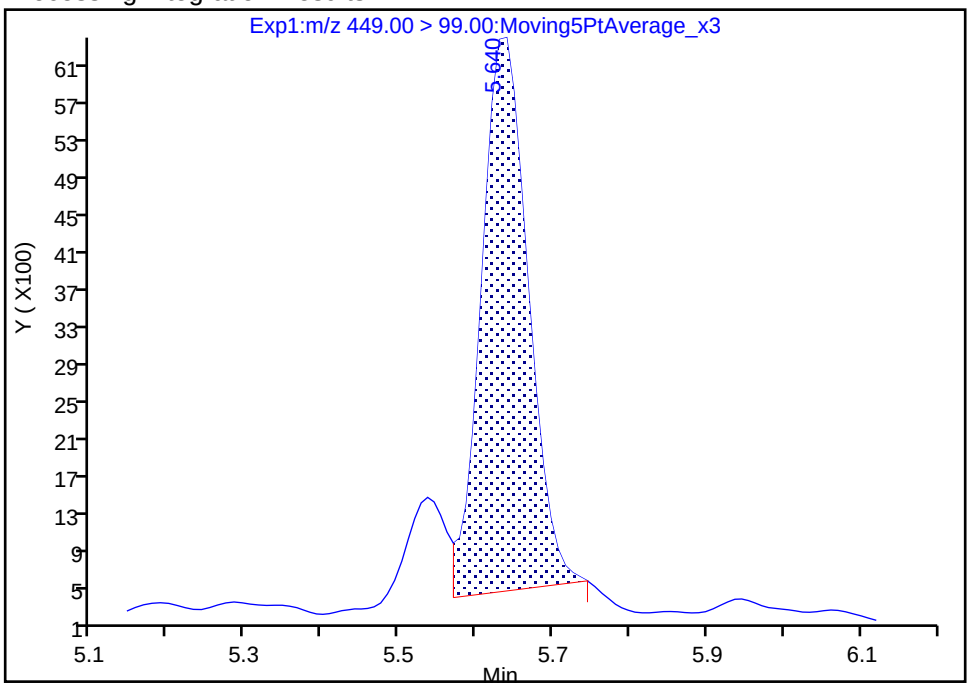
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

36 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

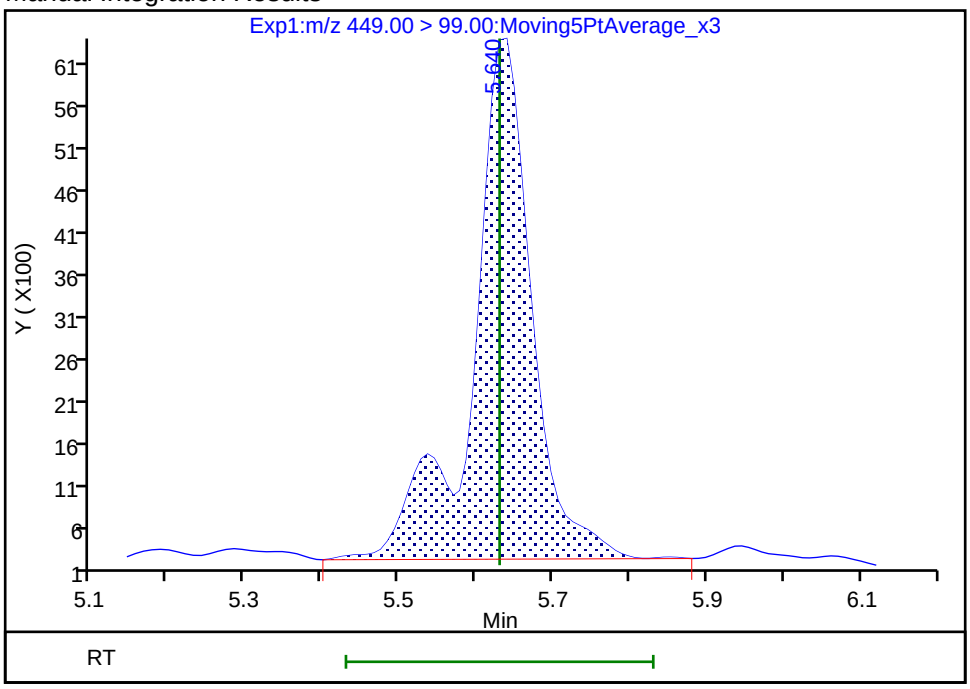
Processing Integration Results

RT: 5.64
Area: 25020
Amount: 0.245602
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 33116
Amount: 0.246039
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:39:08

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

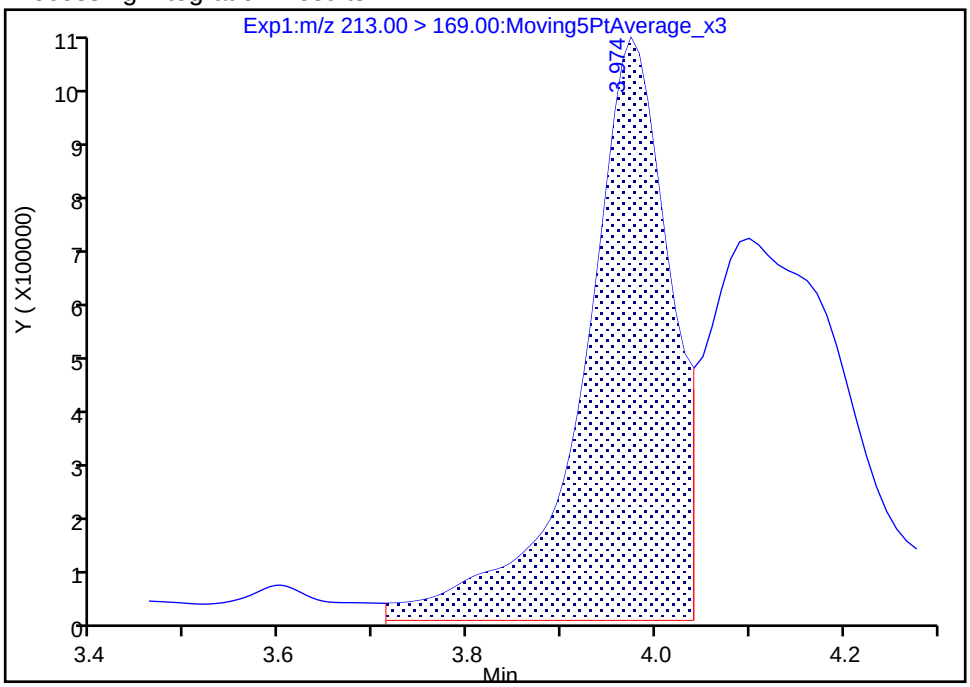
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

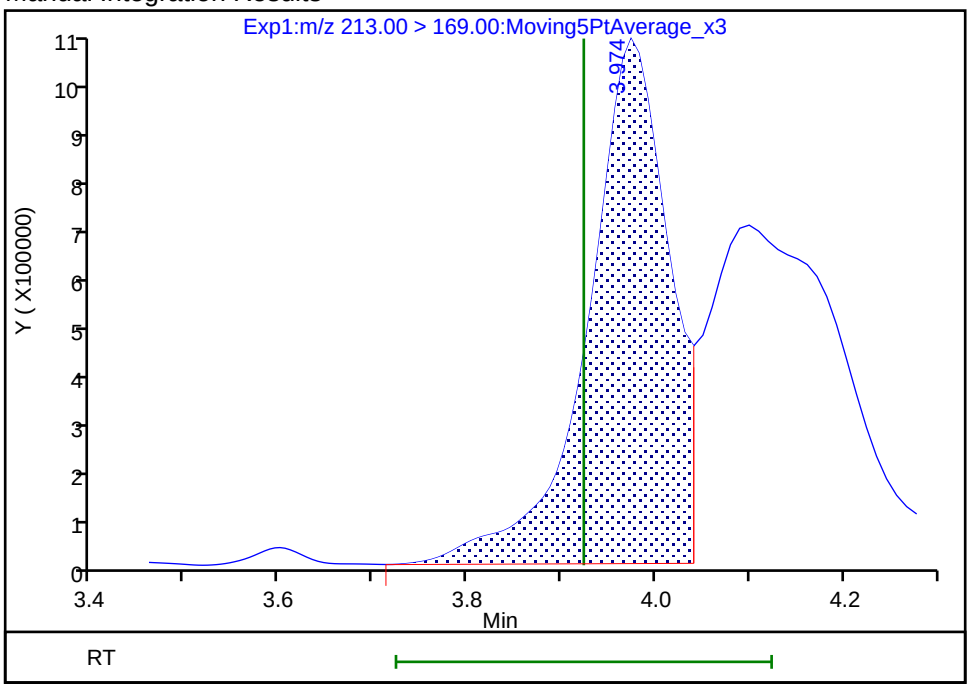
Processing Integration Results

RT: 3.97
Area: 6662932
Amount: 24.375117
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 6046988
Amount: 22.121799
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:35:45

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

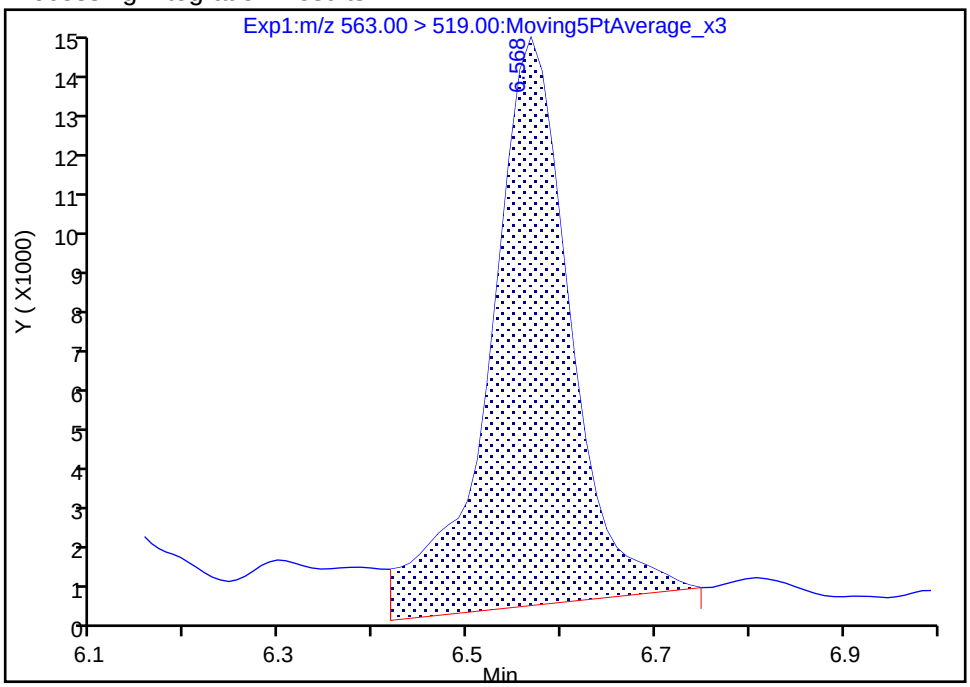
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

63 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

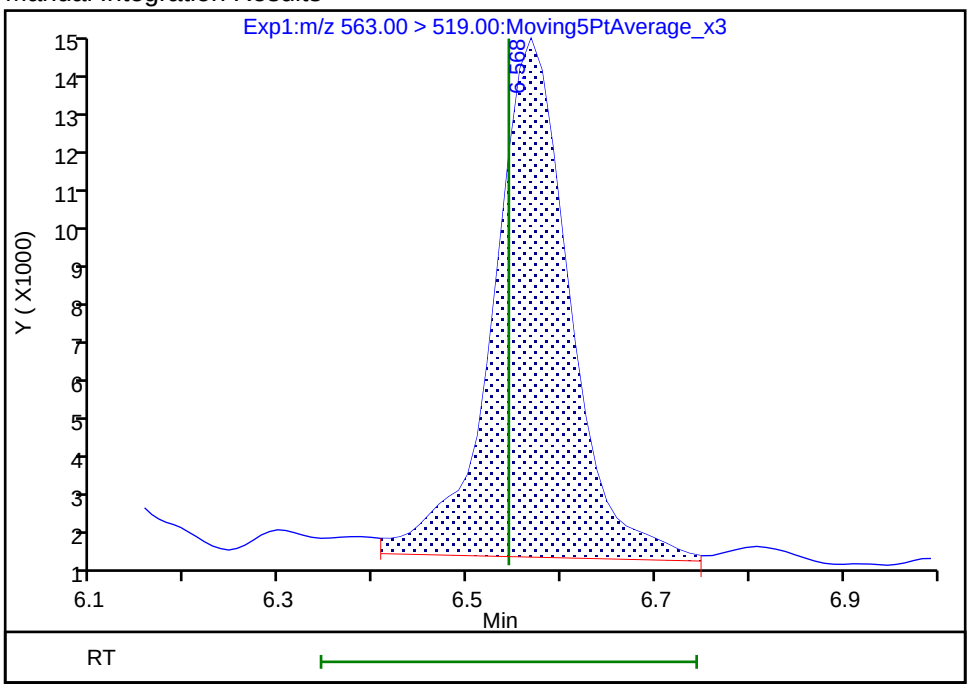
Processing Integration Results

RT: 6.57
Area: 81729
Amount: 0.113152
Amount Units: ng/ml



Manual Integration Results

RT: 6.57
Area: 75050
Amount: 0.103905
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:41:36
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

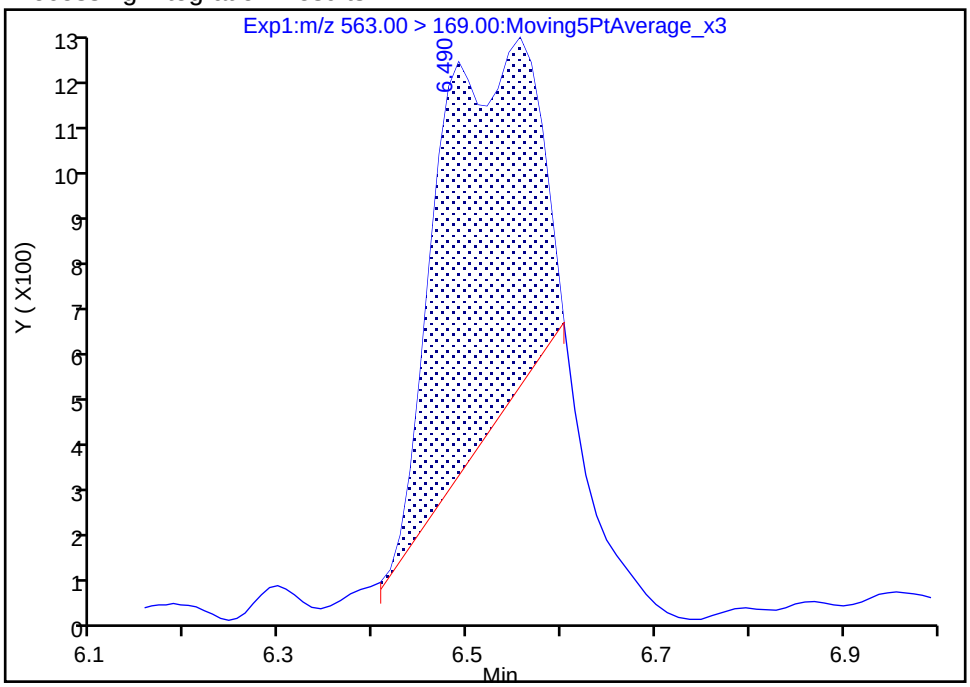
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

63 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

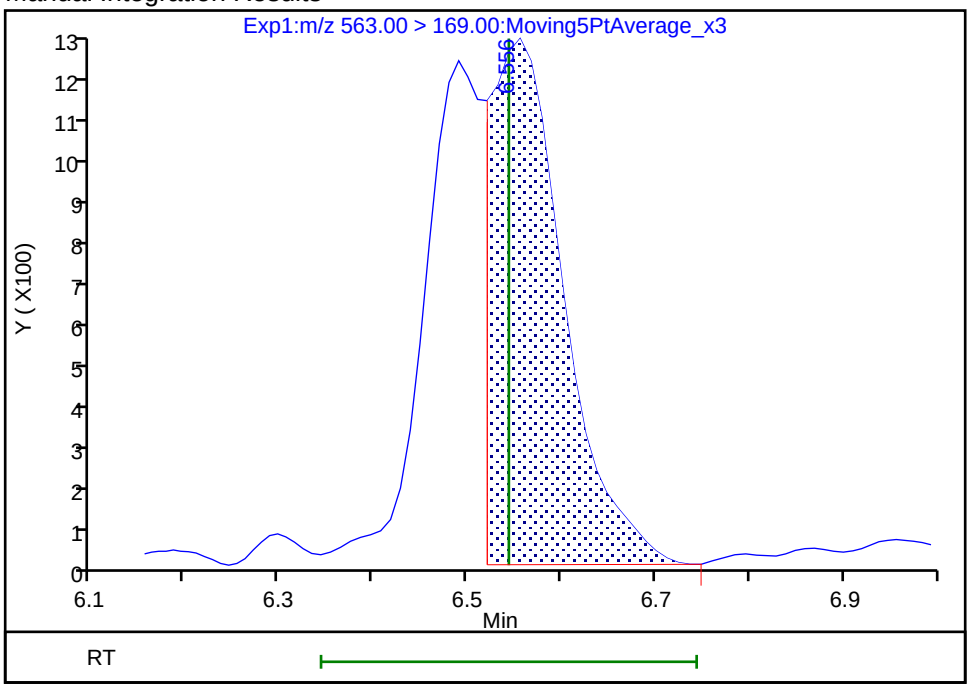
Processing Integration Results

RT: 6.49
Area: 5975
Amount: 0.113152
Amount Units: ng/ml



Manual Integration Results

RT: 6.56
Area: 6363
Amount: 0.103905
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:41:54
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

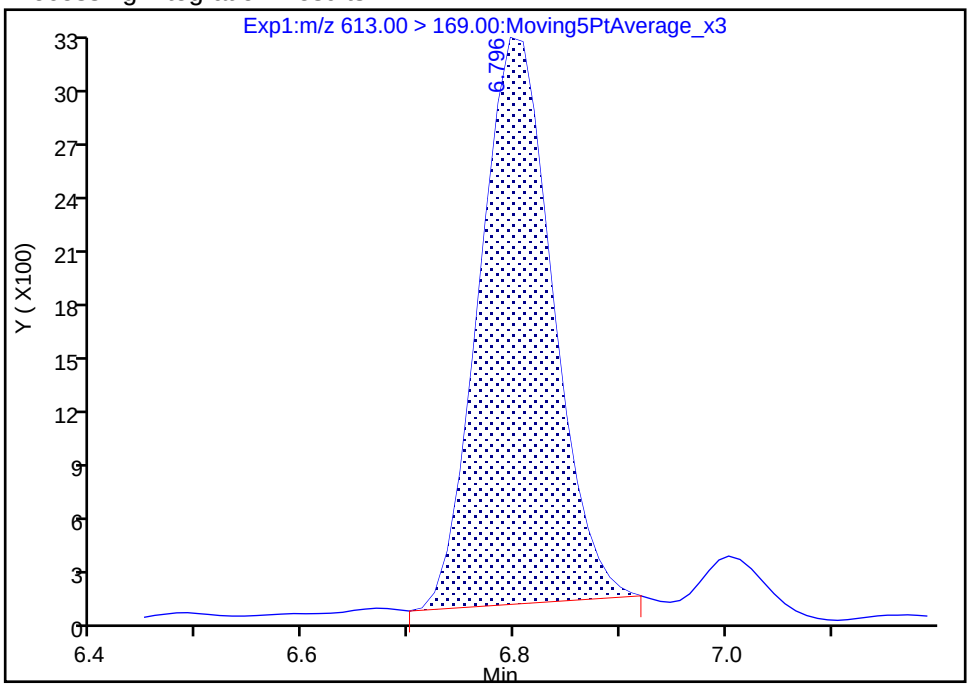
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

73 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

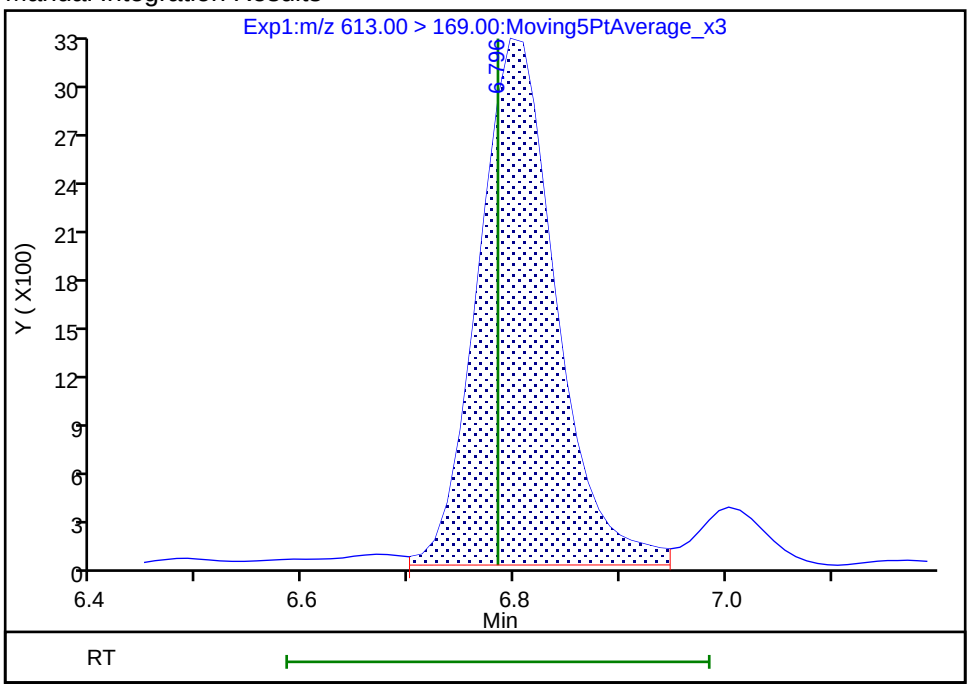
Processing Integration Results

RT: 6.80
Area: 15225
Amount: 0.157739
Amount Units: ng/ml



Manual Integration Results

RT: 6.80
Area: 16635
Amount: 0.157739
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:42:14
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

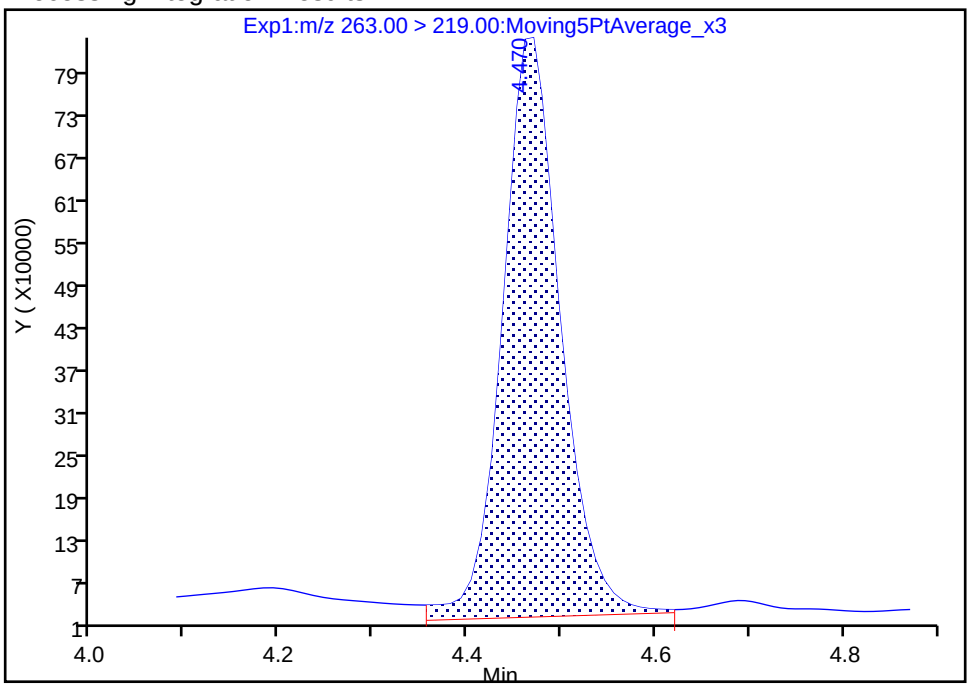
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-24.d				
Injection Date:	22-Jul-2021 04:53:21	Instrument ID:	30733		
Lims ID:	460-239002-A-1-A	Lab Sample ID:	410-239002-1		
Client ID:	MW-1				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	21	Worklist Smp#:	24
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

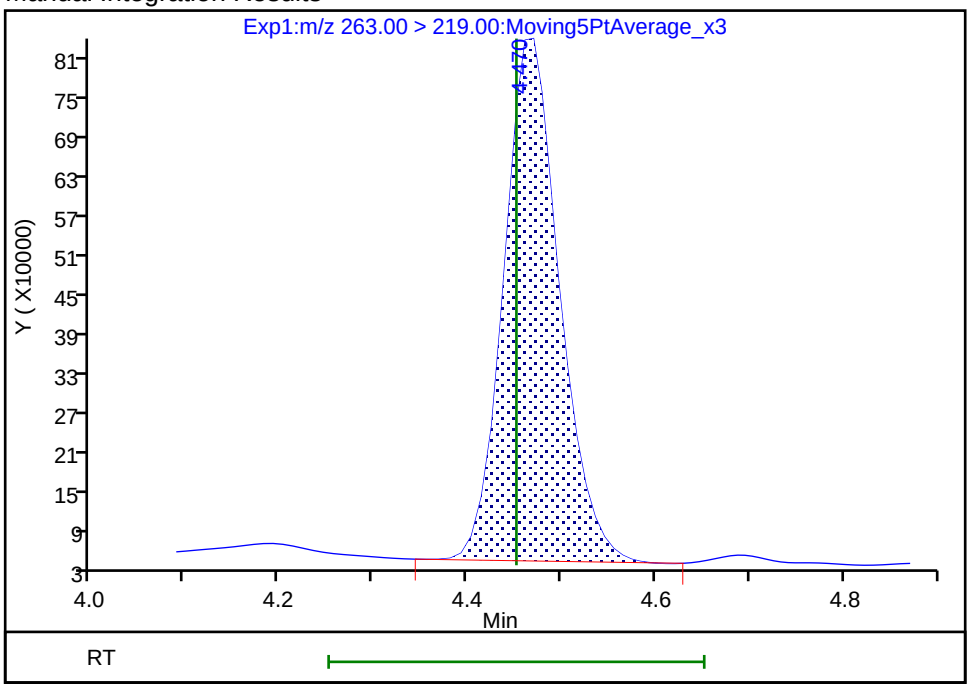
Processing Integration Results

RT: 4.47
Area: 3486788
Amount: 6.299781
Amount Units: ng/ml



Manual Integration Results

RT: 4.47
Area: 3279573
Amount: 5.925394
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:36:12
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-3A Lab Sample ID: 460-239002-2

Matrix: Water Lab File ID: 21JUL21-25.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 12:35

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 264.7(mL) Date Analyzed: 07/22/2021 05:04

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	24.8		1.89	0.47
375-85-9	Perfluoroheptanoic acid	19.8		1.89	0.47
335-67-1	Perfluorooctanoic acid	48.1		1.89	0.47
375-95-1	Perfluorononanoic acid	12.9		1.89	0.47
335-76-2	Perfluorodecanoic acid	6.98		1.89	0.47
72629-94-8	Perfluorotridecanoic acid	1.89	U	1.89	0.47
376-06-7	Perfluorotetradecanoic acid	1.89	U	1.89	0.47
375-73-5	Perfluorobutanesulfonic acid	14.7		1.89	0.47
355-46-4	Perfluorohexanesulfonic acid	20.0		1.89	0.47
1763-23-1	Perfluorooctanesulfonic acid	235	B	1.89	0.47
2991-50-6	NEtFOSAA	2.83	U	2.83	0.47
2355-31-9	NMeFOSAA	1.89	U	1.89	0.57
375-92-8	Perfluoroheptanesulfonic acid	1.95		1.89	0.47
335-77-3	Perfluorodecanesulfonic acid	1.89	U	1.89	0.47
754-91-6	Perfluorooctanesulfonamide	1.89	U	1.89	0.47
375-22-4	Perfluorobutanoic acid	13.3		4.72	1.89
2058-94-8	Perfluoroundecanoic acid	1.89	U	1.89	0.47
307-55-1	Perfluorododecanoic acid	1.89	U	1.89	0.47
27619-97-2	6:2 Fluorotelomer sulfonic acid	4.72	U	4.72	1.89
39108-34-4	8:2 Fluorotelomer sulfonic acid	2.83	U	2.83	0.94
2706-90-3	Perfluoropentanoic acid	28.9		1.89	0.47

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-3A Lab Sample ID: 460-239002-2

Matrix: Water Lab File ID: 21JUL21-25.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 12:35

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 264.7(mL) Date Analyzed: 07/22/2021 05:04

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	137		34-182
STL02279	M2-6:2 FTS	146		29-189
STL02577	13C5 PFHxA	73		31-142
STL01892	13C4 PFHpA	86		30-144
STL01052	13C8 PFOA	77		49-127
STL02578	13C9 PFNA	102		47-136
STL02579	13C6 PFDA	96		47-128
STL02580	13C7 PFUnA	103		40-135
STL02703	13C2-PFDoDA	93		28-136
STL02116	13C2 PFTeDA	84		10-144
STL02337	13C3 PFBS	110		19-178
STL02581	13C3 PFHxS	78		32-145
STL01054	13C8 PFOS	88		49-126
STL02118	d3-NMeFOSAA	86		32-151
STL02117	d5-NEtFOSAA	121		37-164
STL01056	13C8 FOSA	78		10-143
STL00992	13C4 PFBA	89		41-132
STL01893	13C5 PFPeA	112		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d
Lims ID: 460-239002-A-2-A
Client ID: MW-3A
Sample Type: Client
Inject. Date: 22-Jul-2021 05:04:23 ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-2-A
Misc. Info.: Plate: 1 Rack: 1 410-0034909-025
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 16:58:54 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 16:49:06
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.925	3.924	0.001	1.000	5285757	8.85		88.5	141646	
2 Perfluorobutanoic acid										M
213.00 > 169.00	3.925	3.924	0.001	1.000	1609391	3.53			611	M
* 4 13C3-PFBA										
216.00 > 172.00	3.925	3.924	0.001		2657633	5.00			7114	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.470	4.452	0.018	1.000	4468747	7.66			619	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.470	4.461	0.010	1.139	6173646	11.2		112	50386	
10 Perfluorobutanesulfonic acid										M
299.00 > 80.00	4.516	4.506	0.010	0.998	2044020	3.89	Target=3.13		620	M
299.00 > 99.00	4.516	4.506	0.010	0.998	648971		3.15(1.57-4.70)		1568	
D 11 13C3 PFBS										
302.00 > 80.00	4.526	4.515	0.011	1.153	4755597	10.2		110	6628	
17 Perfluorohexanoic acid										M
313.00 > 269.00	4.891	4.871	0.020	1.000	4006804	6.57	Target=14.88		795	M
313.00 > 119.00	4.891	4.871	0.020	1.000	241157		16.61(7.44-22.32)		2244	
D 19 13C5 PFHxA										
318.00 > 273.00	4.891	4.881	0.010	0.866	8075975	7.33		73.3	75322	
D 25 13C3 PFHxS										
402.00 > 80.00	5.285	5.274	0.011	0.935	5753669	7.41		78.3	27529	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.274	0.011	0.935	9755631	8.64		86.4	190683	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.285	5.274	0.011	1.000	5268019	5.23	Target=3.85		1969	
363.00 > 169.00	5.275	5.274	0.001	0.998	1325827		3.97(1.93-5.78)		16365	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.285	5.274	0.011	1.000	3156668	5.29	Target=3.51		49994	
399.00 > 99.00	5.285	5.274	0.011	1.000	836466		3.77(1.75-5.26)		193435	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.631	5.621	0.010	0.997	415254	13.9		146	6048	
34 6:2 FTS										M
427.00 > 407.00		5.621				0				
427.00 > 81.00		5.621								
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.631	5.630	0.001	1.065	279513	0.5152	Target=3.86		476	
449.00 > 99.00	5.631	5.630	0.001	1.065	70055		3.99(1.93-5.79)		967	
D 37 13C8 PFOA										
421.00 > 376.00	5.650	5.640	0.010	1.000	9376275	7.66		76.6	167848	
* 38 13C2 PFOA										
415.00 > 370.00	5.650	5.640	0.010		4484930	5.00			131433	
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.650	5.649	0.001	1.000	8924595	12.7	Target=2.48		87975	M
413.00 > 169.00	5.650	5.649	0.001	1.000	3532809		2.53(1.24-3.72)		153132	M
D 41 13C8 PFOS										
507.00 > 80.00	5.974	5.963	0.011	1.000	5289743	8.43		88.2	26560	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.974	5.963	0.011	1.000	37659851	62.3	Target=4.45		3093868	
499.00 > 99.00	5.965	5.963	0.002	0.999	8187601		4.60(2.23-6.68)		1261590	
* 42 13C4 PFOS										
503.00 > 80.00	5.974	5.963	0.011		2905870	4.78			15909	
D 45 13C9 PFNA										
472.00 > 427.00	5.991	5.981	0.010	1.003	8858648	10.2		102	213887	
44 Perfluorononanoic acid										
463.00 > 419.00	5.982	5.981	0.001	0.999	2606954	3.42	Target=4.83		4524	
463.00 > 169.00	5.982	5.981	0.001	0.999	536915		4.86(2.42-7.25)		9277	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.292	6.280	0.012	1.000	1708089	1.85	Target=10.20		7027	
513.00 > 169.00	6.292	6.280	0.012	1.000	164699		10.37(5.10-15.29)		5006	
D 54 13C6 PFDA										
519.00 > 474.00	6.292	6.289	0.003	1.000	10592205	9.59		95.9	315170	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.300	6.289	0.011	1.001	248077	13.1		137	9813	
56 8:2 FTS										
527.00 > 507.00		6.289				ND				
527.00 > 81.00		6.289								
* 55 13C2 PFDA										
515.00 > 470.00	6.292	6.289	0.003		5809190	5.00			231982	
D 59 13C8 FOSA										
506.00 > 78.00	6.389	6.375	0.014	1.015	8545985	7.83		78.3	182829	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.378	6.375	0.003	0.998	78819	0.0932			221	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.442	6.429	0.014	1.024	1726528	8.61		86.1	74451	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
60 NMeFOSAA										
570.00 > 419.00	6.337	6.439	-0.102	0.984	6924	0.0449	Target=1.62		214	
570.00 > 483.00	6.310	6.439	-0.129	0.979	3916		1.77(0.81-2.44)		1284	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00		6.521				ND				
599.00 > 99.00		6.521								
63 Perfluoroundecanoic acid										R
563.00 > 519.00	6.483	6.544	-0.061	0.987	3903	0.004345	Target=8.77		18.9	R
563.00 > 169.00	6.483	6.544	-0.061	0.987	3760		1.04(4.39-13.16)		142	
D 65 13C7 PFUnA										
570.00 > 525.00	6.570	6.556	0.014	1.044	10875971	10.3		103	269621	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.582	6.567	0.015	1.046	1872360	12.1		121	37306	
67 NEtFOSAA										
584.00 > 419.00		6.579				ND				
584.00 > 526.00		6.579								
D 74 13C2-PFDoDA										
615.00 > 570.00	6.810	6.784	0.026	1.082	7525261	9.33		93.3	258534	
73 Perfluorododecanoic acid										
613.00 > 569.00		6.784				ND				
613.00 > 169.00		6.784								
85 Perfluorotridecanoic acid										
663.00 > 619.00		6.993				ND				
663.00 > 169.00		6.993								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.192	7.172	0.020	1.143	7196787	8.44		84.4	214674	
86 Perfluorotetradecanoic acid										
713.00 > 669.00		7.172				ND				
713.00 > 169.00		7.172								

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- R - Failed Signal Ratio Test

Review Flags
- M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 16:59:09 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d

Injection Date: 22-Jul-2021 05:04:23 Instrument ID: 30733

Lims ID: 460-239002-A-2-A Lab Sample ID: 410-239002-2

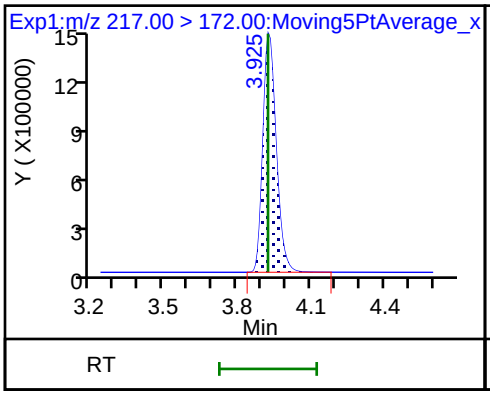
Client ID: MW-3A

Operator ID: US19_USR_INS20260 ALS Bottle#: 22 Worklist Smp#: 25

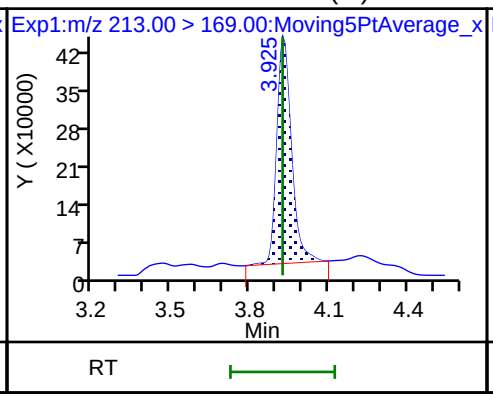
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

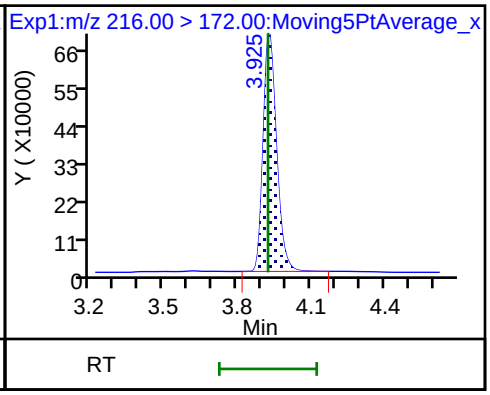
D 3 13C4 PFBA



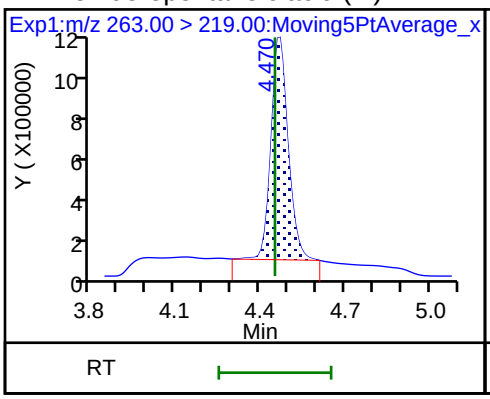
2 Perfluorobutanoic acid (M)



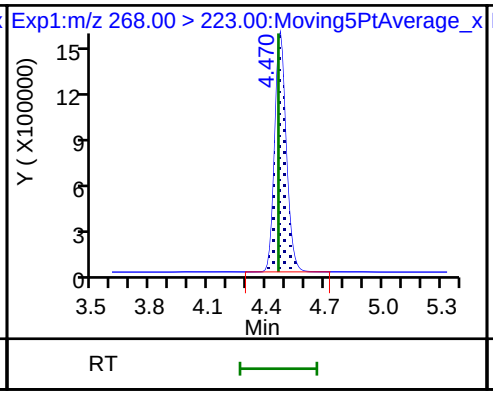
* 4 13C3-PFBA



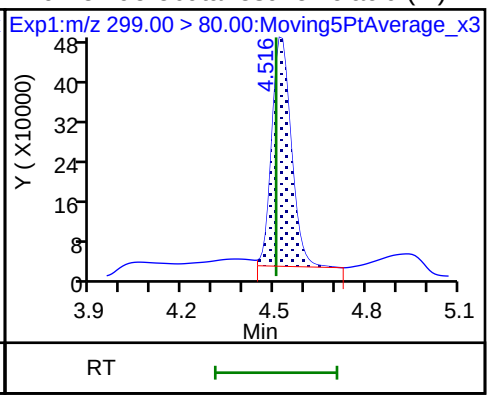
7 Perfluoropentanoic acid (M)



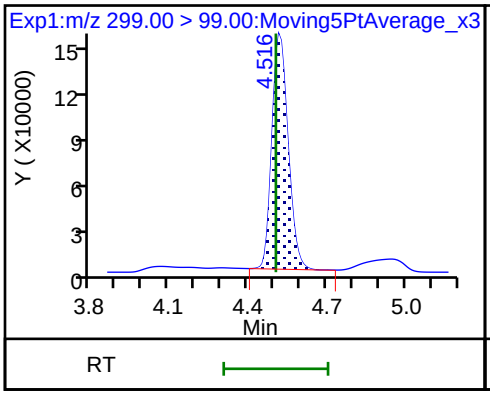
D 8 13C5 PFPeA



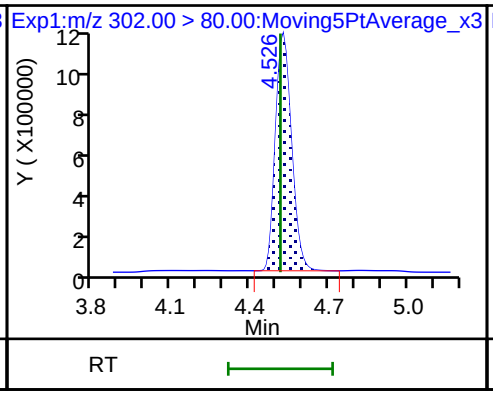
10 Perfluorobutanesulfonic acid (M)



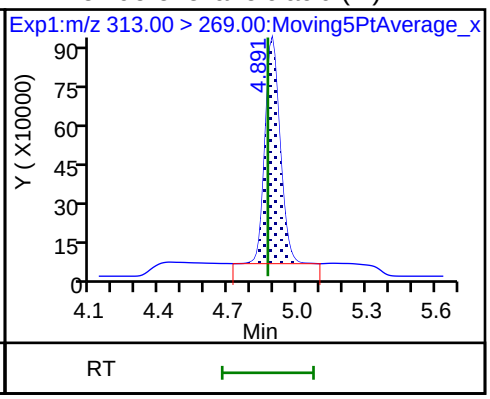
10 Perfluorobutanesulfonic acid



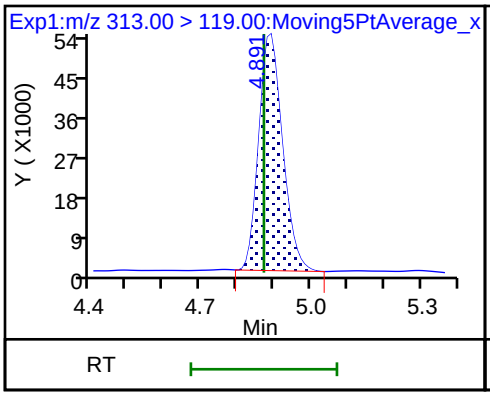
D 11 13C3 PFBS



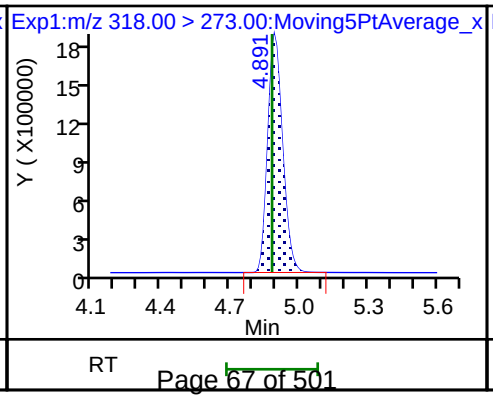
17 Perfluorohexanoic acid (M)



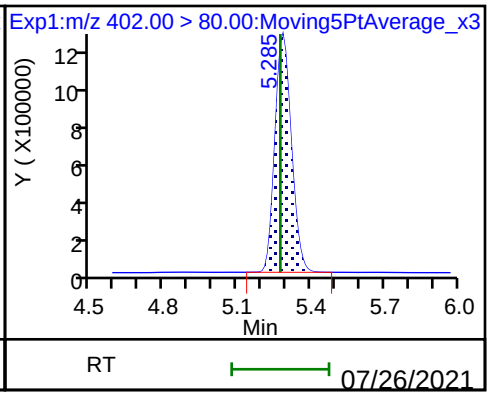
17 Perfluorohexanoic acid



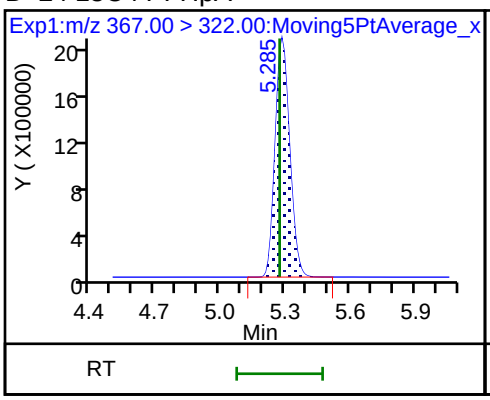
D 19 13C5 PFHxA



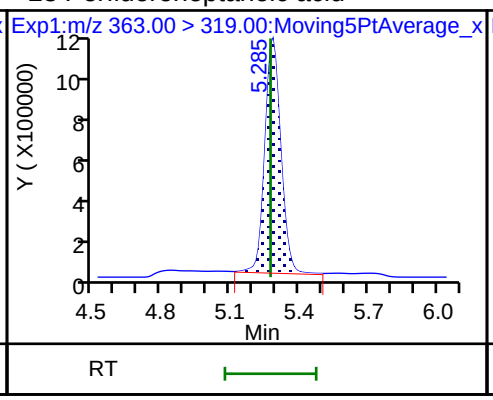
D 25 13C3 PFHxS



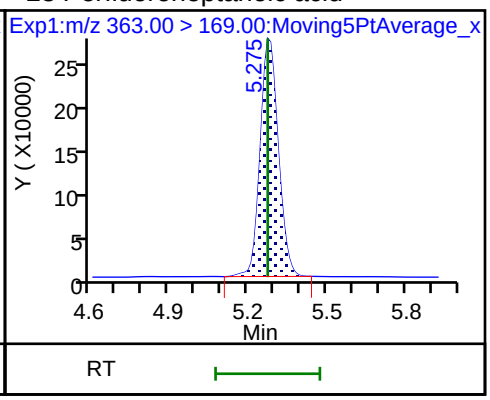
D 24 13C4 PFHpA



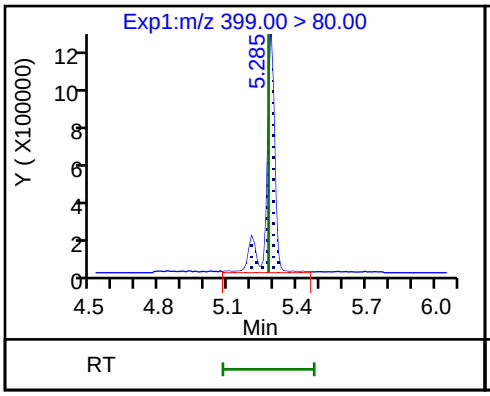
23 Perfluoroheptanoic acid



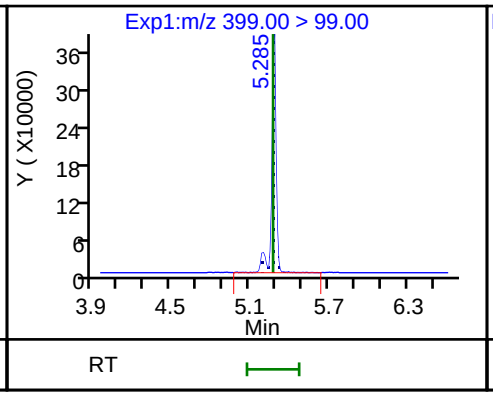
23 Perfluoroheptanoic acid



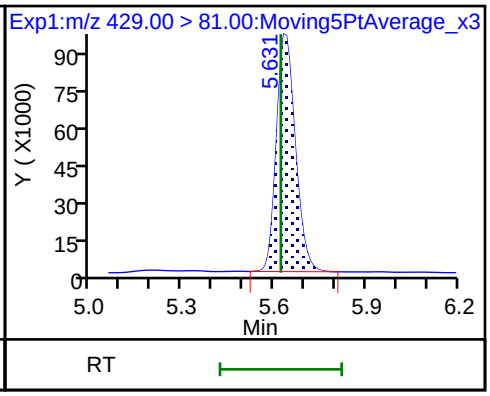
26 Perfluorohexanesulfonic acid



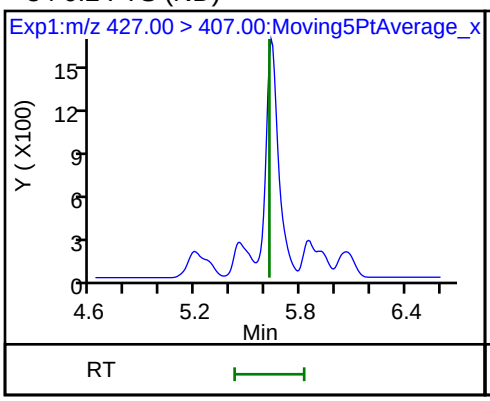
26 Perfluorohexanesulfonic acid



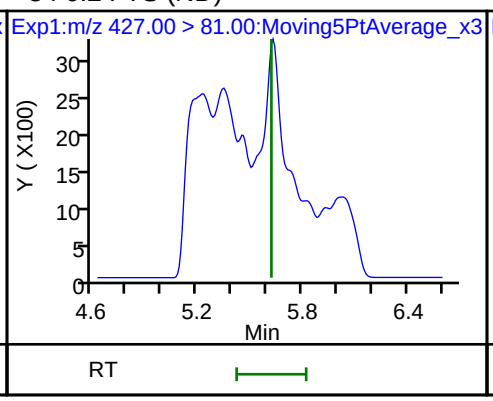
D 35 M2-6:2 FTS



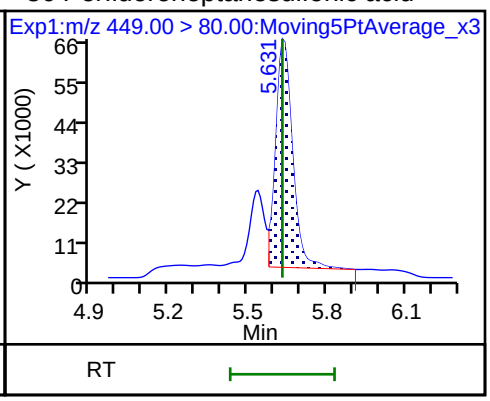
34 6:2 FTS (ND)



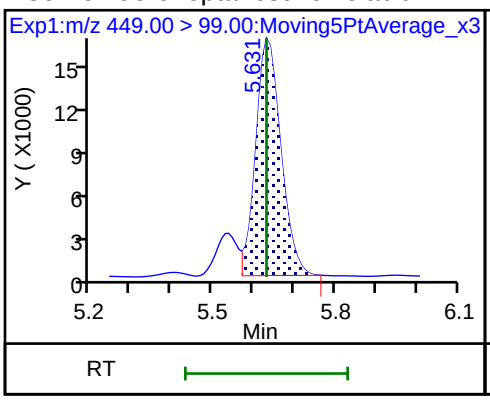
34 6:2 FTS (ND)



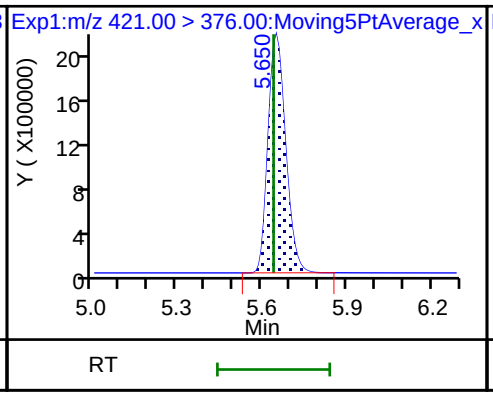
36 Perfluoroheptanesulfonic acid



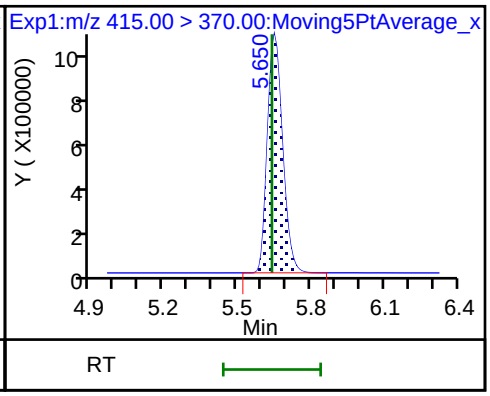
36 Perfluoroheptanesulfonic acid



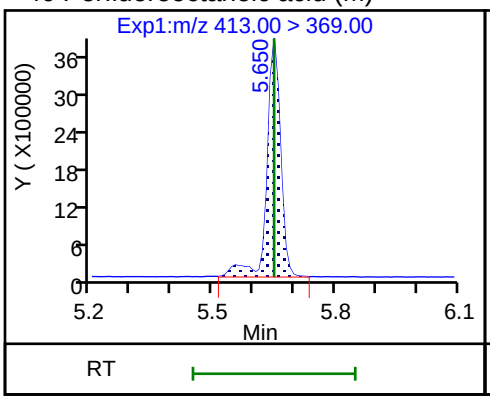
D 37 13C8 PFOA



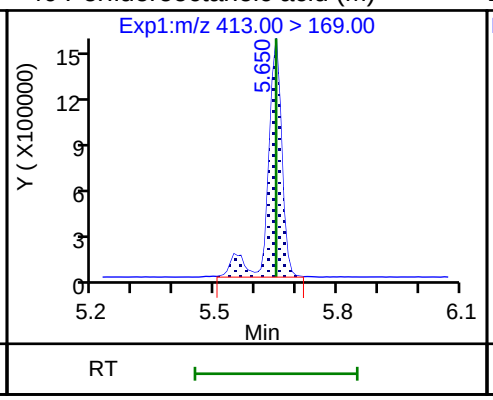
* 38 13C2 PFOA



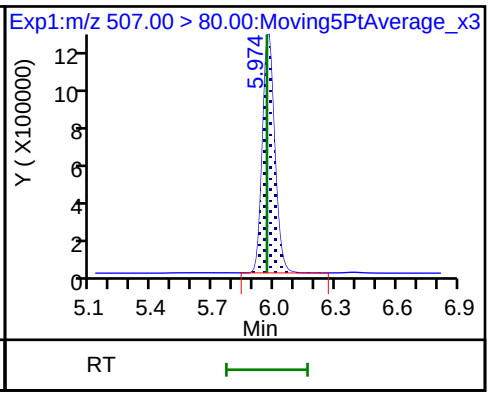
40 Perfluorooctanoic acid (M)



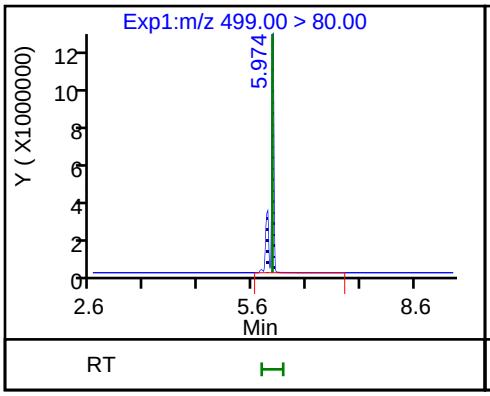
40 Perfluorooctanoic acid (M)



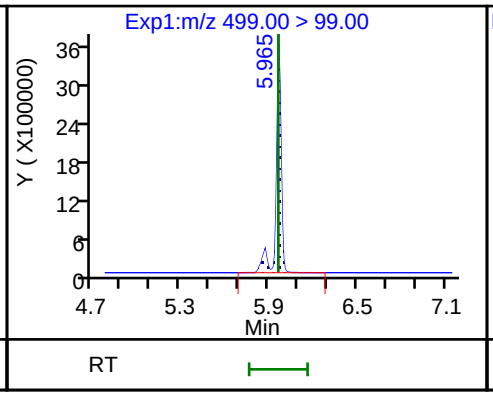
D 41 13C8 PFOS



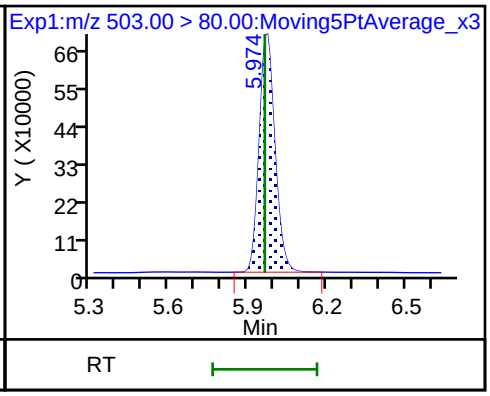
43 Perfluorooctanesulfonic acid



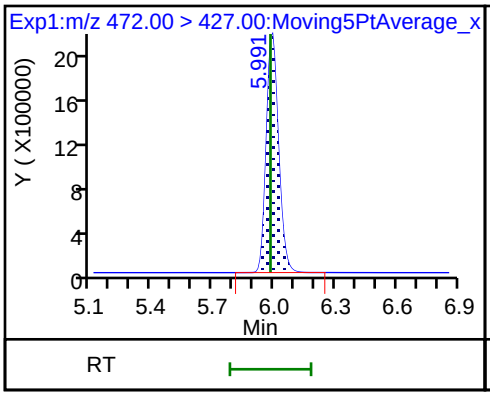
43 Perfluorooctanesulfonic acid



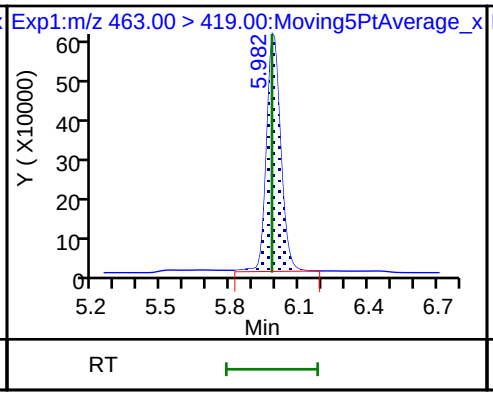
* 42 13C4 PFOS



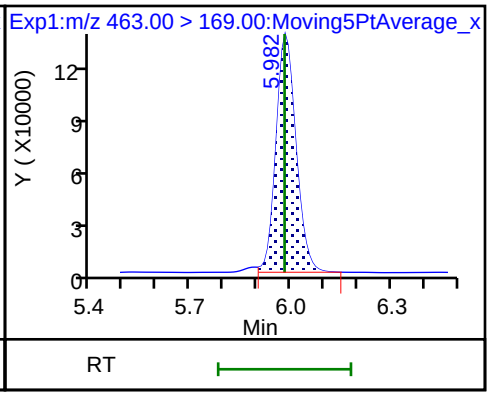
D 45 13C9 PFNA



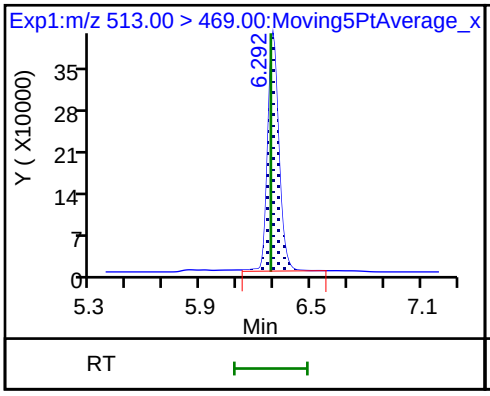
44 Perfluorononanoic acid



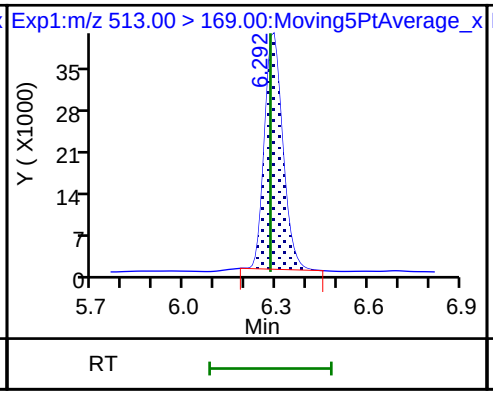
44 Perfluorononanoic acid



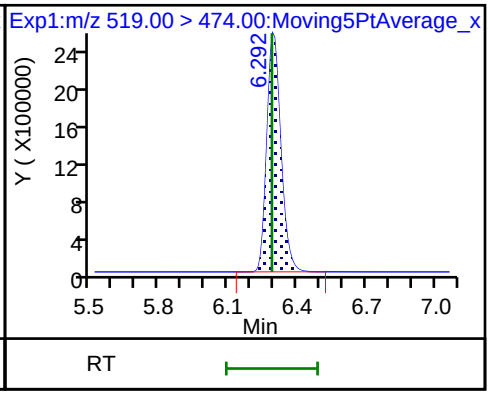
53 Perfluorodecanoic acid



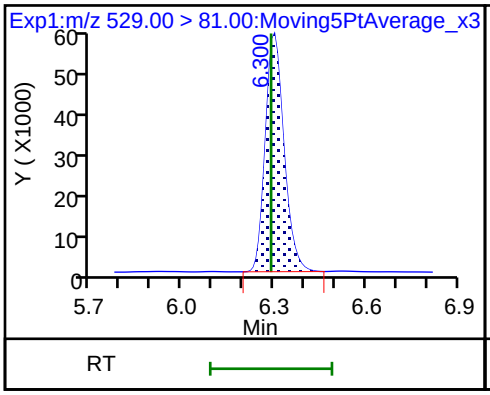
53 Perfluorodecanoic acid



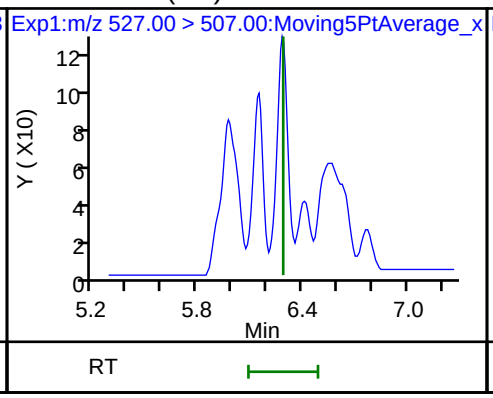
D 54 13C6 PFDA



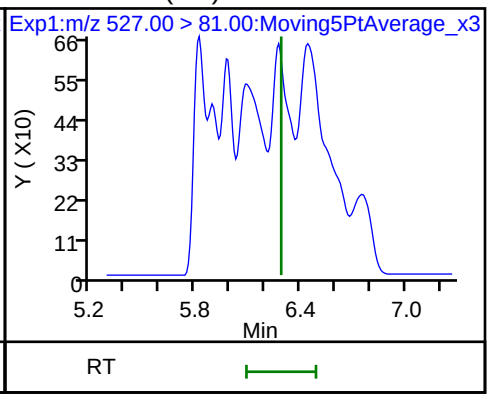
D 57 M2-8:2 FTS



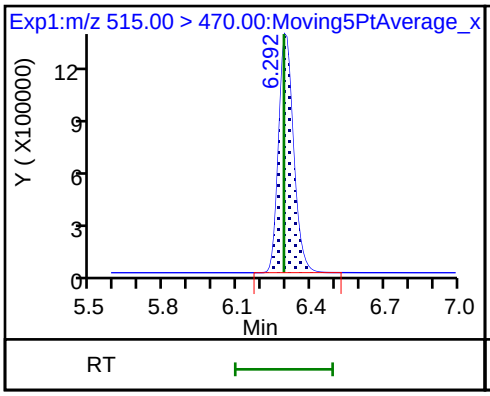
56 8:2 FTS (ND)



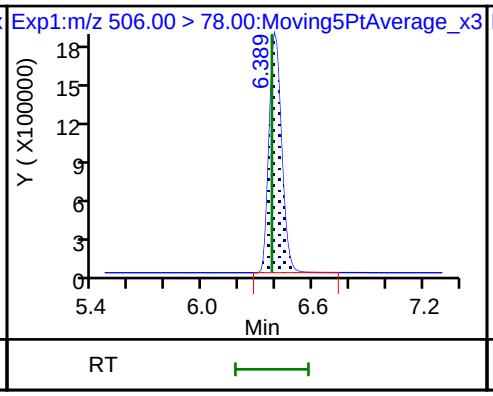
56 8:2 FTS (ND)



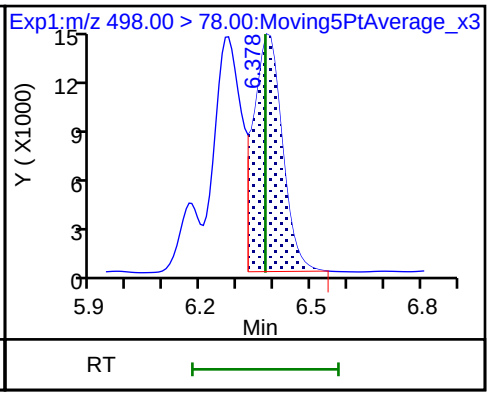
* 55 13C2 PFDA



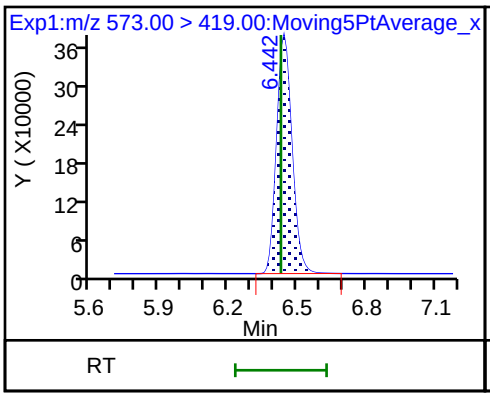
D 59 13C8 FOSA



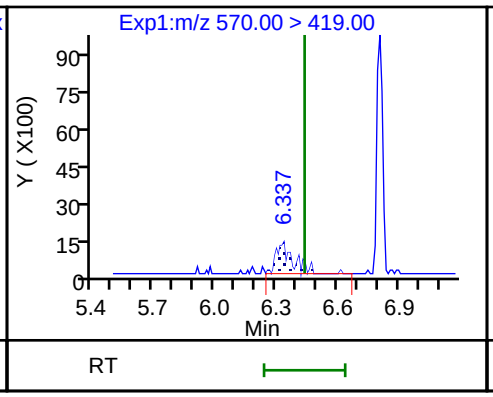
58 Perfluorooctanesulfonamide



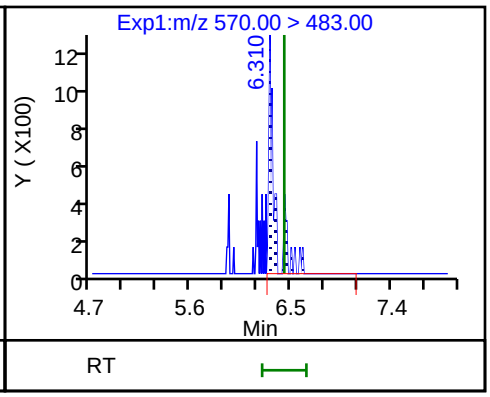
D 61 d3-NMeFOSAA



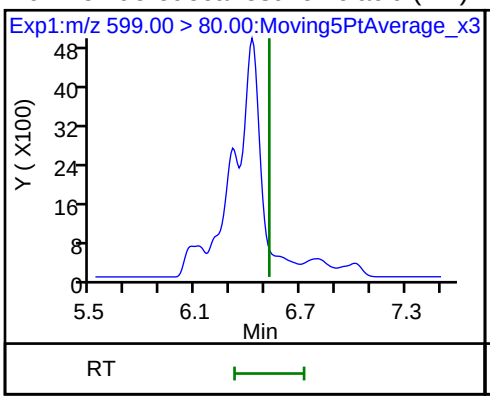
60 NMeFOSAA



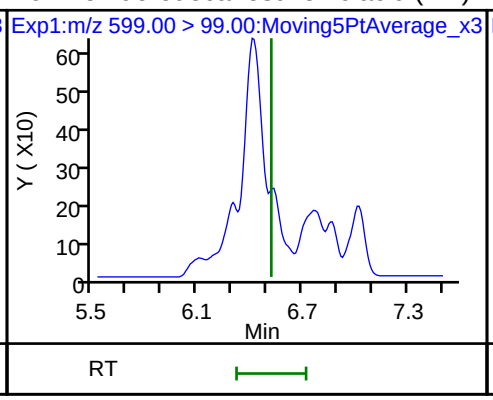
60 NMeFOSAA



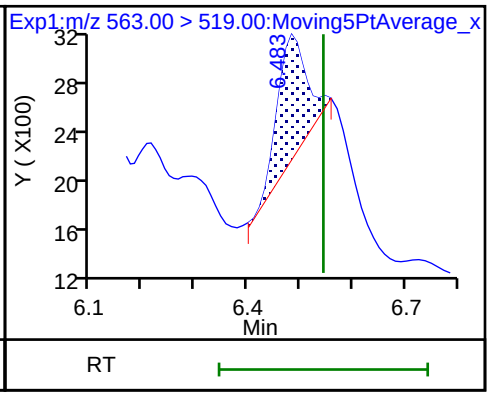
62 Perfluorodecanesulfonic acid (ND)



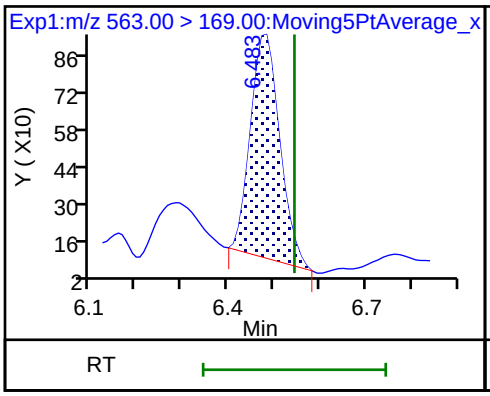
62 Perfluorodecanesulfonic acid (ND)



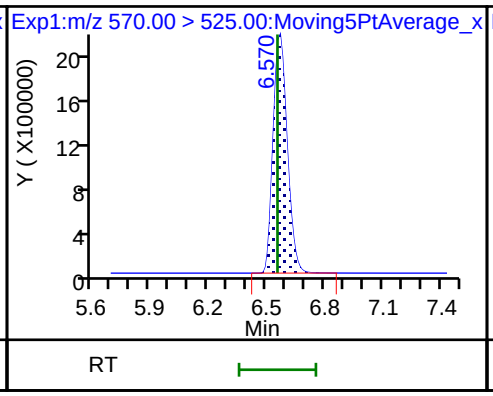
63 Perfluoroundecanoic acid



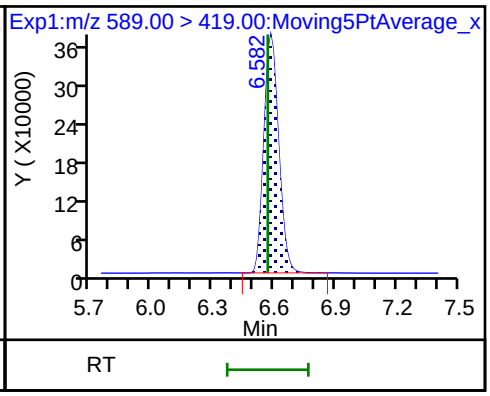
63 Perfluoroundecanoic acid



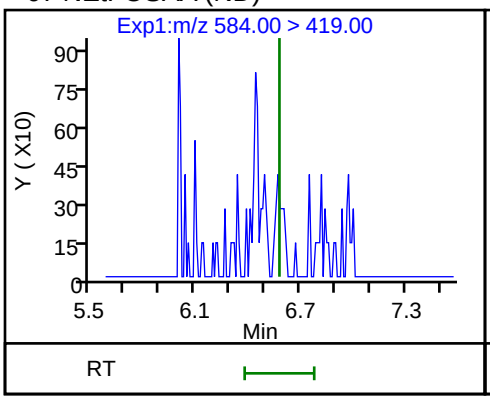
D 65 13C7 PFUnA



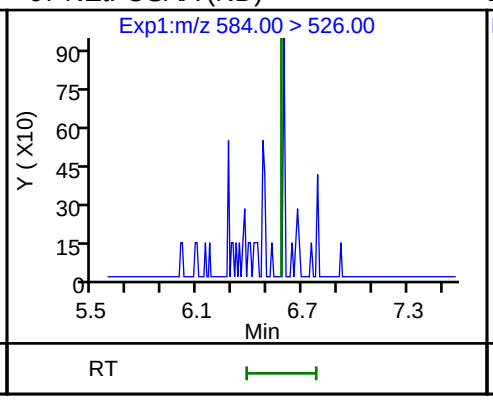
D 66 d5-NEtFOSAA



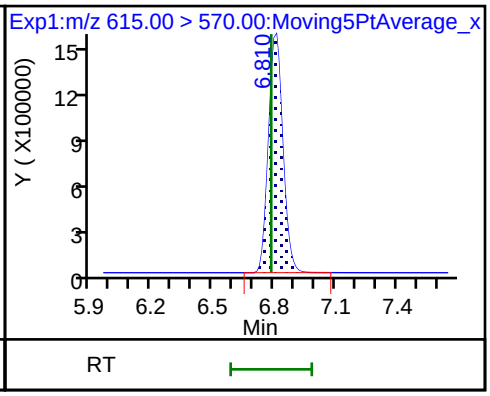
67 NEtFOSAA (ND)



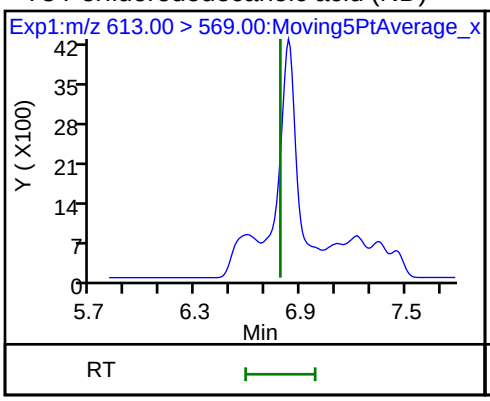
67 NEtFOSAA (ND)



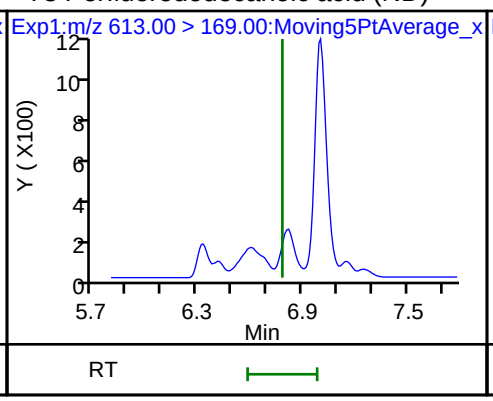
D 74 13C2-PFDoDA



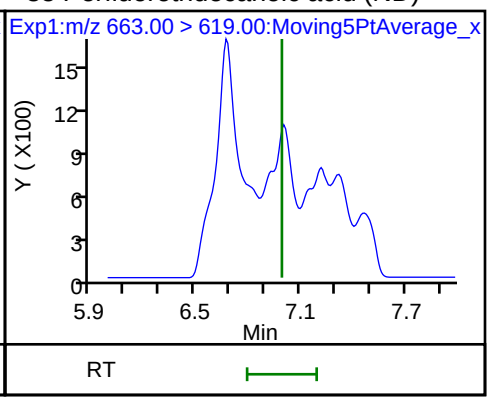
73 Perfluorododecanoic acid (ND)



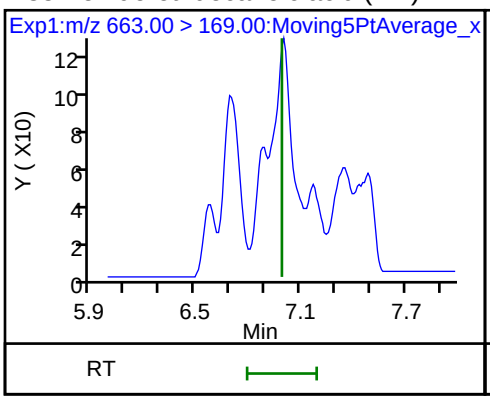
73 Perfluorododecanoic acid (ND)



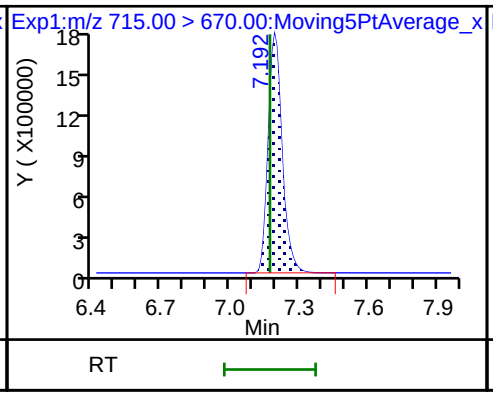
85 Perfluorotridecanoic acid (ND)



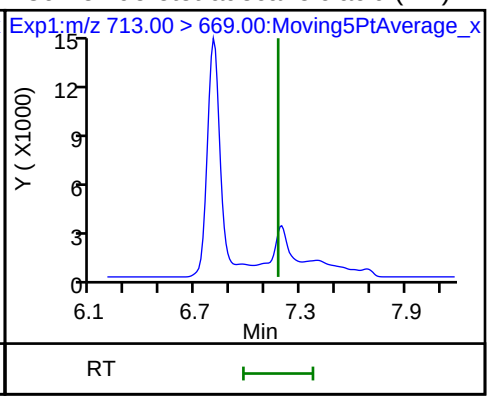
85 Perfluorotridecanoic acid (ND)



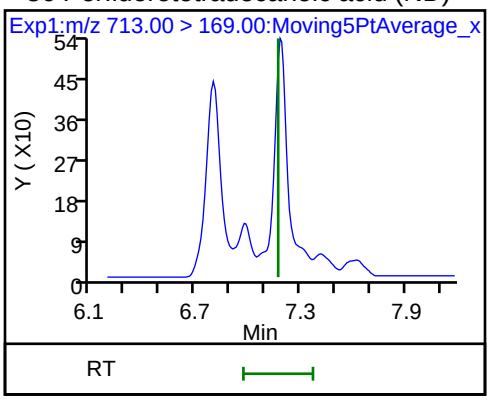
D 87 13C2 PFTeDA



86 Perfluorotetradecanoic acid (ND)



86 Perfluorotetradecanoic acid (ND)



Eurofins Lancaster Laboratories Env, LLC

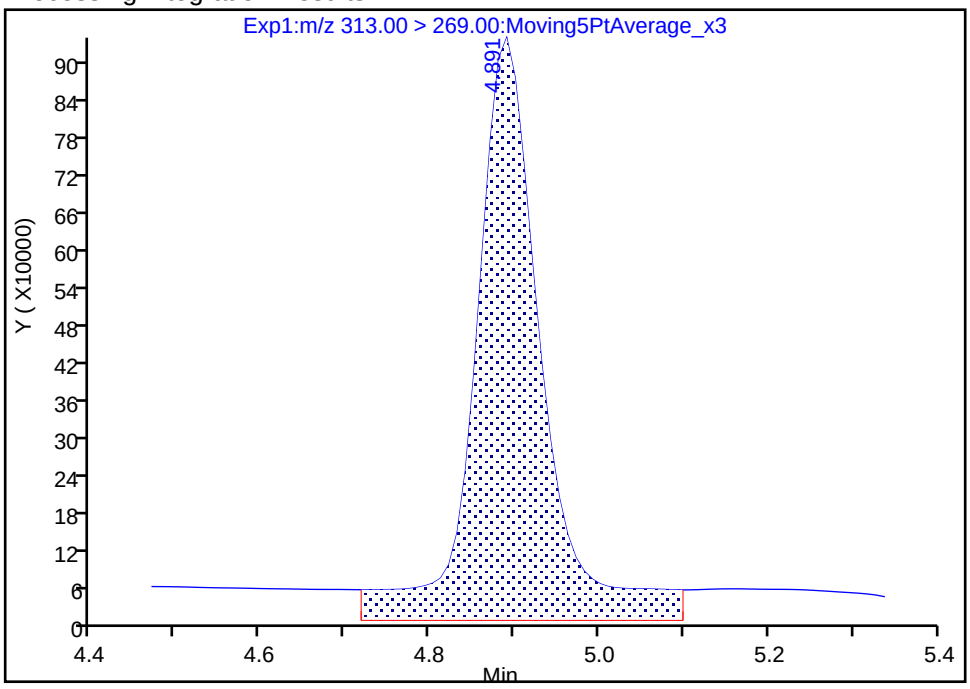
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d				
Injection Date:	22-Jul-2021 05:04:23	Instrument ID:	30733		
Lims ID:	460-239002-A-2-A	Lab Sample ID:	410-239002-2		
Client ID:	MW-3A				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	22	Worklist Smp#:	25
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

17 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

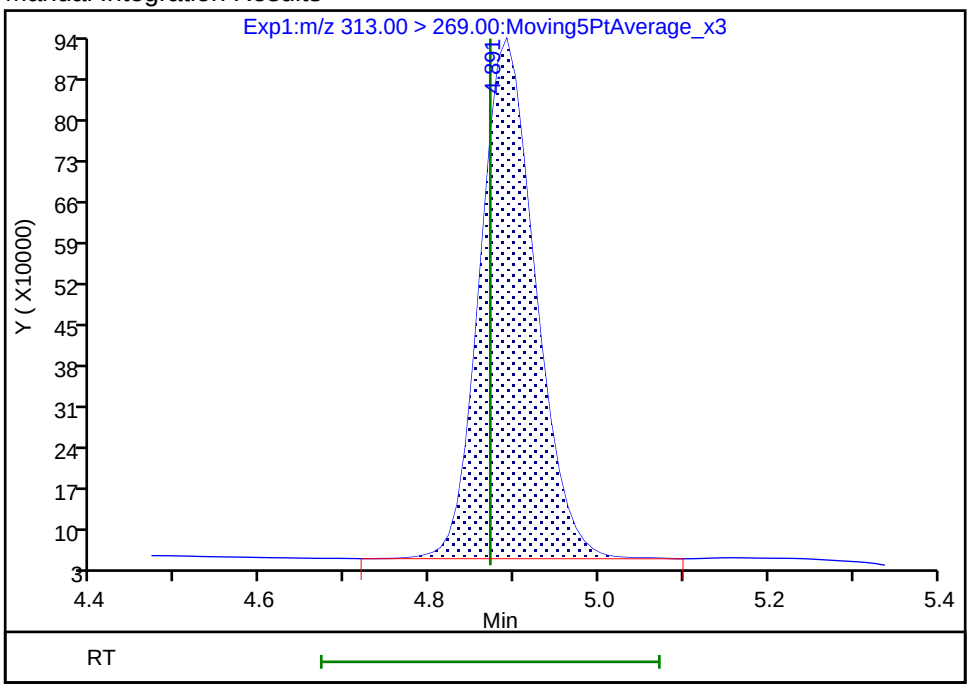
Processing Integration Results

RT: 4.89
Area: 5121790
Amount: 8.402520
Amount Units: ng/ml



Manual Integration Results

RT: 4.89
Area: 4006804
Amount: 6.573337
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:45:35
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

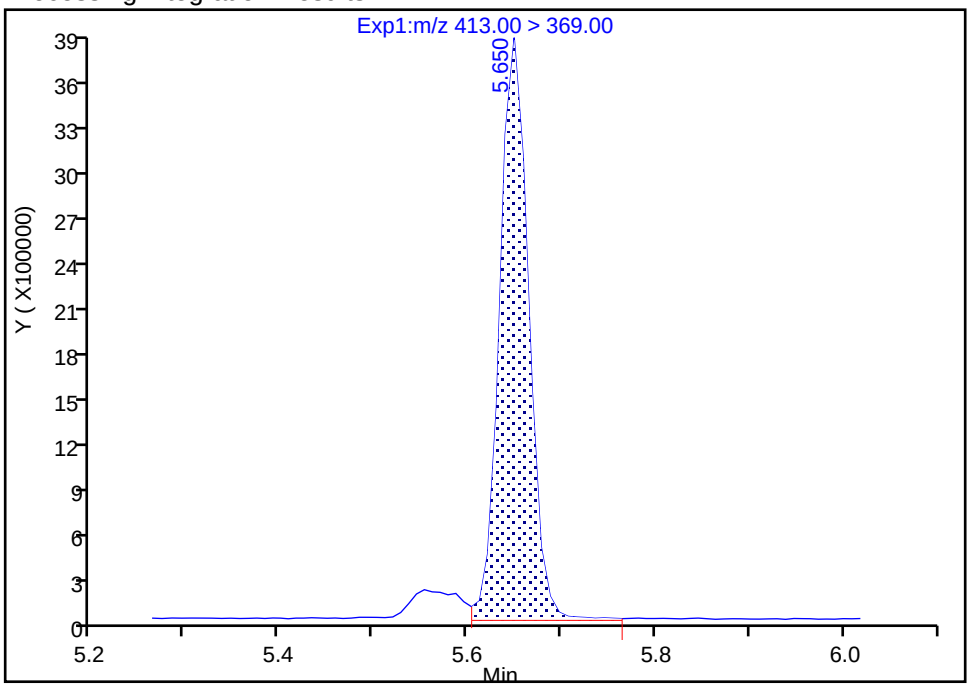
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d				
Injection Date:	22-Jul-2021 05:04:23	Instrument ID:	30733		
Lims ID:	460-239002-A-2-A	Lab Sample ID:	410-239002-2		
Client ID:	MW-3A				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	22	Worklist Smp#:	25
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

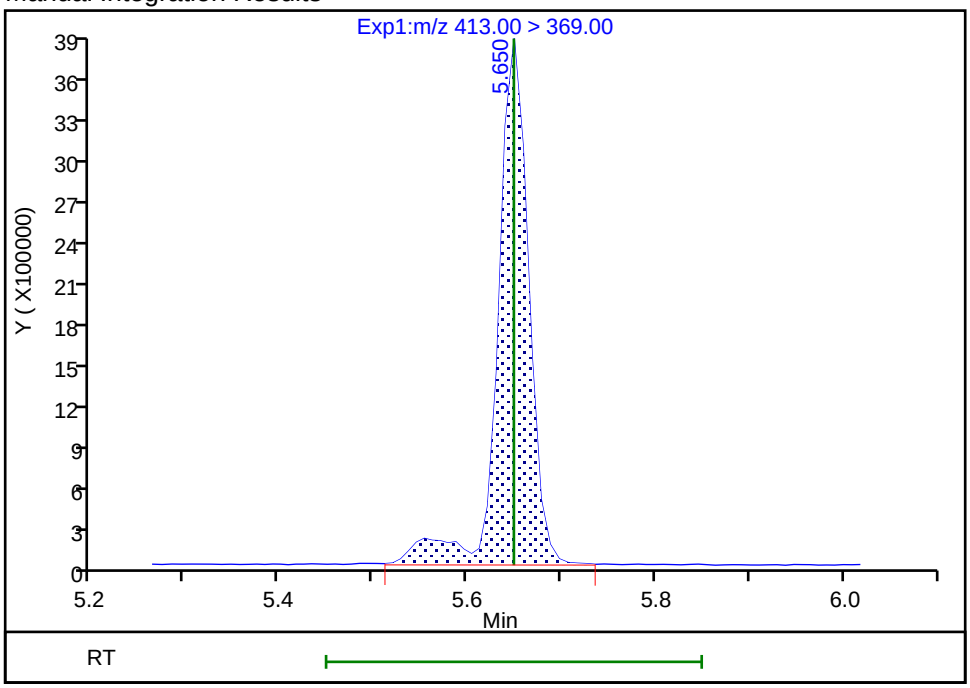
Processing Integration Results

RT: 5.65
Area: 8325327
Amount: 11.881536
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 8924595
Amount: 12.736784
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:47:23

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

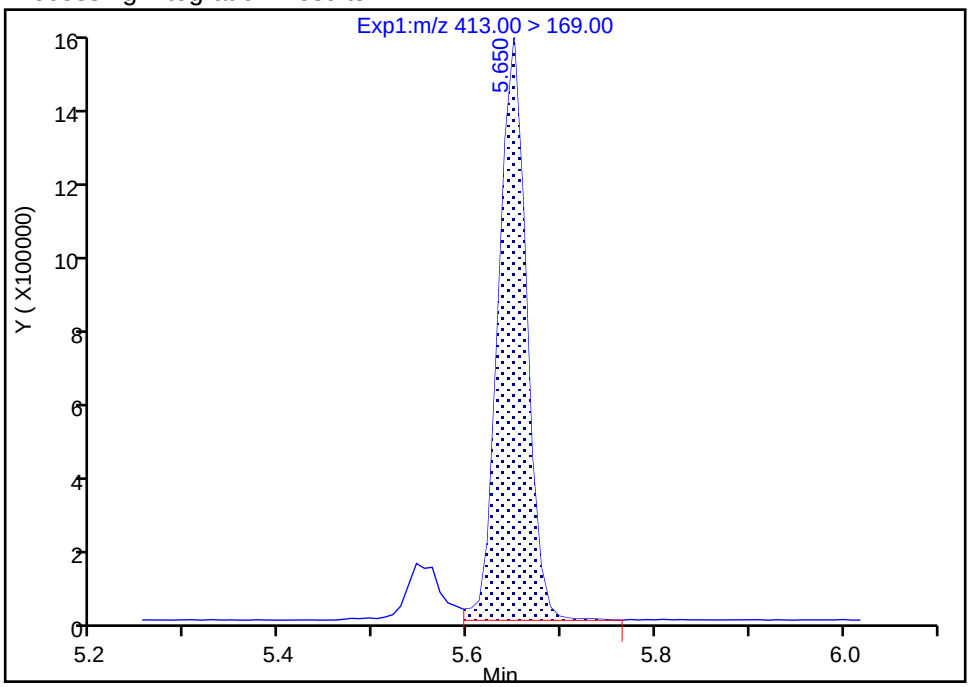
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d				
Injection Date:	22-Jul-2021 05:04:23	Instrument ID:	30733		
Lims ID:	460-239002-A-2-A	Lab Sample ID:	410-239002-2		
Client ID:	MW-3A				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	22	Worklist Smp#:	25
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

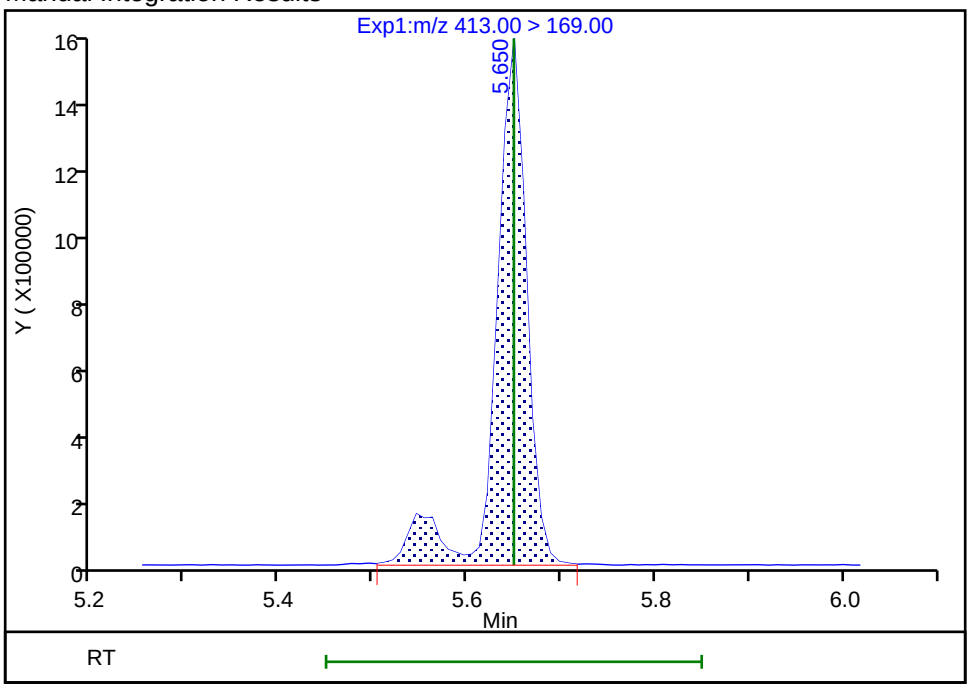
Processing Integration Results

RT: 5.65
Area: 3163128
Amount: 11.881536
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 3532809
Amount: 12.736784
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:48:51
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

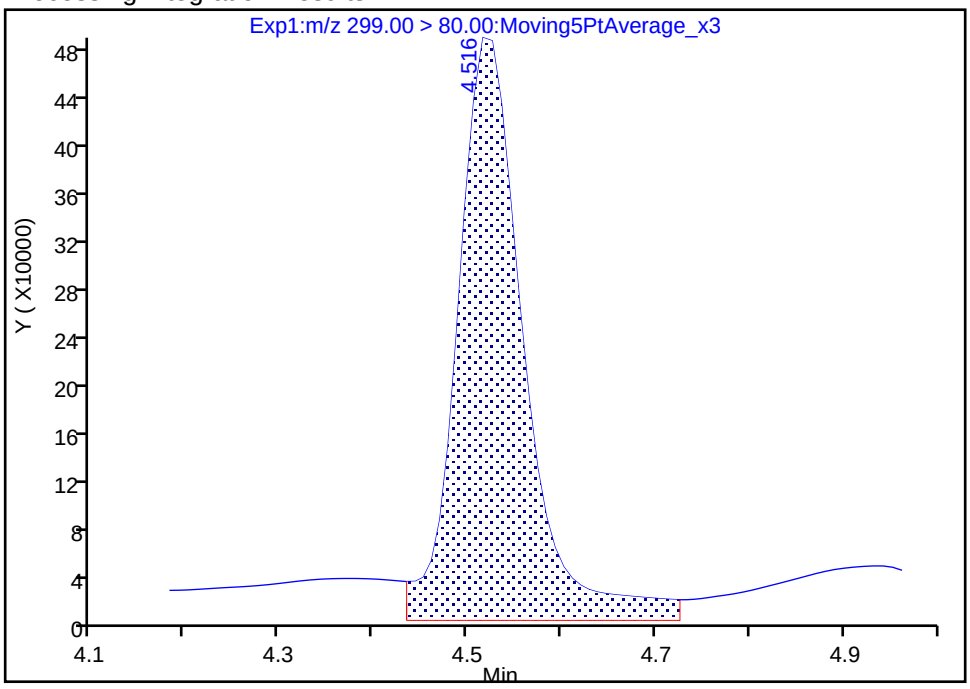
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d				
Injection Date:	22-Jul-2021 05:04:23	Instrument ID:	30733		
Lims ID:	460-239002-A-2-A	Lab Sample ID:	410-239002-2		
Client ID:	MW-3A				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	22	Worklist Smp#:	25
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

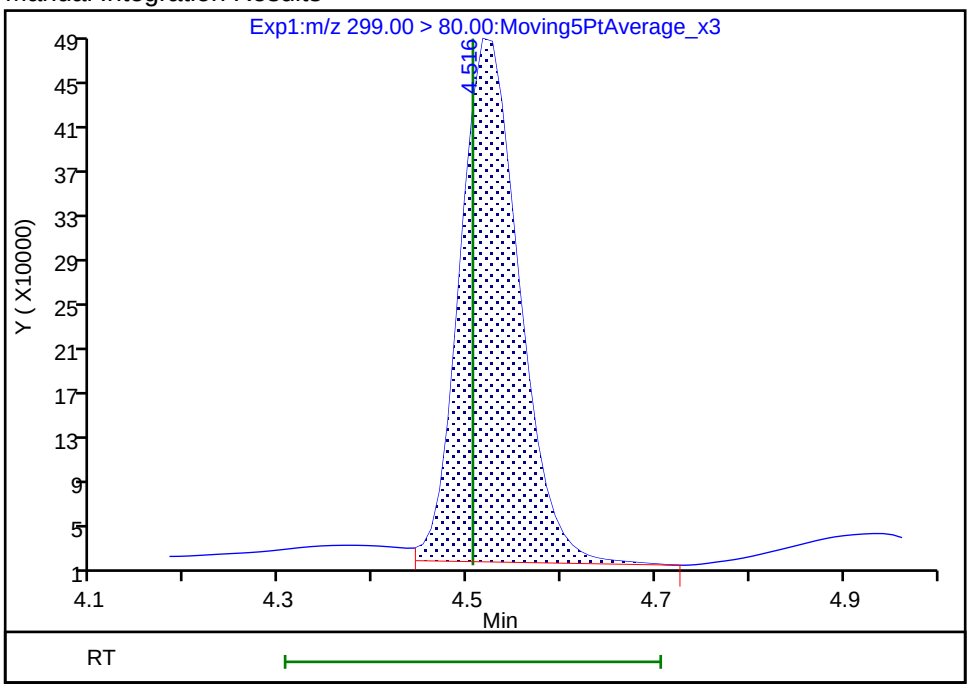
Processing Integration Results

RT: 4.52
Area: 2386865
Amount: 4.536635
Amount Units: ng/ml



Manual Integration Results

RT: 4.52
Area: 2044020
Amount: 3.885001
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:44:55

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

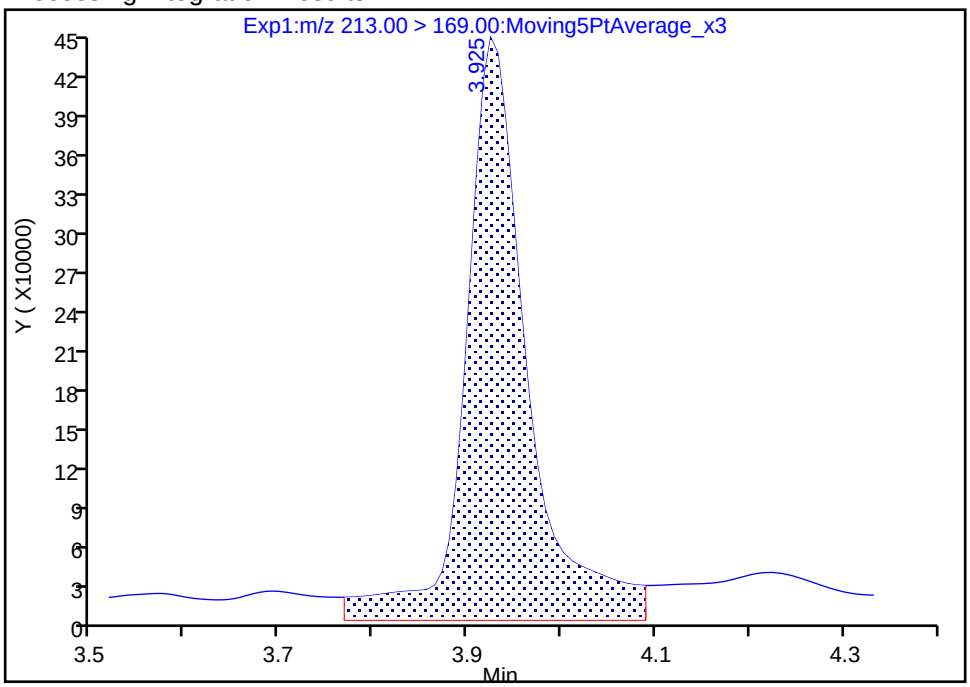
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d				
Injection Date:	22-Jul-2021 05:04:23	Instrument ID:	30733		
Lims ID:	460-239002-A-2-A	Lab Sample ID:	410-239002-2		
Client ID:	MW-3A				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	22	Worklist Smp#:	25
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

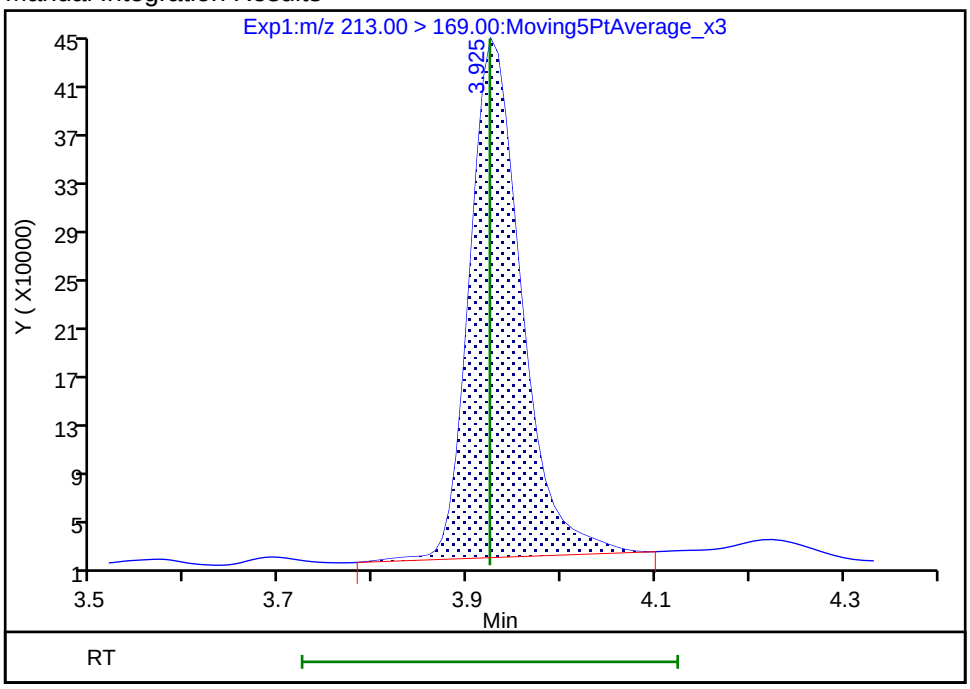
Processing Integration Results

RT: 3.92
Area: 2030409
Amount: 4.454815
Amount Units: ng/ml



Manual Integration Results

RT: 3.92
Area: 1609391
Amount: 3.531081
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:43:53

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

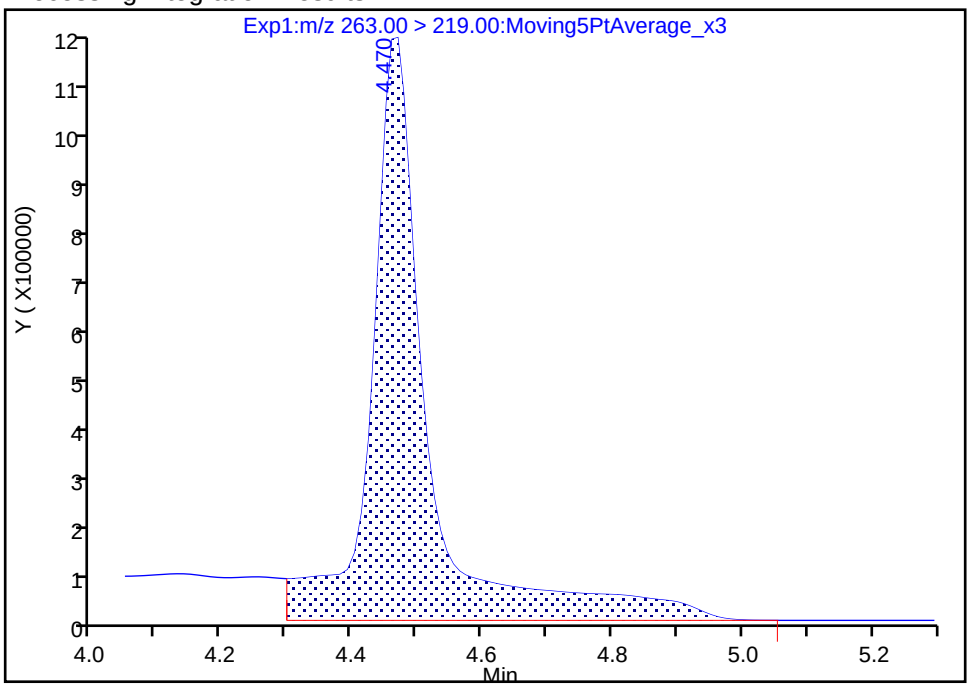
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-25.d				
Injection Date:	22-Jul-2021 05:04:23	Instrument ID:	30733		
Lims ID:	460-239002-A-2-A	Lab Sample ID:	410-239002-2		
Client ID:	MW-3A				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	22	Worklist Smp#:	25
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

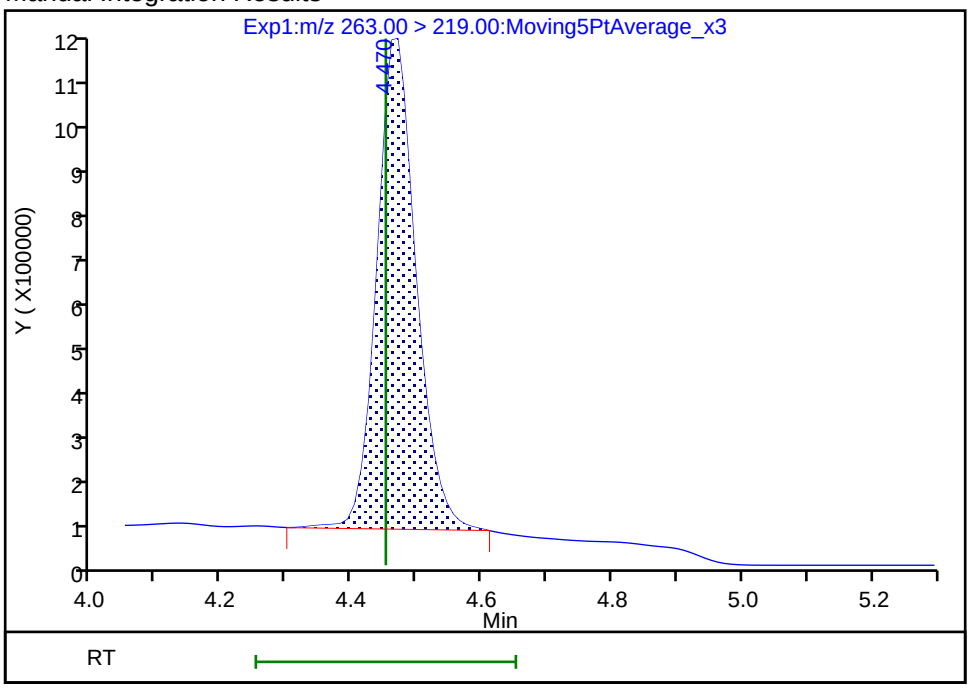
Processing Integration Results

RT: 4.47
Area: 6961021
Amount: 11.936620
Amount Units: ng/ml



Manual Integration Results

RT: 4.47
Area: 4468747
Amount: 7.662918
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:44:42

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-XX Lab Sample ID: 460-239002-3

Matrix: Water Lab File ID: 21JUL21-26.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 12:35

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 276.3(mL) Date Analyzed: 07/22/2021 05:15

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	23.8		1.81	0.45
375-85-9	Perfluoroheptanoic acid	19.7		1.81	0.45
335-67-1	Perfluorooctanoic acid	45.8		1.81	0.45
375-95-1	Perfluorononanoic acid	13.3		1.81	0.45
335-76-2	Perfluorodecanoic acid	6.60		1.81	0.45
72629-94-8	Perfluorotridecanoic acid	1.81	U	1.81	0.45
376-06-7	Perfluorotetradecanoic acid	1.81	U	1.81	0.45
375-73-5	Perfluorobutanesulfonic acid	14.4		1.81	0.45
355-46-4	Perfluorohexanesulfonic acid	20.4		1.81	0.45
1763-23-1	Perfluorooctanesulfonic acid	236	B	1.81	0.45
2991-50-6	NEtFOSAA	2.71	U	2.71	0.45
2355-31-9	NMeFOSAA	1.81	U	1.81	0.54
375-92-8	Perfluoroheptanesulfonic acid	1.95		1.81	0.45
335-77-3	Perfluorodecanesulfonic acid	1.81	U	1.81	0.45
754-91-6	Perfluorooctanesulfonamide	1.81	U	1.81	0.45
375-22-4	Perfluorobutanoic acid	13.8		4.52	1.81
2058-94-8	Perfluoroundecanoic acid	1.81	U	1.81	0.45
307-55-1	Perfluorododecanoic acid	1.81	U	1.81	0.45
27619-97-2	6:2 Fluorotelomer sulfonic acid	4.52	U	4.52	1.81
39108-34-4	8:2 Fluorotelomer sulfonic acid	2.71	U	2.71	0.90
2706-90-3	Perfluoropentanoic acid	30.5		1.81	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-XX Lab Sample ID: 460-239002-3

Matrix: Water Lab File ID: 21JUL21-26.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 12:35

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 276.3(mL) Date Analyzed: 07/22/2021 05:15

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	143		34-182
STL02279	M2-6:2 FTS	170		29-189
STL02577	13C5 PFHxA	82		31-142
STL01892	13C4 PFHpA	92		30-144
STL01052	13C8 PFOA	87		49-127
STL02578	13C9 PFNA	103		47-136
STL02579	13C6 PFDA	97		47-128
STL02580	13C7 PFUnA	113		40-135
STL02703	13C2-PFDoDA	92		28-136
STL02116	13C2 PFTeDA	83		10-144
STL02337	13C3 PFBS	124		19-178
STL02581	13C3 PFHxS	85		32-145
STL01054	13C8 PFOS	93		49-126
STL02118	d3-NMeFOSAA	86		32-151
STL02117	d5-NEtFOSAA	131		37-164
STL01056	13C8 FOSA	77		10-143
STL00992	13C4 PFBA	95		41-132
STL01893	13C5 PFPeA	115		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d
Lims ID: 460-239002-A-3-A
Client ID: MW-XX
Sample Type: Client
Inject. Date: 22-Jul-2021 05:15:28 ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-3-A
Misc. Info.: Plate: 1 Rack: 1 410-0034909-026
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 16:58:54 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 16:52:55
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.932	3.924	0.008	1.000	5283457	9.47		94.7	141037	
2 Perfluorobutanoic acid										M
213.00 > 169.00	3.932	3.924	0.008	1.000	1742941	3.83			657	M
* 4 13C3-PFBA										
216.00 > 172.00	3.932	3.924	0.008		2483353	5.00			6690	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.461	4.452	0.009	0.998	4739471	8.42			650	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.470	4.461	0.010	1.137	5960567	11.5		115	44046	
10 Perfluorobutanesulfonic acid										M
299.00 > 80.00	4.516	4.506	0.010	0.998	2203777	3.99	Target=3.13		650	M
299.00 > 99.00	4.516	4.506	0.010	0.998	693719		3.18(1.57-4.70)		1605	
D 11 13C3 PFBS										
302.00 > 80.00	4.526	4.515	0.011	1.151	4993747	11.5		124	6173	
17 Perfluorohexanoic acid										M
313.00 > 269.00	4.890	4.871	0.019	1.000	4041598	6.58	Target=14.88		680	M
313.00 > 119.00	4.890	4.871	0.019	1.000	279817		14.44(7.44-22.32)		2696	
D 19 13C5 PFHxA										
318.00 > 273.00	4.890	4.881	0.009	0.866	8136086	8.21		82.1	75892	
D 25 13C3 PFHxS										
402.00 > 80.00	5.285	5.274	0.011	0.935	5623832	8.05		85.1	28159	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.274	0.011	0.935	9300526	9.16		91.6	199034	
23 Perfluoroheptanoic acid										M
363.00 > 319.00	5.285	5.274	0.011	1.000	5221496	5.44	Target=3.85		2033	M
363.00 > 169.00	5.285	5.274	0.011	1.000	1435320		3.64(1.93-5.78)		18729	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.285	5.274	0.011	1.000	3284983	5.63	Target=3.51		53266	
399.00 > 99.00	5.285	5.274	0.011	1.000	903146		3.64(1.75-5.26)		210358	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.640	5.621	0.019	0.998	434478	16.2		170	6811	
34 6:2 FTS										
427.00 > 407.00	5.631	5.621	0.010	0.998	7874	0.0366	Target=1.43		317	
427.00 > 81.00	5.631	5.621	0.010	0.998	7307		1.08(0.72-2.15)		33.5	
36 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	5.640	5.630	0.010	1.067	285183	0.5378	Target=3.86		436	M
449.00 > 99.00	5.640	5.630	0.010	1.067	78152		3.65(1.93-5.79)		994	
D 37 13C8 PFOA										
421.00 > 376.00	5.650	5.640	0.010	1.000	9558192	8.68		86.8	220003	
* 38 13C2 PFOA										
415.00 > 370.00	5.650	5.640	0.010		4034272	5.00			132919	
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.659	5.649	0.010	1.002	9043672	12.7	Target=2.48		77769	M
413.00 > 169.00	5.650	5.649	0.001	1.000	3926497		2.30(1.24-3.72)		185593	M
D 41 13C8 PFOS										
507.00 > 80.00	5.973	5.963	0.010	1.000	5398052	8.87		92.8	23045	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.973	5.963	0.010	1.000	40314328	65.3	Target=4.45		13298040	
499.00 > 99.00	5.973	5.963	0.010	1.000	8750493		4.61(2.23-6.68)		1880219	
* 42 13C4 PFOS										
503.00 > 80.00	5.973	5.963	0.010		2817535	4.78			15554	
D 45 13C9 PFNA										
472.00 > 427.00	5.990	5.981	0.009	1.003	8730420	10.3		103	261363	
44 Perfluorononanoic acid										
463.00 > 419.00	5.990	5.981	0.009	1.000	2761676	3.67	Target=4.83		5023	
463.00 > 169.00	5.990	5.981	0.009	1.000	582284		4.74(2.42-7.25)		19847	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.300	6.280	0.020	1.000	1764423	1.82	Target=10.20		7106	
513.00 > 169.00	6.291	6.280	0.011	0.999	180043		9.80(5.10-15.29)		4820	
D 54 13C6 PFDA										
519.00 > 474.00	6.300	6.289	0.011	1.000	11077434	9.67		96.7	530445	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.300	6.289	0.011	1.000	267851	13.7		143	10512	
56 8:2 FTS										
527.00 > 507.00		6.289				ND				
527.00 > 81.00		6.289								
* 55 13C2 PFDA										
515.00 > 470.00	6.300	6.289	0.011		6024130	5.00			288617	
D 59 13C8 FOSA										
506.00 > 78.00	6.399	6.375	0.024	1.016	8761503	7.74		77.4	144478	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.389	6.375	0.014	0.998	81322	0.0938			211	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.441	6.429	0.013	1.022	1781079	8.57		85.7	63750	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
60 NMeFOSAA										
570.00 > 419.00		6.439				ND				
570.00 > 483.00		6.439								
62 Perfluorodecanesulfonic acid										
599.00 > 80.00		6.521				ND				
599.00 > 99.00		6.521								
63 Perfluoroundecanoic acid										R
563.00 > 519.00	6.493	6.544	-0.051	0.988	4995	0.004923	Target=8.77		11.6	R
563.00 > 169.00	6.482	6.544	-0.062	0.987	4960		1.01(4.39-13.16)		181	
D 65 13C7 PFUnA										
570.00 > 525.00	6.570	6.556	0.014	1.043	12283591	11.3		113	307645	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.581	6.567	0.014	1.045	2109137	13.1		131	35039	
67 NEtFOSAA										
584.00 > 419.00		6.579				ND				
584.00 > 526.00		6.579								
D 74 13C2-PFDoDA										
615.00 > 570.00	6.810	6.784	0.026	1.081	7681309	9.19		91.9	228105	
73 Perfluorododecanoic acid										
613.00 > 569.00		6.784				ND				
613.00 > 169.00		6.784								
85 Perfluorotridecanoic acid										
663.00 > 619.00		6.993				ND				
663.00 > 169.00		6.993								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.192	7.172	0.020	1.142	7360766	8.32		83.2	251912	
86 Perfluorotetradecanoic acid										
713.00 > 669.00		7.172				ND				
713.00 > 169.00		7.172								

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- R - Failed Signal Ratio Test

Review Flags
- M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 16:59:14 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d

Injection Date: 22-Jul-2021 05:15:28 Instrument ID: 30733

Lims ID: 460-239002-A-3-A Lab Sample ID: 410-239002-3

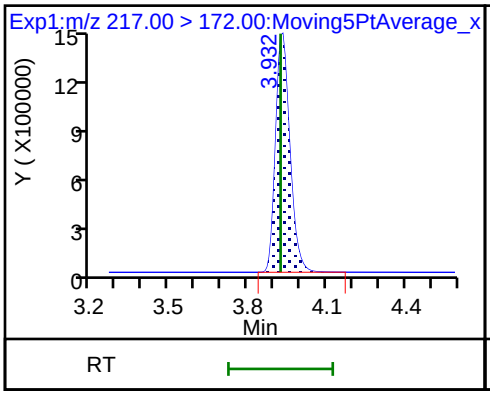
Client ID: MW-XX

Operator ID: US19_USR_INS20260 ALS Bottle#: 23 Worklist Smp#: 26

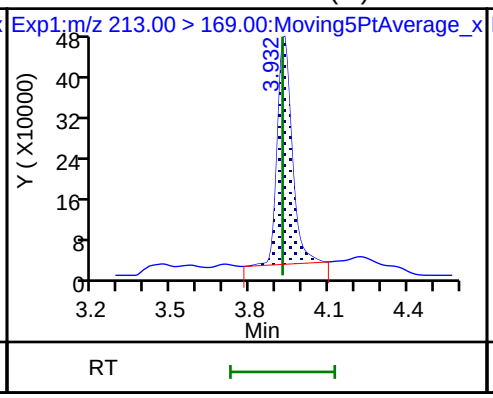
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

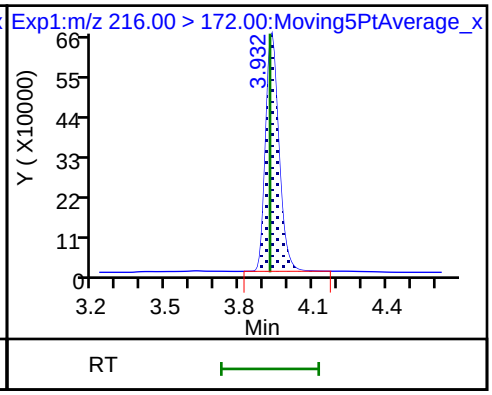
D 3 13C4 PFBA



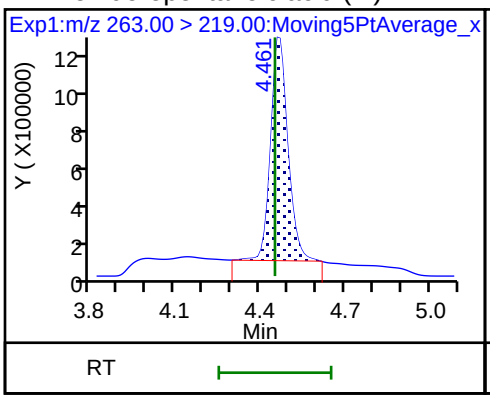
2 Perfluorobutanoic acid (M)



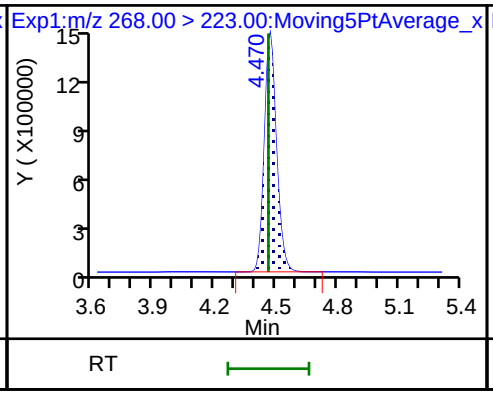
* 4 13C3-PFBA



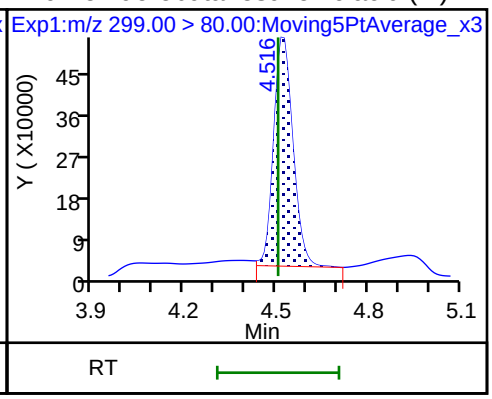
7 Perfluoropentanoic acid (M)



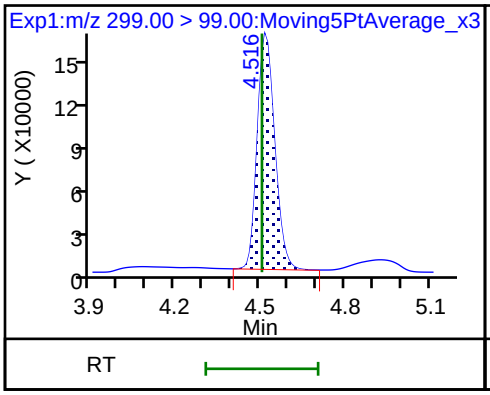
D 8 13C5 PFPeA



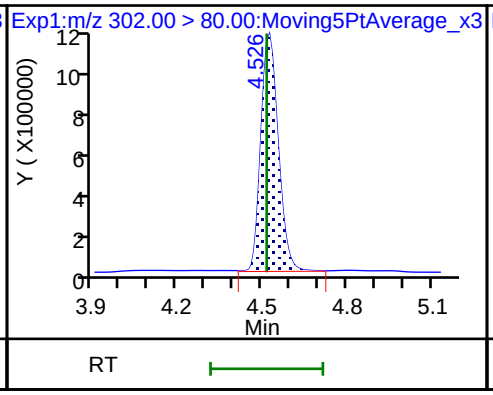
10 Perfluorobutanesulfonic acid (M)



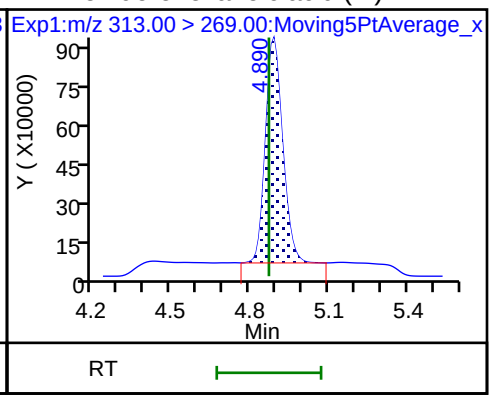
10 Perfluorobutanesulfonic acid



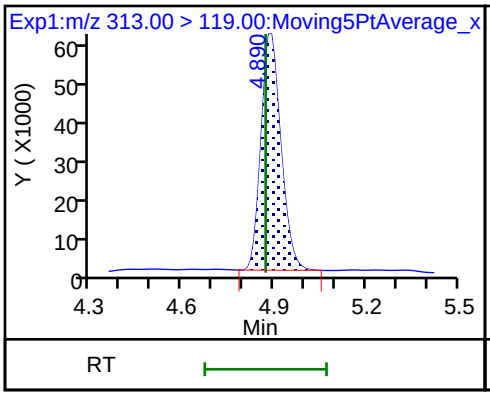
D 11 13C3 PFBS



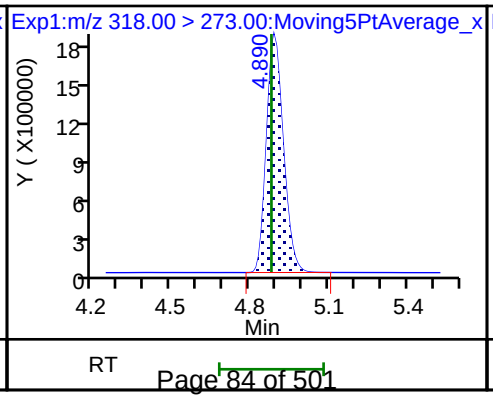
17 Perfluorohexanoic acid (M)



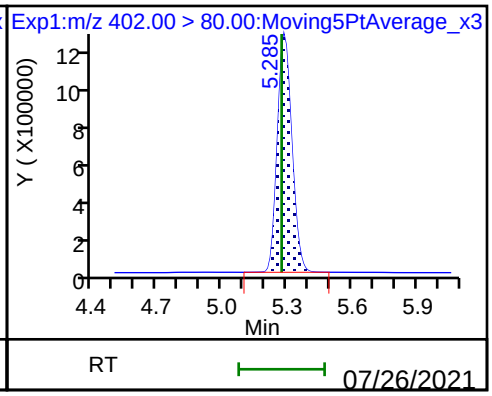
17 Perfluorohexanoic acid



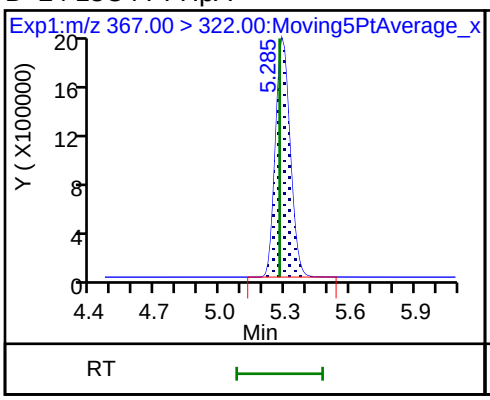
D 19 13C5 PFHxA



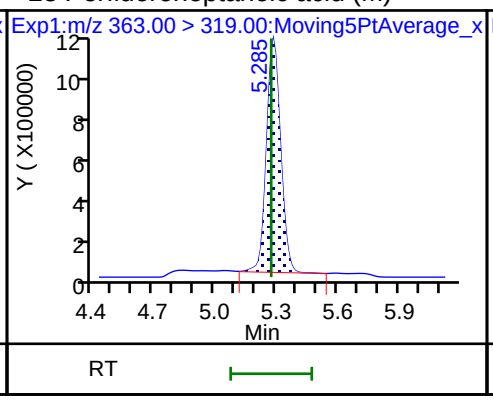
D 25 13C3 PFHxS



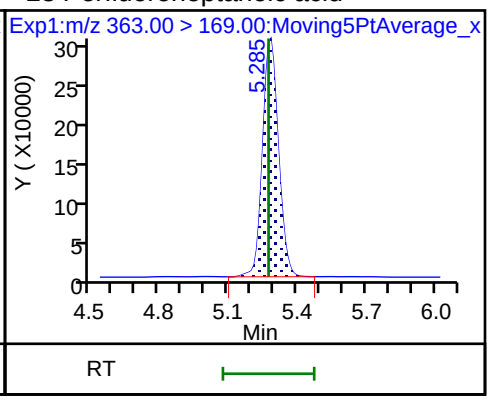
D 24 13C4 PFHpA



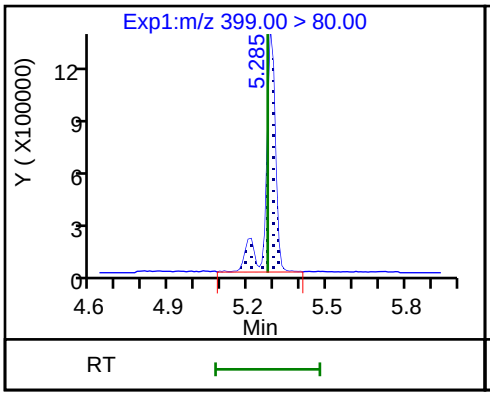
23 Perfluoroheptanoic acid (M)



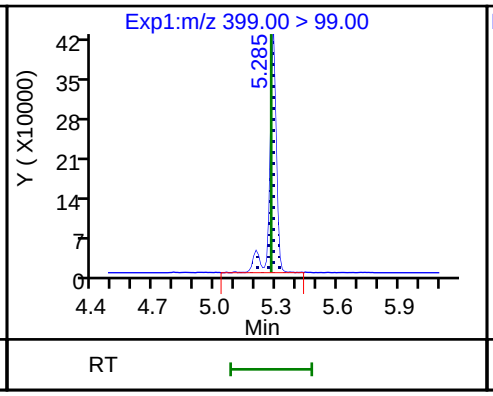
23 Perfluoroheptanoic acid



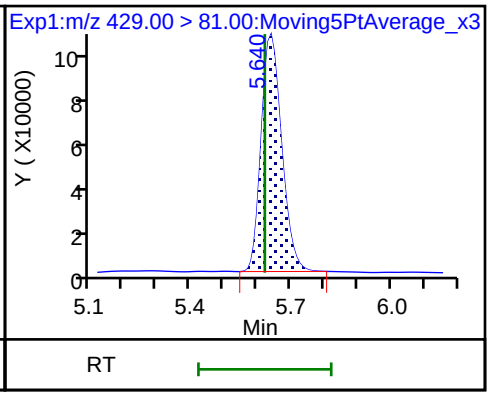
26 Perfluorohexanesulfonic acid



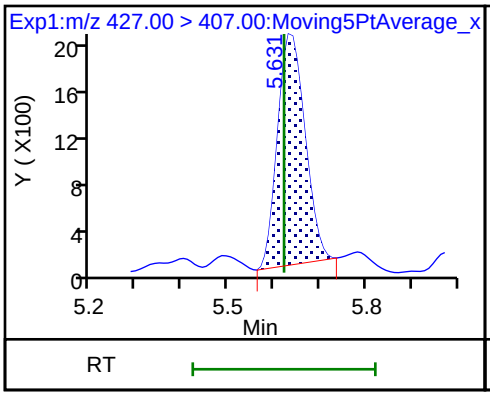
26 Perfluorohexanesulfonic acid



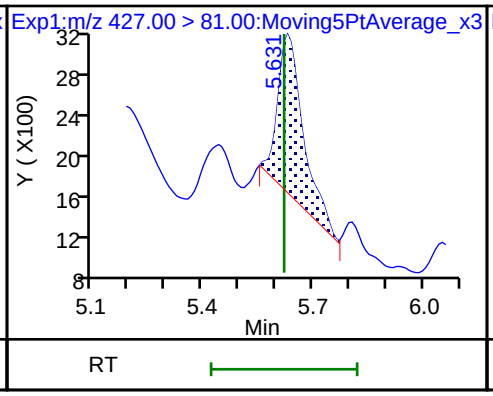
D 35 M2-6:2 FTS



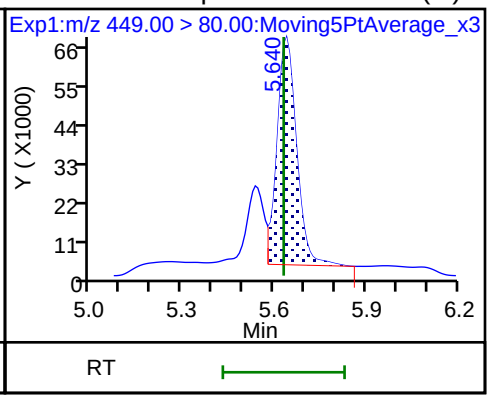
34 6:2 FTS



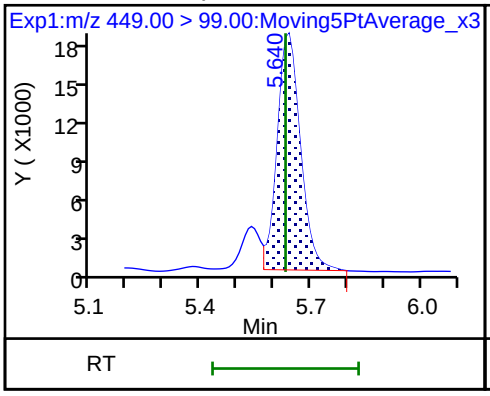
34 6:2 FTS



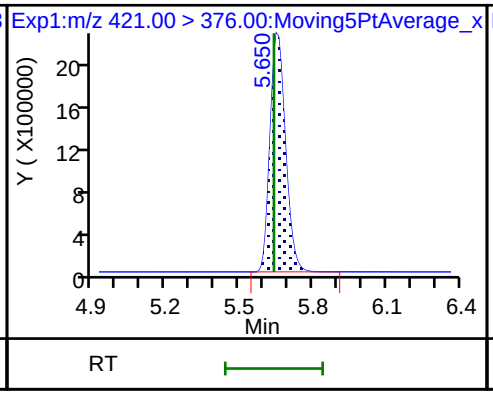
36 Perfluoroheptanesulfonic acid (M)



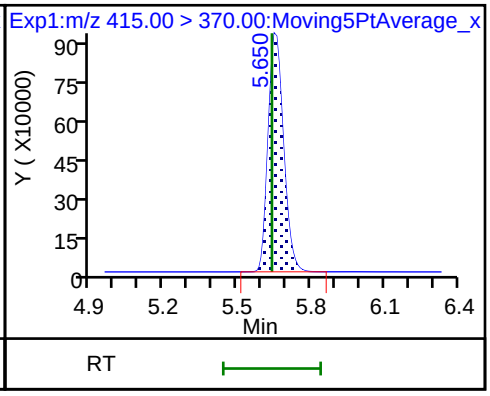
36 Perfluoroheptanesulfonic acid



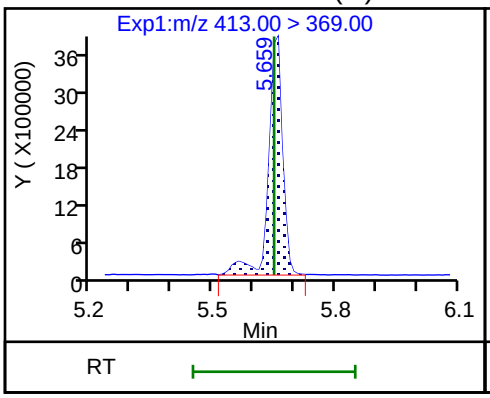
D 37 13C8 PFOA



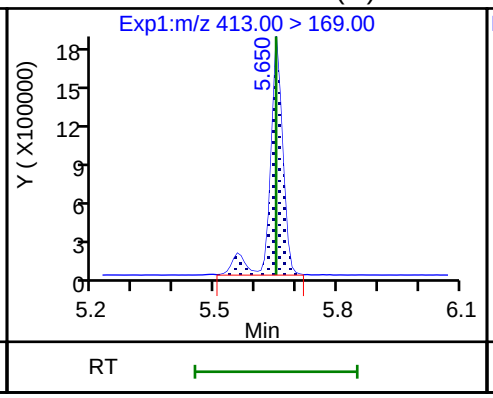
* 38 13C2 PFOA



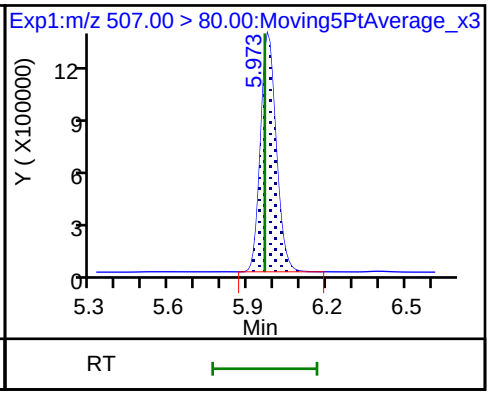
40 Perfluorooctanoic acid (M)



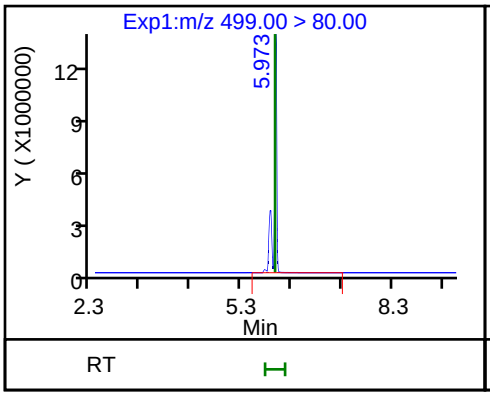
40 Perfluorooctanoic acid (M)



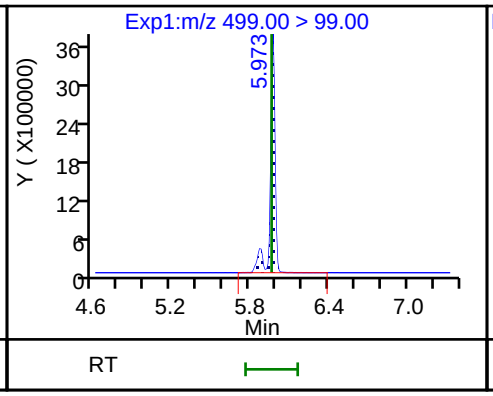
D 41 13C8 PFOS



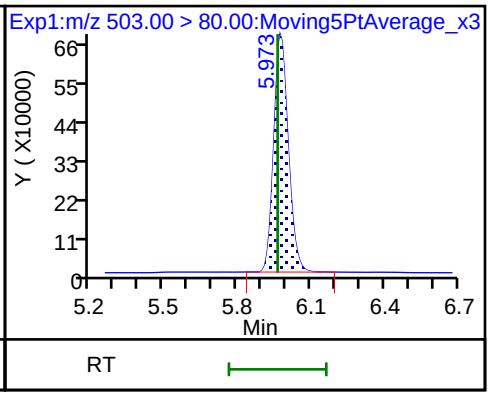
43 Perfluorooctanesulfonic acid



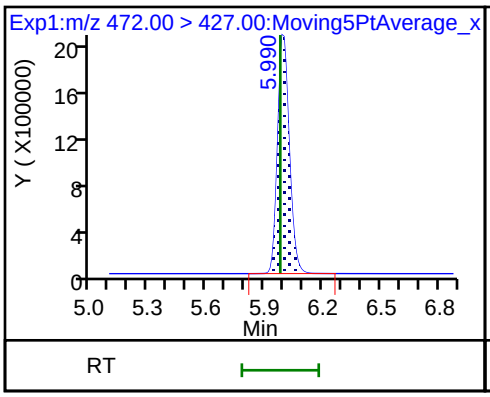
43 Perfluorooctanesulfonic acid



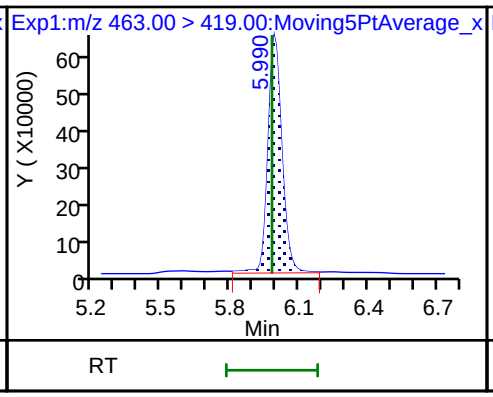
* 42 13C4 PFOS



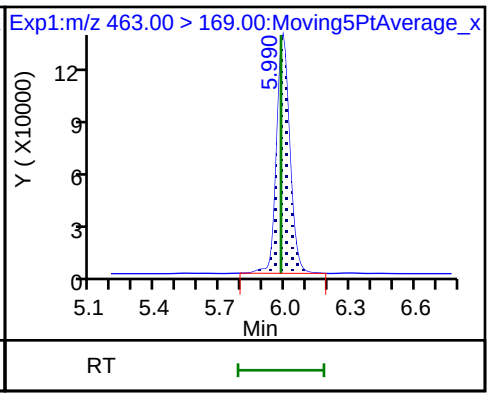
D 45 13C9 PFNA



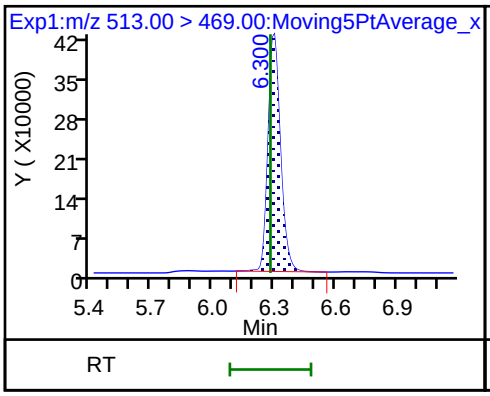
44 Perfluorononanoic acid



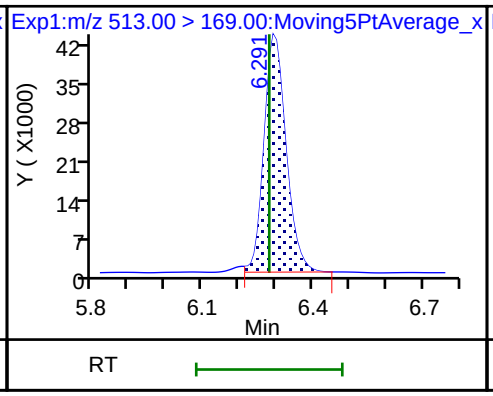
44 Perfluorononanoic acid



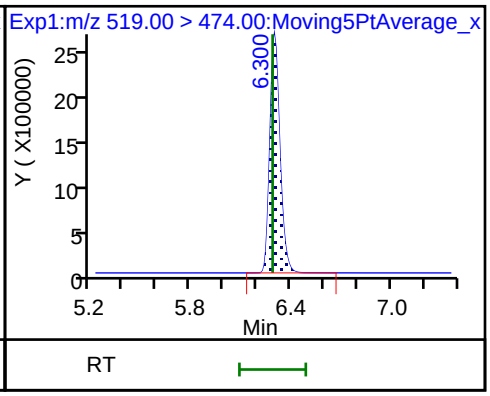
53 Perfluorodecanoic acid



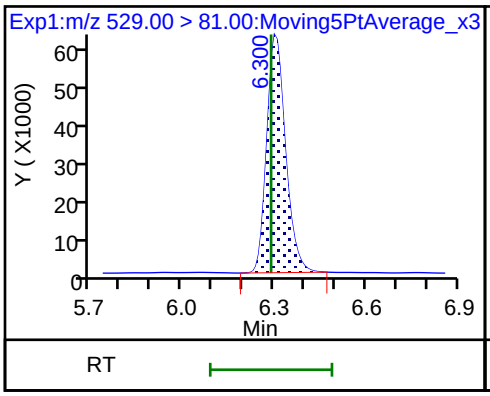
53 Perfluorodecanoic acid



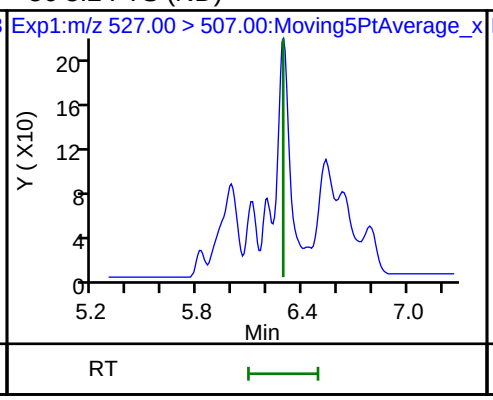
D 54 13C6 PFDA



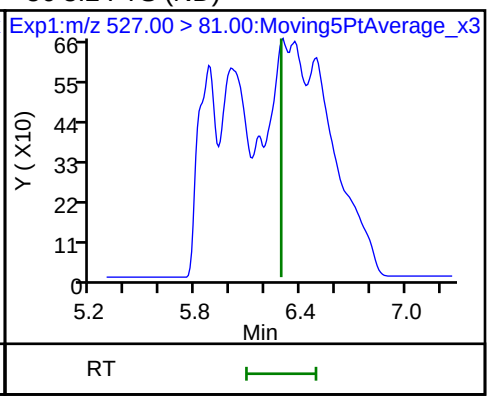
D 57 M2-8:2 FTS



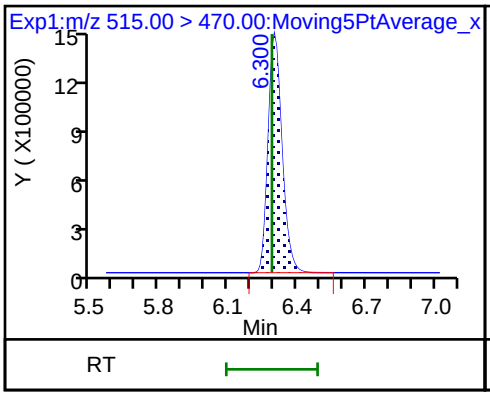
56 8:2 FTS (ND)



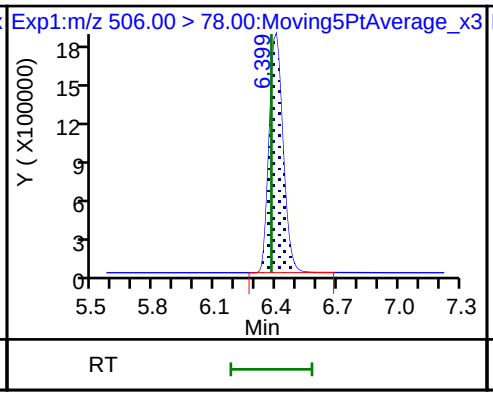
56 8:2 FTS (ND)



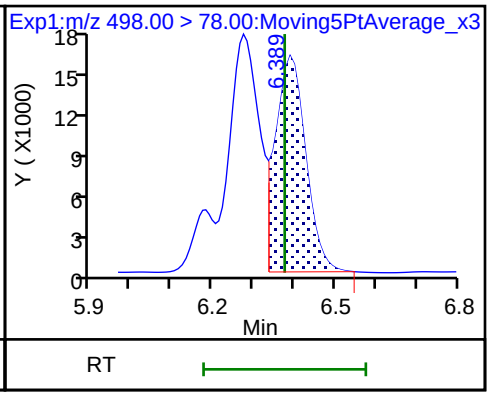
* 55 13C2 PFDA



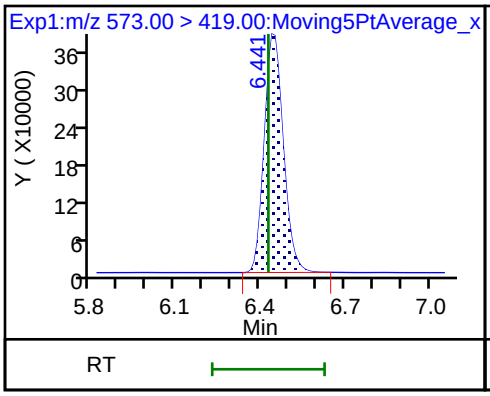
D 59 13C8 FOSA



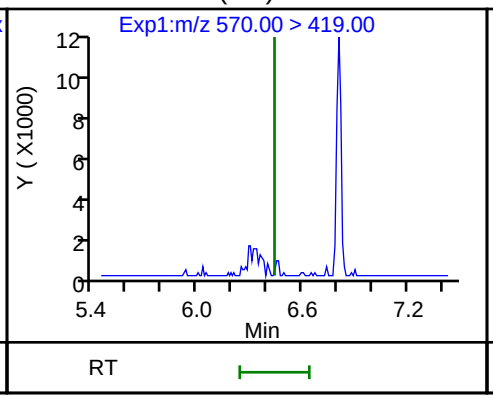
58 Perfluorooctanesulfonamide



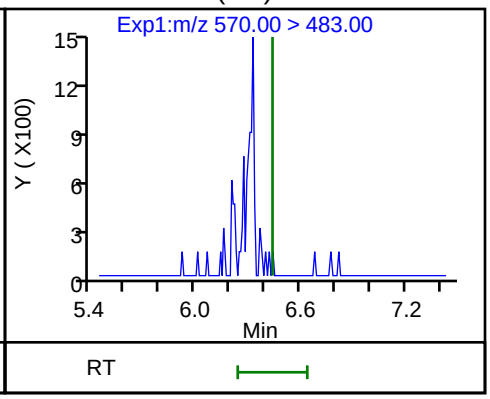
D 61 d3-NMeFOSAA



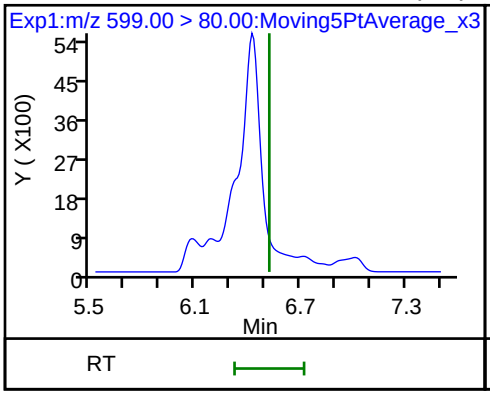
60 NMeFOSAA (ND)



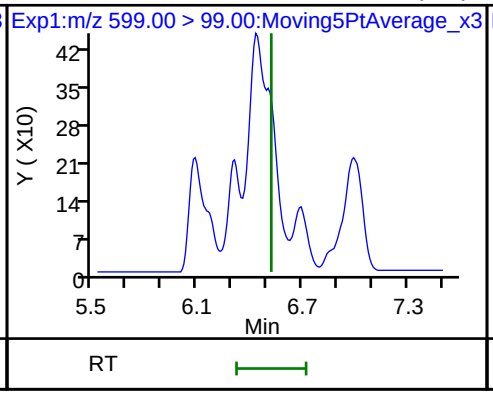
60 NMeFOSAA (ND)



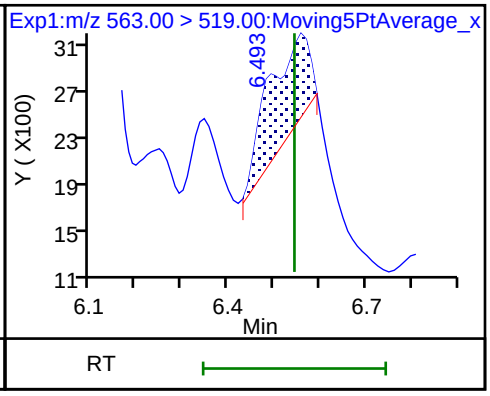
62 Perfluorodecanesulfonic acid (ND)



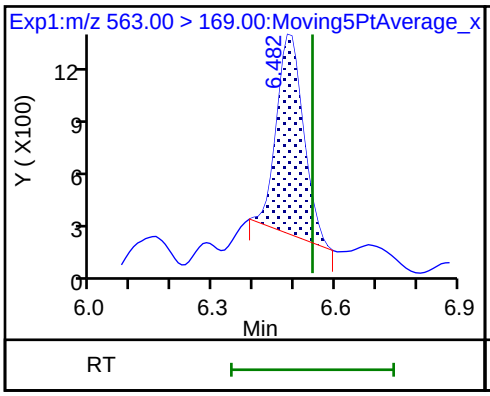
62 Perfluorodecanesulfonic acid (ND)



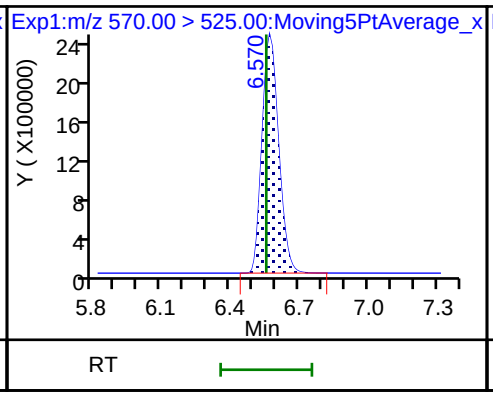
63 Perfluoroundecanoic acid



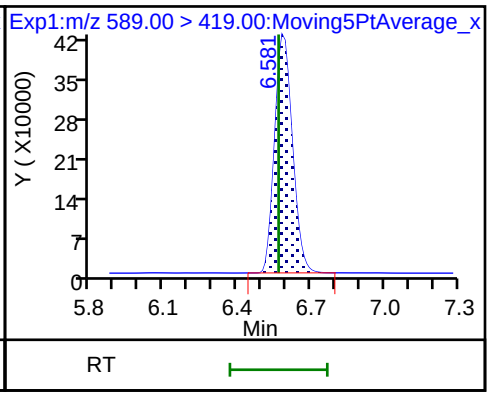
63 Perfluoroundecanoic acid



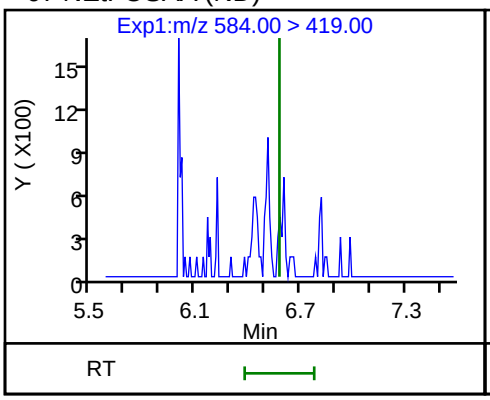
D 65 13C7 PFUnA



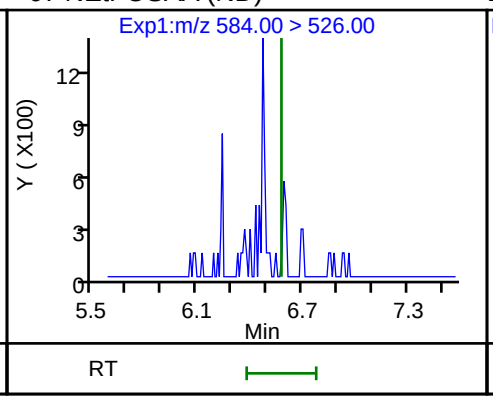
D 66 d5-NEtFOSAA



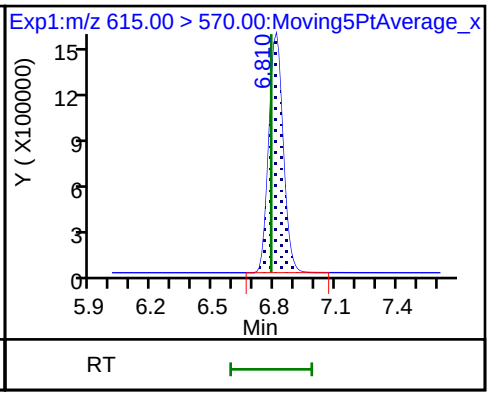
67 NEtFOSAA (ND)



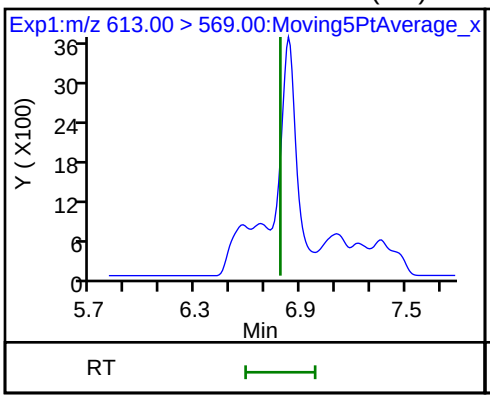
67 NEtFOSAA (ND)



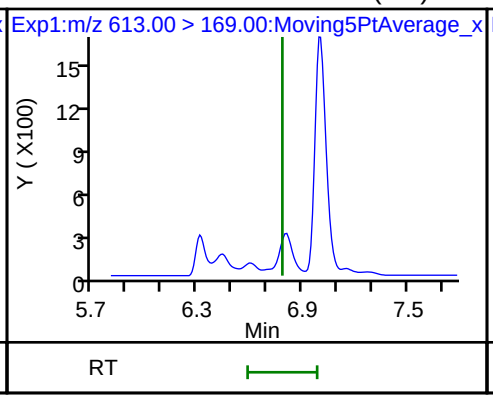
D 74 13C2-PFDoDA



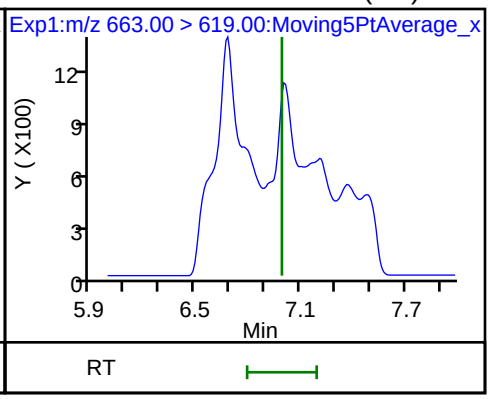
73 Perfluorododecanoic acid (ND)



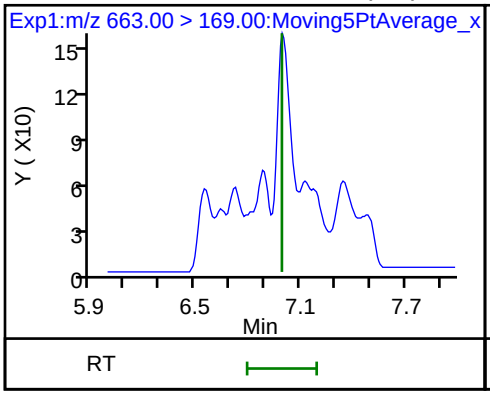
73 Perfluorododecanoic acid (ND)



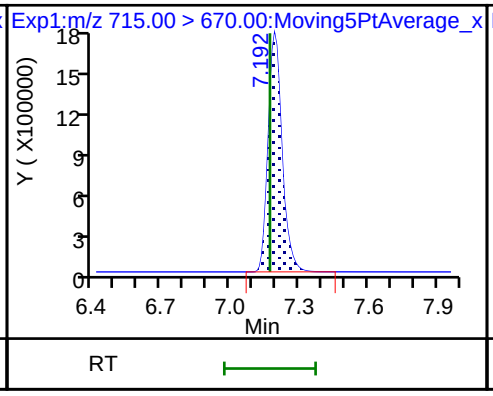
85 Perfluorotridecanoic acid (ND)



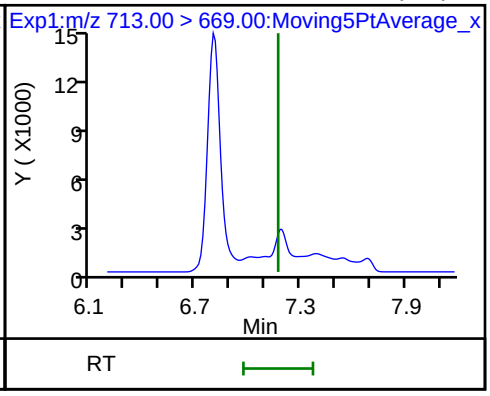
85 Perfluorotridecanoic acid (ND)



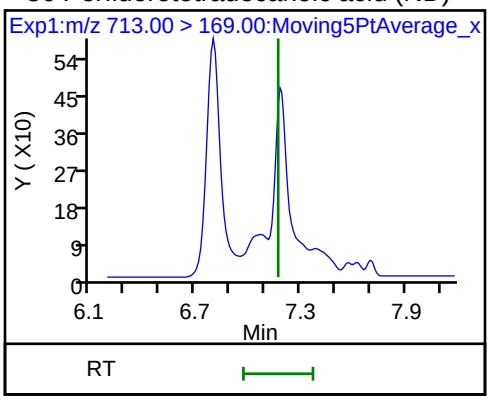
D 87 13C2 PFTeDA



86 Perfluorotetradecanoic acid (ND)



86 Perfluorotetradecanoic acid (ND)



Eurofins Lancaster Laboratories Env, LLC

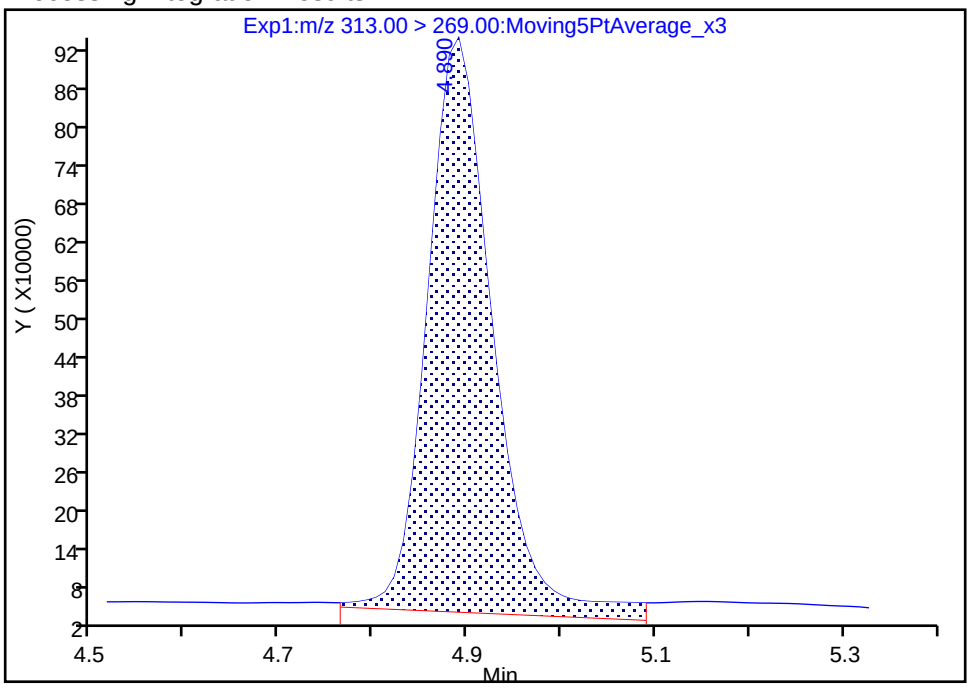
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

17 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

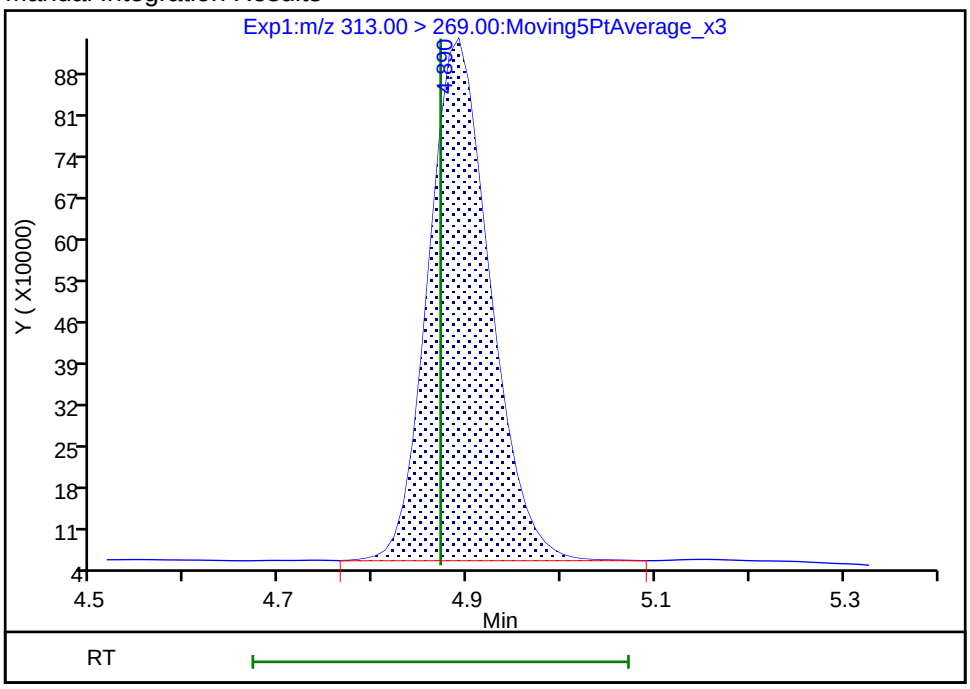
Processing Integration Results

RT: 4.89
Area: 4373338
Amount: 7.121644
Amount Units: ng/ml



Manual Integration Results

RT: 4.89
Area: 4041598
Amount: 6.581431
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:51:07
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

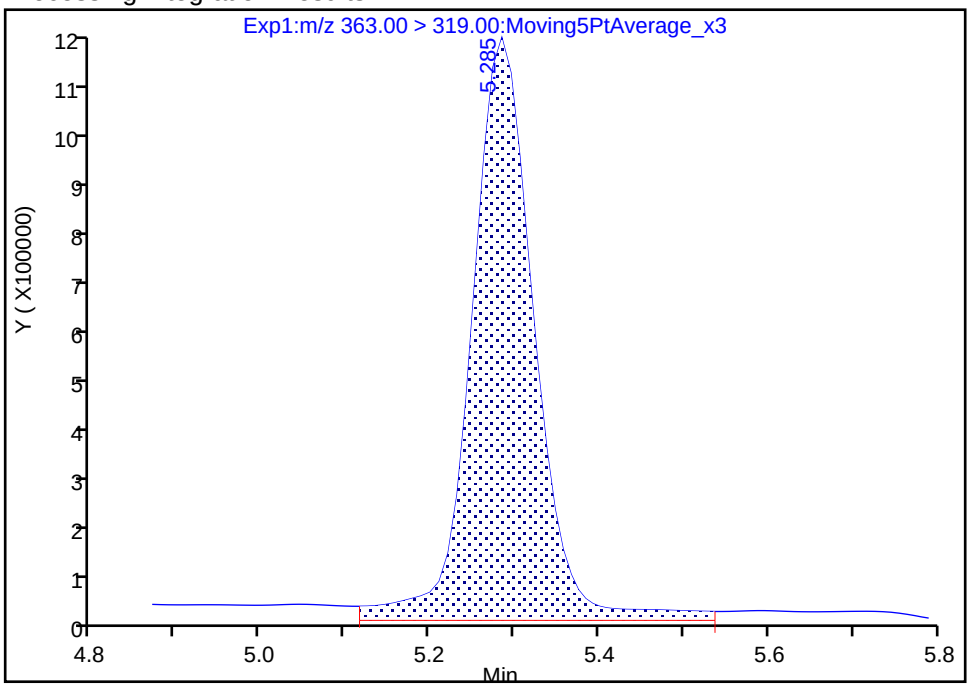
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

23 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

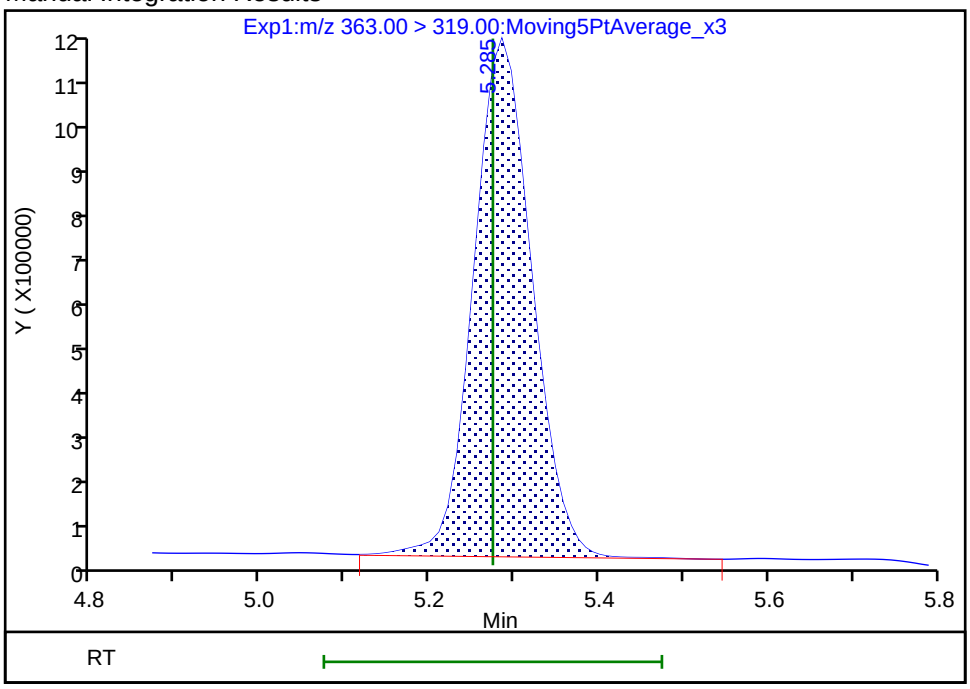
Processing Integration Results

RT: 5.28
Area: 5757216
Amount: 5.994601
Amount Units: ng/ml



Manual Integration Results

RT: 5.28
Area: 5221496
Amount: 5.436792
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:51:21
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

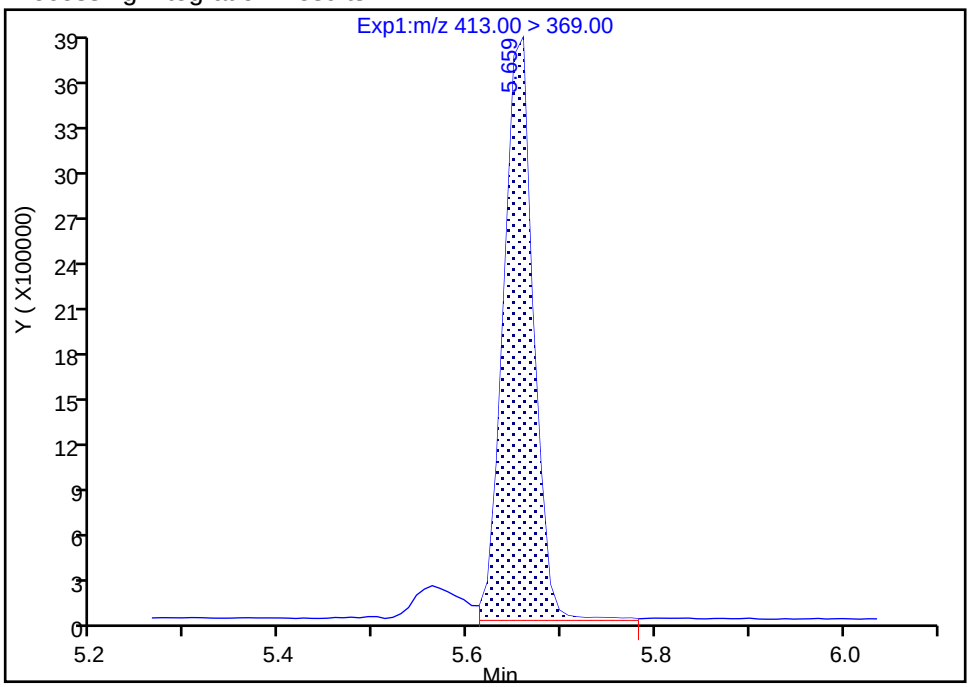
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

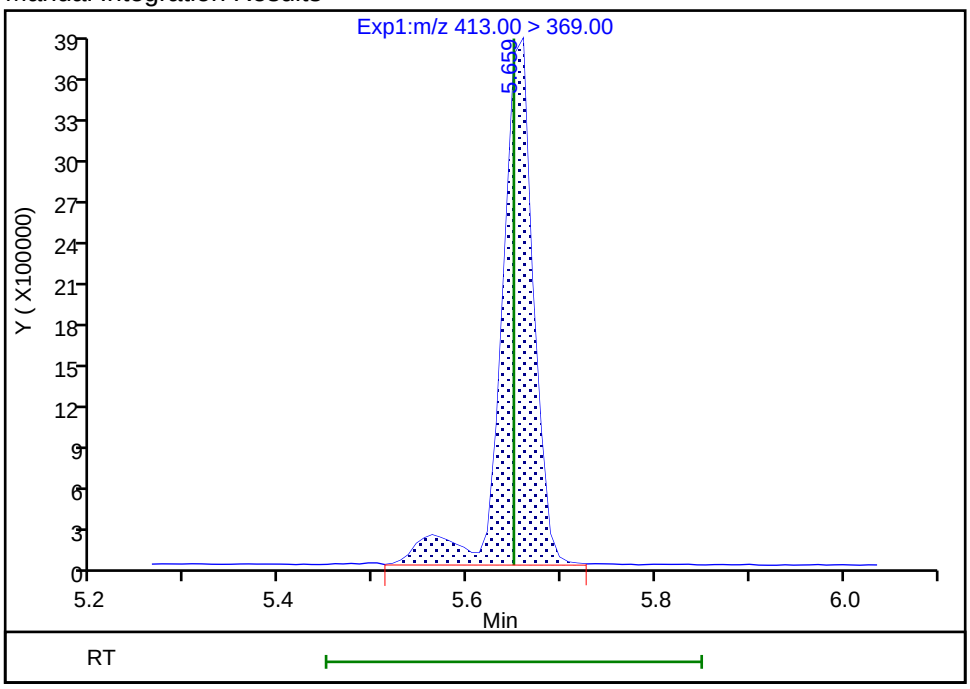
Processing Integration Results

RT: 5.66
Area: 8413361
Amount: 11.778646
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 9043672
Amount: 12.661077
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:52:14
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

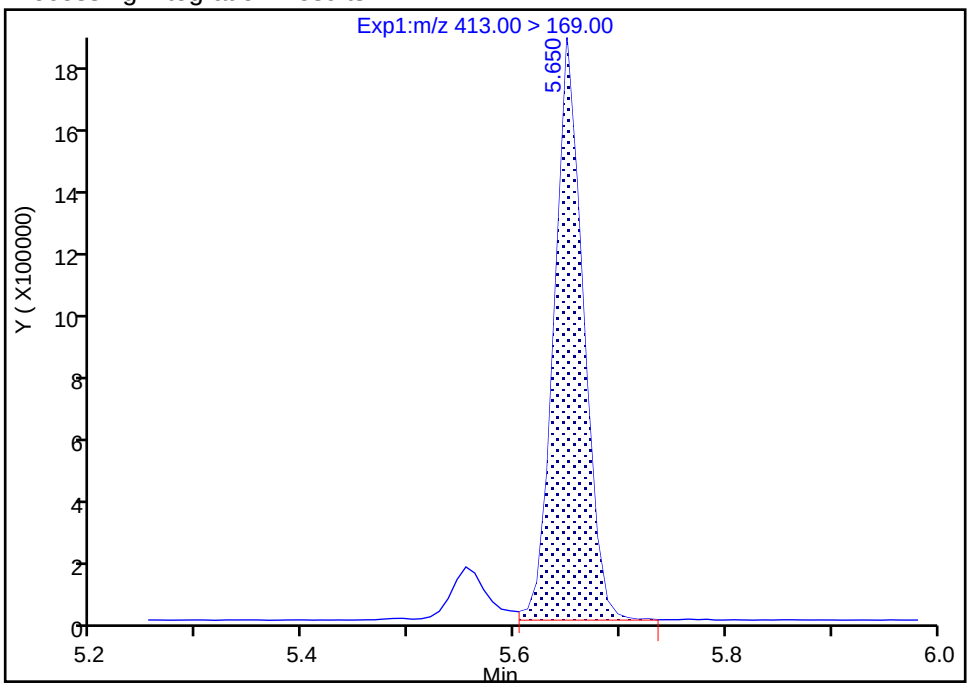
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

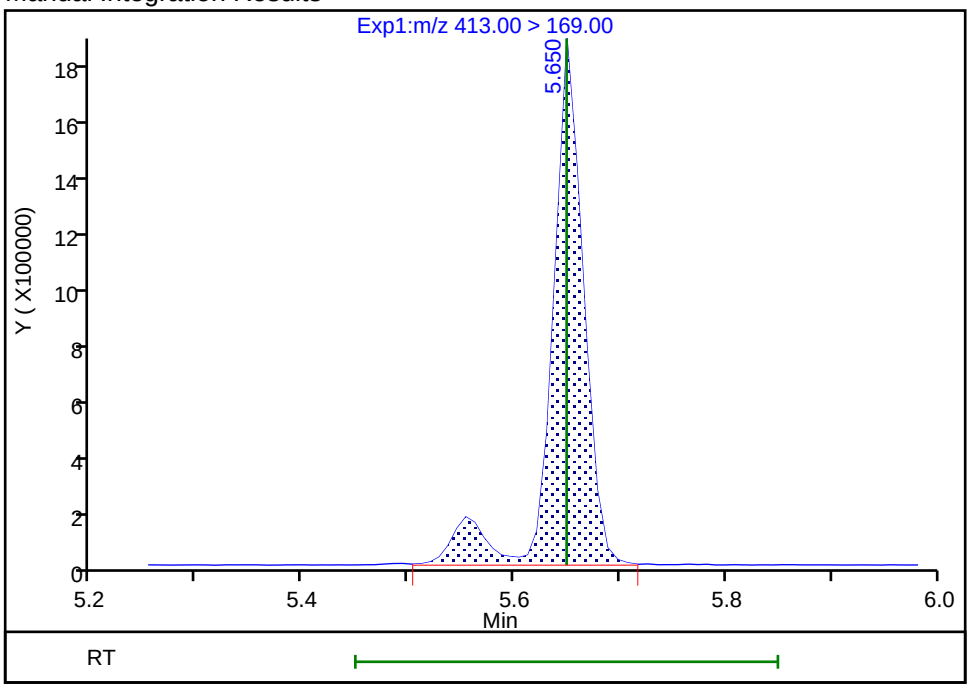
Processing Integration Results

RT: 5.65
Area: 3523531
Amount: 11.778646
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 3926497
Amount: 12.661077
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:52:41

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

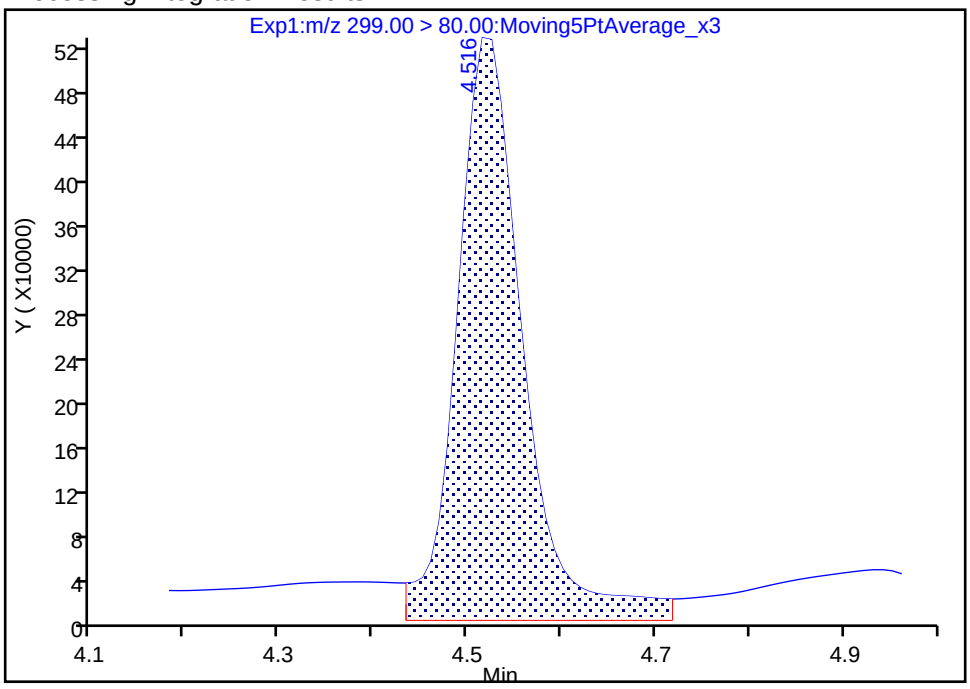
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

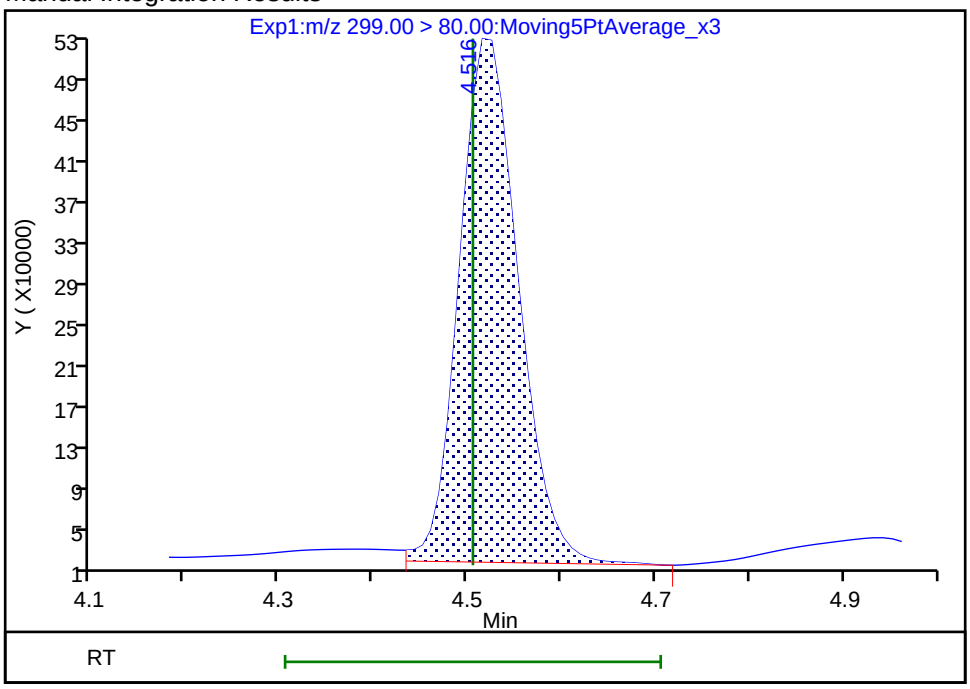
Processing Integration Results

RT: 4.52
Area: 2567443
Amount: 4.647135
Amount Units: ng/ml



Manual Integration Results

RT: 4.52
Area: 2203777
Amount: 3.988890
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:50:50

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

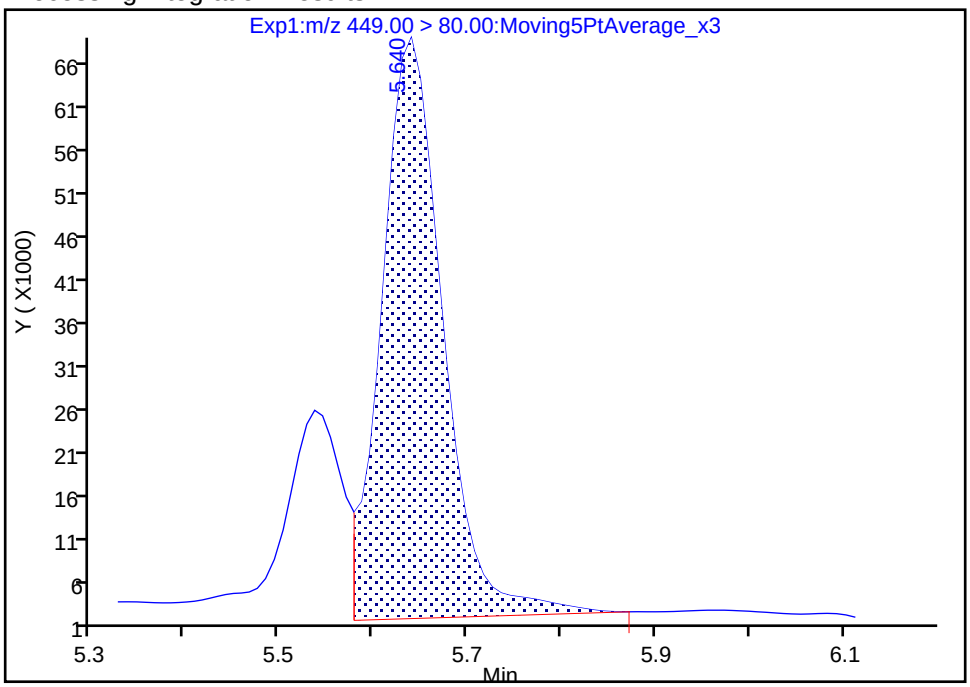
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

36 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

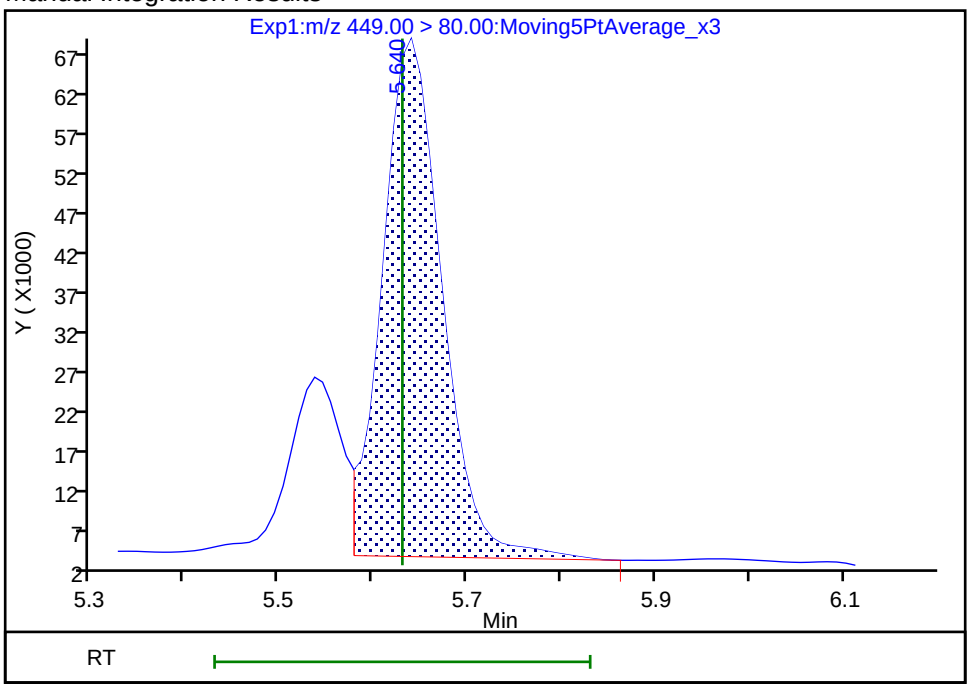
Processing Integration Results

RT: 5.64
Area: 298845
Amount: 0.563553
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 285183
Amount: 0.537789
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:51:50

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

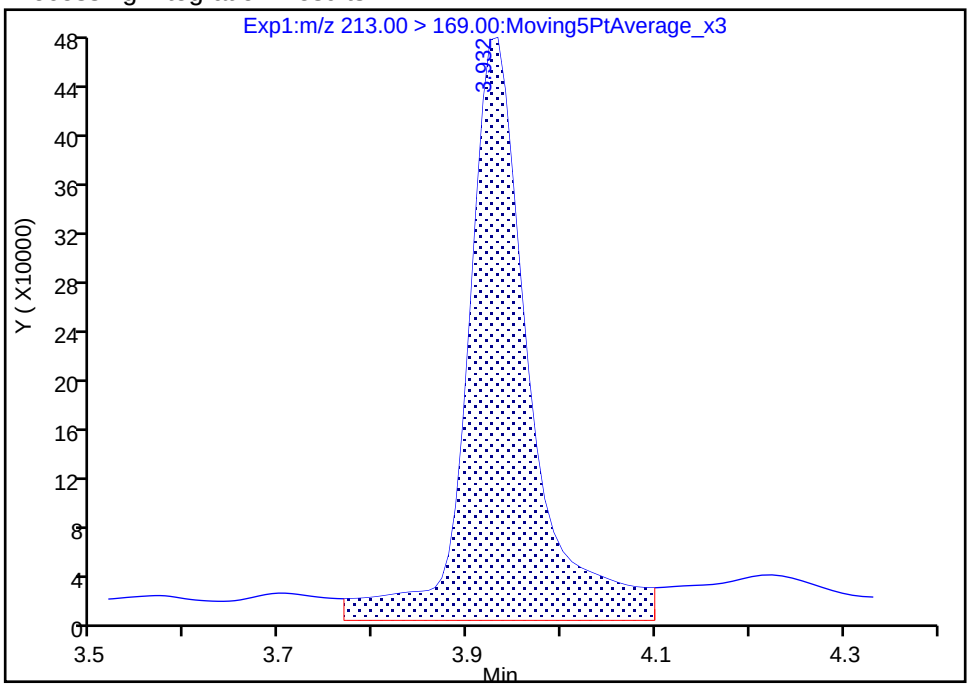
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

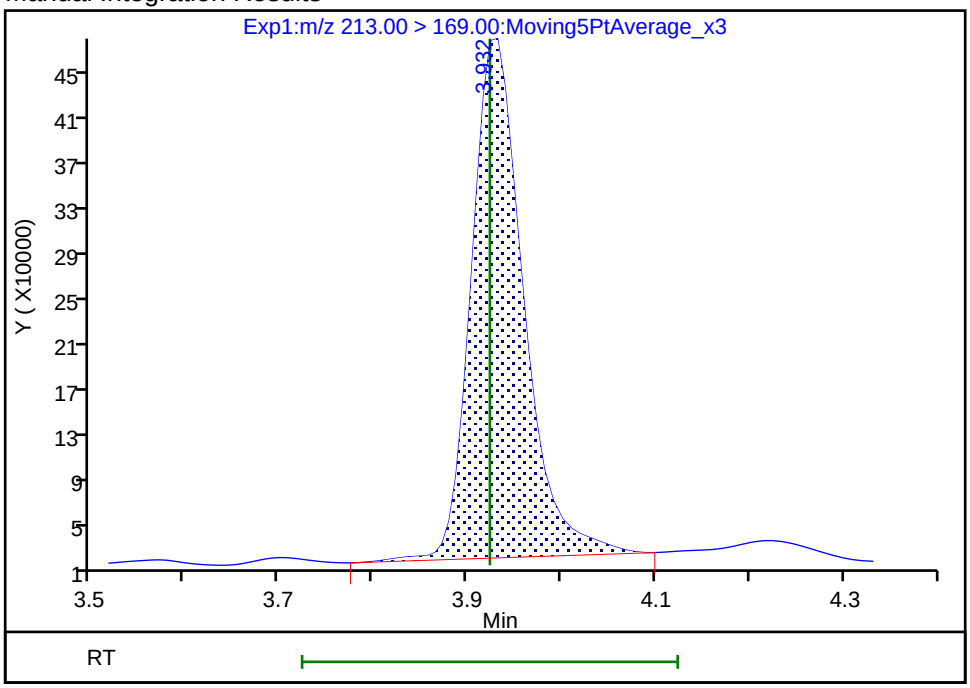
Processing Integration Results

RT: 3.93
Area: 2179255
Amount: 4.783472
Amount Units: ng/ml



Manual Integration Results

RT: 3.93
Area: 1742941
Amount: 3.825761
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:50:01

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

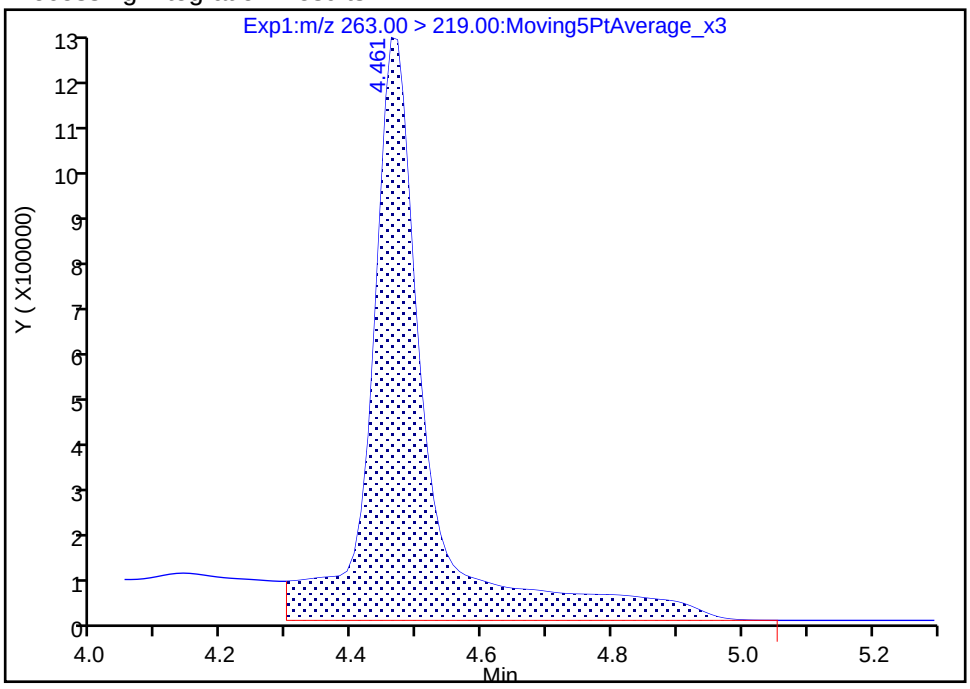
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-26.d				
Injection Date:	22-Jul-2021 05:15:28	Instrument ID:	30733		
Lims ID:	460-239002-A-3-A	Lab Sample ID:	410-239002-3		
Client ID:	MW-XX				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	23	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

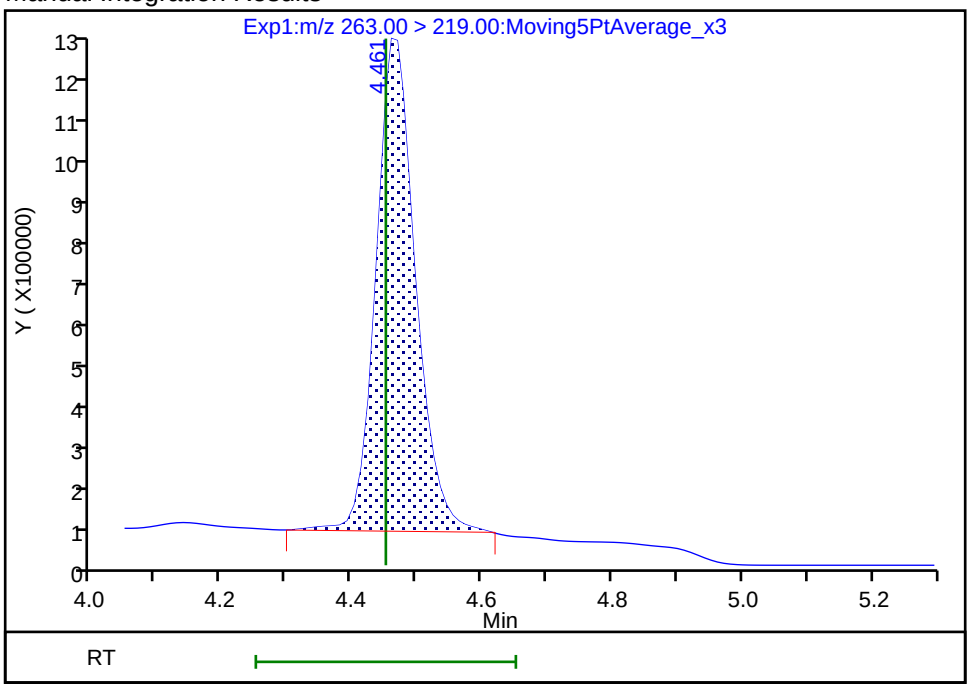
Processing Integration Results

RT: 4.46
Area: 7250896
Amount: 12.878173
Amount Units: ng/ml



Manual Integration Results

RT: 4.46
Area: 4739471
Amount: 8.417681
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 16:50:31

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 460-239002-4

Matrix: Water Lab File ID: 21JUL21-27.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 09:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 267.5(mL) Date Analyzed: 07/22/2021 05:26

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	38.6		1.87	0.47
375-85-9	Perfluoroheptanoic acid	15.3		1.87	0.47
335-67-1	Perfluorooctanoic acid	38.4		1.87	0.47
375-95-1	Perfluorononanoic acid	8.79		1.87	0.47
335-76-2	Perfluorodecanoic acid	1.47	J	1.87	0.47
72629-94-8	Perfluorotridecanoic acid	1.87	U	1.87	0.47
376-06-7	Perfluorotetradecanoic acid	1.87	U	1.87	0.47
375-73-5	Perfluorobutanesulfonic acid	5.96		1.87	0.47
355-46-4	Perfluorohexanesulfonic acid	6.26		1.87	0.47
1763-23-1	Perfluorooctanesulfonic acid	25.6	B	1.87	0.47
2991-50-6	NEtFOSAA	2.80	U	2.80	0.47
2355-31-9	NMeFOSAA	1.87	U	1.87	0.56
375-92-8	Perfluoroheptanesulfonic acid	1.87	U	1.87	0.47
335-77-3	Perfluorodecanesulfonic acid	1.87	U	1.87	0.47
754-91-6	Perfluorooctanesulfonamide	1.87	U	1.87	0.47
375-22-4	Perfluorobutanoic acid	13.6		4.67	1.87
2058-94-8	Perfluoroundecanoic acid	1.87	U	1.87	0.47
307-55-1	Perfluorododecanoic acid	1.87	U	1.87	0.47
27619-97-2	6:2 Fluorotelomer sulfonic acid	4.67	U	4.67	1.87
39108-34-4	8:2 Fluorotelomer sulfonic acid	2.80	U	2.80	0.93
2706-90-3	Perfluoropentanoic acid	45.0		1.87	0.47

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 460-239002-4

Matrix: Water Lab File ID: 21JUL21-27.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 09:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 267.5(mL) Date Analyzed: 07/22/2021 05:26

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	119		34-182
STL02279	M2-6:2 FTS	135		29-189
STL02577	13C5 PFHxA	83		31-142
STL01892	13C4 PFHpA	91		30-144
STL01052	13C8 PFOA	83		49-127
STL02578	13C9 PFNA	92		47-136
STL02579	13C6 PFDA	95		47-128
STL02580	13C7 PFUnA	102		40-135
STL02703	13C2-PFDoDA	90		28-136
STL02116	13C2 PFTeDA	75		10-144
STL02337	13C3 PFBS	100		19-178
STL02581	13C3 PFHxS	78		32-145
STL01054	13C8 PFOS	86		49-126
STL02118	d3-NMeFOSAA	77		32-151
STL02117	d5-NEtFOSAA	115		37-164
STL01056	13C8 FOSA	71		10-143
STL00992	13C4 PFBA	89		41-132
STL01893	13C5 PFPeA	104		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d
Lims ID: 460-239002-A-4-A
Client ID: MW-6
Sample Type: Client
Inject. Date: 22-Jul-2021 05:26:33 ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-4-A
Misc. Info.: Plate: 1 Rack: 1 410-0034909-027
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 17:18:28 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 17:06:10
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
107 MTP 175.00 > 97.00		1.489				ND				
1 PPF Acid 163.00 > 119.00	1.846	1.822	0.024	0.470	782075	NC			3287	
96 PFMOAA 179.00 > 85.00	2.951	2.913	0.038	0.751	10458	NC			27.7	
D 3 13C4 PFBA 217.00 > 172.00	3.930	3.924	0.006	1.000	6168793	8.93		89.3	164169	
2 Perfluorobutanoic acid 213.00 > 169.00	3.930	3.924	0.006	1.000	1933500	3.63			2220	M M
* 4 13C3-PFBA 216.00 > 172.00	3.930	3.924	0.006		3074195	5.00			14918	
99 R-EVE 405.00 > 217.00		3.967				ND				
100 R-PSDA 441.00 > 241.00		3.967				ND				
105 Hydrolyzed PSDA 439.00 > 343.00		3.980				ND				
102 PMPA 229.00 > 185.00	4.048	4.098	-0.050	1.030	17506	NC			24.1	
5 PFPrS 249.00 > 99.00	4.107	4.164	-0.057	1.045	7621	NC			158	
103 NVHOS 297.00 > 135.00		4.201				ND				
6 PFECA F 229.00 > 85.00	4.170	4.220	-0.050	1.061	6244	NC			624	
92 PFO2HxA 245.00 > 85.00	4.352	4.408	-0.056	1.107	3189	NC			113	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.467	4.452	0.015	1.000	7575237	12.0			3400	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.467	4.461	0.007	1.137	6657195	10.4		104	108769	
10 Perfluorobutanesulfonic acid										M
299.00 > 80.00	4.523	4.506	0.017	1.000	885267	1.59	Target=3.13		344	M
299.00 > 99.00	4.513	4.506	0.007	0.998	277550		3.19(1.57-4.70)		771	
D 11 13C3 PFBS										
302.00 > 80.00	4.523	4.515	0.008	1.151	5017551	9.34		100	9515	
9 3:3 FTCA										
241.00 > 177.00		4.528				ND				
91 PEPA										
279.00 > 235.00	4.662	4.634	0.028	1.186	504030	NC			31.5	
12 PFECA A										
279.00 > 85.00		4.660				ND				
13 PES										
315.00 > 135.00		4.753				ND				
15 4:2 FTS										
327.00 > 307.00		4.832				ND				
327.00 > 81.00		4.832								
D 16 M2-4:2 FTS										
329.00 > 81.00	4.849	4.842	0.007	0.859	742699	14.4		154	2993	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.888	4.871	0.017	1.000	6852827	10.3	Target=14.88		2913	
313.00 > 119.00	4.879	4.871	0.008	0.998	451682		15.17(7.44-22.32)		6295	
D 19 13C5 PFHxA										
318.00 > 273.00	4.888	4.881	0.007	0.865	8799328	8.34		83.4	116647	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.888	4.881	0.007	0.865	9178	0.0112			414	
14 PFECA B										
201.00 > 85.00		4.882				ND				
295.00 > 201.00		4.882								
20 Perfluoropentanesulfonic acid										M
349.00 > 80.00	4.908	4.890	0.018	1.085	67465	0.1309	Target=3.52		83.7	M
349.00 > 99.00	4.898	4.890	0.008	1.083	23316		2.89(1.76-5.28)		168	M
93 PFO3OA										
311.00 > 85.00		5.008				ND				
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.017	5.010	0.007	0.888	693472	7.13		71.3	32983	
21 HFPO-DA										M
329.00 > 285.00	5.017	5.010	0.007	1.000	27391	0.1263			30.8	M
D 25 13C3 PFHxS										
402.00 > 80.00	5.284	5.274	0.010	0.936	5490765	7.38		78.1	36862	
D 24 13C4 PFHpA										
367.00 > 322.00	5.284	5.274	0.010	0.936	9813360	9.08		90.8	210822	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
23 Perfluoroheptanoic acid										M
363.00 > 319.00	5.284	5.274	0.010	1.000	4136573	4.08	Target=3.85		3248	M
363.00 > 169.00	5.273	5.274	-0.001	0.998	1083458		3.82(1.93-5.78)		17594	
26 Perfluorohexanesulfonic acid										M
399.00 > 80.00	5.284	5.274	0.010	1.000	953725	1.68	Target=3.51		16293	M
399.00 > 99.00	5.284	5.274	0.010	1.000	286998		3.32(1.75-5.26)		63039	
97 Hydro-EVE Acid										
427.00 > 283.00		5.302				ND				
94 R-PSDCA										
397.00 > 217.00		5.305				ND				
27 DONA										
377.00 > 251.00		5.317				ND				
106 Hydro-PS Acid										
463.00 > 263.00		5.320				ND				
98 PFECA G										
379.00 > 185.00		5.410				ND				
28 5:3 FTCA										
341.00 > 237.00		5.428				ND				
339.00 > 295.00		5.428								
29 6:2 FTUCA										
357.00 > 293.00	5.383	5.447	-0.064	1.000	8761	NC			34.2	
D 30 13C-6:2 FTUCA										
359.00 > 294.00	5.383	5.450	-0.067	0.953	4534262	NC		0.0	139212	
32 6:2 FTCA										
377.00 > 293.00		5.467				ND				
D 31 13C-6:2 FTCA										
379.00 > 294.00	5.408	5.468	-0.060	0.957	693873	NC		0.0	19068	
95 PFO4DA										
377.00 > 85.00	5.536	5.523	0.013	1.409	1937	NC			169	
104 PS Acid										
443.00 > 147.00		5.565				ND				
90 EVE Acid										
407.00 > 263.00		5.583				ND				
D 35 M2-6:2 FTS										
429.00 > 81.00	5.639	5.621	0.018	0.998	366748	12.8		135	8591	
34 6:2 FTS										
427.00 > 407.00	5.639	5.621	0.018	1.000	3061	0.0168	Target=1.43		156	
427.00 > 81.00	5.639	5.621	0.018	1.000	2737		1.12(0.72-2.15)		19.2	
36 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	5.639	5.630	0.009	1.067	61136	0.1181	Target=3.86		177	
449.00 > 99.00	5.639	5.630	0.009	1.067	15135		4.04(1.93-5.79)		437	M
D 37 13C8 PFOA										
421.00 > 376.00	5.648	5.640	0.008	1.000	9687568	8.26		82.6	249451	
$ 39 13C4 PFOA										
417.00 > 372.00	5.648	5.640	0.008	1.000	111741	0.1031			6401	
* 38 13C2 PFOA										
415.00 > 370.00	5.648	5.640	0.008		4295210	5.00			141891	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.648	5.649	-0.001	1.000	7436970	10.3	Target=2.48		91768	M
413.00 > 169.00	5.648	5.649	-0.001	1.000	3125286		2.38(1.24-3.72)		160596	M
33 PFECHS										R
461.00 > 381.00	5.603	5.659	-0.056	1.060	15219	NC	Target=2.22		137	R
461.00 > 99.00	5.595	5.659	-0.064	1.059	16522		0.92(1.11-3.33)		309	
101 TAF										
443.00 > 85.00		5.957				ND				
D 41 13C8 PFOS										
507.00 > 80.00	5.971	5.963	0.008	0.999	5586459	8.24		86.2	29451	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.980	5.963	0.017	1.001	4366187	6.84	Target=4.45		435500	
499.00 > 99.00	5.971	5.963	0.008	1.000	872936		5.00(2.23-6.68)		1345	
* 42 13C4 PFOS										
503.00 > 80.00	5.980	5.963	0.017		3139726	4.78			26290	
D 45 13C9 PFNA										
472.00 > 427.00	5.997	5.981	0.016	1.003	8675981	9.21		92.1	209910	
44 Perfluorononanoic acid										
463.00 > 419.00	5.988	5.981	0.007	0.999	1756189	2.35	Target=4.83		4876	
463.00 > 169.00	5.988	5.981	0.007	0.999	359304		4.89(2.42-7.25)		10937	
51 9ClFOS										
531.00 > 351.00		6.139				ND				
46 7:3 FTCA										
441.00 > 337.00		6.158				ND				
47 8:2 FTUCA										
457.00 > 393.00		6.164				ND				
D 48 13C-8:2 FTUCA										
459.00 > 394.00	6.110	6.166	-0.056	0.969	3924103	NC		0.0	180720	
49 8:2 FTCA										
477.00 > 393.00		6.180				ND				
D 50 13C-8:2 FTCA										
479.00 > 394.00	6.120	6.182	-0.062	0.971	466270	NC		0.0	21978	
52 Perfluorononanesulfonic acid										
549.00 > 80.00		6.263				ND				
549.00 > 99.00		6.263								
53 Perfluorodecanoic acid										M
513.00 > 469.00	6.294	6.280	0.014	0.999	370648	0.3929	Target=10.20		2372	
513.00 > 169.00	6.294	6.280	0.014	0.999	40561		9.14(5.10-15.29)		1860	M
D 54 13C6 PFDA										
519.00 > 474.00	6.303	6.289	0.014	1.000	10806722	9.45		94.5	323214	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.303	6.289	0.014	1.000	223245	11.4		119	13137	
56 8:2 FTS										
527.00 > 507.00		6.289				ND				
527.00 > 81.00		6.289								
* 55 13C2 PFDA										
515.00 > 470.00	6.303	6.289	0.014		6015421	5.00			240247	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 59 13C8 FOSA										
506.00 > 78.00	6.392	6.375	0.017	1.014	8011023	7.08		70.8	154708	
58 Perfluorooctanesulfonamide										M
498.00 > 78.00		6.375				0				
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.444	6.429	0.016	1.023	1605320	7.73		77.3	86857	
60 NMeFOSAA										
570.00 > 419.00		6.439				ND				
570.00 > 483.00		6.439								
62 Perfluorodecanesulfonic acid										
599.00 > 80.00		6.521				ND				
599.00 > 99.00		6.521								
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.561	6.544	0.017	0.998	14516	0.0159	Target=8.77		51.5	
563.00 > 169.00	6.485	6.544	-0.059	0.987	2769		5.24(4.39-13.16)		102	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.573	6.556	0.017	1.164	5502	0.005518			377	
D 65 13C7 PFUnA										
570.00 > 525.00	6.573	6.556	0.017	1.043	11080148	10.2		102	315784	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.584	6.567	0.017	1.045	1837937	11.5		115	33734	
67 NEtFOSAA										
584.00 > 419.00		6.579				ND				
584.00 > 526.00		6.579								
69 11ClFOS										
631.00 > 451.00		6.658				ND				
68 10:2 FTUCA										
557.00 > 493.00	6.673	6.738	-0.065	1.000	1924	NC			36.7	
D 70 13C-10:2 FTUCA										
559.00 > 494.00	6.673	6.741	-0.068	1.059	4746191	NC		0.0	249223	
71 10:2 FTCA										
577.00 > 493.00		6.753				ND				
D 72 13C-10:2 FTCA										
579.00 > 494.00	6.684	6.758	-0.074	1.060	395394	NC		0.0	20420	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.811	6.784	0.027	1.081	7494797	8.98		89.8	195828	
73 Perfluorododecanoic acid										
613.00 > 569.00		6.784				ND				
613.00 > 169.00		6.784								
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.821	6.807	0.014	1.082	1388372	6.32		63.2	5278	
77 N-MeFOSE-M										
616.00 > 59.00		6.807				ND				
75 10:2 FTS										
627.00 > 607.00		6.807				ND				
627.00 > 81.00		6.807								

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 79 d3-NMePFOSA										
515.00 > 169.00	6.842	6.828	0.014	1.086	352929	2.51		25.1	12854	
78 NMeFOSA										
512.00 > 169.00		6.828				ND				
80 PFDoS										
699.00 > 80.00		6.956				ND				
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.986	6.965	0.021	1.108	1608570	6.73		67.3	8428	
82 N-EtFOSE-M										
630.00 > 59.00		6.975				ND				
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.005	6.984	0.021	1.111	393517	2.92		29.2	11051	
84 N-EtFOSA-M										
526.00 > 169.00		6.993				ND				
85 Perfluorotridecanoic acid										
663.00 > 619.00		6.993				ND				
663.00 > 169.00		6.993								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.193	7.172	0.021	1.141	6620532	7.50		75.0	263220	
86 Perfluorotetradecanoic acid										
713.00 > 669.00		7.172				ND				
713.00 > 169.00		7.172								
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.479	7.467	0.012	1.040	28437	0.0399	Target=8.75		106	
813.00 > 169.00	7.479	7.467	0.012	1.040	2801		10.15(4.38-13.13)		169	
89 Perfluorooctadecanoic acid										
913.00 > 869.00		7.701				ND				
913.00 > 169.00		7.701								

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- R - Failed Signal Ratio Test

Review Flags
- M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 17:18:43 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d

Injection Date: 22-Jul-2021 05:26:33 Instrument ID: 30733

Lims ID: 460-239002-A-4-A Lab Sample ID: 410-239002-4

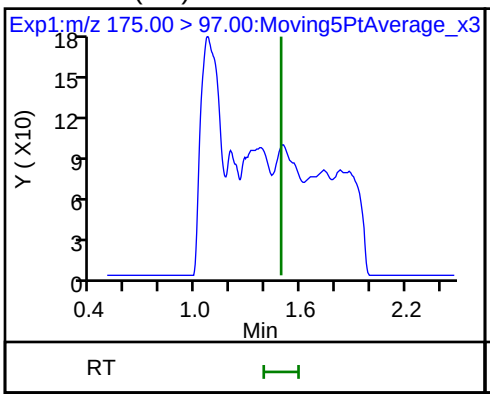
Client ID: MW-6

Operator ID: US19_USR_INS20260 ALS Bottle#: 24 Worklist Smp#: 27

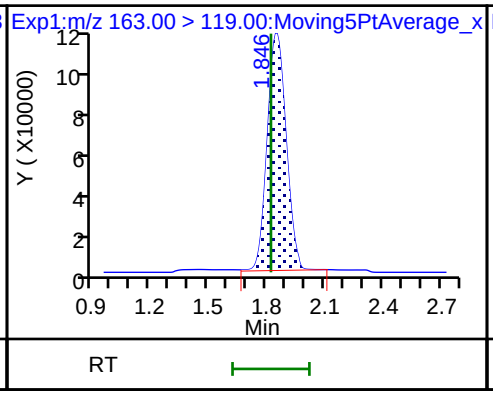
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

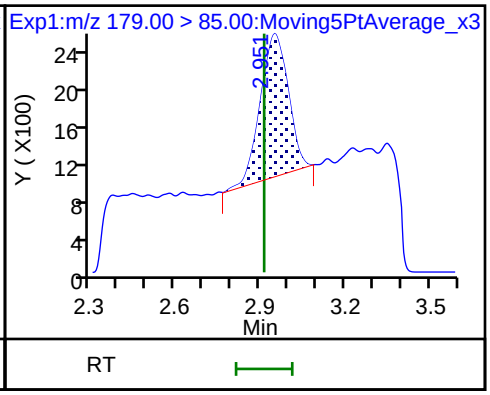
107 MTP (ND)



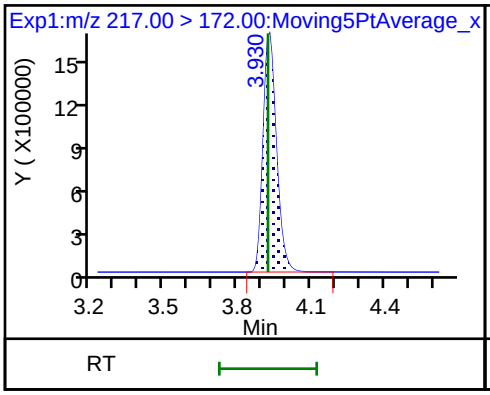
1 PPF Acid



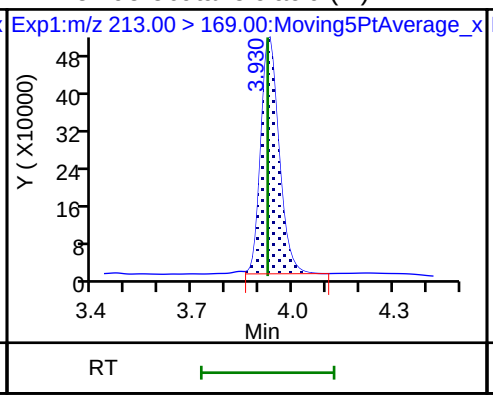
96 PFMOAA



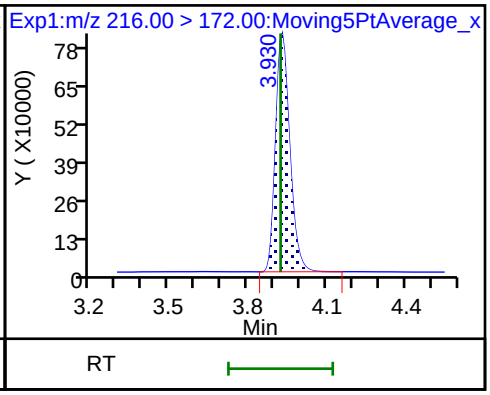
D 3 13C4 PFBA



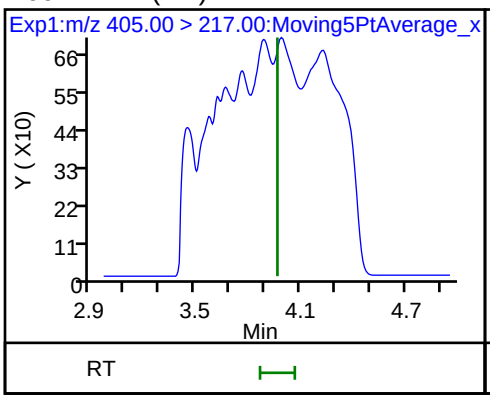
2 Perfluorobutanoic acid (M)



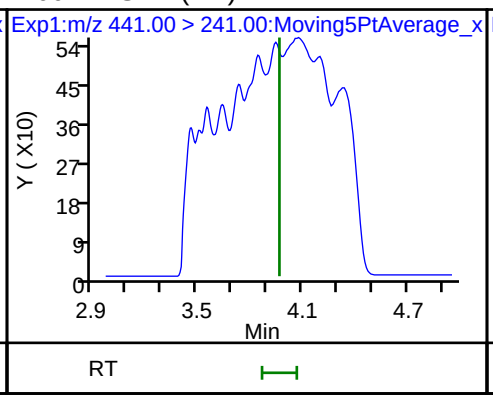
* 4 13C3-PFBA



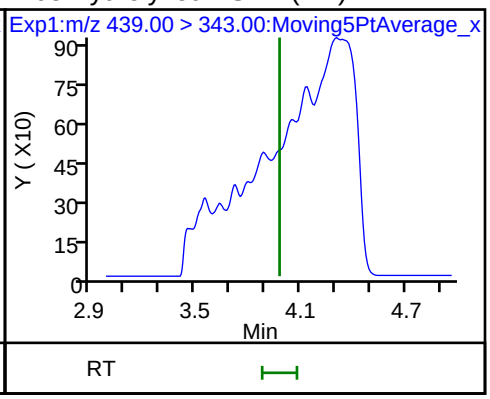
99 R-EVE (ND)



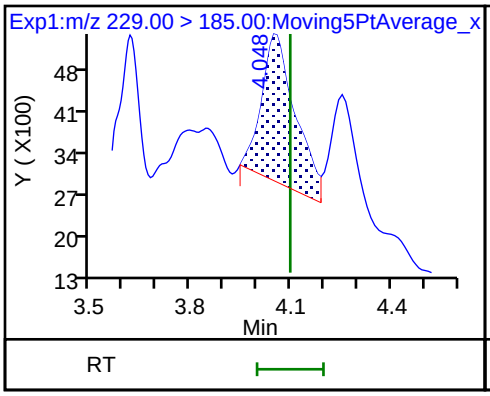
100 R-PSDA (ND)



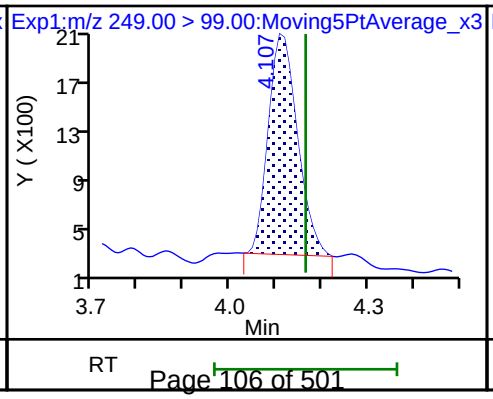
105 Hydrolyzed PSDA (ND)



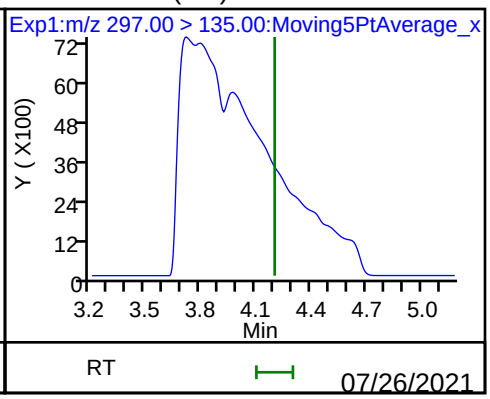
102 PMPA



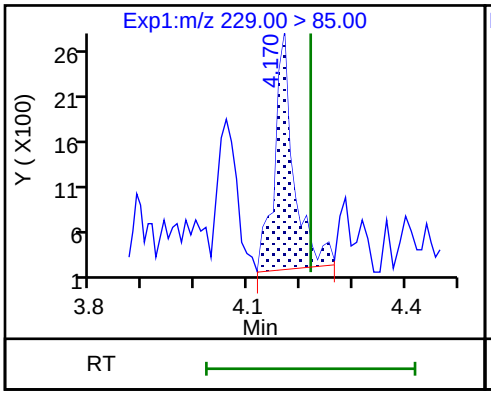
5 PFPrS



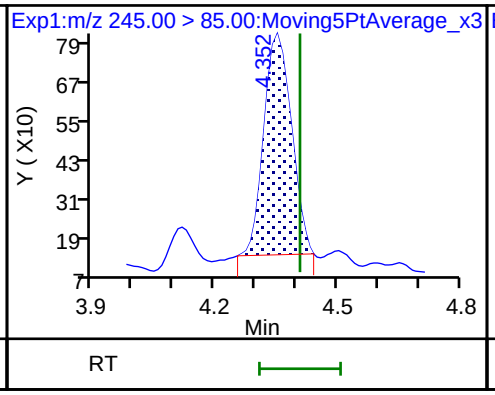
103 NVHOS (ND)



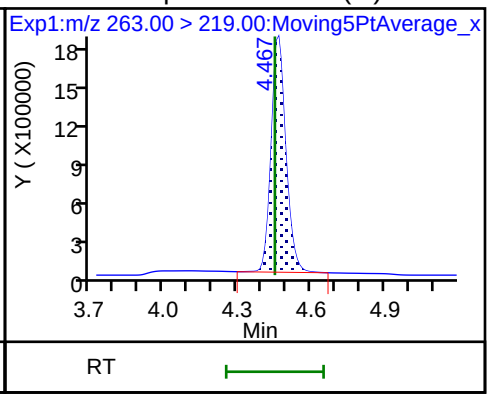
6 PFECA F



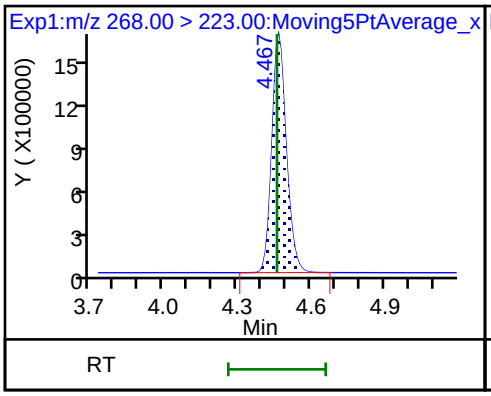
92 PFO2HxA



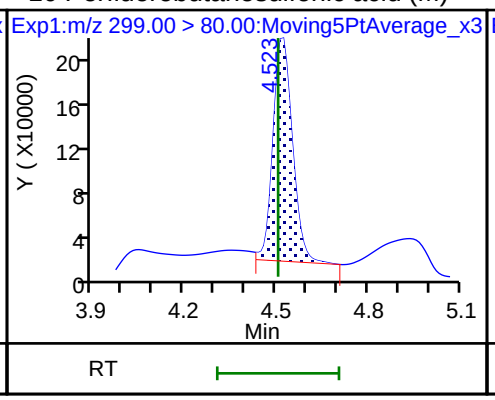
7 Perfluoropentanoic acid (M)



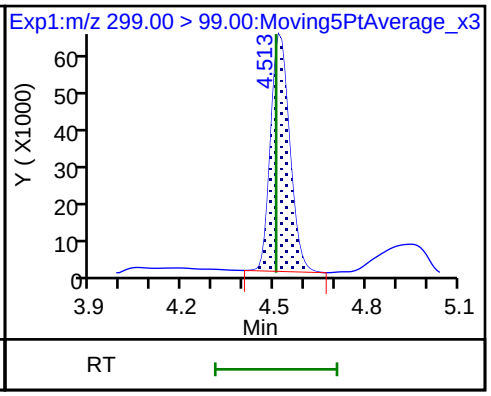
D 8 13C5 PFPeA



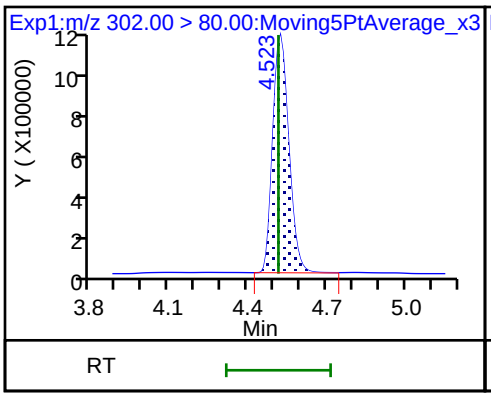
10 Perfluorobutanesulfonic acid (M)



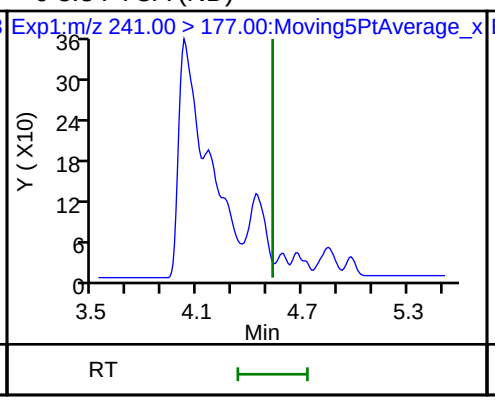
10 Perfluorobutanesulfonic acid



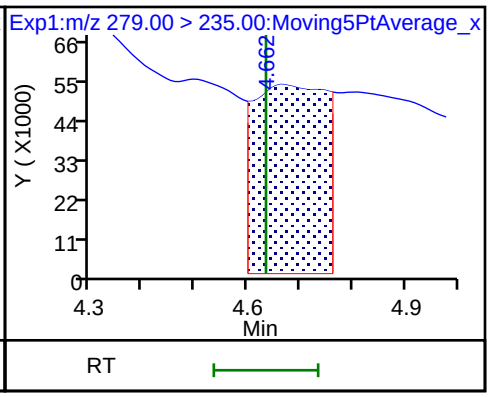
D 11 13C3 PFBS



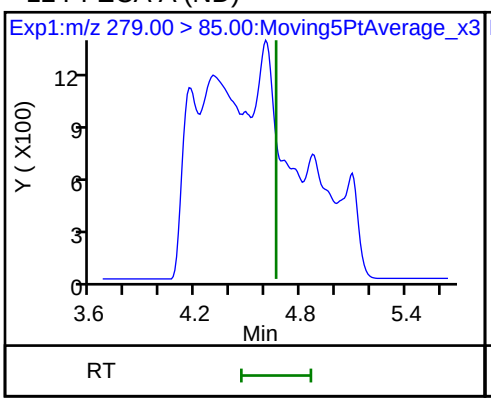
9 3:3 FTCA (ND)



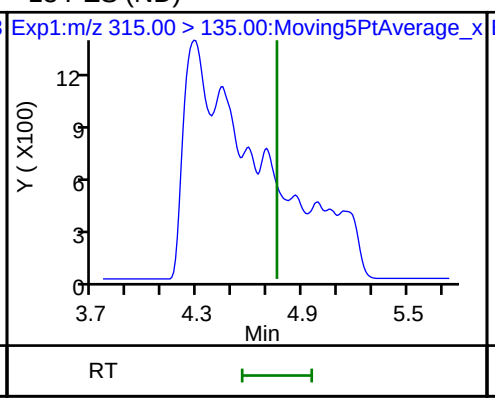
91 PEPA



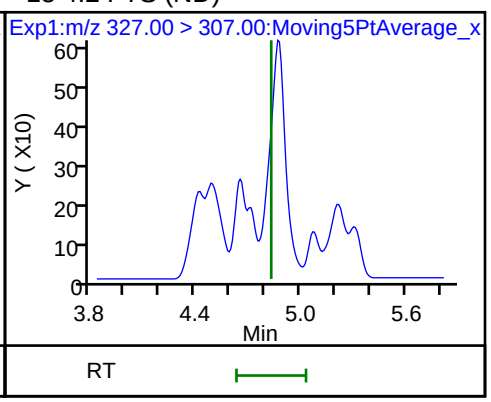
12 PFECA A (ND)



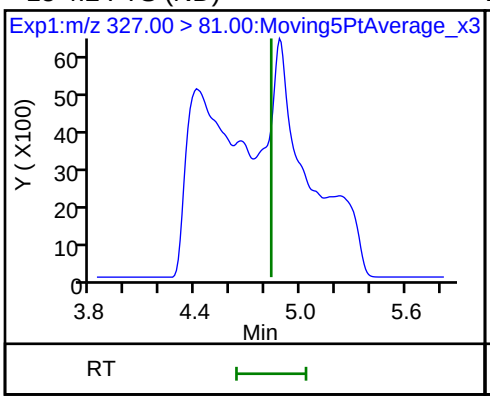
13 PES (ND)



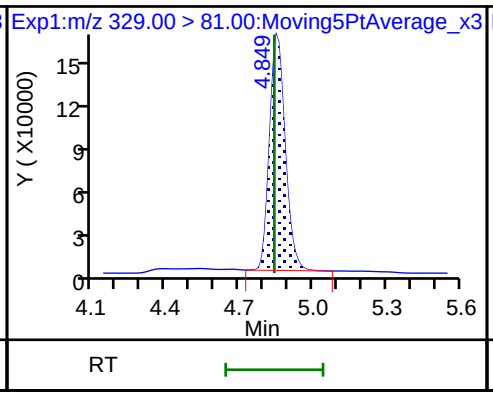
15 4:2 FTS (ND)



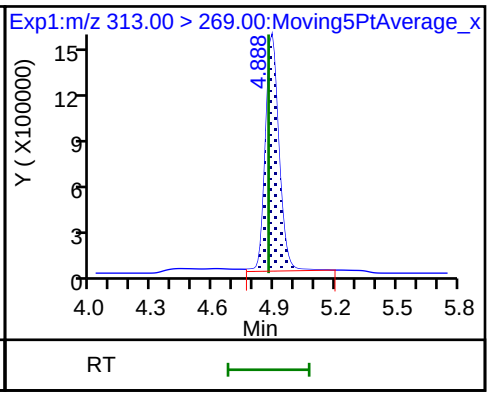
15 4:2 FTS (ND)



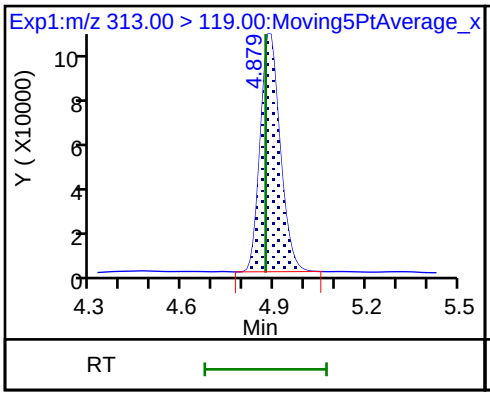
D 16 M2-4:2 FTS



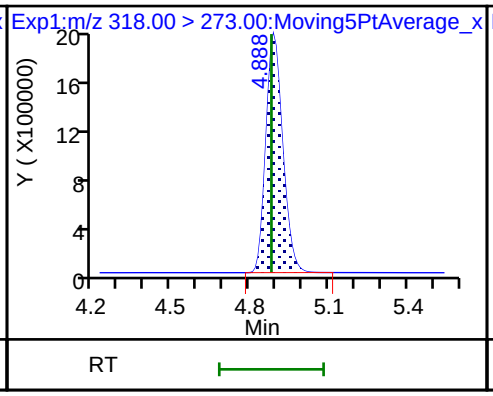
17 Perfluorohexanoic acid



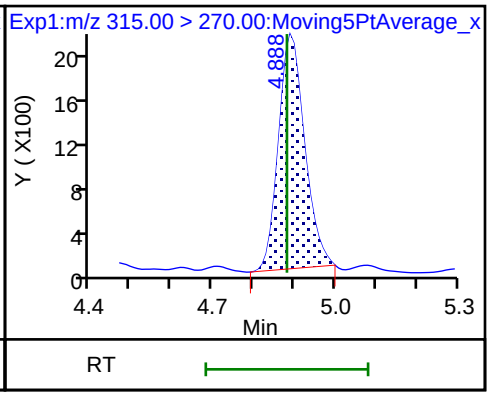
17 Perfluorohexanoic acid



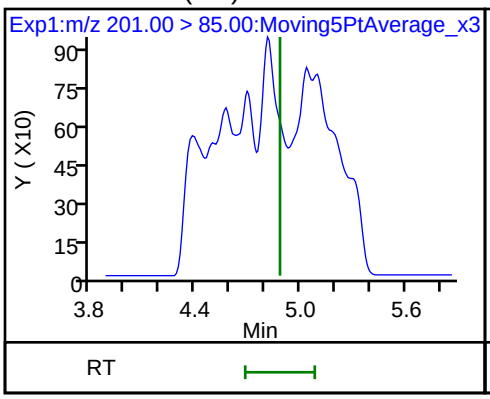
D 19 13C5 PFHxA



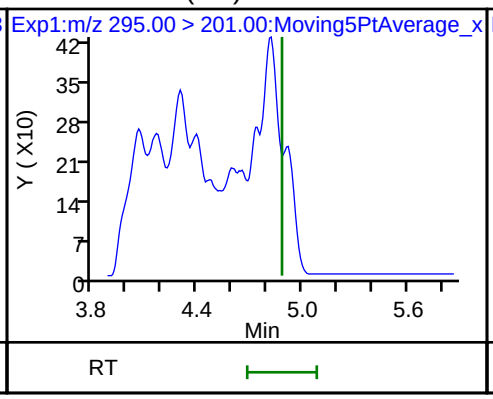
$ 18 13C2 PFHxA



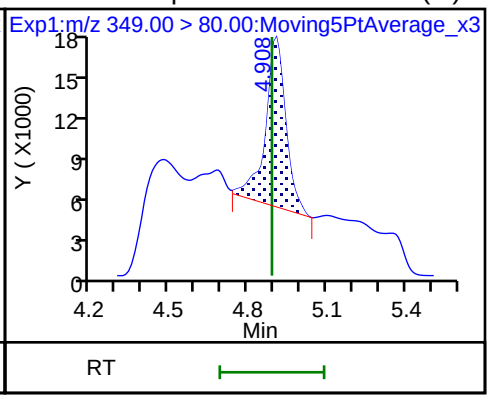
14 PFECA B (ND)



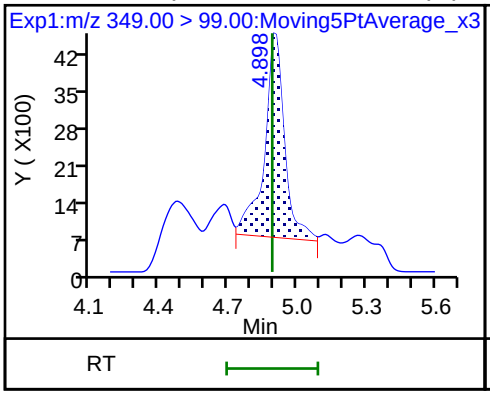
14 PFECA B (ND)



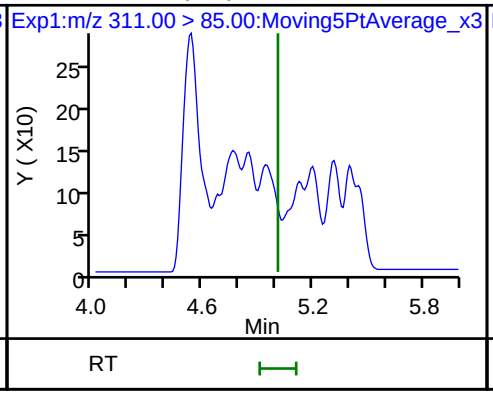
20 Perfluoropentanesulfonic acid (M)



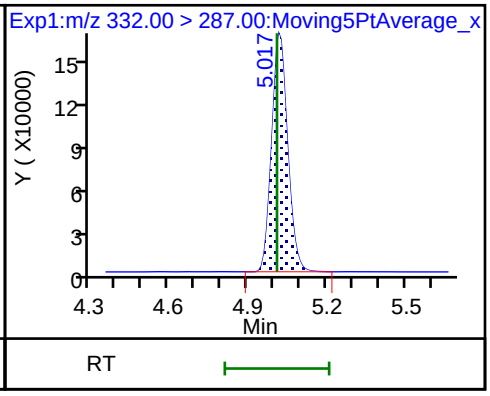
20 Perfluoropentanesulfonic acid (M)



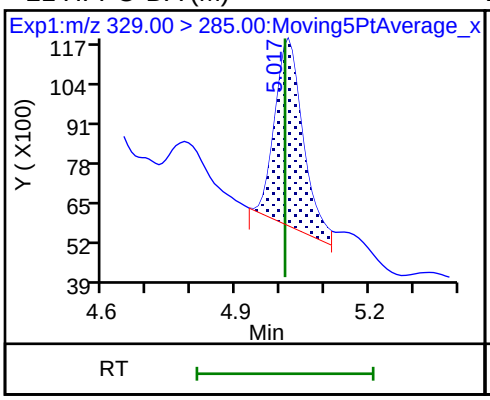
93 PFO3OA (ND)



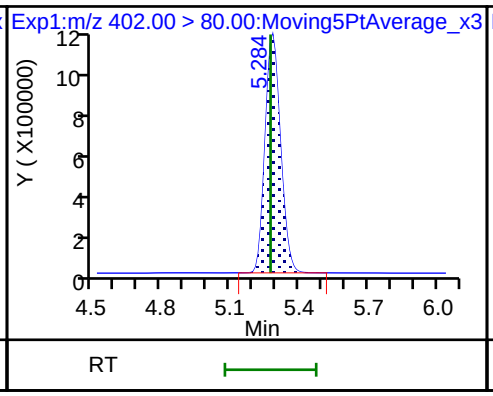
D 22 13C3 HFPO-DA



21 HFPO-DA (M)



D 25 13C3 PFHxS



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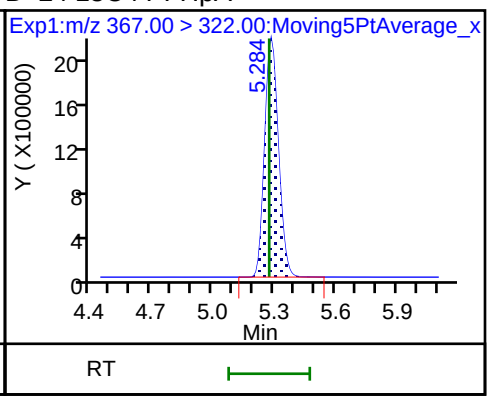
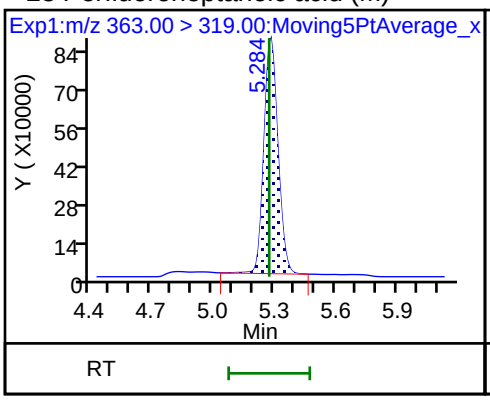
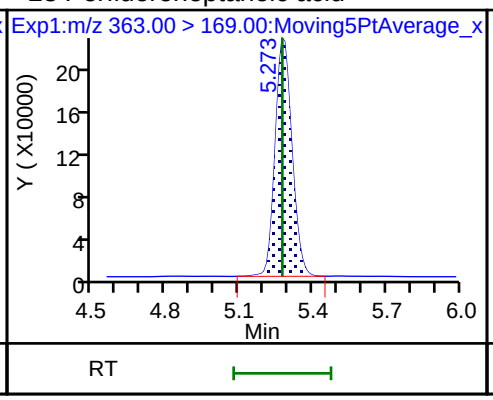


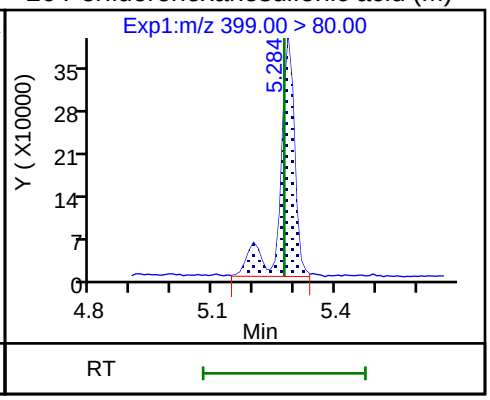
23 Perfluoroheptanoic acid (M)



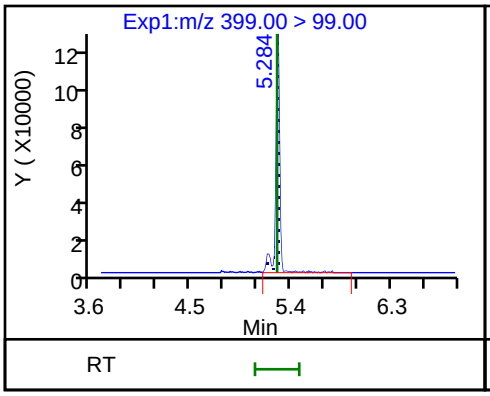
23 Perfluoroheptanoic acid



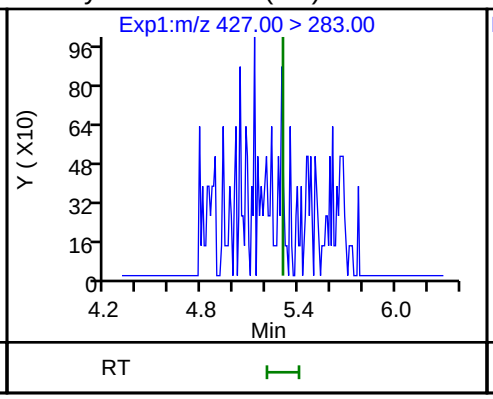
26 Perfluorohexanesulfonic acid (M)



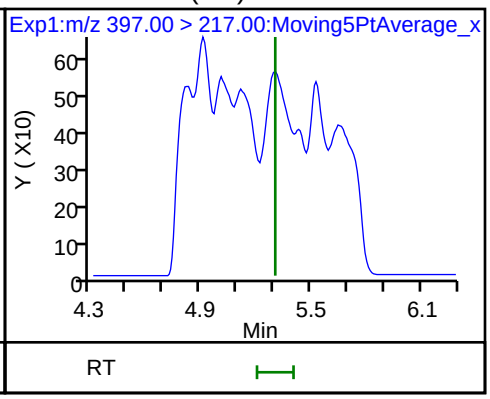
26 Perfluorohexanesulfonic acid



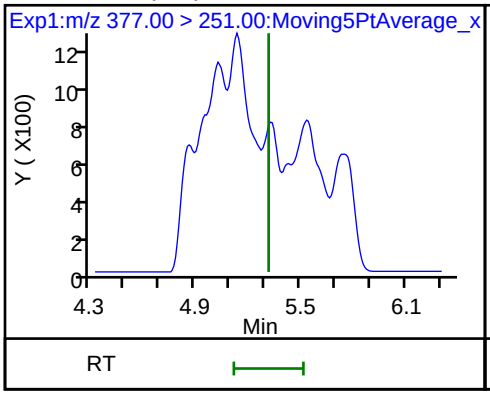
97 Hydro-EVE Acid (ND)



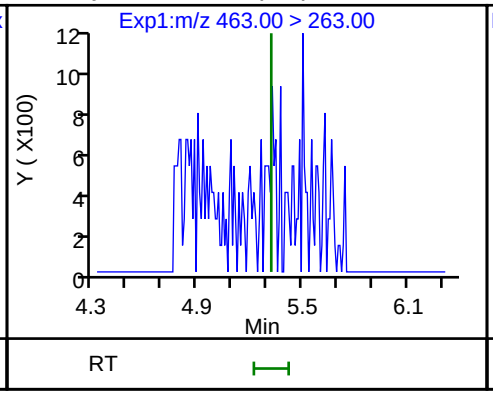
94 R-PSDCA (ND)



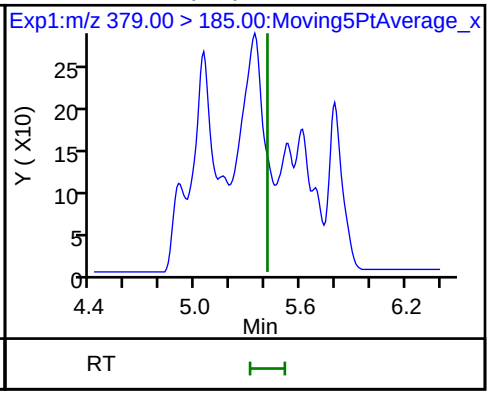
27 DONA (ND)



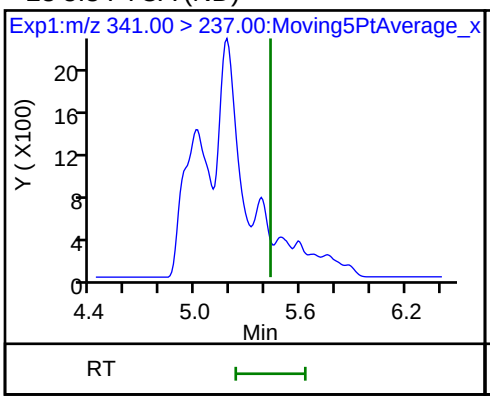
106 Hydro-PS Acid (ND)



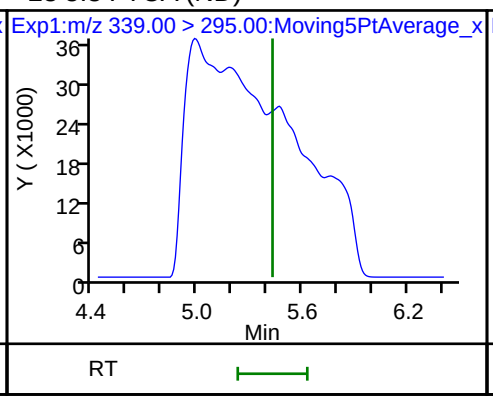
98 PFECA G (ND)



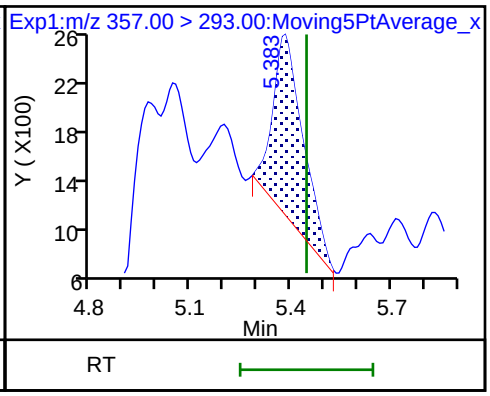
28 5:3 FTCA (ND)



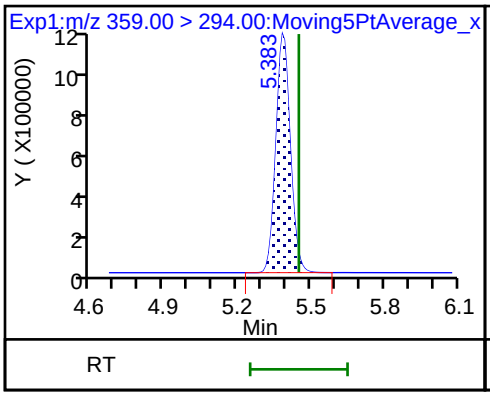
28 5:3 FTCA (ND)



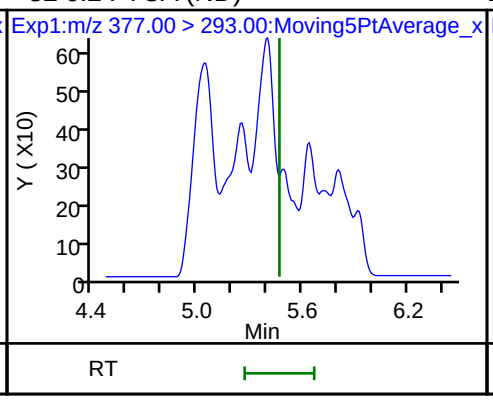
29 6:2 FTUCA



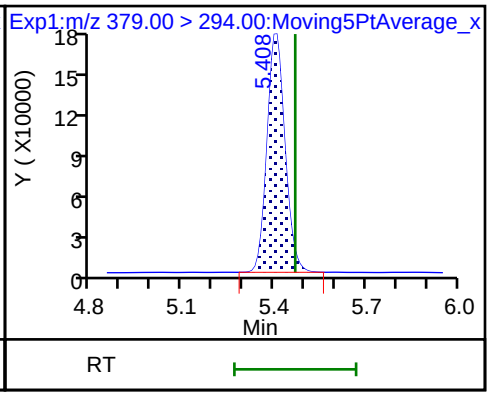
D 30 13C-6:2 FTUCA



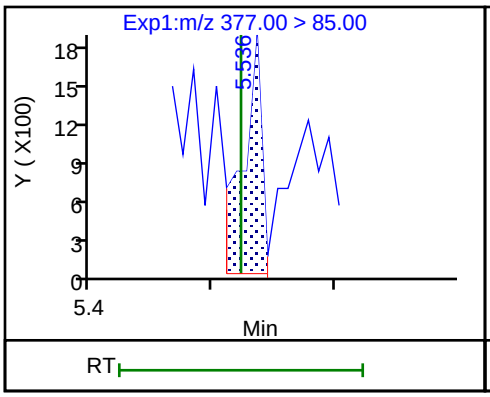
32 6:2 FTCA (ND)



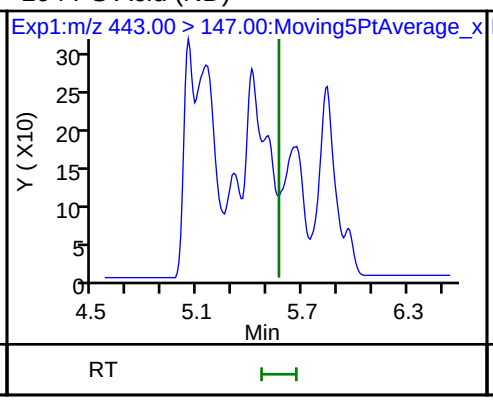
D 31 13C-6:2 FTCA



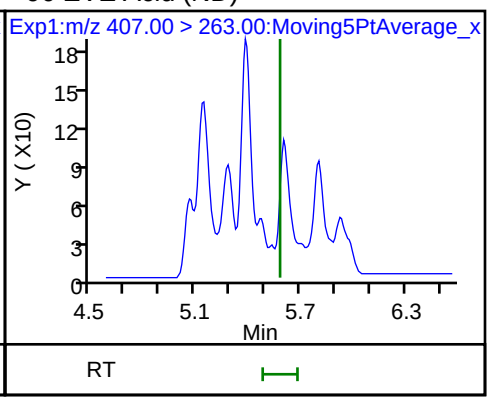
95 PFO4DA



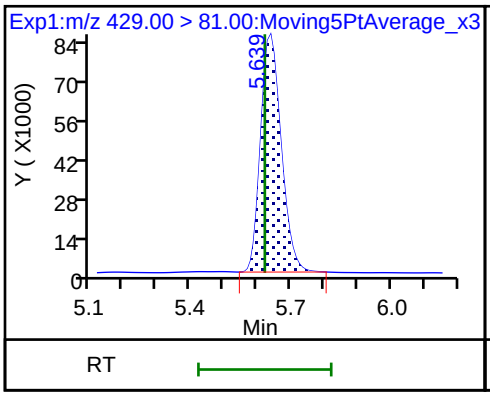
104 PS Acid (ND)



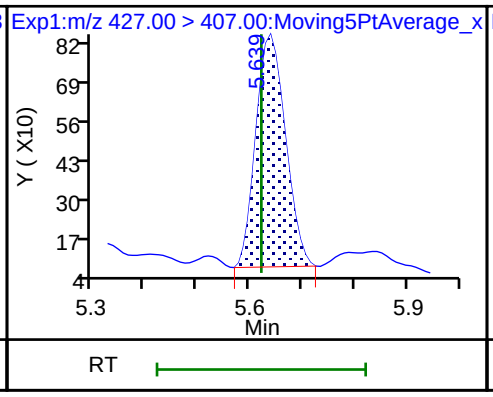
90 EVE Acid (ND)



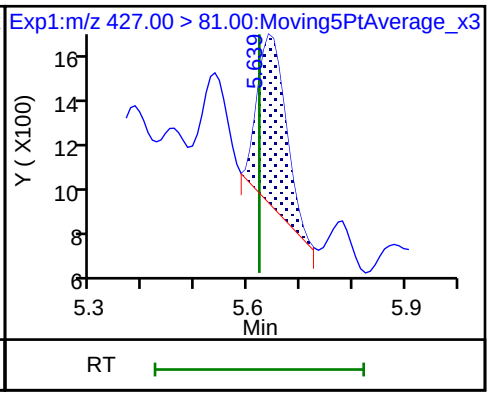
D 35 M2-6:2 FTS



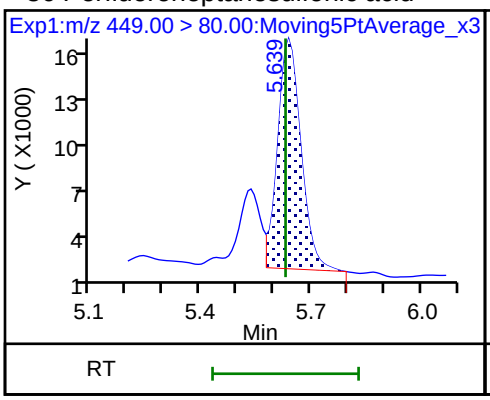
34 6:2 FTS



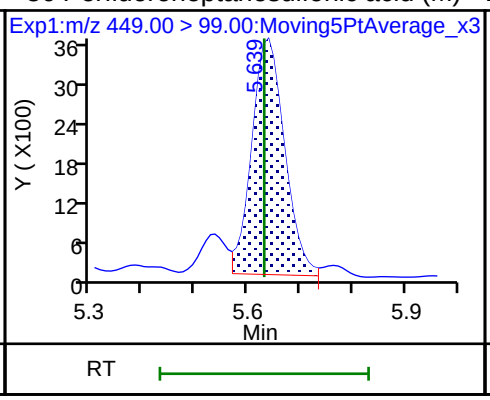
34 6:2 FTS



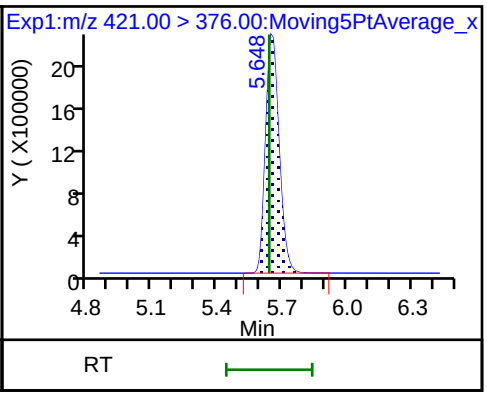
36 Perfluoroheptanesulfonic acid



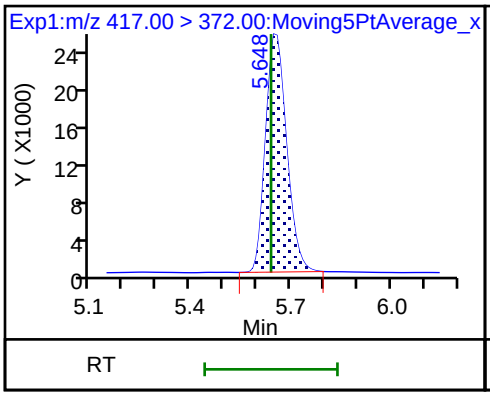
36 Perfluoroheptanesulfonic acid (M)



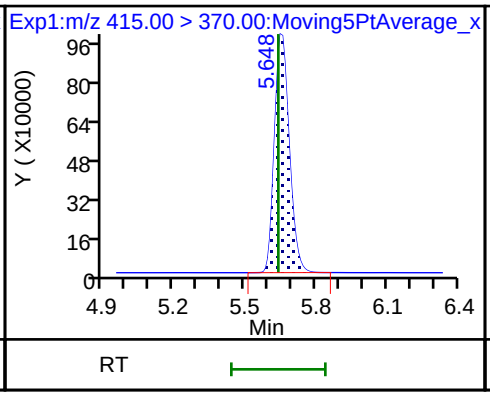
D 37 13C8 PFOA



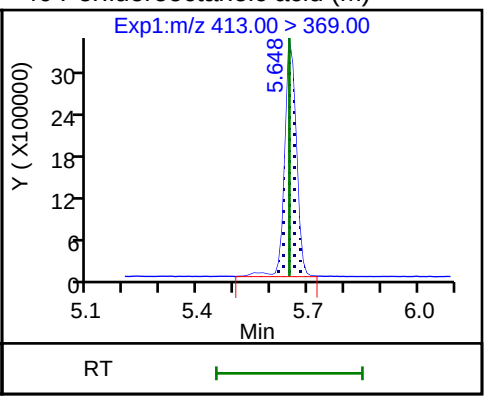
$ 39 13C4 PFOA



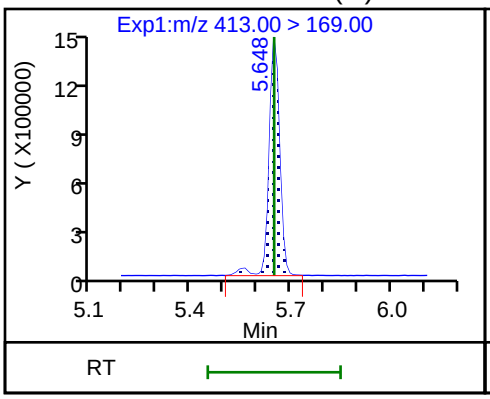
* 38 13C2 PFOA



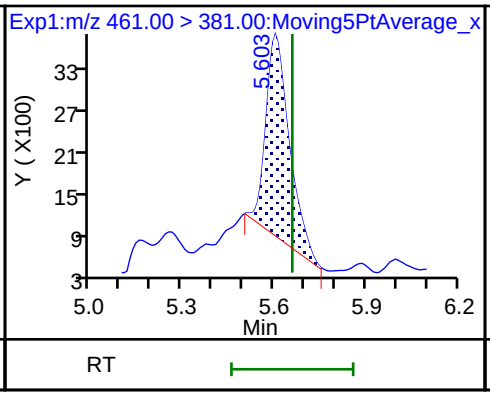
40 Perfluorooctanoic acid (M)



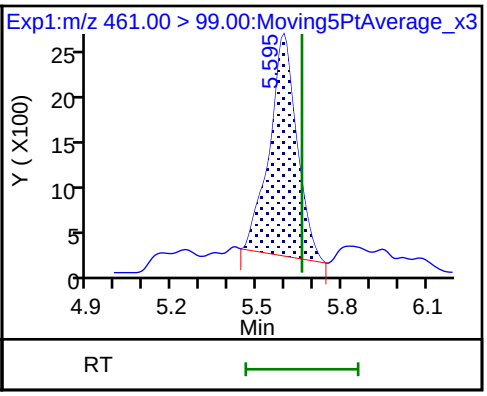
40 Perfluorooctanoic acid (M)



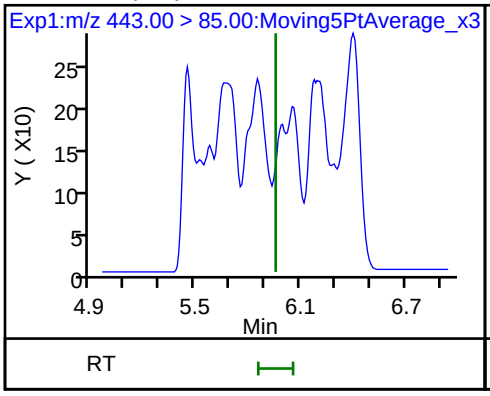
33 PFECHS



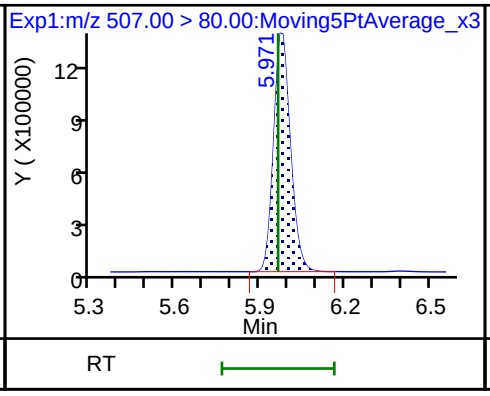
33 PFECHS



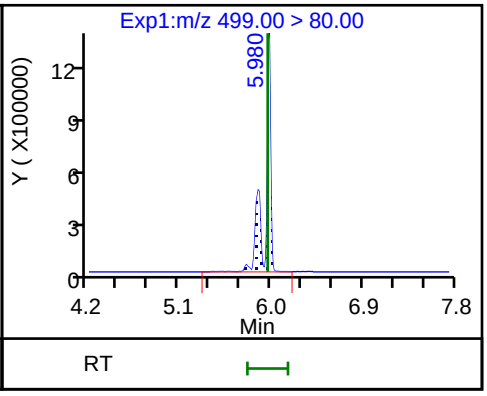
101 TAF (ND)



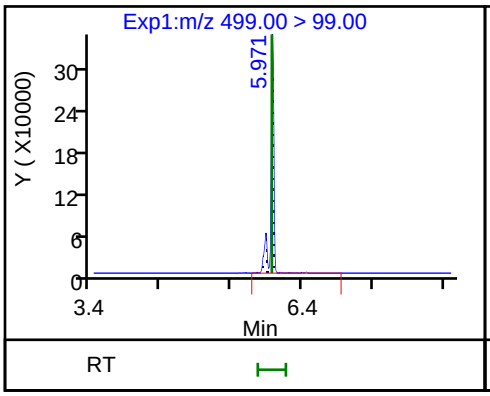
D 41 13C8 PFOS



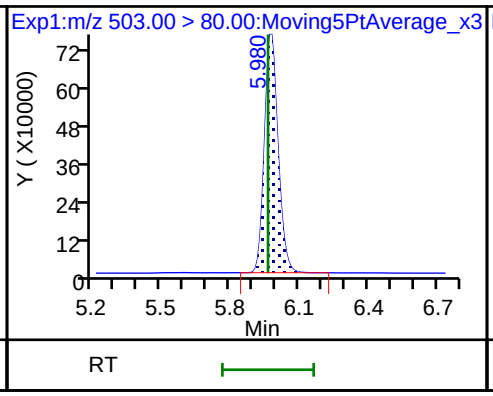
43 Perfluorooctanesulfonic acid



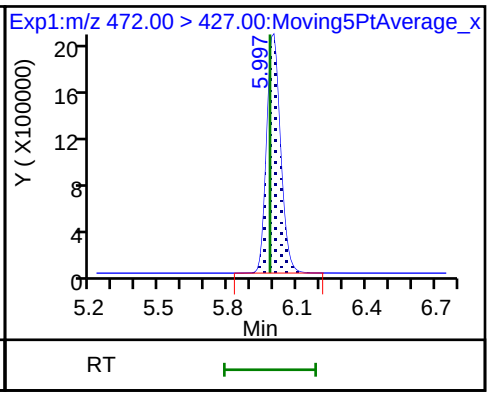
43 Perfluorooctanesulfonic acid



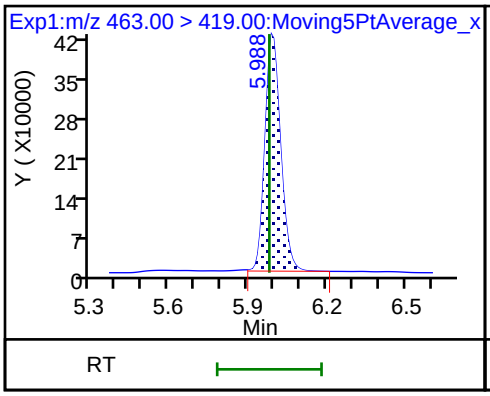
* 42 13C4 PFOS



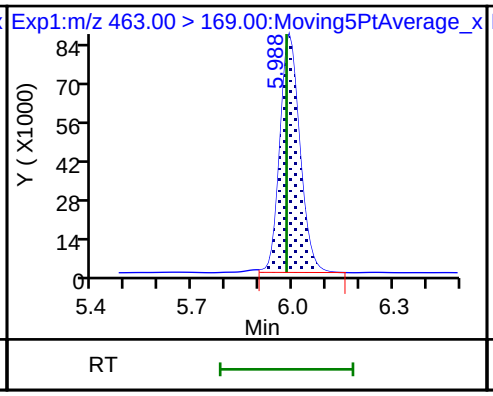
D 45 13C9 PFNA



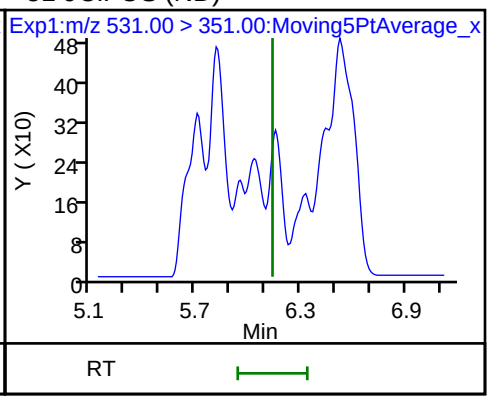
44 Perfluorononanoic acid



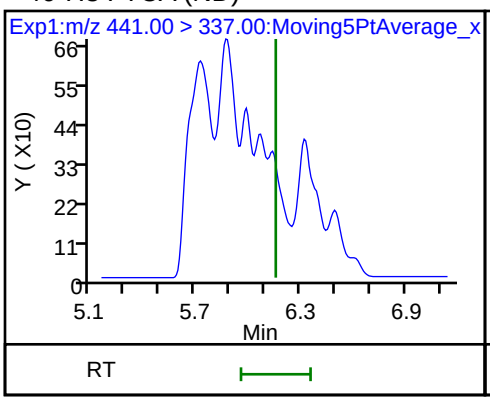
44 Perfluorononanoic acid



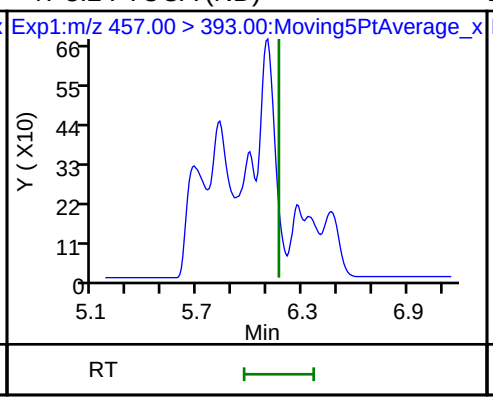
51 9ClFOS (ND)



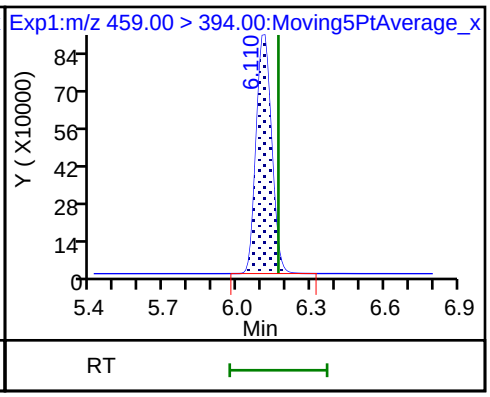
46 7:3 FTCA (ND)



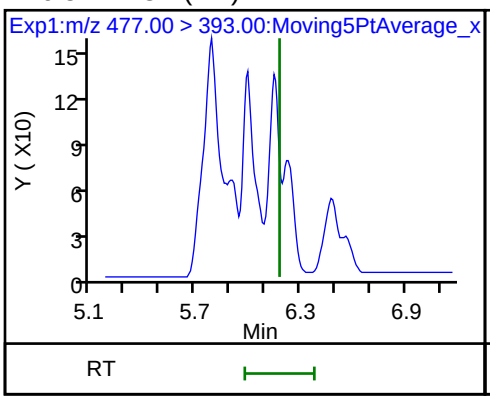
47 8:2 FTUCA (ND)



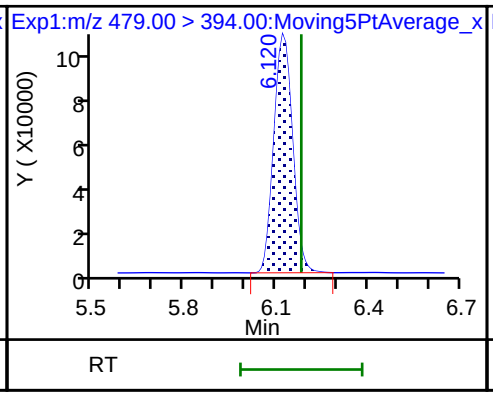
D 48 13C-8:2 FTUCA



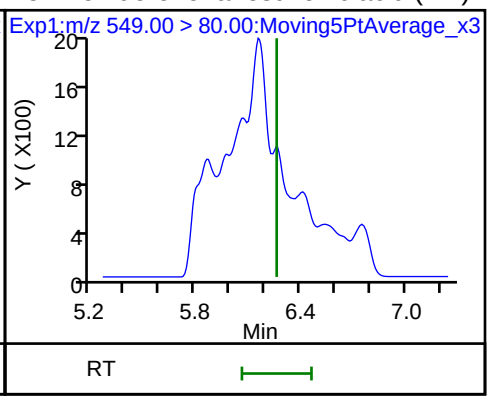
49 8:2 FTCA (ND)



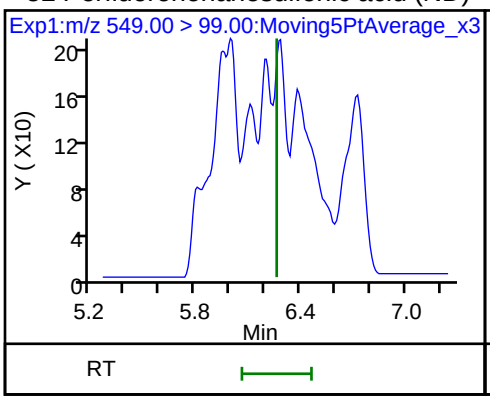
D 50 13C-8:2 FTCA



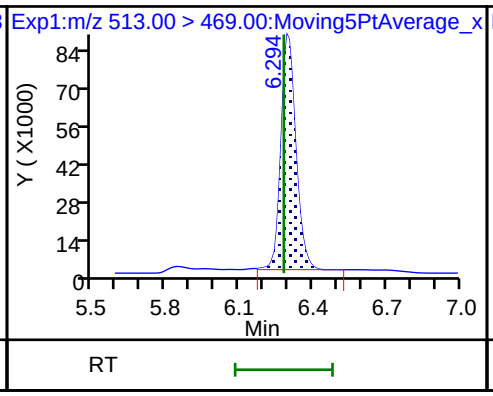
52 Perfluorononanesulfonic acid (ND)



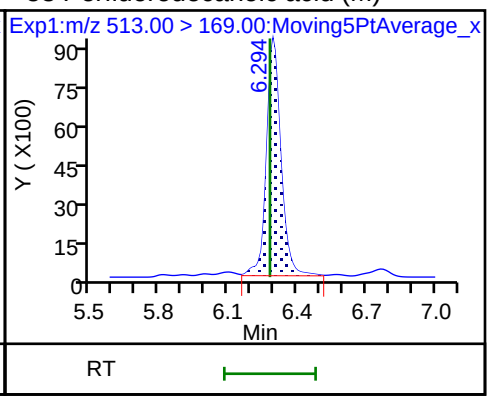
52 Perfluorononanesulfonic acid (ND)



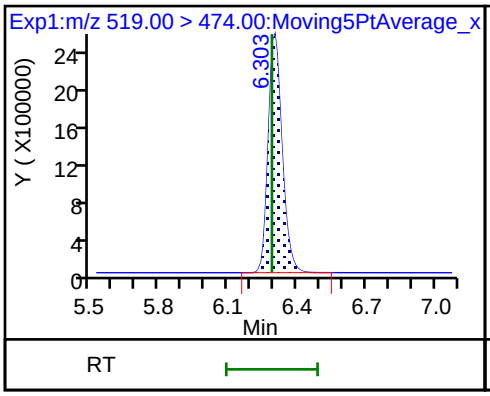
53 Perfluorodecanoic acid



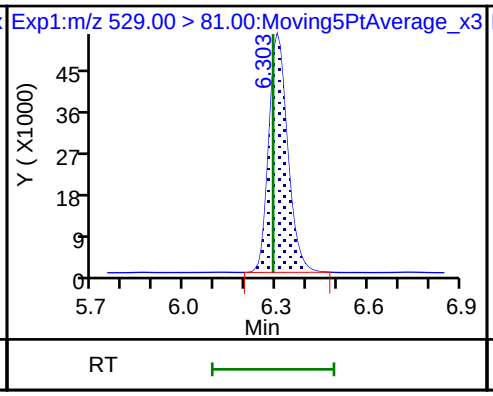
53 Perfluorodecanoic acid (M)



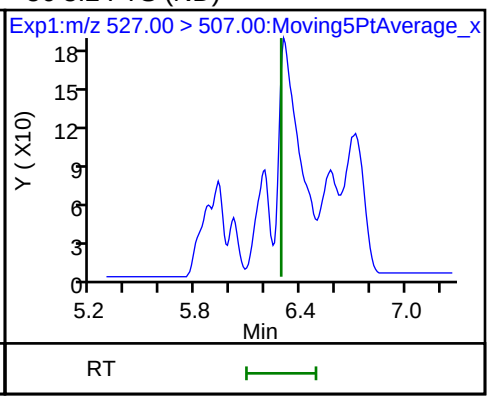
D 54 13C6 PFDA



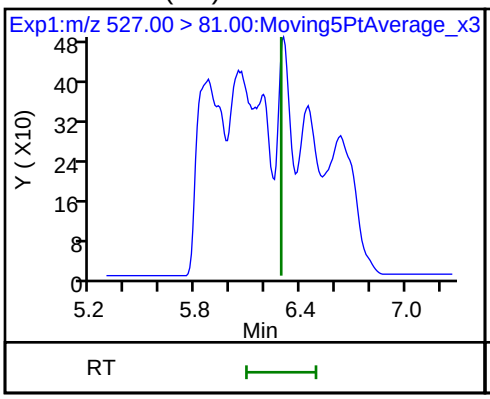
D 57 M2-8:2 FTS



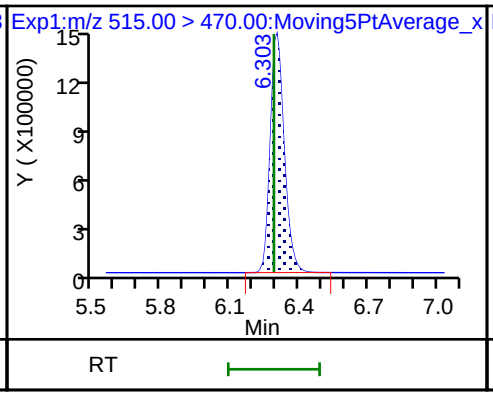
56 8:2 FTS (ND)



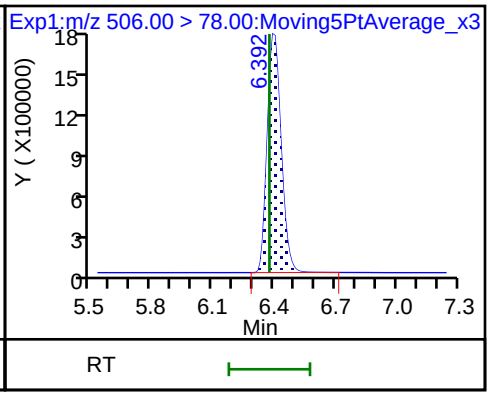
56 8:2 FTS (ND)



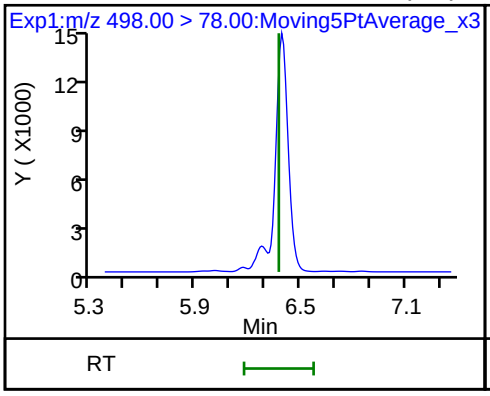
* 55 13C2 PFDA



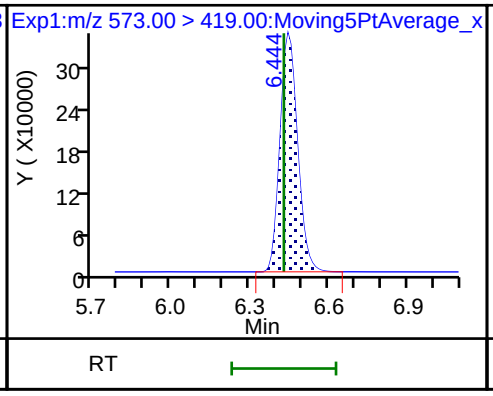
D 59 13C8 FOSA



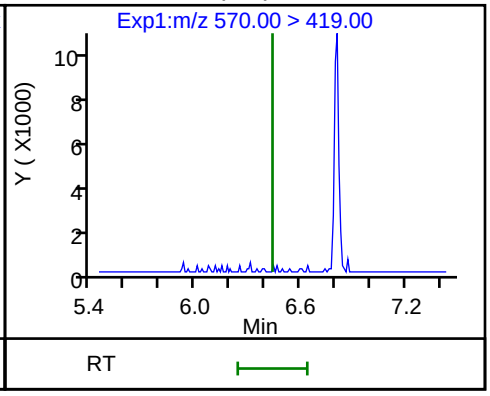
58 Perfluorooctanesulfonamide (ND)



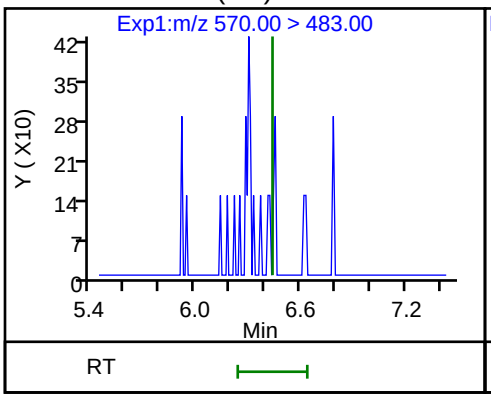
D 61 d3-NMeFOSAA



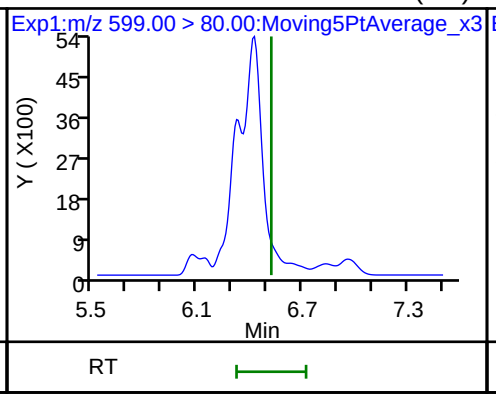
60 NMeFOSAA (ND)



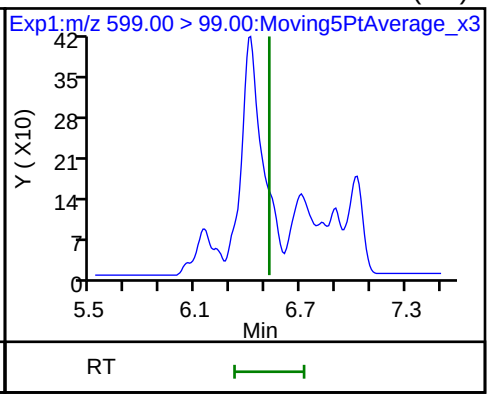
60 NMeFOSAA (ND)



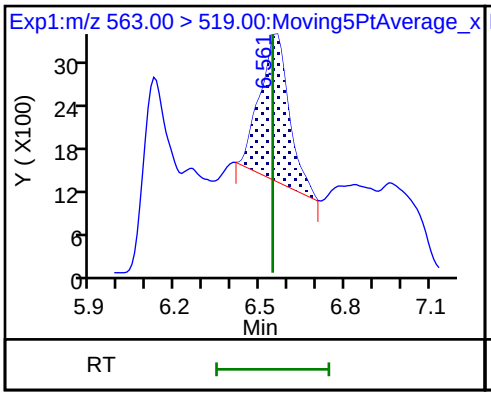
62 Perfluorodecanesulfonic acid (ND)



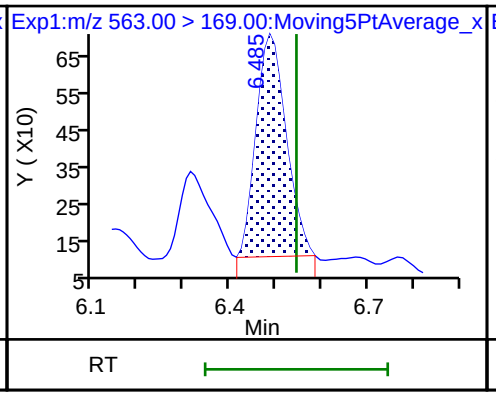
62 Perfluorodecanesulfonic acid (ND)



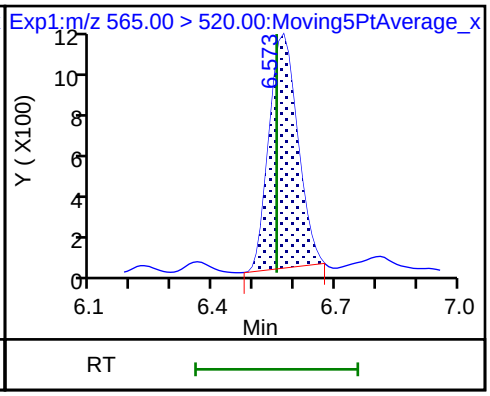
63 Perfluoroundecanoic acid



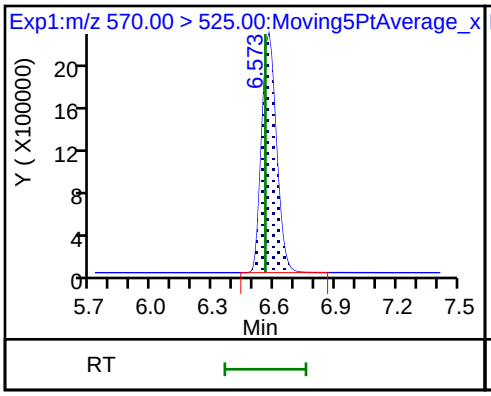
63 Perfluoroundecanoic acid



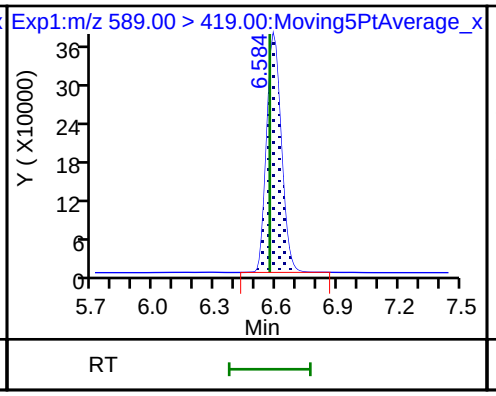
$ 64 13C2 PFUnA



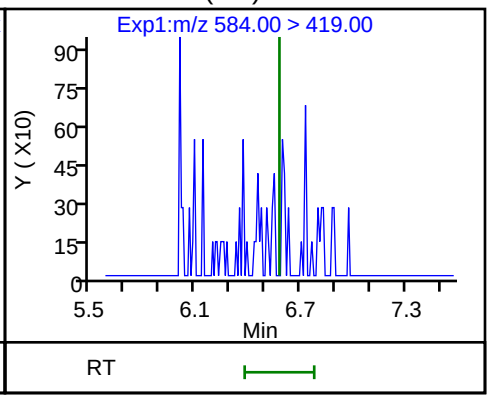
D 65 13C7 PFUnA



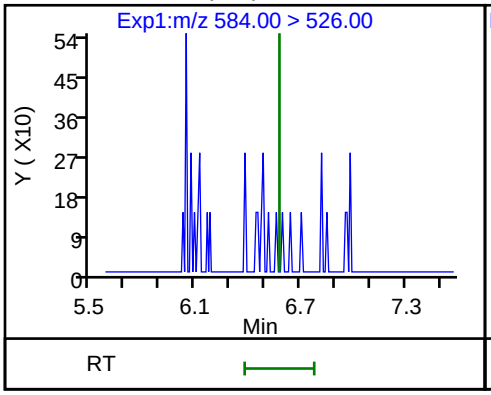
D 66 d5-NEtFOSAA



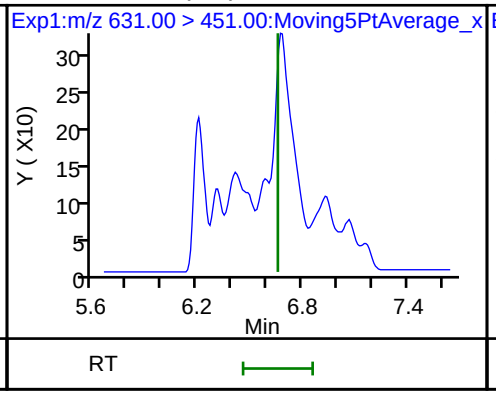
67 NEtFOSAA (ND)



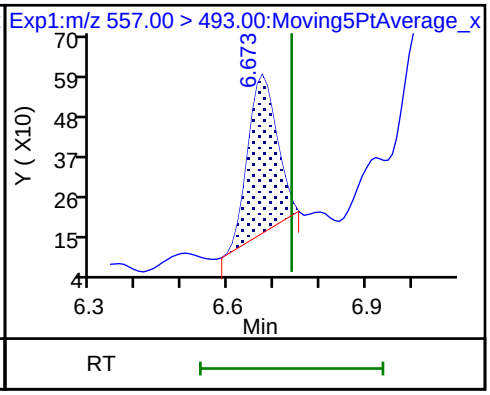
67 NEtFOSAA (ND)



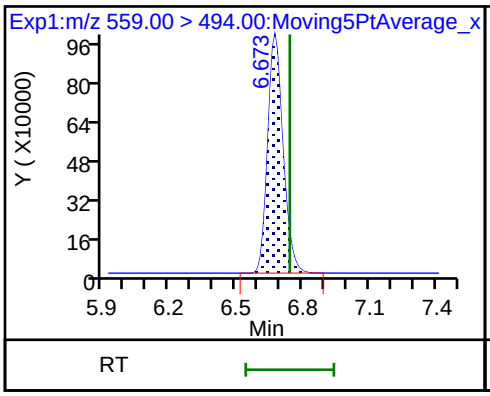
69 11ClFOS (ND)



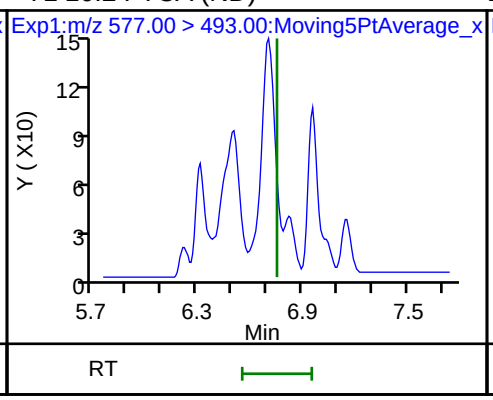
68 10:2 FTUCA



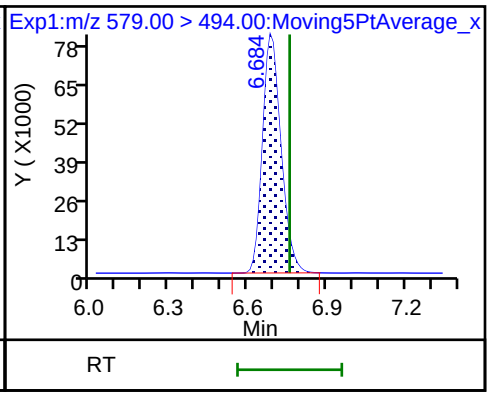
D 70 13C-10:2 FTUCA



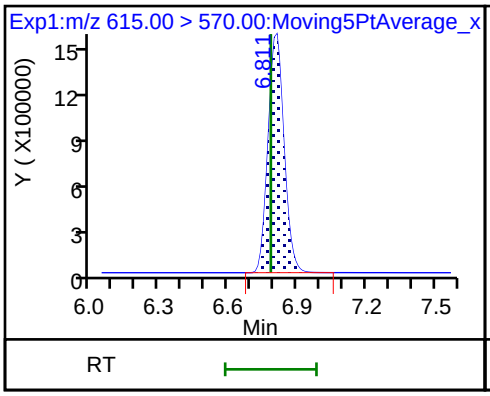
71 10:2 FTCA (ND)



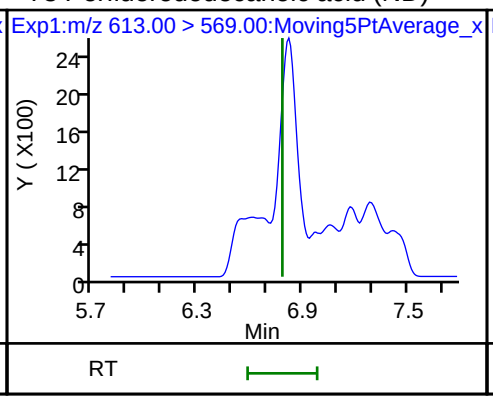
D 72 13C-10:2 FTCA



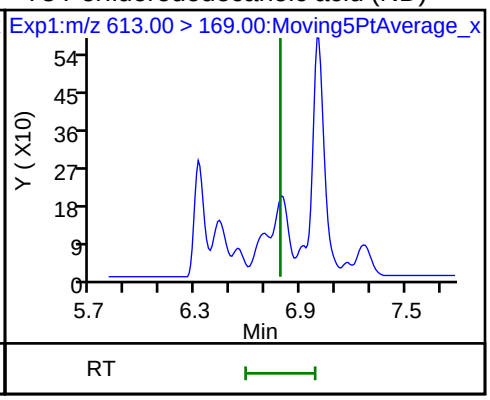
D 74 13C2-PFDoDA



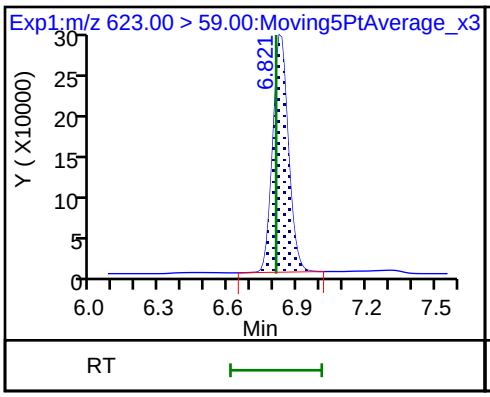
73 Perfluorododecanoic acid (ND)



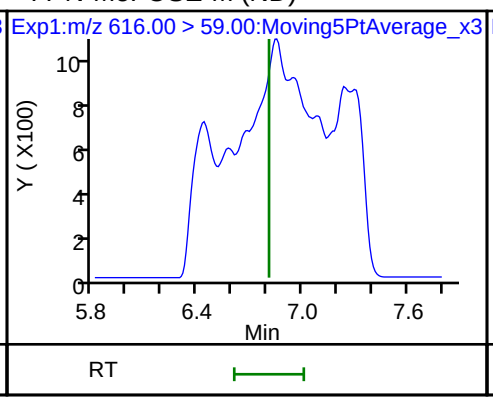
73 Perfluorododecanoic acid (ND)



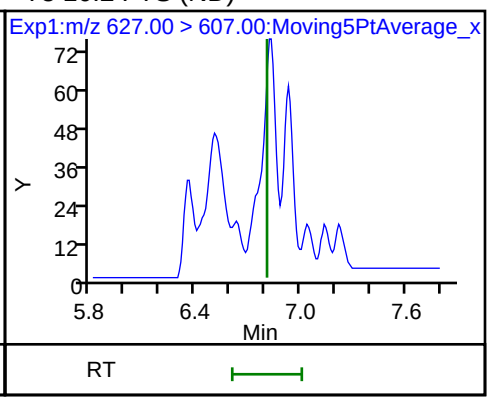
D 76 d7-N-MeFOSE-M



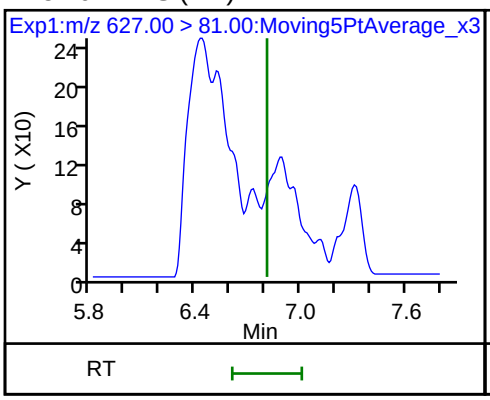
77 N-MeFOSE-M (ND)



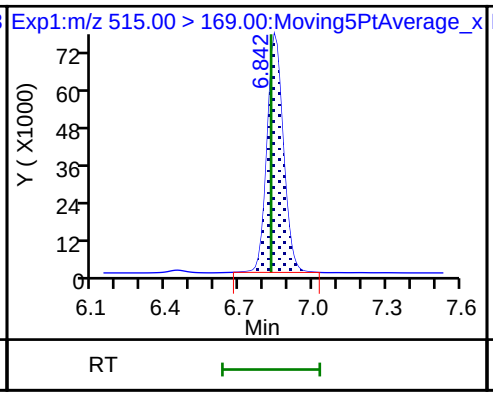
75 10:2 FTS (ND)



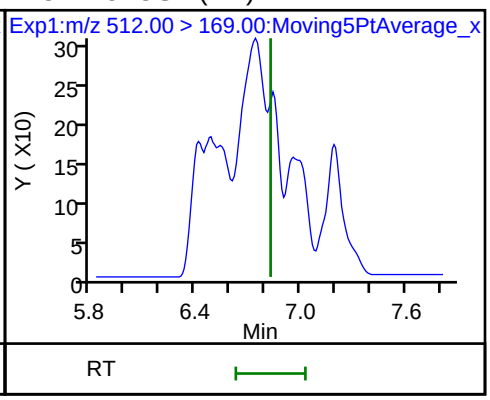
75 10:2 FTS (ND)



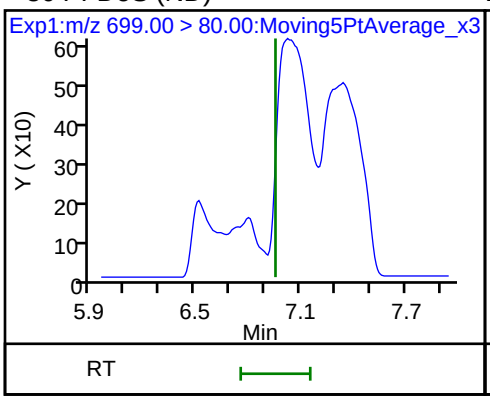
D 79 d3-NMePFOSA



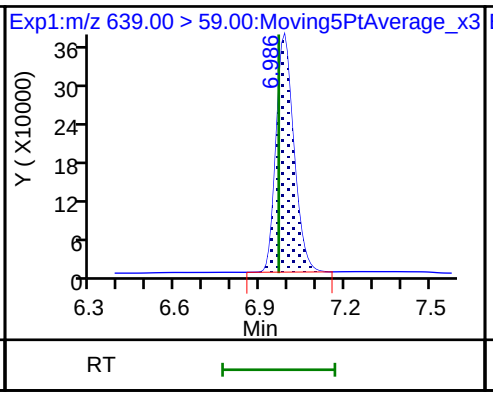
78 NMeFOSA (ND)



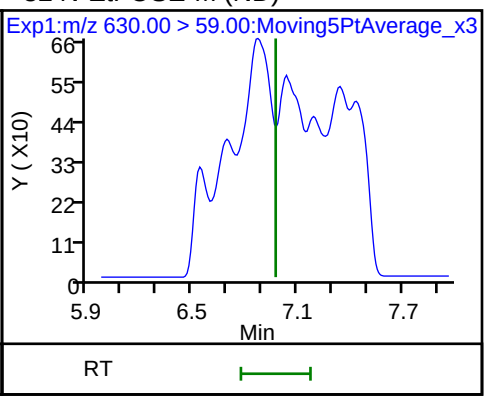
80 PFDoS (ND)



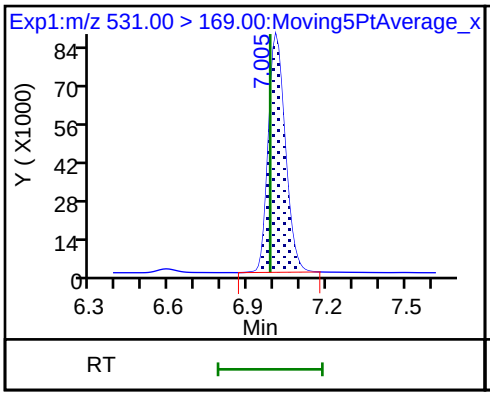
D 81 d9-N-EtFOSE-M



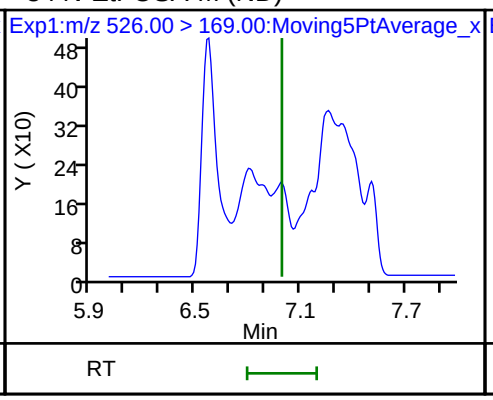
82 N-EtFOSE-M (ND)



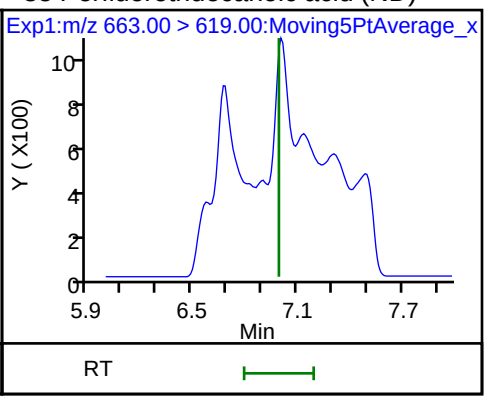
D 83 d5-NEtPFOSA



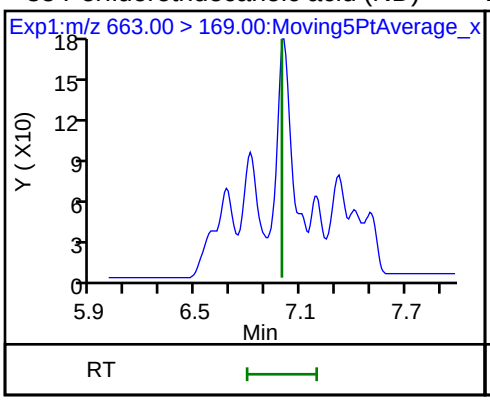
84 N-EtFOSA-M (ND)



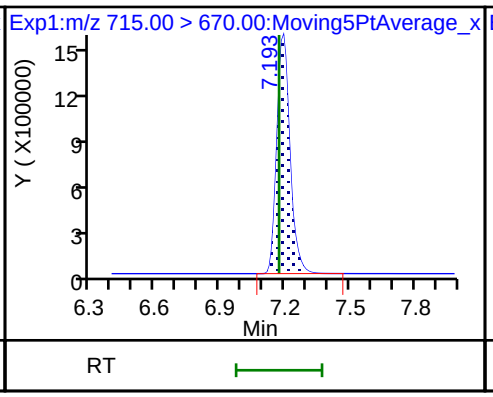
85 Perfluorotridecanoic acid (ND)



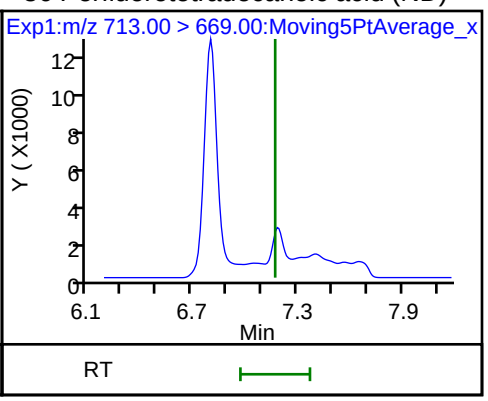
85 Perfluorotridecanoic acid (ND)



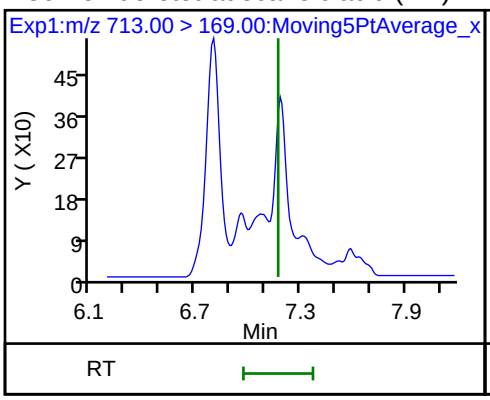
D 87 13C2 PFTeDA



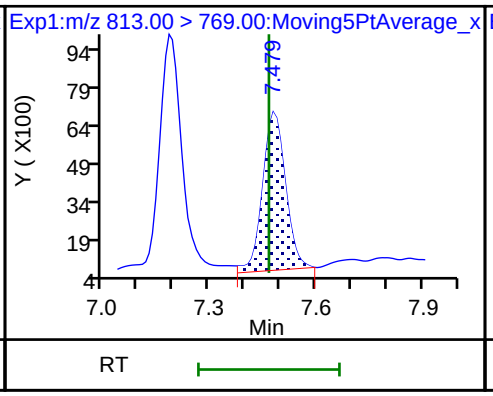
86 Perfluorotetradecanoic acid (ND)



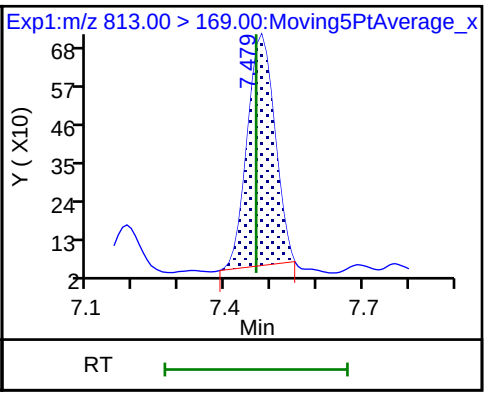
86 Perfluorotetradecanoic acid (ND)



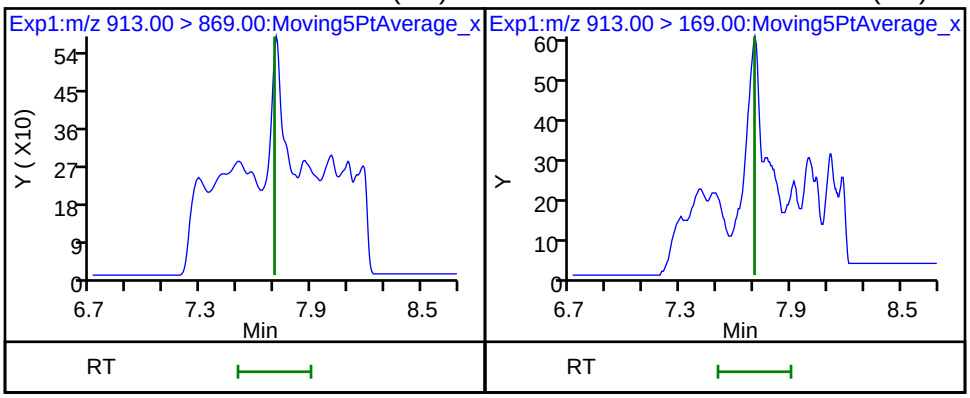
88 Perfluorohexadecanoic acid



88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid (ND) 89 Perfluorooctadecanoic acid (ND)



Eurofins Lancaster Laboratories Env, LLC

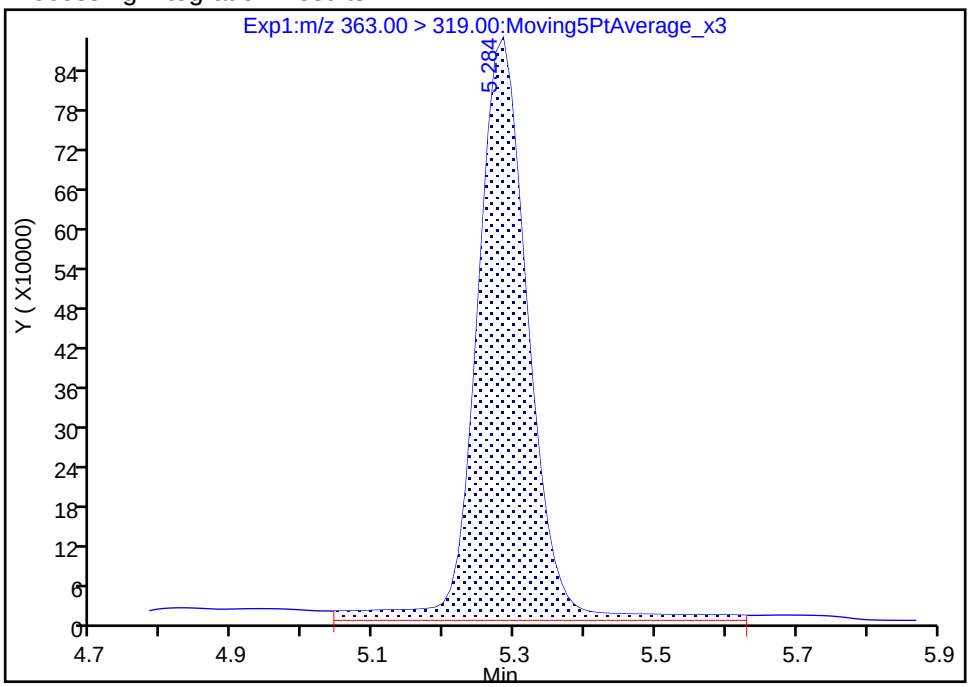
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

23 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

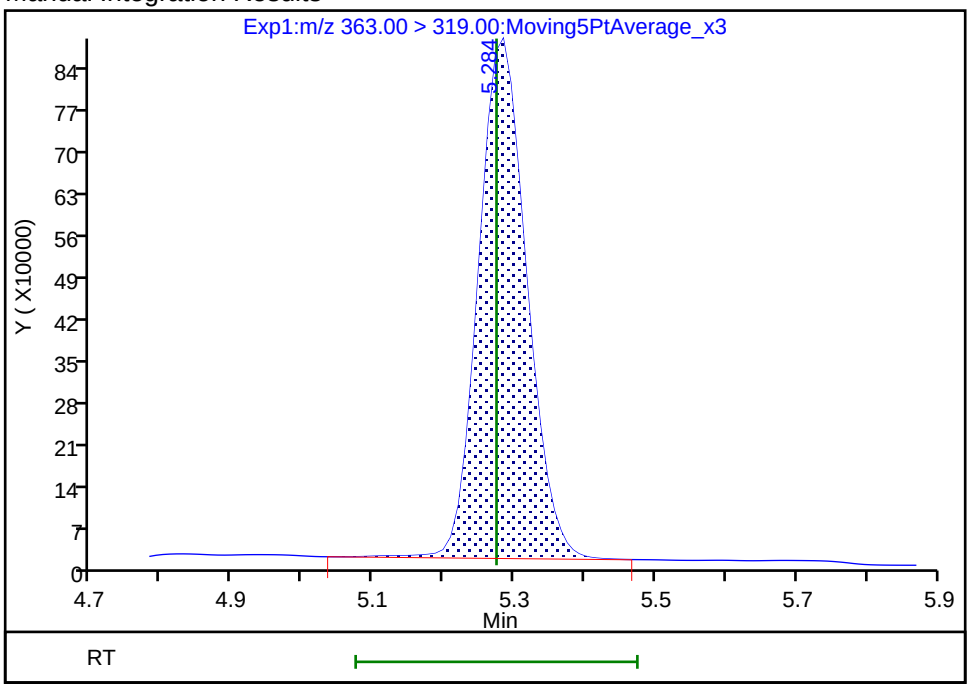
Processing Integration Results

RT: 5.28
Area: 4514245
Amount: 4.454743
Amount Units: ng/ml



Manual Integration Results

RT: 5.28
Area: 4136573
Amount: 4.082049
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:03:07
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

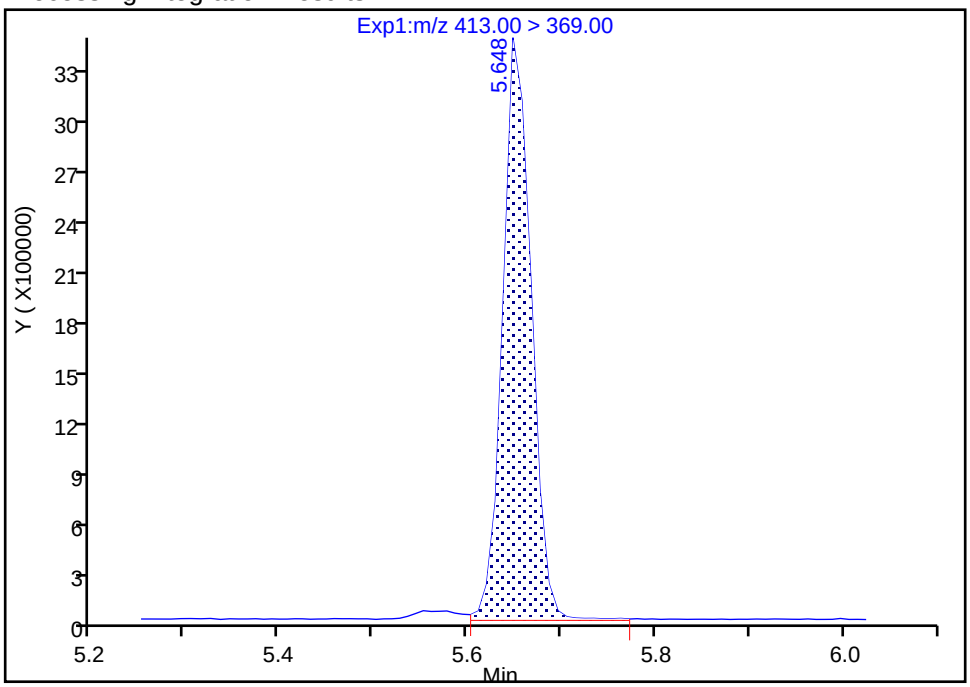
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

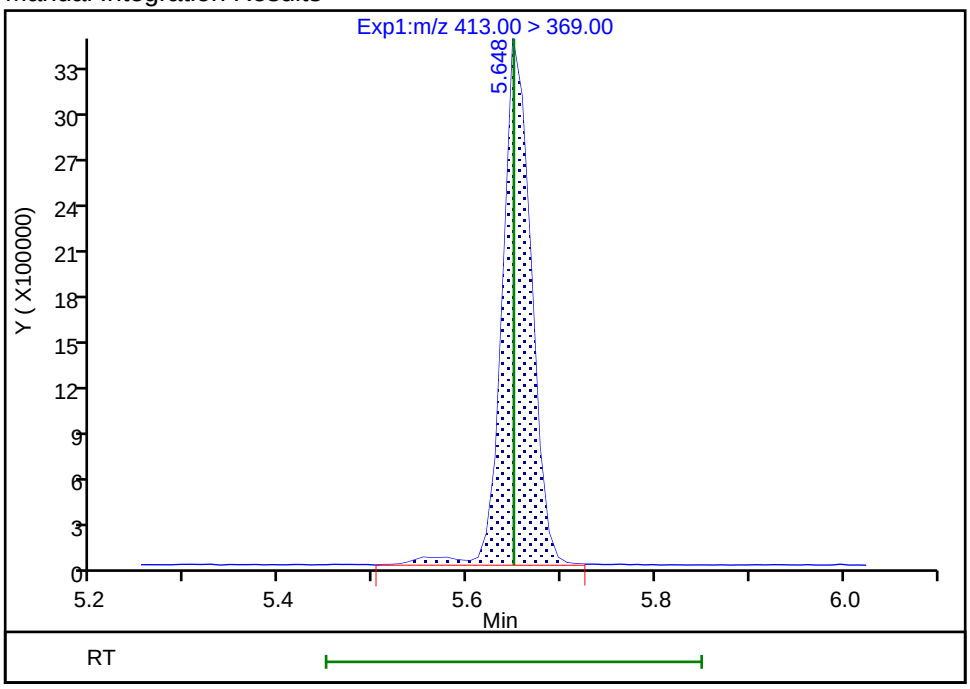
Processing Integration Results

RT: 5.65
Area: 7322186
Amount: 10.114108
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 7436970
Amount: 10.272659
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:04:21
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

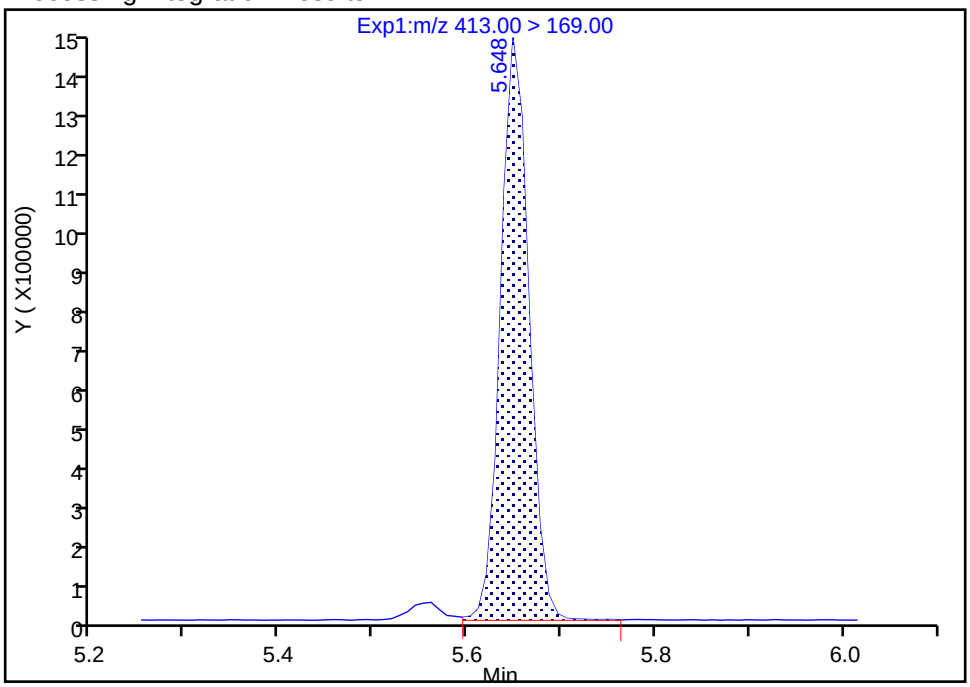
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

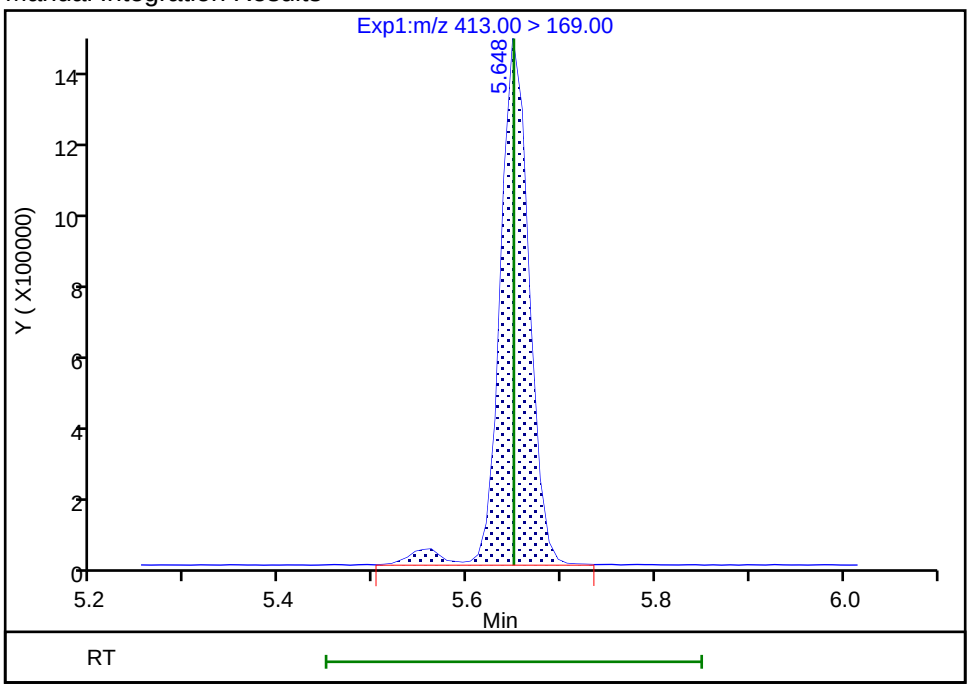
Processing Integration Results

RT: 5.65
Area: 3020893
Amount: 10.114108
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 3125286
Amount: 10.272659
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:05:08

Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC

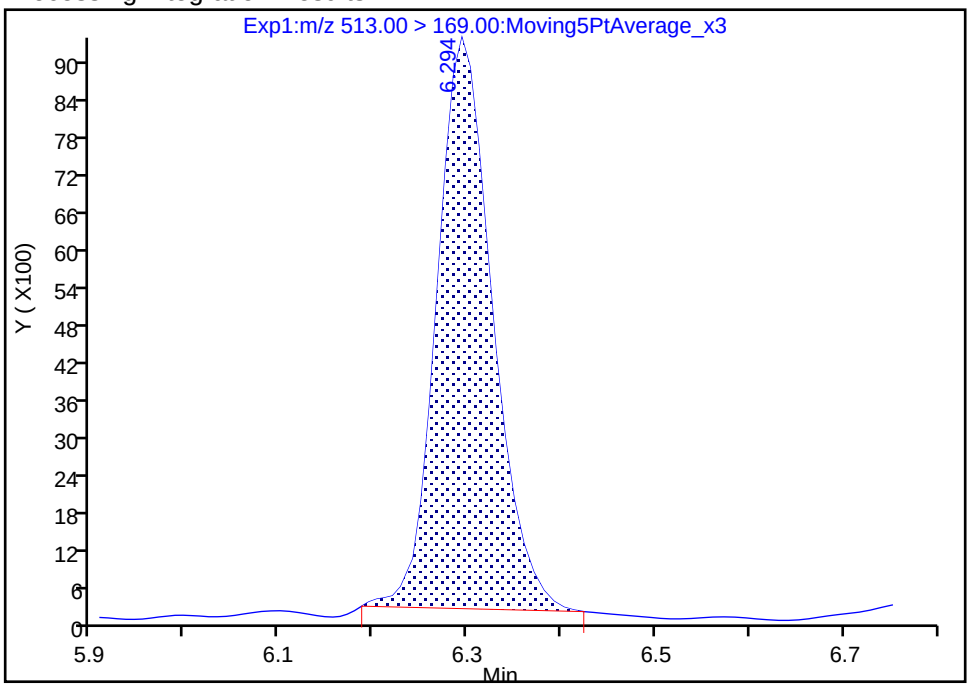
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

53 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

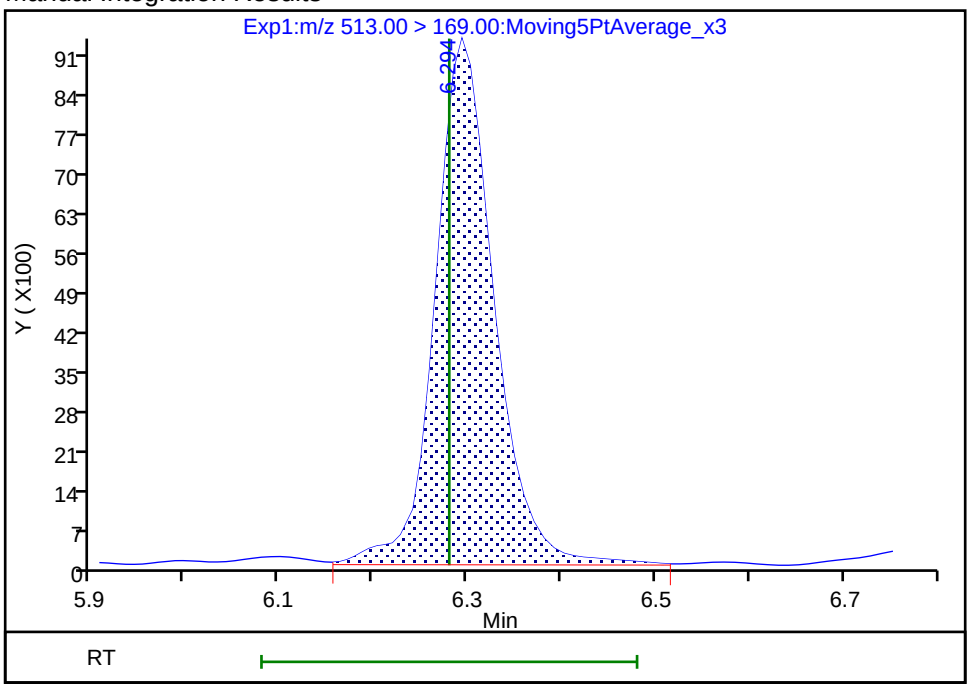
Processing Integration Results

RT: 6.29
Area: 37456
Amount: 0.392933
Amount Units: ng/ml



Manual Integration Results

RT: 6.29
Area: 40561
Amount: 0.392933
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:05:33
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

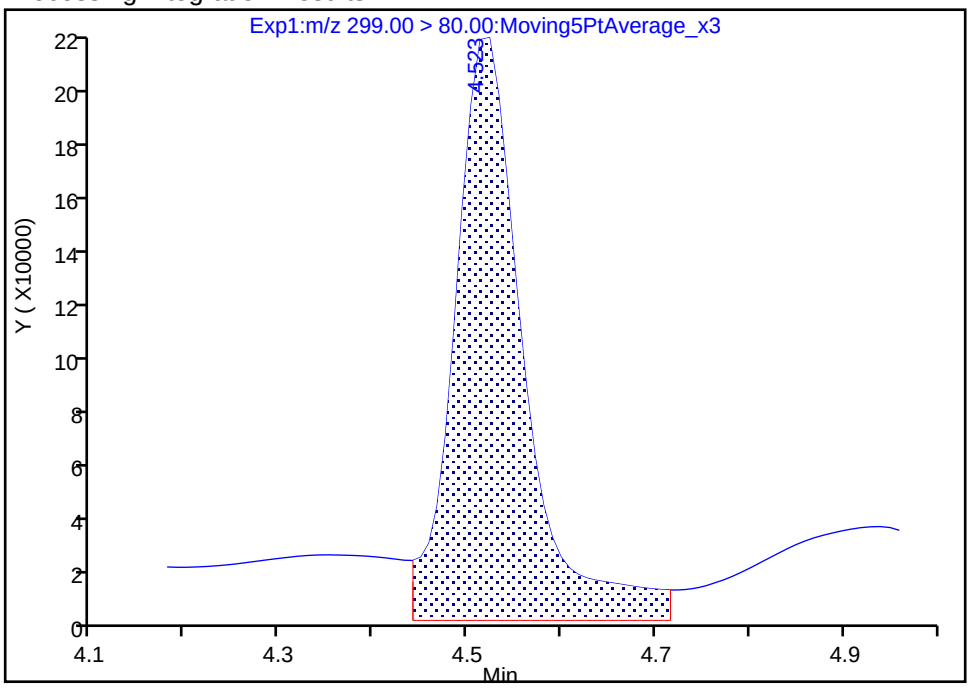
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

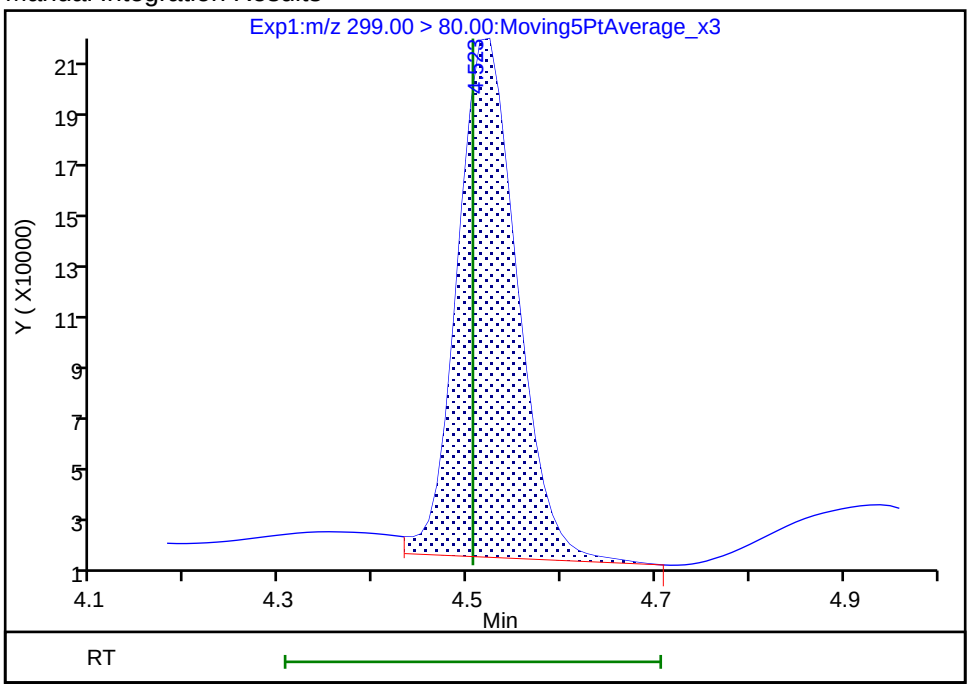
Processing Integration Results

RT: 4.52
Area: 1102006
Amount: 1.985195
Amount Units: ng/ml



Manual Integration Results

RT: 4.52
Area: 885267
Amount: 1.594753
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:01:22

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

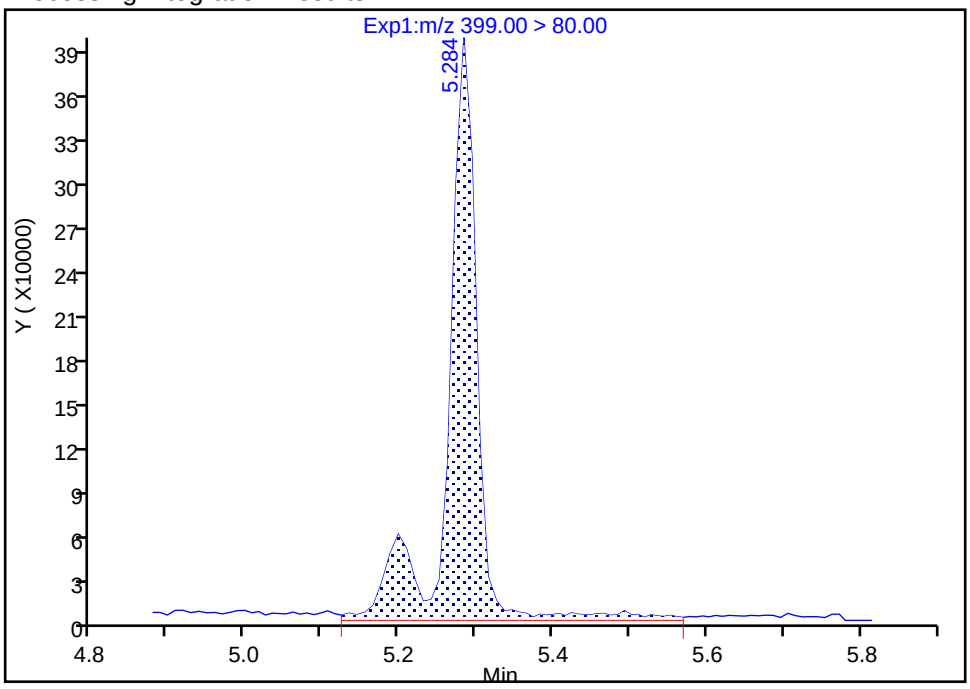
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

26 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

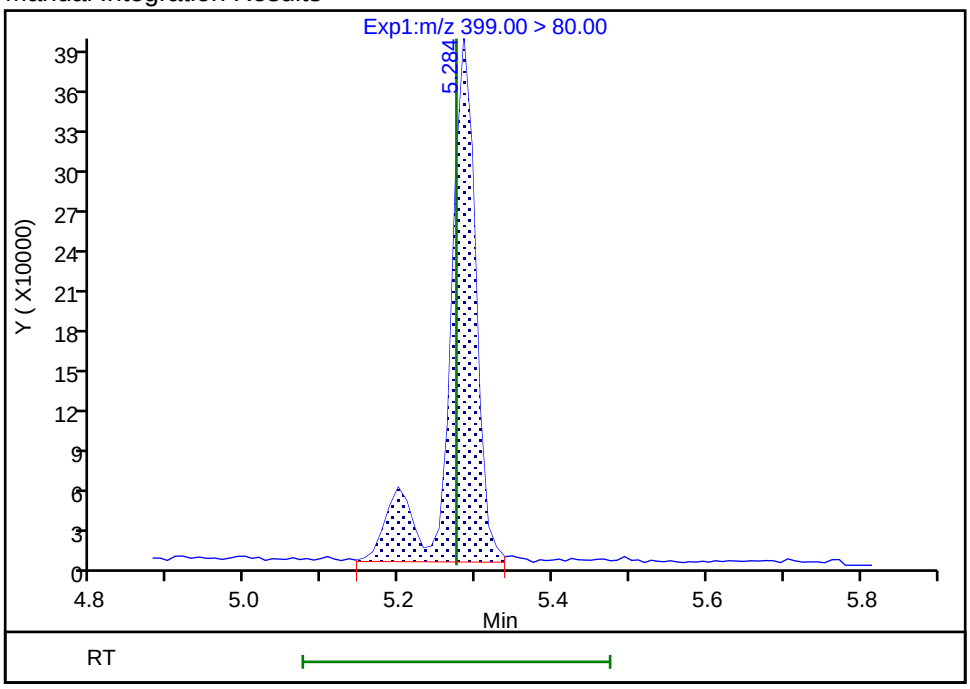
Processing Integration Results

RT: 5.28
Area: 1044113
Amount: 1.834045
Amount Units: ng/ml



Manual Integration Results

RT: 5.28
Area: 953725
Amount: 1.675273
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:03:40
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

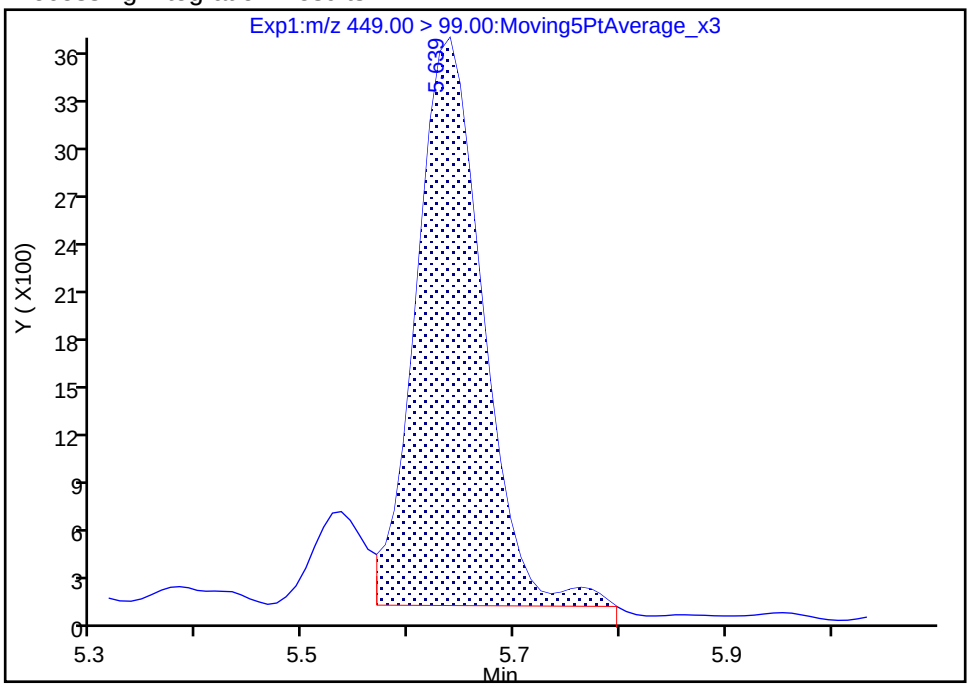
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

36 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

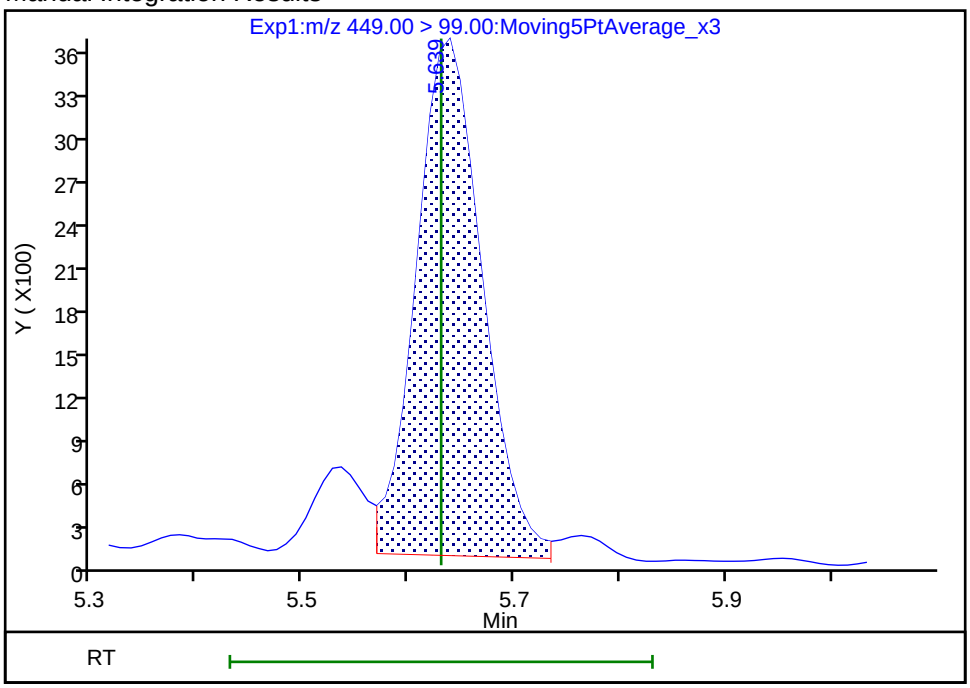
Processing Integration Results

RT: 5.64
Area: 15167
Amount: 0.118082
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 15135
Amount: 0.118082
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:04:04
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

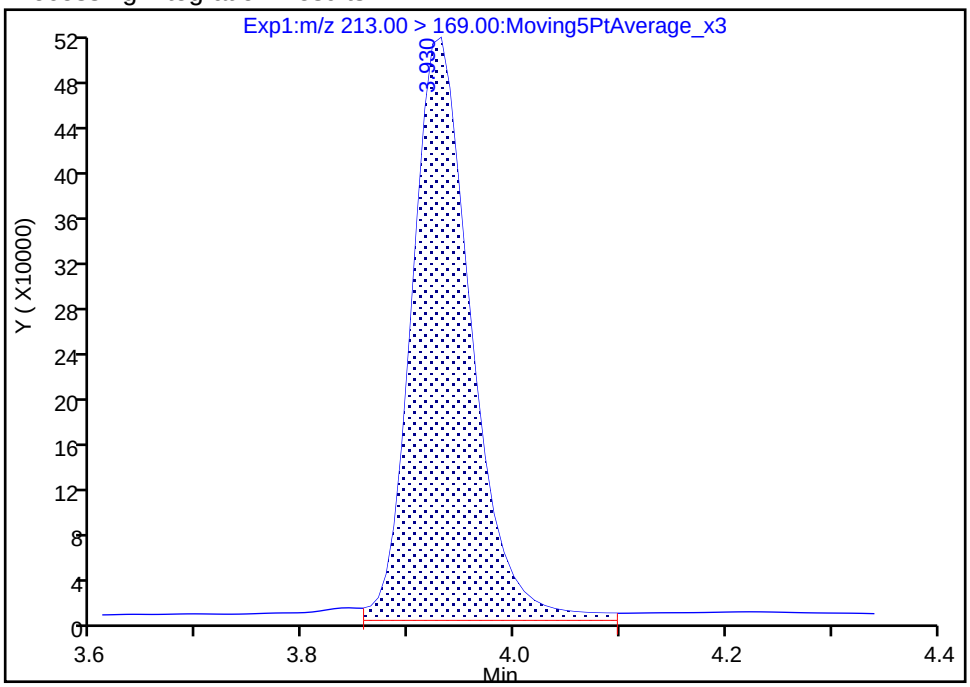
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

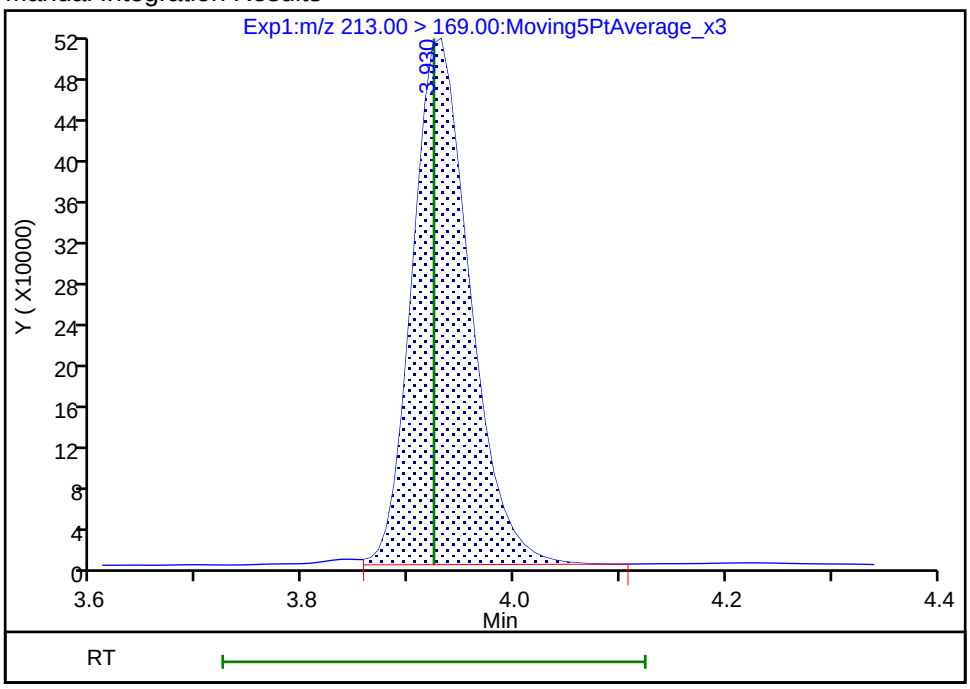
Processing Integration Results

RT: 3.93
Area: 2019912
Amount: 3.797393
Amount Units: ng/ml



Manual Integration Results

RT: 3.93
Area: 1933500
Amount: 3.634941
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:00:41
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

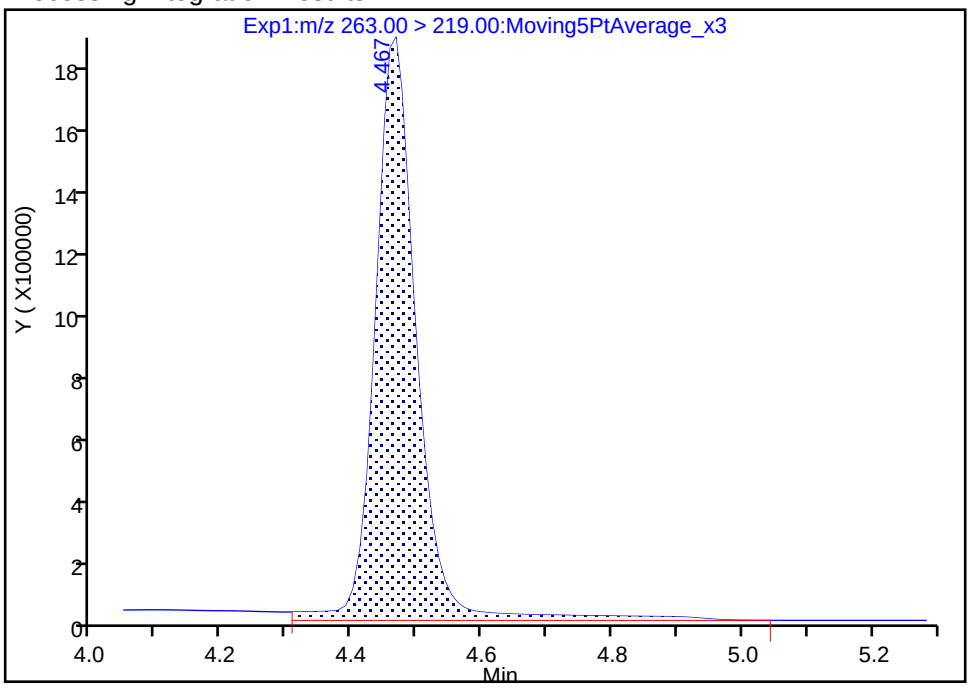
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-27.d				
Injection Date:	22-Jul-2021 05:26:33	Instrument ID:	30733		
Lims ID:	460-239002-A-4-A	Lab Sample ID:	410-239002-4		
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	24	Worklist Smp#:	27
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

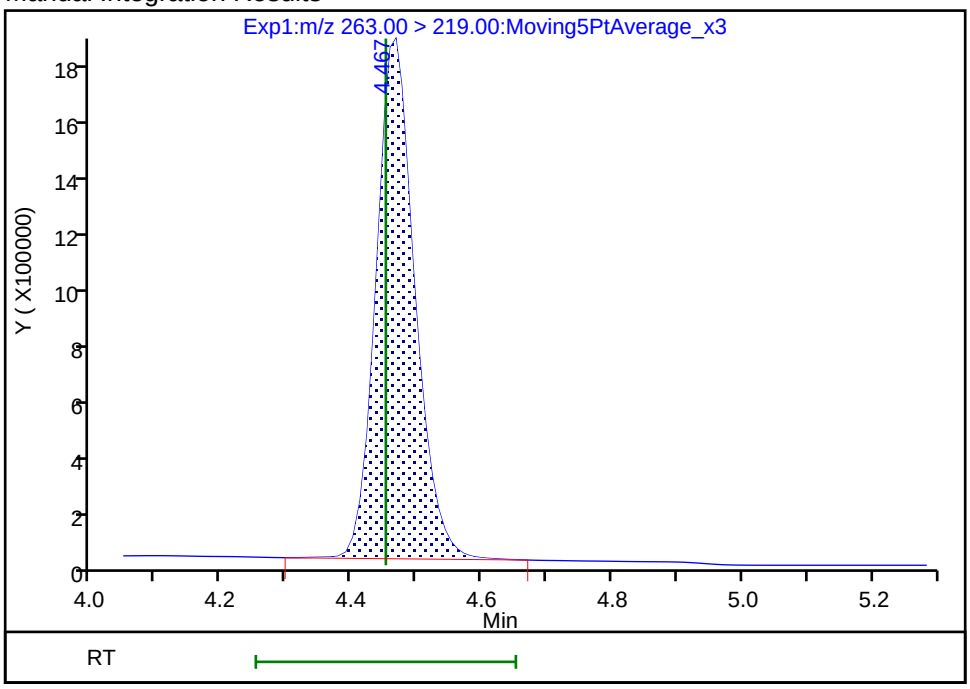
Processing Integration Results

RT: 4.47
Area: 8291747
Amount: 13.185752
Amount Units: ng/ml



Manual Integration Results

RT: 4.47
Area: 7575237
Amount: 12.046340
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:01:02
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: FB071621 Lab Sample ID: 460-239002-5

Matrix: Water Lab File ID: 21JUL21-30.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 13:40

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 300.1(mL) Date Analyzed: 07/22/2021 05:59

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	1.67	U	1.67	0.42
375-85-9	Perfluoroheptanoic acid	1.67	U	1.67	0.42
335-67-1	Perfluorooctanoic acid	1.67	U	1.67	0.42
375-95-1	Perfluorononanoic acid	1.67	U	1.67	0.42
335-76-2	Perfluorodecanoic acid	1.67	U	1.67	0.42
72629-94-8	Perfluorotridecanoic acid	1.67	U	1.67	0.42
376-06-7	Perfluorotetradecanoic acid	1.67	U	1.67	0.42
375-73-5	Perfluorobutanesulfonic acid	1.67	U	1.67	0.42
355-46-4	Perfluorohexanesulfonic acid	1.67	U	1.67	0.42
1763-23-1	Perfluorooctanesulfonic acid	1.67	U	1.67	0.42
2991-50-6	NEtFOSAA	2.50	U	2.50	0.42
2355-31-9	NMeFOSAA	1.67	U	1.67	0.50
375-92-8	Perfluoroheptanesulfonic acid	1.67	U	1.67	0.42
335-77-3	Perfluorodecanesulfonic acid	1.67	U	1.67	0.42
754-91-6	Perfluorooctanesulfonamide	1.67	U	1.67	0.42
375-22-4	Perfluorobutanoic acid	4.17	U	4.17	1.67
2058-94-8	Perfluoroundecanoic acid	1.67	U	1.67	0.42
307-55-1	Perfluorododecanoic acid	1.67	U	1.67	0.42
27619-97-2	6:2 Fluorotelomer sulfonic acid	4.17	U	4.17	1.67
39108-34-4	8:2 Fluorotelomer sulfonic acid	2.50	U	2.50	0.83
2706-90-3	Perfluoropentanoic acid	1.67	U	1.67	0.42

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: FB071621 Lab Sample ID: 460-239002-5

Matrix: Water Lab File ID: 21JUL21-30.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 13:40

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 300.1(mL) Date Analyzed: 07/22/2021 05:59

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	131		34-182
STL02279	M2-6:2 FTS	123		29-189
STL02577	13C5 PFHxA	83		31-142
STL01892	13C4 PFHpA	92		30-144
STL01052	13C8 PFOA	83		49-127
STL02578	13C9 PFNA	101		47-136
STL02579	13C6 PFDA	98		47-128
STL02580	13C7 PFUnA	98		40-135
STL02703	13C2-PFDoDA	87		28-136
STL02116	13C2 PFTeDA	79		10-144
STL02337	13C3 PFBS	86		19-178
STL02581	13C3 PFHxS	81		32-145
STL01054	13C8 PFOS	92		49-126
STL02118	d3-NMeFOSAA	80		32-151
STL02117	d5-NEtFOSAA	105		37-164
STL01056	13C8 FOSA	55		10-143
STL00992	13C4 PFBA	89		41-132
STL01893	13C5 PFPeA	95		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-30.d
Lims ID: 460-239002-A-5-A
Client ID: FB071621
Sample Type: Client
Inject. Date: 22-Jul-2021 05:59:48 ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-5-A
Misc. Info.: Plate: 1 Rack: 1 410-0034909-030
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 17:18:28 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 17:18:28
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.923	3.924	-0.001	1.000	8410507	8.89		88.9	228682	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.915	3.924	-0.009	0.998	35868	0.0495			54.4	
* 4 13C3-PFBA										
216.00 > 172.00	3.923	3.924	-0.001		4209175	5.00			35537	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.459	4.452	0.007	1.000	37305	0.0473			24.0	
D 8 13C5 PFPeA										
268.00 > 223.00	4.459	4.461	-0.001	1.137	8345753	9.54		95.4	204229	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.514	4.506	0.008	1.000	29955	0.0463	Target=3.13		42.9	
299.00 > 99.00	4.504	4.506	-0.002	0.998	9550		3.14(1.57-4.70)		39.3	
D 11 13C3 PFBS										
302.00 > 80.00	4.514	4.515	-0.001	1.151	5852013	7.96		85.6	231156	
17 Perfluorohexanoic acid										M
313.00 > 269.00		4.871				0				
313.00 > 119.00		4.871								
D 19 13C5 PFHxA										
318.00 > 273.00	4.879	4.881	-0.002	0.864	10113091	8.34		83.4	253442	
D 25 13C3 PFHxS										
402.00 > 80.00	5.274	5.274	0.0	0.934	6582756	7.70		81.4	236893	
D 24 13C4 PFHpA										
367.00 > 322.00	5.274	5.274	0.0	0.934	11479805	9.23		92.3	245944	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.274	5.274	0.0	1.000	12860	0.0108	Target=3.85		59.2	
363.00 > 169.00	5.274	5.274	0.0	1.000	2733		4.71(1.93-5.78)		59.9	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 Perfluorohexanesulfonic acid										
399.00 > 80.00		5.274				ND				
399.00 > 99.00		5.274								
D 35 M2-6:2 FTS										
429.00 > 81.00	5.630	5.621	0.009	0.997	385368	11.7		123	30306	
34 6:2 FTS										
427.00 > 407.00		5.621				ND				
427.00 > 81.00		5.621								
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00		5.630				ND				
449.00 > 99.00		5.630								
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.640	0.009	1.000	11201794	8.30		83.0	369957	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.640	0.009		4939893	5.00			143291	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.649	5.649	0.0	1.000	57723	0.0690	Target=2.48		887	
413.00 > 169.00	5.649	5.649	0.0	1.000	19019		3.04(1.24-3.72)		732	
D 41 13C8 PFOS										
507.00 > 80.00	5.963	5.963	0.0	1.000	6262386	8.84		92.4	109672	
43 Perfluorooctanesulfonic acid										M
499.00 > 80.00	5.963	5.963	0.0	1.000	73322	0.1024	Target=4.45		8936	M
499.00 > 99.00	5.954	5.963	-0.009	0.999	19528		3.75(2.23-6.68)		4477	M
* 42 13C4 PFOS										
503.00 > 80.00	5.963	5.963	0.0		3281510	4.78			134238	
D 45 13C9 PFNA										
472.00 > 427.00	5.980	5.981	-0.001	1.003	9896942	10.1		101	218470	
44 Perfluorononanoic acid										
463.00 > 419.00		5.981				ND				
463.00 > 169.00		5.981								
53 Perfluorodecanoic acid										
513.00 > 469.00	6.281	6.280	0.001	1.000	28605	0.0264	Target=10.20		249	
513.00 > 169.00	6.272	6.280	-0.008	0.999	2421		11.82(5.10-15.29)		101	
D 54 13C6 PFDA										
519.00 > 474.00	6.281	6.289	-0.008	1.000	12423444	9.80		98.0	600653	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.290	6.289	0.001	1.001	272848	12.6		131	22052	
56 8:2 FTS										
527.00 > 507.00		6.289				ND				
527.00 > 81.00		6.289								
* 55 13C2 PFDA										
515.00 > 470.00	6.281	6.289	-0.008		6668643	5.00			270578	
D 59 13C8 FOSA										
506.00 > 78.00	6.376	6.375	0.001	1.015	6854715	5.47		54.7	183757	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.376	6.375	0.001	1.000	46138	0.0680			2039	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.429	6.429	0.001	1.024	1843852	8.01		80.1	99297	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
60 NMeFOSAA										
570.00 > 419.00		6.439				ND				
570.00 > 483.00		6.439								
62 Perfluorodecanesulfonic acid										
599.00 > 80.00		6.521				ND				
599.00 > 99.00		6.521								
63 Perfluoroundecanoic acid										
563.00 > 519.00		6.544				ND				
563.00 > 169.00		6.544								
D 65 13C7 PFUnA										
570.00 > 525.00	6.557	6.556	0.0	1.044	11840534	9.81		98.1	295225	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.568	6.567	0.001	1.046	1857853	10.5		105	30824	
67 NEtFOSAA										
584.00 > 419.00		6.579				ND				
584.00 > 526.00		6.579								
D 74 13C2-PFDoDA										
615.00 > 570.00	6.785	6.784	0.001	1.080	8035877	8.68		86.8	271177	
73 Perfluorododecanoic acid										
613.00 > 569.00		6.784				ND				
613.00 > 169.00		6.784								
85 Perfluorotridecanoic acid										
663.00 > 619.00		6.993				ND				
663.00 > 169.00		6.993								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.181	7.172	0.009	1.143	7706988	7.87		78.7	228883	
86 Perfluorotetradecanoic acid										
713.00 > 669.00		7.172				ND				
713.00 > 169.00		7.172								

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 17:19:05 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-30.d

Injection Date: 22-Jul-2021 05:59:48 Instrument ID: 30733

Lims ID: 460-239002-A-5-A Lab Sample ID: 410-239002-5

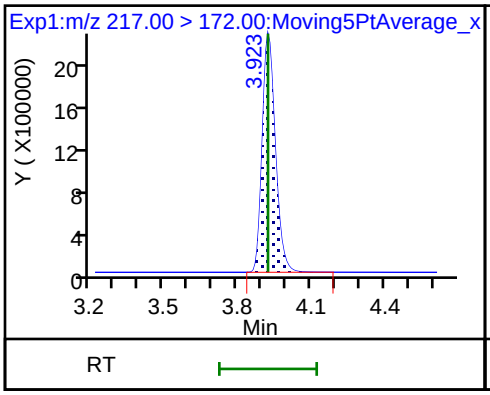
Client ID: FB071621

Operator ID: US19_USR_INS20260 ALS Bottle#: 27 Worklist Smp#: 30

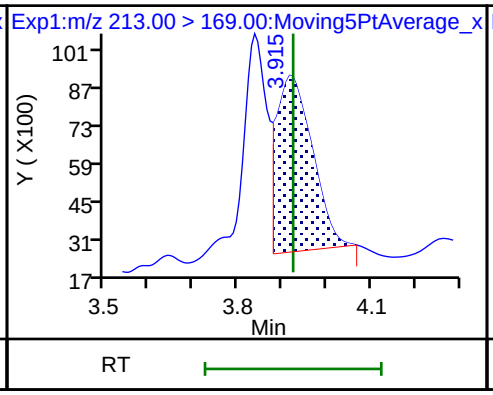
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

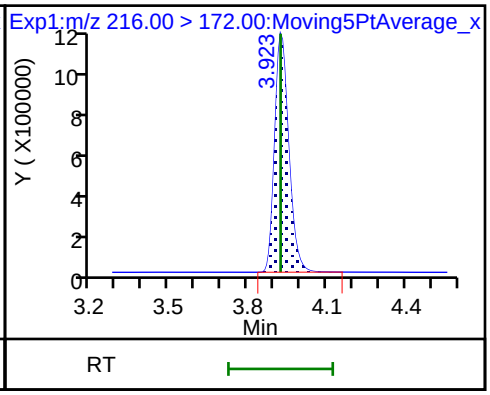
D 3 13C4 PFBA



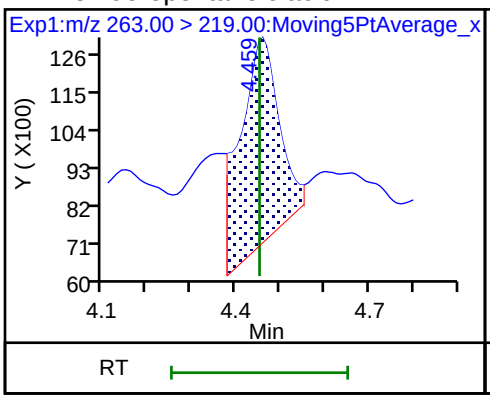
2 Perfluorobutanoic acid



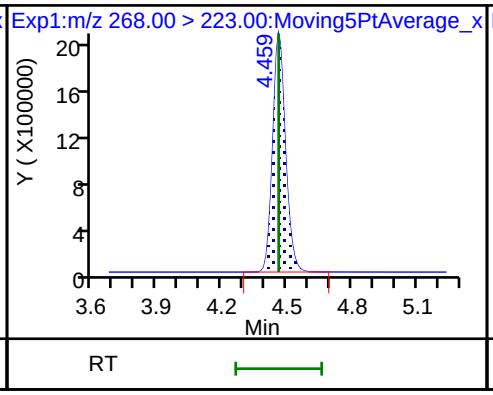
* 4 13C3-PFBA



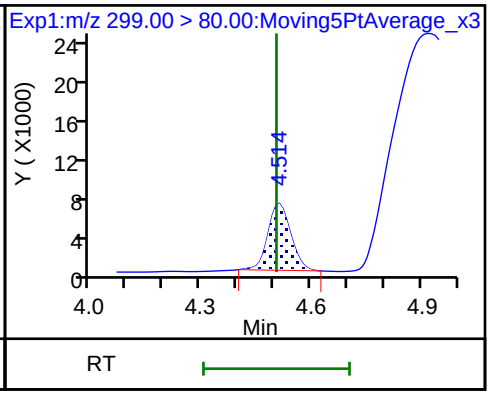
7 Perfluoropentanoic acid



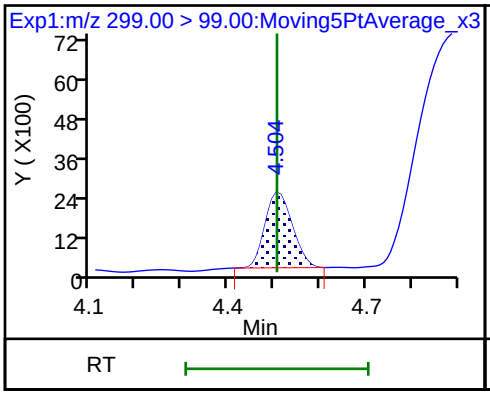
D 8 13C5 PFPeA



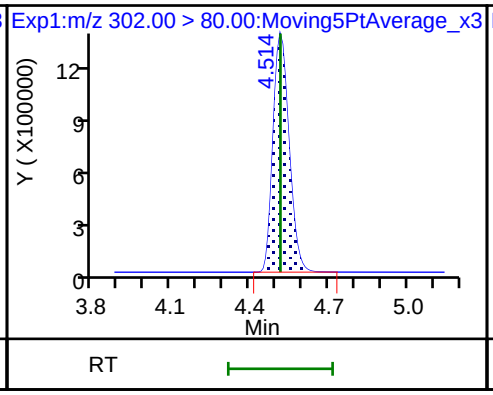
10 Perfluorobutanesulfonic acid



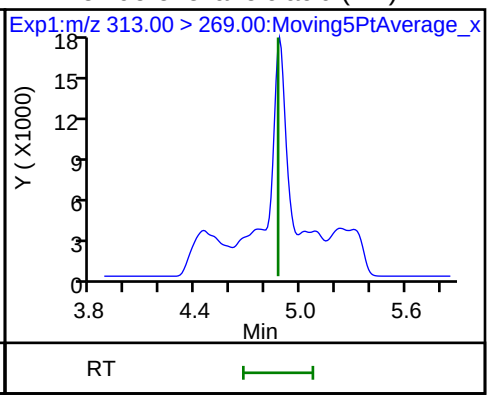
10 Perfluorobutanesulfonic acid



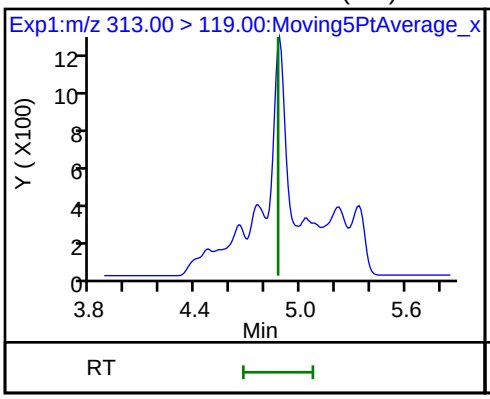
D 11 13C3 PFBS



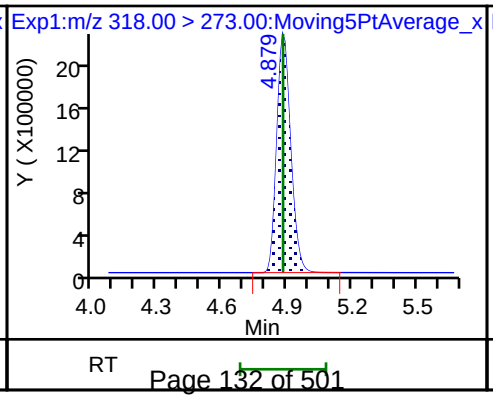
17 Perfluorohexanoic acid (ND)



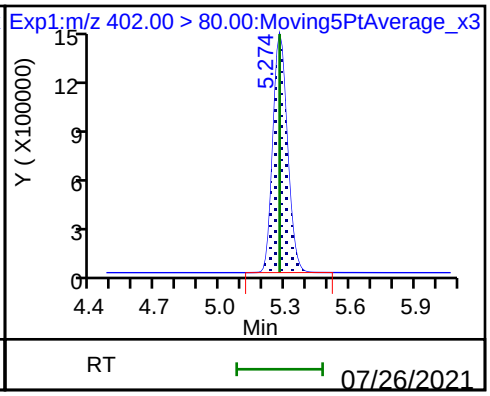
17 Perfluorohexanoic acid (ND)



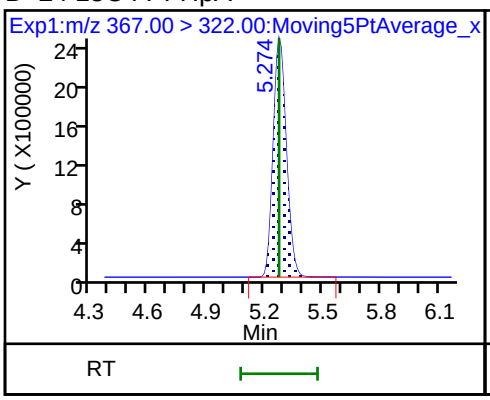
D 19 13C5 PFHxA



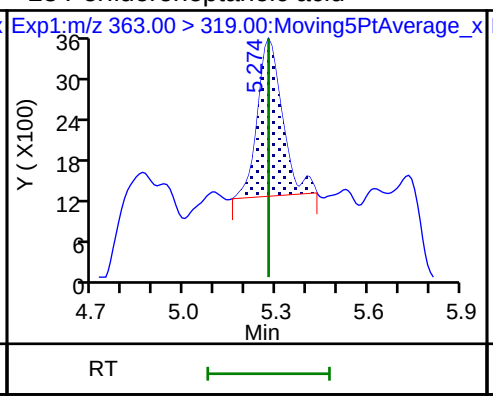
D 25 13C3 PFHxS



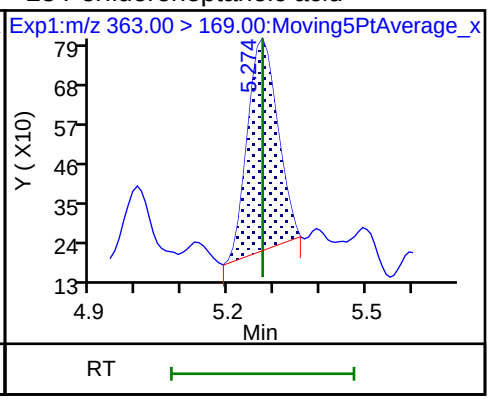
D 24 13C4 PFHpA



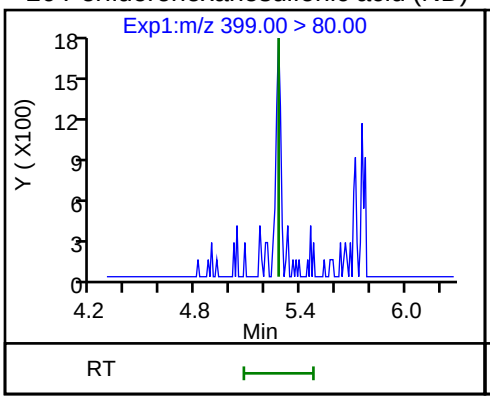
23 Perfluoroheptanoic acid



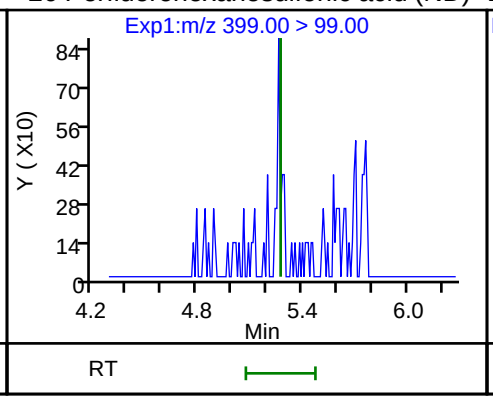
23 Perfluoroheptanoic acid



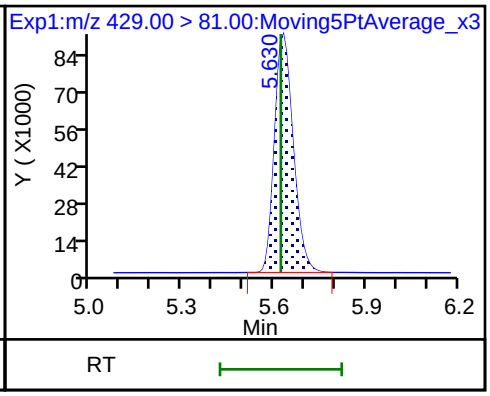
26 Perfluorohexanesulfonic acid (ND)



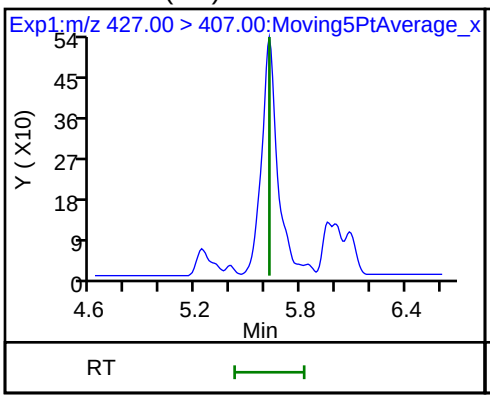
26 Perfluorohexanesulfonic acid (ND)



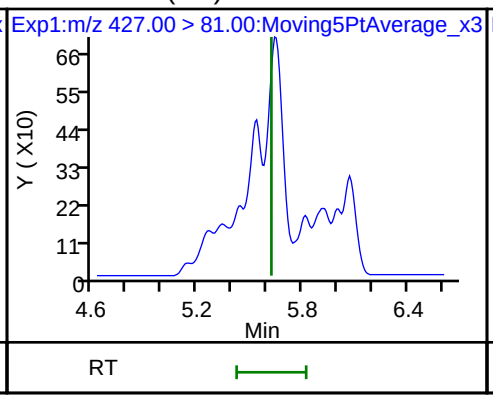
D 35 M2-6:2 FTS



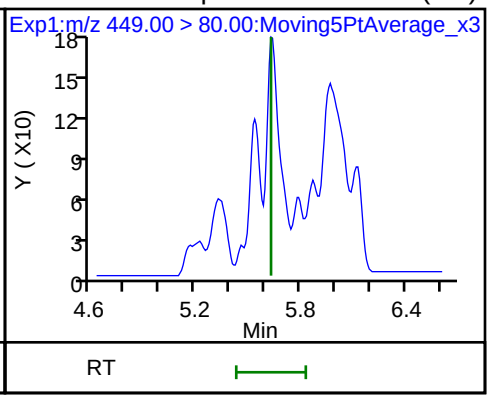
34 6:2 FTS (ND)



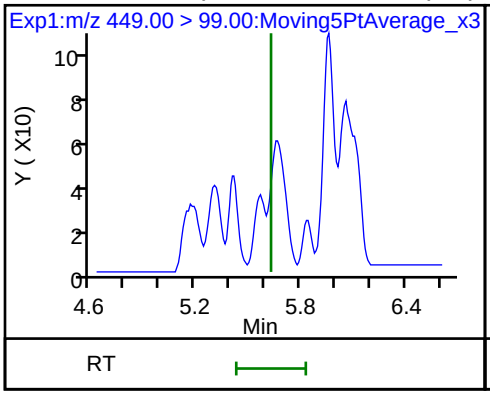
34 6:2 FTS (ND)



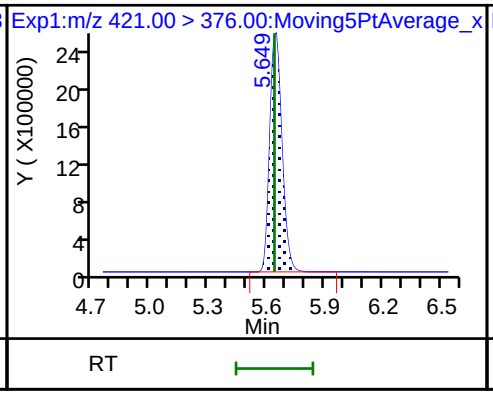
36 Perfluoroheptanesulfonic acid (ND)



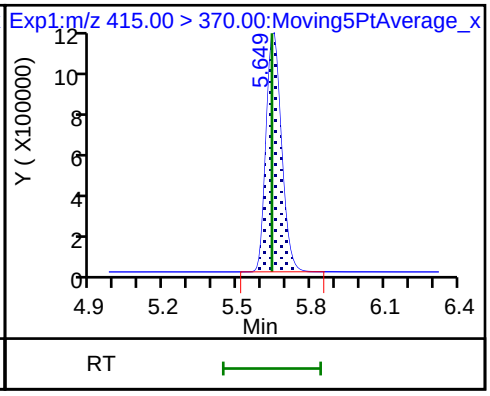
36 Perfluoroheptanesulfonic acid (ND)



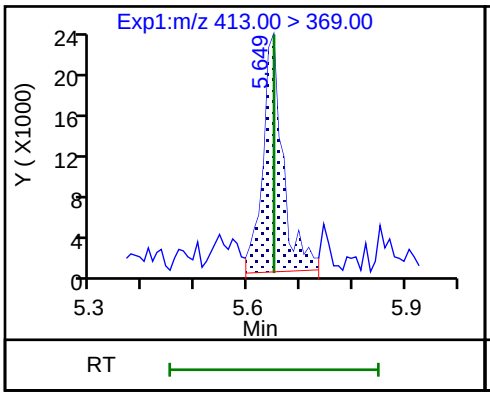
D 37 13C8 PFOA



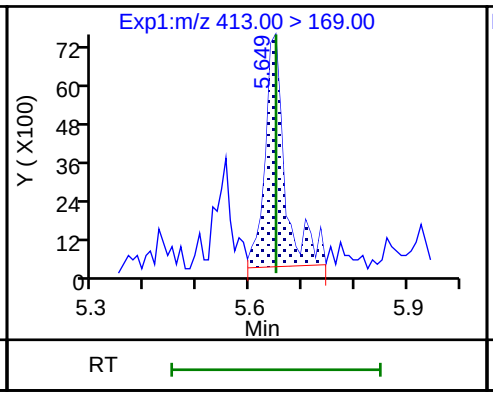
* 38 13C2 PFOA



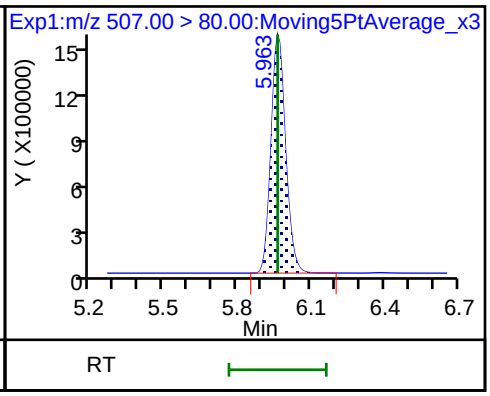
40 Perfluorooctanoic acid



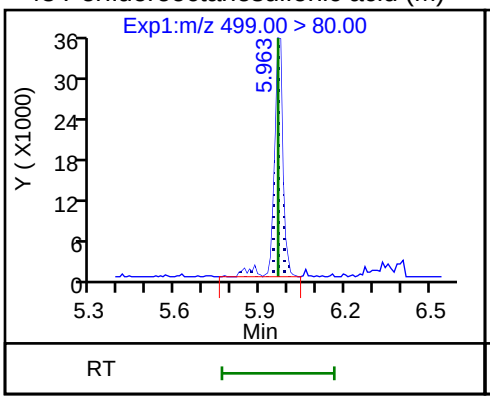
40 Perfluorooctanoic acid



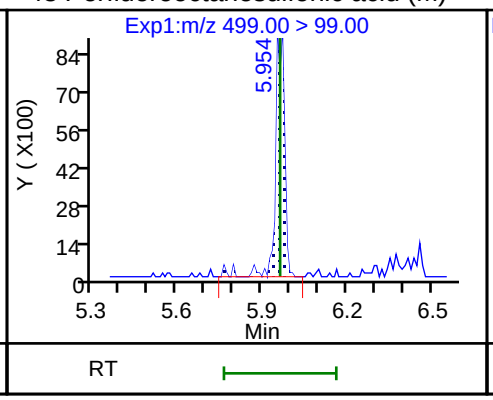
D 41 13C8 PFOS



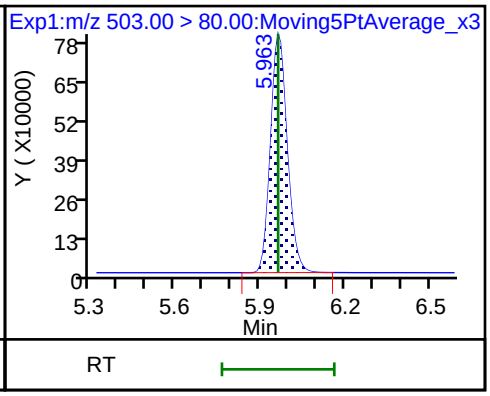
43 Perfluorooctanesulfonic acid (M)



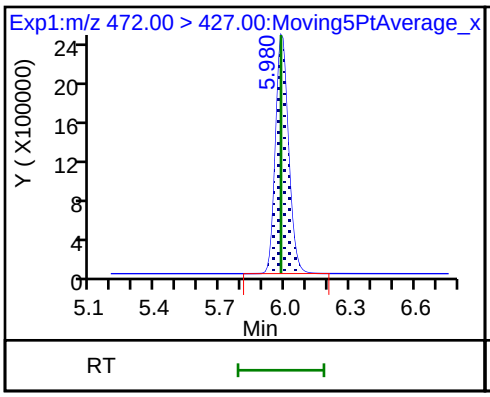
43 Perfluorooctanesulfonic acid (M)



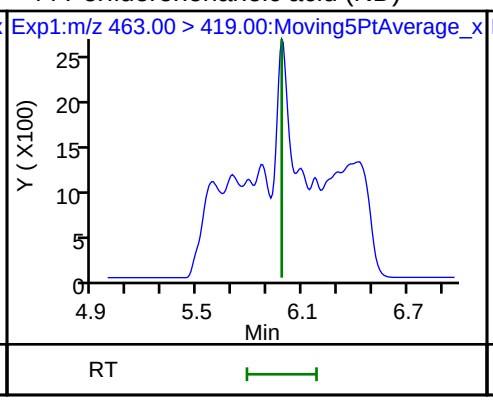
* 42 13C4 PFOS



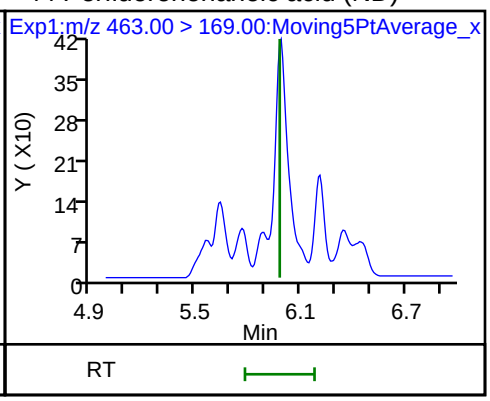
D 45 13C9 PFNA



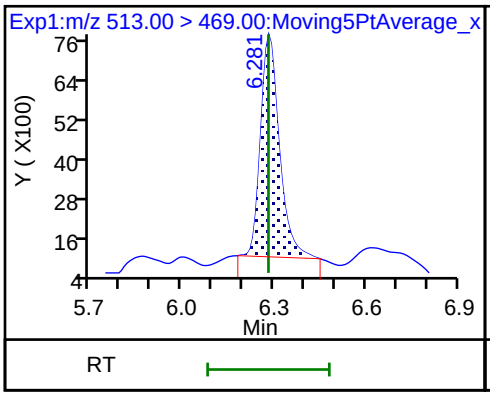
44 Perfluorononanoic acid (ND)



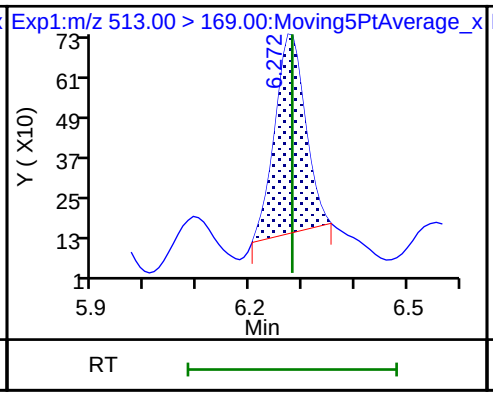
44 Perfluorononanoic acid (ND)



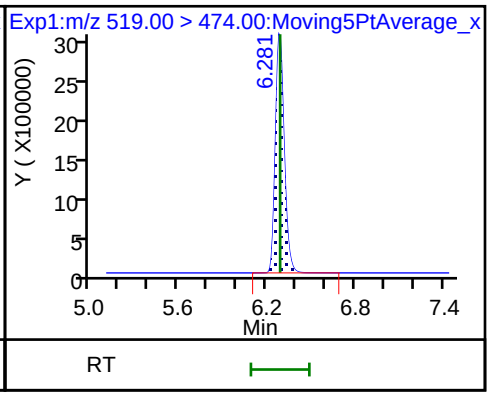
53 Perfluorodecanoic acid



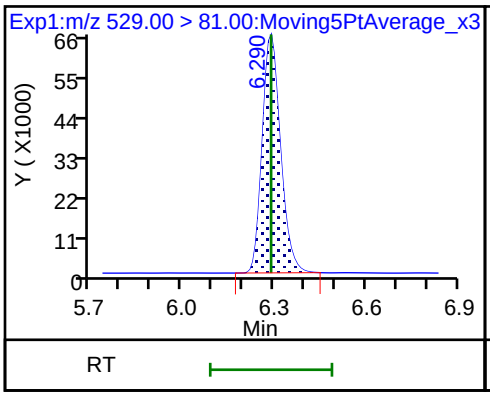
53 Perfluorodecanoic acid



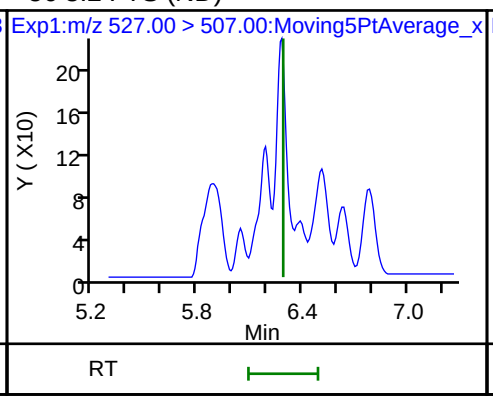
D 54 13C6 PFDA



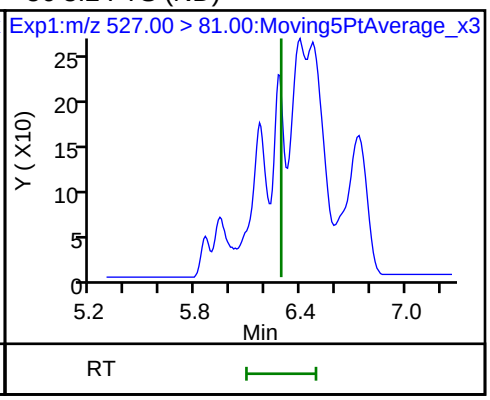
D 57 M2-8:2 FTS



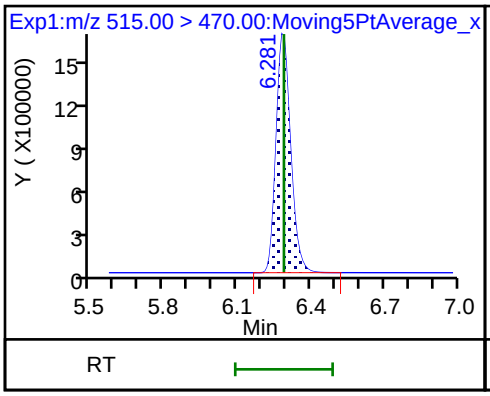
56 8:2 FTS (ND)



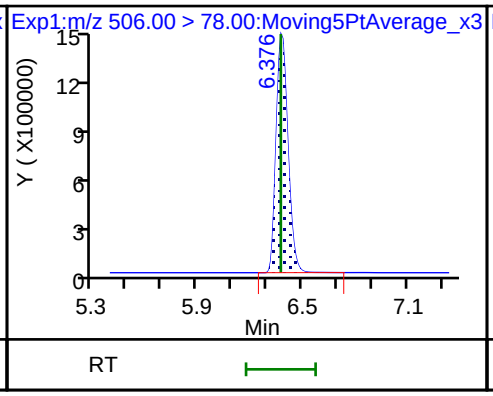
56 8:2 FTS (ND)



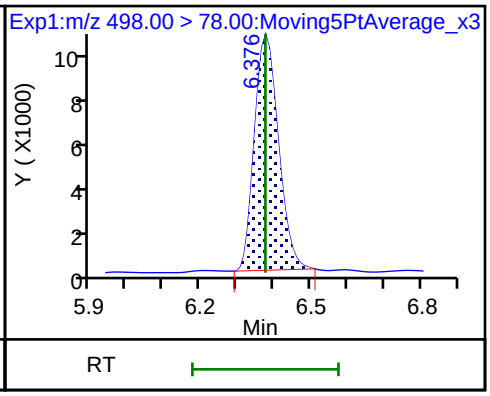
* 55 13C2 PFDA



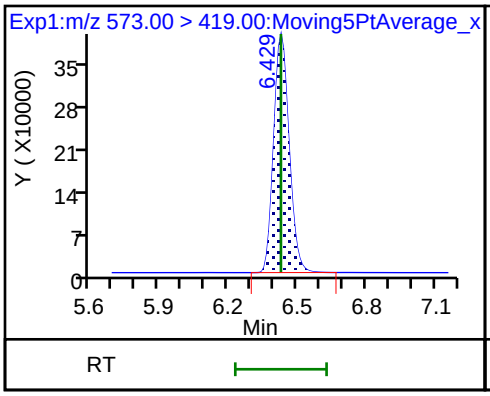
D 59 13C8 FOSA



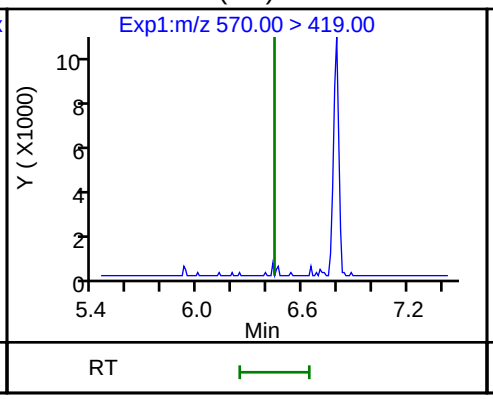
58 Perfluorooctanesulfonamide



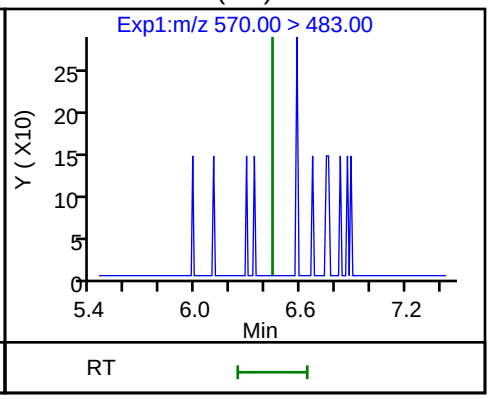
D 61 d3-NMeFOSAA



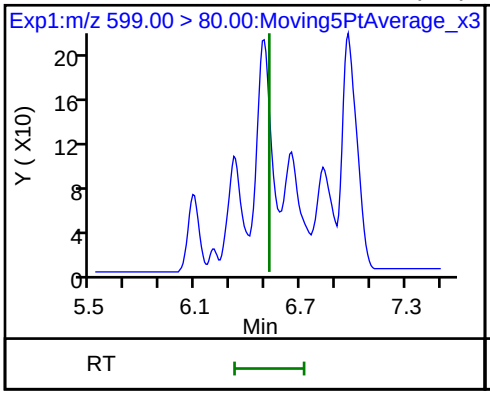
60 NMeFOSAA (ND)



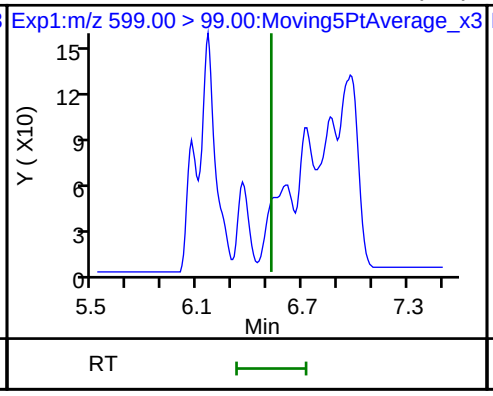
60 NMeFOSAA (ND)



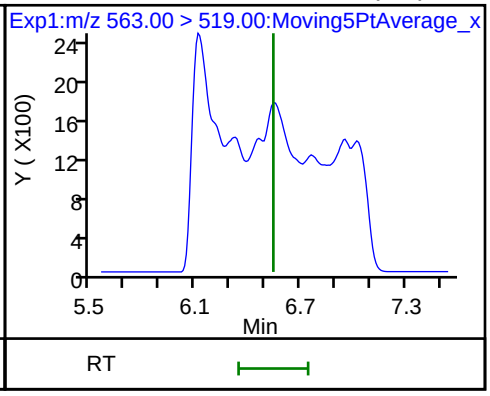
62 Perfluorodecanesulfonic acid (ND)



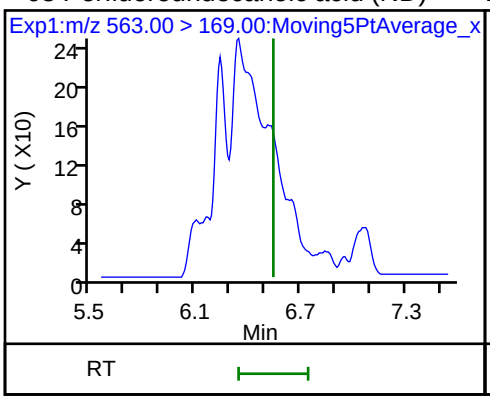
62 Perfluorodecanesulfonic acid (ND)



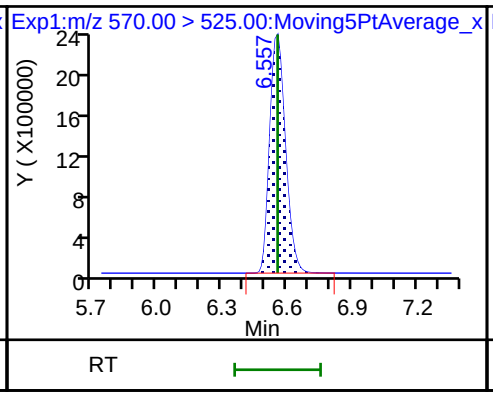
63 Perfluoroundecanoic acid (ND)



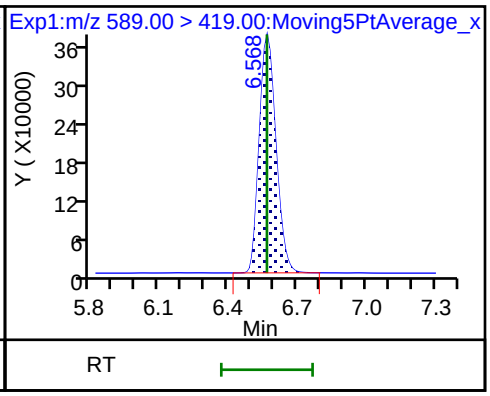
63 Perfluoroundecanoic acid (ND)



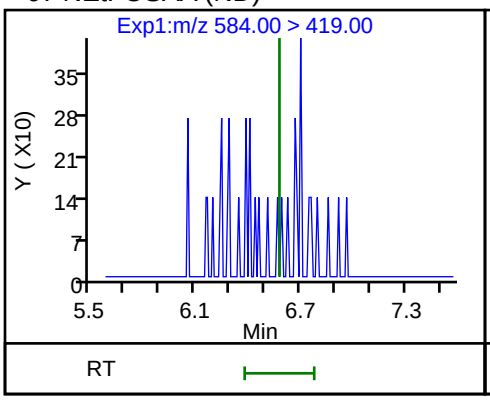
D 65 13C7 PFUnA



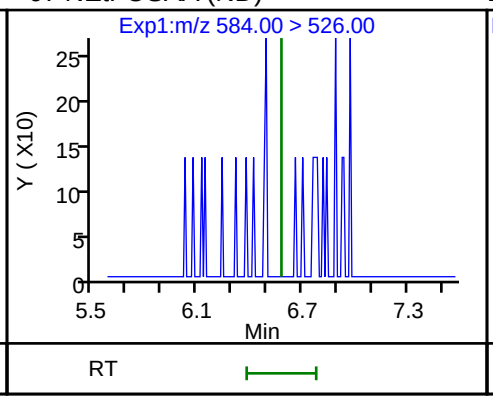
D 66 d5-NEtFOSAA



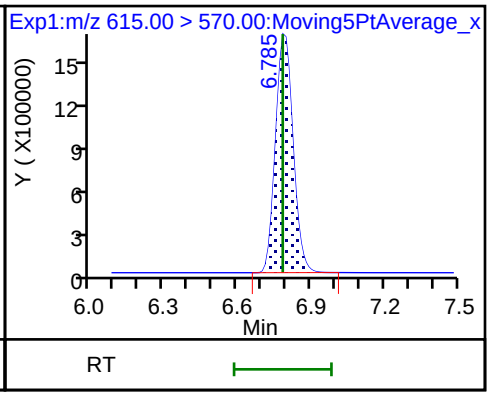
67 NEtFOSAA (ND)



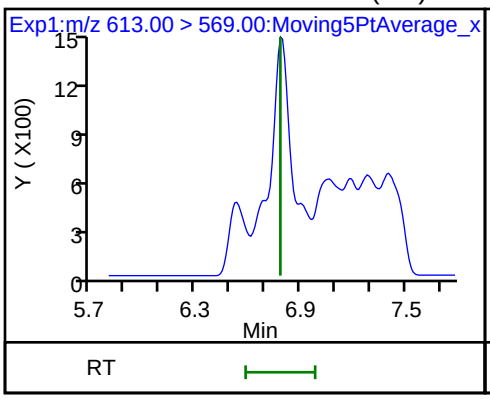
67 NEtFOSAA (ND)



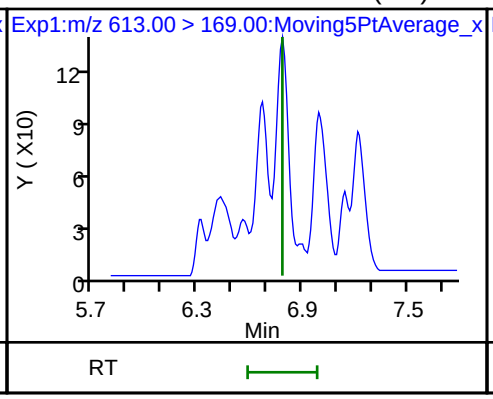
D 74 13C2-PFDoDA



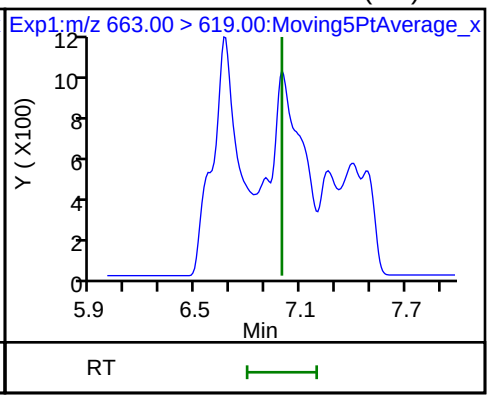
73 Perfluorododecanoic acid (ND)



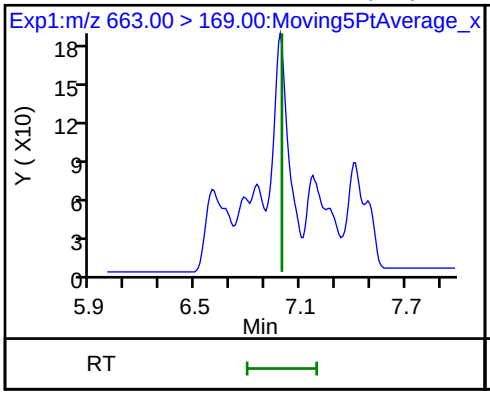
73 Perfluorododecanoic acid (ND)



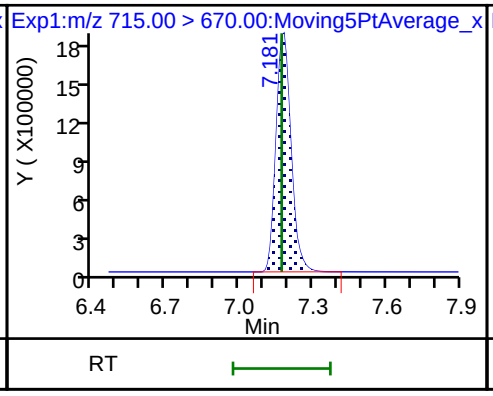
85 Perfluorotridecanoic acid (ND)



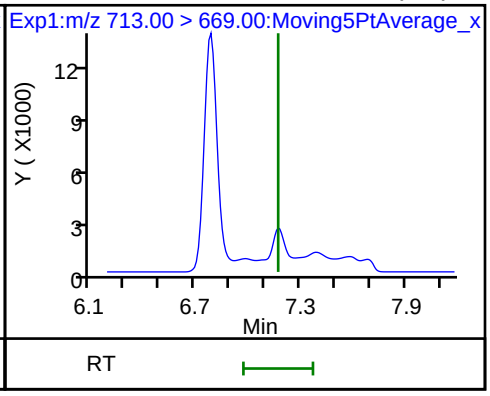
85 Perfluorotridecanoic acid (ND)



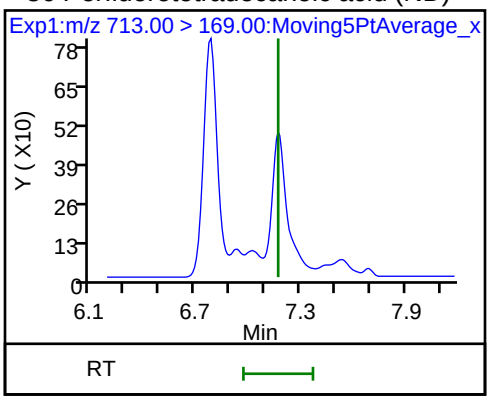
D 87 13C2 PFTeDA



86 Perfluorotetradecanoic acid (ND)



86 Perfluorotetradecanoic acid (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

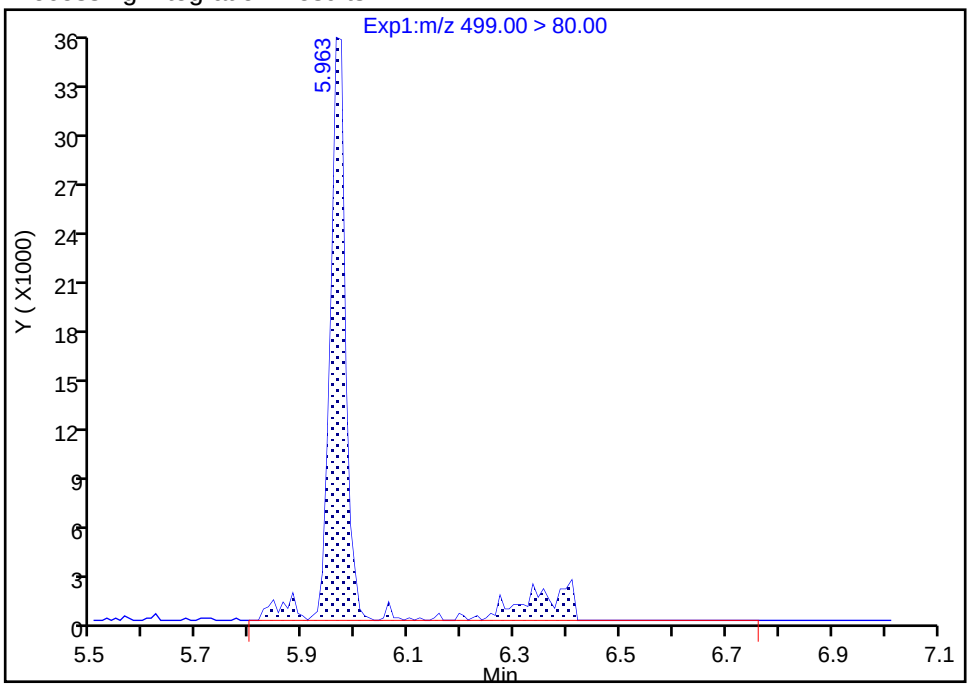
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-30.d				
Injection Date:	22-Jul-2021 05:59:48	Instrument ID:	30733		
Lims ID:	460-239002-A-5-A	Lab Sample ID:	410-239002-5		
Client ID:	FB071621				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	27	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

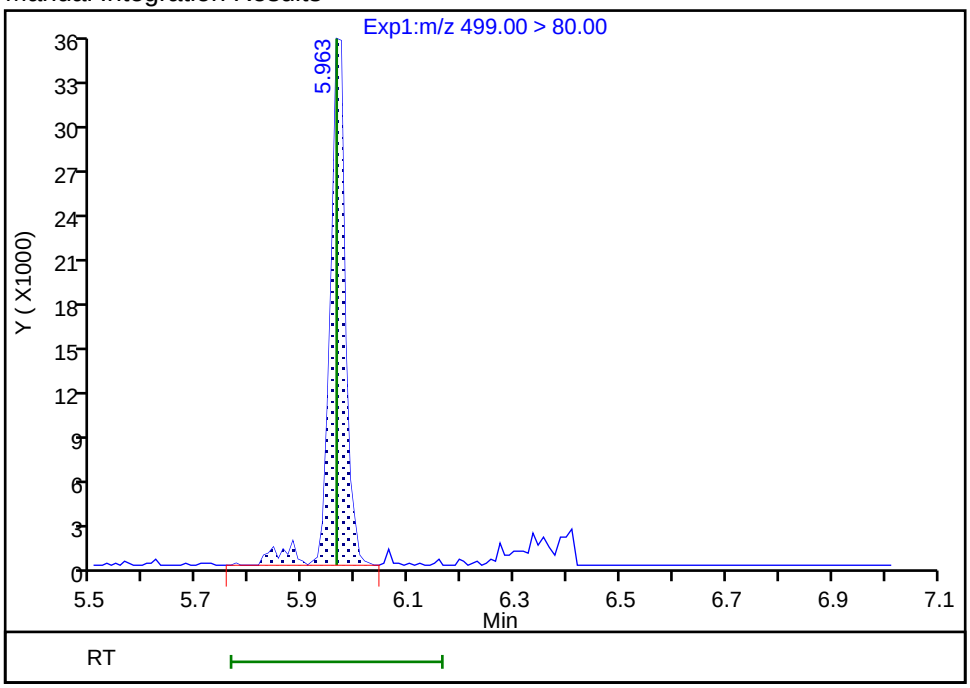
Processing Integration Results

RT: 5.96
Area: 87451
Amount: 0.122148
Amount Units: ng/ml



Manual Integration Results

RT: 5.96
Area: 73322
Amount: 0.102413
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:18:12

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

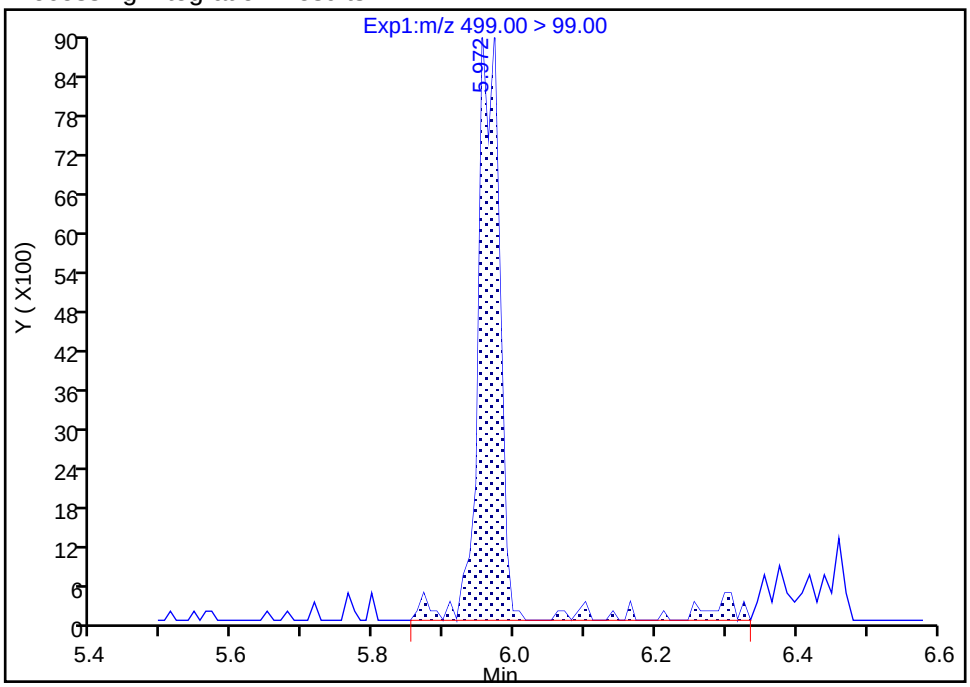
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-30.d				
Injection Date:	22-Jul-2021 05:59:48	Instrument ID:	30733		
Lims ID:	460-239002-A-5-A	Lab Sample ID:	410-239002-5		
Client ID:	FB071621				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	27	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

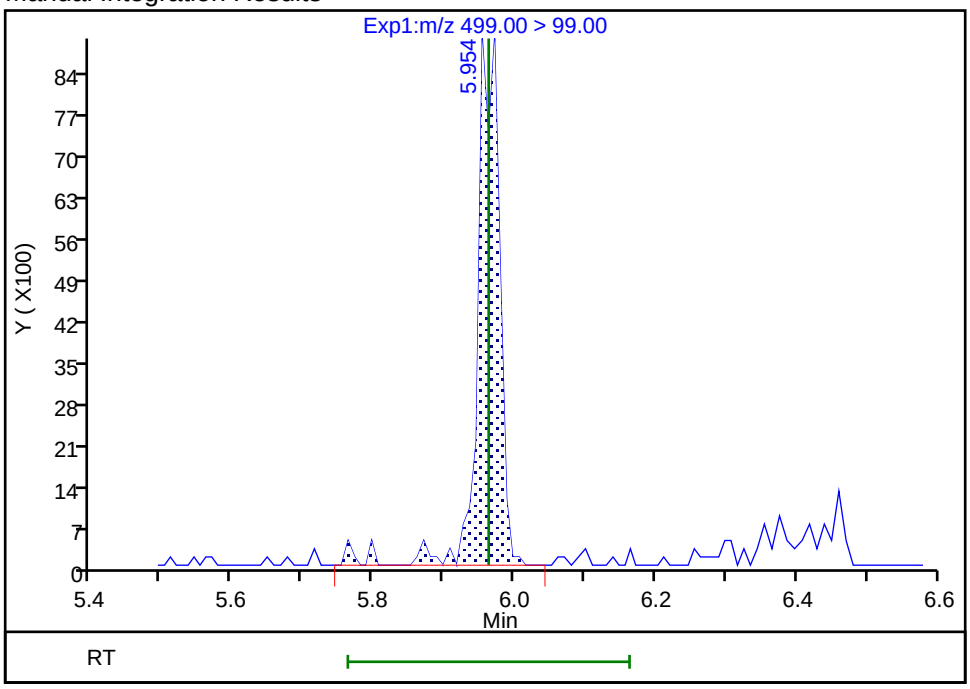
Processing Integration Results

RT: 5.97
Area: 20717
Amount: 0.122148
Amount Units: ng/ml



Manual Integration Results

RT: 5.95
Area: 19528
Amount: 0.102413
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:18:15

Audit Action: Manually Integrated Audit Reason: Isomers

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-151148/1	21JUL21MCAL-17.d
Level 2	IC 410-151148/2	21JUL21MCAL-18.d
Level 3	IC 410-151148/3	21JUL21MCAL-19.d
Level 4	IC 410-151148/4	21JUL21MCAL-20.d
Level 5	ICISAV 410-151148/5	21JUL21MCAL-21.d
Level 6	IC 410-151148/6	21JUL21MCAL-22.d
Level 7	IC 410-151148/7	21JUL21MCAL-23.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid	1.0546 0.8574	0.9113 0.8508	0.9179	0.8740	0.9187	LID1 F		0.8623							0.9990		0.9900
Perfluoropentanoic acid	1.0644 0.9555	0.9869 0.9290	1.0100	0.8877	1.0094	LID1 F		0.9446							0.9990		0.9900
Perfluorobutanesulfonic acid	1.1388 1.0190	1.0883 1.0267	1.1011	1.0782	1.0352	LID1 F		1.0289							1.0000		0.9900
4:2 Fluorotelomer sulfonic acid	3.4892 3.3058	3.1402 3.3798	3.3427	3.0502	3.4793	LID1 F		3.3548							0.9990		0.9900
Perfluorohexanoic acid	0.8964 0.7625	0.8230 0.7346	0.8439	0.7461	0.8276	LID1 F		0.7548							0.9980		0.9900
Perfluoropentanesulfonic acid	0.9599 0.9382	0.9885 0.9462	0.9873	0.9146	1.0537	LID1 F		0.9551							0.9990		0.9900
HFPODA	3.4181 3.2181	3.1467 3.1487	3.1256	2.6562	2.9760	LID1 F		3.1270							0.9980		0.9900
Perfluoroheptanoic acid	1.2038 1.0129	1.1365 +++++	1.1477	1.0409	1.0629	LID1 F		1.0326							0.9990		0.9900
Perfluorohexanesulfonic acid	1.0465 0.9746	1.1444 0.9819	1.1172	0.9542	0.9831	LID1 F		0.9808							1.0000		0.9900
DONA	1.4180 1.3823	1.3900 1.3023	1.4956	1.2929	1.3898	LID1 F		1.3362							0.9990		0.9900
6:2 Fluorotelomer sulfonic acid	5.1332 4.6609	4.8860 4.6752	4.9634	4.8695	4.9082	LID1 F		4.7099							1.0000		0.9900
Perfluoroheptanesulfonic acid	0.9717 0.8911	0.9307 0.8826	0.9874	0.8920	0.9302	LID1 F		0.8920							1.0000		0.9900
Perfluorooctanoic acid	0.8697 0.7400	0.8080 0.7374	0.8135	0.7307	0.8122	LID1 F		0.7473							0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid	1.1907 1.1080	1.1166 1.0862	1.1506	0.9781	1.1277	LID1F		1.0929							0.9990		0.9900
Perfluorononanoic acid	1.0385 0.8598	0.9415 +++++	0.9711	0.8156	0.8673	LID1F		0.8610							0.9990		0.9900
9Cl-PF3ONS	2.0807 1.9211	2.1514 +++++	2.2803	1.8216	2.0314	LID1F		1.9493							0.9980		0.9900
Perfluorononanesulfonic acid	1.0681 1.0231	1.1156 0.9771	1.0995	0.9744	1.0839	LID1F		1.0033							0.9990		0.9900
Perfluorodecanoic acid	0.9688 0.8411	0.9571 +++++	0.9281	0.8798	0.9408	LID1F		0.8729							0.9970		0.9900
8:2 Fluorotelomer sulfonic acid	8.5378 6.6443	8.1014 7.0156	7.8307	6.9526	7.9383	LID1F		7.0259							0.9970		0.9900
Perfluorooctanesulfonamide	1.0522 1.0017	1.0169 0.9719	1.0557	0.9917	1.0425	LID1F		0.9900							0.9990		0.9900
NMeFOSAA	1.0423 0.8959	0.9203 0.8871	0.9572	0.9289	0.8945	LID1F		0.8932							1.0000		0.9900
Perfluorodecanesulfonic acid	1.0832 1.1494	1.1103 1.1214	1.0910	0.9883	1.1555	LID1F		1.1266							0.9990		0.9900
Perfluoroundecanoic acid	0.9118 0.8039	0.9503 +++++	0.9464	0.8612	0.8511	LID1F		0.8260							0.9980		0.9900
NEtFOSAA	0.9989 0.9721	0.9766 +++++	1.0212	0.9355	0.9162	LID1F		0.9559							0.9990		0.9900
11Cl-PF3OUdS	1.6648 1.5610	1.7483 +++++	1.6989	1.4639	1.6043	LID1F		1.5669							0.9990		0.9900
Perfluorododecanoic acid	1.2104 0.9789	1.1063 +++++	1.1059	1.0178	1.0406	LID1F		1.0026							0.9990		0.9900
10:2 FTS	4.3635 4.7238	5.1635 5.1334	5.0883	4.3282	5.6383	LID1F		5.0390							0.9960		0.9900
NMeFOSE	1.0230 1.0372	1.0428 1.0649	1.0376	0.9561	1.0576	LID1F		1.0512							0.9990		0.9900
NMeFOSA	0.9763 1.0291	1.0281 0.9719	1.0821	0.9736	1.0642	LID1F		0.9994							0.9990		0.9900
Perfluorododecanesulfonic acid	1.2221 1.1095	1.1919 1.0236	1.1812	1.0707	1.1726	LID1F		1.0684							0.9970		0.9900
NEtFOSE	1.1390 1.0715	1.1169 1.0894	1.0351	1.0234	1.1736	LID1F		1.0904							0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
NEtFOSA	1.0510 1.0658	1.0747 1.0667	1.0475	1.0301	1.1114	LID1F		1.0696							1.0000		0.9900
Perfluorotridecanoic acid	0.9261 0.7901	0.8518 +++++	0.8119	0.7672	0.7971	LID1F		0.7908							1.0000		0.9900
Perfluorotetradecanoic acid	1.0457 0.8242	0.9298 +++++	0.9627	0.8391	0.8750	LID1F		0.8429							0.9990		0.9900
Perfluorohexadecanoic acid	1.3845 1.0645	1.1634 +++++	1.1329	1.0591	1.0989	LID1F		1.0756							0.9990		0.9900
Perfluorooctadecanoic acid	0.7209 0.6238	0.6215 +++++	0.6716	0.6519	0.6906	LID1F		0.6446							0.9980		0.9900
13C4 PFBA	1.0919 1.1268	1.1390 1.1084	1.1572	1.1540	1.0875	Ave		1.1235				2.5		20.0			
13C5 PFPeA	1.0220 1.0571	1.0533 0.9685	1.0857	1.1210	0.9686	Ave		1.0395				5.5		20.0			
13C3 PFBS	0.8749 0.8952	0.8561 0.8273	0.9095	0.9121	0.8395	Ave		0.8735				3.9		20.0			
M2-4:2 FTS	0.0589 0.0579	0.0646 0.0612	0.0609	0.0590	0.0576	Ave		0.0600				4.1		20.0			
13C5 PFHxA	1.2228 1.2044	1.3059 1.1826	1.2192	1.2768	1.1815	Ave		1.2276				3.8		20.0			
13C3 HFPO-DA	0.1025 0.1100	0.1208 0.1109	0.1145	0.1232	0.1101	Ave		0.1132				6.2		20.0			
13C3 PFHxS	0.8152 0.8776	0.8769 0.9087	0.8355	0.8643	0.8810	Ave		0.8656				3.6		20.0			
13C4 PFHpA	1.2423 1.1765	1.3555 1.1955	1.2920	1.2940	1.2538	Ave		1.2585				4.9		20.0			
M2-6:2 FTS	0.0339 0.0305	0.0364 0.0294	0.0357	0.0337	0.0333	Ave		0.0333				7.6		20.0			
13C8 PFOA	1.3703 1.3057	1.4248 1.2609	1.4542	1.4413	1.3009	Ave		1.3655				5.7		20.0			
13C8 PFOS	1.0436 0.9608	1.0159 1.0290	1.0788	1.0870	1.0158	Ave		1.0330				4.1		20.0			
13C9 PFNA	1.4666 1.3117	1.4494 1.3567	1.4991	1.5234	1.4351	Ave		1.4346				5.3		20.0			
13C6 PFDA	0.9248 0.9420	0.9576 0.9139	0.9954	0.9902	0.9297	Ave		0.9505				3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
M2-8:2 FTS	0.0153 0.0169	0.0159 0.0151	0.0171	0.0177	0.0158	Ave		0.0162				6.1		20.0			
13C8 FOSA	0.8777 0.9735	0.9313 0.9579	0.9008	0.9790	0.9591	Ave		0.9399				4.1		20.0			
d3-NMeFOSAA	0.1588 0.1875	0.1650 0.1893	0.1693	0.1650	0.1730	Ave		0.1726				6.8		20.0			
13C7 PFUnA	0.9122 0.9426	0.8676 0.8765	0.9246	0.9051	0.9088	Ave		0.9053				2.9		20.0			
d5-NEtFOSAA	0.1298 0.1390	0.1261 0.1420	0.1307	0.1297	0.1347	Ave		0.1331				4.3		20.0			
13C2-PFDoDA	0.6662 0.6850	0.7030 0.7019	0.7080	0.6956	0.6988	Ave		0.6941				2.1		20.0			
d7-N-MeFOSE-M	0.1719 0.1916	0.1742 0.1933	0.1776	0.1850	0.1846	Ave		0.1826				4.6		20.0			
d3-NMePFOSA	0.1078 0.1266	0.1103 0.1327	0.1102	0.1152	0.1151	Ave		0.1168				8.0		20.0			
d9-N-EtFOSE-M	0.1878 0.2044	0.1896 0.2013	0.2043	0.2080	0.1947	Ave		0.1986				4.0		20.0			
d5-NEtPFOSA	0.1055 0.1198	0.1101 0.1189	0.1088	0.1082	0.1130	Ave		0.1120				4.9		20.0			
13C2 PFTeDA	0.6819 0.7443	0.7471 0.7584	0.7428	0.7382	0.7262	Ave		0.7341				3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-151148/1	21JUL21MCAL-17.d
Level 2	IC 410-151148/2	21JUL21MCAL-18.d
Level 3	IC 410-151148/3	21JUL21MCAL-19.d
Level 4	IC 410-151148/4	21JUL21MCAL-20.d
Level 5	ICISAV 410-151148/5	21JUL21MCAL-21.d
Level 6	IC 410-151148/6	21JUL21MCAL-22.d
Level 7	IC 410-151148/7	21JUL21MCAL-23.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid		LID1 F	175283 32323524	387348 64653362	1549194	5689243	14804195	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluoropentanoic acid		LID1 F	165589 33794449	387934 61688191	1599325	5613113	14487009	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluorobutanesulfonic acid		LID1 F	134218 27012530	307717 51537431	1292611	4909270	11396914	0.177 44.3	0.443 88.5	1.77	7.08	17.7
4:2 Fluorotelomer sulfonic acid		LID1 F	31284 6469598	73291 12954352	302241	1037122	2863280	0.187 46.7	0.467 93.4	1.87	7.47	18.7
Perfluorohexanoic acid		LID1 F	178719 33260287	415416 58238983	1635633	5876334	14945684	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluoropentanesulfonic acid		LID1 F	119911 26361589	296250 50340942	1228502	4413791	12295158	0.188 46.9	0.469 93.8	1.88	7.50	18.8
HFPODA		LID1 F	57144 12818117	146923 23418991	569080	2019322	5006390	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluoroheptanoic acid		LID1 F	243848 43157247	595463 +++++	2357075	8308228	20369496	0.200 50.0	0.500 +++++	2.00	8.00	20.0
Perfluorohexanesulfonic acid		LID1 F	126875 28250569	353762 54554553	1353208	4639679	12074313	0.182 45.6	0.456 91.2	1.82	7.30	18.2

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
DONA		LID1 F	271438 55659360	688212 98635673	2902505	9752440	25169410	0.189 47.3	0.473 94.5	1.89	7.56	18.9
6:2 Fluorotelomer sulfonic acid		LID1 F	26918 4877695	65099 8749275	267023	960604	2371505	0.190 47.4	0.474 94.8	1.90	7.58	19.0
Perfluoroheptanesulfonic acid		LID1 F	122970 26963499	300294 51183620	1248464	4527347	11925355	0.190 47.6	0.476 95.2	1.90	7.62	19.0
Perfluorooctanoic acid		LID1 F	194332 34994058	444977 62331522	1880488	6496843	16151664	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluorooctanesulfonic acid		LID1 F	144880 29486356	335322 58880364	1428215	4824237	12941530	0.185 46.3	0.463 92.6	1.85	7.40	18.5
Perfluorononanoic acid		LID1 F	191861 33750758	435832 +++++	1809963	6091113	15194465	0.200 50.0	0.500 +++++	2.00	8.00	20.0
9Cl-PF3ONS		LID1 F	254406 51374448	649194 +++++	2844266	9028348	23425750	0.186 46.5	0.465 +++++	1.86	7.44	18.6
Perfluorononanesulfonic acid		LID1 F	134814 28242130	347486 54939683	1415685	4985012	12902446	0.192 48.0	0.480 96.0	1.92	7.68	19.2
Perfluorodecanoic acid		LID1 F	208283 37370749	524840 +++++	2104886	7474281	18226426	0.200 50.0	0.500 +++++	2.00	8.00	20.0
8:2 Fluorotelomer sulfonic acid		LID1 F	29060 5060961	70483 9128123	293032	1010626	2500938	0.192 47.9	0.479 95.8	1.92	7.66	19.2
Perfluorooctanesulfonamide		LID1 F	214709 45990288	542282 83643239	2166732	8329394	20834394	0.200 50.0	0.500 100	2.00	8.00	20.0
NMeFOSAA		LID1 F	38472 7923672	86968 15088870	369307	1314652	3225149	0.200 50.0	0.500 100	2.00	8.00	20.0

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Perfluorodecanesulfonic acid		LID1F	137288 31862024	347300 63316075	1410524	5077400	13812011	0.193 48.2	0.482 96.4	1.93	7.71	19.3
Perfluoroundecanoic acid		LID1F	193359 35742247	472161 +++++	1993497	6686953	16116889	0.200 50.0	0.500 +++++	2.00	8.00	20.0
NEtFOSAA		LID1F	30140 6371613	70527 +++++	304016	1041280	2571968	0.200 50.0	0.500 +++++	2.00	8.00	20.0
11Cl-PF3OUdS		LID1F	203559 41743327	527574 +++++	2119115	7255289	18500819	0.186 46.5	0.465 +++++	1.86	7.44	18.6
Perfluorododecanoic acid		LID1F	187469 31628365	445354 +++++	1783858	6074466	15152662	0.200 50.0	0.500 +++++	2.00	8.00	20.0
10:2 FTS		LID1F	14945 3620655	45205 6720982	191603	633086	1787435	0.193 48.2	0.482 96.4	1.93	7.71	19.3
NMeFOSE		LID1F	40881 9370815	104040 18494198	419930	1517900	4067490	0.200 50.0	0.500 100	2.00	8.00	20.0
NMeFOSA		LID1F	24459 6145256	64914 11591154	271697	962126	2552106	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluorododecanesulfonic acid		LID1F	155530 30883192	374351 58037064	1533507	5523280	14075271	0.194 48.4	0.484 96.8	1.94	7.74	19.4
NEtFOSE		LID1F	49734 10332283	121281 19704595	481892	1826188	4762209	0.200 50.0	0.500 100	2.00	8.00	20.0
NEtFOSA		LID1F	25779 6020930	67741 11399111	259548	956489	2616771	0.200 50.0	0.500 100	2.00	8.00	20.0
Perfluorotridecanoic acid		LID1F	143438 25527791	342878 +++++	1309610	4579024	11606537	0.200 50.0	0.500 +++++	2.00	8.00	20.0

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Perfluorotetradecanoic acid		LID1F	165756 28933489	397791 +++++	1629248	5314885	13240570	0.200 50.0	0.500 +++++	2.00	8.00	20.0
Perfluorohexadecanoic acid		LID1F	219468 37372184	497749 +++++	1917328	6707684	16627497	0.200 50.0	0.500 +++++	2.00	8.00	20.0
Perfluorooctadecanoic acid		LID1F	114282 21900264	265926 +++++	1136714	4128941	10449349	0.200 50.0	0.500 +++++	2.00	8.00	20.0
13C4 PFBA	13C3 PFBA	Ave	8310256 7540096	8501362 7599457	8438545	8136665	8057254	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C5 PFPeA	13C3 PFBA	Ave	7778413 7073668	7861577 6640266	7917586	7904250	7176370	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C3 PFBS	13C3 PFBA	Ave	6192633 5571396	5942614 5275052	6168180	5980831	5784544	9.30 9.30	9.30 9.30	9.30	9.30	9.30
M2-4:2 FTS	13PFOA	Ave	448294 391411	466786 383283	452088	425019	411474	9.34 9.34	9.34 9.34	9.34	9.34	9.34
13C5 PFHxA	13PFOA	Ave	9969254 8723911	10095452 7927601	9690480	9845565	9029737	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C3 HFPO-DA	13PFOA	Ave	835906 796630	933832 743759	910359	950279	841134	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C3 PFHxS	13PFOA	Ave	6287722 6013272	6412739 5762963	6282136	6304637	6369749	9.46 9.46	9.46 9.46	9.46	9.46	9.46
13C4 PFHpA	13PFOA	Ave	10128556 8521702	10478933 8014480	10268472	9977638	9582033	10.0 10.0	10.0 10.0	10.0	10.0	10.0
M2-6:2 FTS	13PFOA	Ave	262746 209744	267034 187538	269560	247108	242094	9.50 9.50	9.50 9.50	9.50	9.50	9.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
13C8 PFOA	13PFOA	Ave	11171905 9457717	11014579 8452642	11558181	11113537	9942678	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C8 PFOS	PFOS	Ave	6284375 5497866	6203853 5599483	6410903	6368412	5927163	9.56 9.56	9.56 9.56	9.56	9.56	9.56
13C9 PFNA	PFOS	Ave	9237377 7851121	9258679 7722357	9318972	9335267	8759137	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C6 PFDA	PFDA	Ave	10749524 8885805	10966803 8210999	11339287	10618816	9686378	10.0 10.0	10.0 10.0	10.0	10.0	10.0
M2-8:2 FTS	PFDA	Ave	170184 152340	174003 130112	187105	181698	157523	9.58 9.58	9.58 9.58	9.58	9.58	9.58
13C8 FOSA	PFDA	Ave	10202820 9182632	10665838 8606092	10261829	10499114	9992068	10.0 10.0	10.0 10.0	10.0	10.0	10.0
d3-NMeFOSAA	PFDA	Ave	1845563 1768903	1890006 1701015	1929045	1769052	1802710	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C7 PFUnA	PFDA	Ave	10603500 8891726	9936595 7875054	10532347	9706397	9467986	10.0 10.0	10.0 10.0	10.0	10.0	10.0
d5-NEtFOSAA	PFDA	Ave	1508659 1310843	1444311 1275534	1488591	1391409	1403644	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C2-PFDoDA	PFDA	Ave	7744243 6462030	8051003 6305814	8065516	7460326	7280465	10.0 10.0	10.0 10.0	10.0	10.0	10.0
d7-N-MeFOSE-M	PFDA	Ave	1998065 1806973	1995391 1736786	2023624	1984495	1922922	10.0 10.0	10.0 10.0	10.0	10.0	10.0
d3-NMePFOSA	PFDA	Ave	1252699 1194289	1262792 1192618	1255411	1235276	1199033	10.0 10.0	10.0 10.0	10.0	10.0	10.0
d9-N-EtFOSE-M	PFDA	Ave	2183309 1928514	2171737 1808675	2327824	2230492	2028953	10.0 10.0	10.0 10.0	10.0	10.0	10.0
d5-NEtPFOSA	PFDA	Ave	1226349 1129802	1260645 1068648	1238912	1160642	1177290	10.0 10.0	10.0 10.0	10.0	10.0	10.0
13C2 PFTeDA	PFDA	Ave	7925924 7021269	8556900 6813887	8462248	7917094	7565757	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend
Ave = Average ISTD
LID1F = Linear 1/Conc IsoDil FZ

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-151148/1	21JUL21MCAL-17.d
Level 2	IC 410-151148/2	21JUL21MCAL-18.d
Level 3	IC 410-151148/3	21JUL21MCAL-19.d
Level 4	IC 410-151148/4	21JUL21MCAL-20.d
Level 5	ICISAV 410-151148/5	21JUL21MCAL-21.d
Level 6	IC 410-151148/6	21JUL21MCAL-22.d
Level 7	IC 410-151148/7	21JUL21MCAL-23.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorobutanoic acid	22.3 -1.3	5.7	6.5	1.4	6.5	-0.6	50 30	30	30	30	30	30
Perfluoropentanoic acid	12.7 -1.7	4.5	6.9	-6.0	6.9	1.2	50 30	30	30	30	30	30
Perfluorobutanesulfonic acid	10.7 -0.2	5.8	7.0	4.8	0.6	-1.0	50 30	30	30	30	30	30
4:2 Fluorotelomer sulfonic acid	4.0 0.7	-6.4	-0.4	-9.1	3.7	-1.5	50 30	30	30	30	30	30
Perfluorohexanoic acid	18.8 -2.7	9.0	11.8	-1.2	9.6	1.0	50 30	30	30	30	30	30
Perfluoropentanesulfonic acid	0.5 -0.9	3.5	3.4	-4.2	10.3	-1.8	50 30	30	30	30	30	30
HFPODA	9.3 0.7	0.6	0.0	-15.1	-4.8	2.9	50 30	30	30	30	30	30
Perfluoroheptanoic acid	16.6 +++++	10.1	11.1	0.8	2.9	-1.9	50	30	30	30	30	30
Perfluorohexanesulfonic acid	6.7 0.1	16.7	13.9	-2.7	0.2	-0.6	50 30	30	30	30	30	30
DONA	6.1 -2.5	4.0	11.9	-3.2	4.0	3.4	50 30	30	30	30	30	30
6:2 Fluorotelomer sulfonic acid	9.0 -0.7	3.7	5.4	3.4	4.2	-1.0	50 30	30	30	30	30	30
Perfluoroheptanesulfonic acid	8.9 -1.1	4.3	10.7	0.0	4.3	-0.1	50 30	30	30	30	30	30
Perfluorooctanoic acid	16.4 -1.3	8.1	8.9	-2.2	8.7	-1.0	50 30	30	30	30	30	30
Perfluorooctanesulfonic acid	8.9 -0.6	2.2	5.3	-10.5	3.2	1.4	50 30	30	30	30	30	30

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorononanoic acid	20.6 +++++	9.3	12.8	-5.3	0.7	-0.1	50	30	30	30	30	30
9Cl-PF3ONS	6.7 +++++	10.4	17.0	-6.5	4.2	-1.4	50	30	30	30	30	30
Perfluorononanesulfonic acid	6.5 -2.6	11.2	9.6	-2.9	8.0	2.0	50 30	30	30	30	30	30
Perfluorodecanoic acid	11.0 +++++	9.7	6.3	0.8	7.8	-3.6	50	30	30	30	30	30
8:2 Fluorotelomer sulfonic acid	21.5 -0.1	15.3	11.5	-1.0	13.0	-5.4	50 30	30	30	30	30	30
Perfluorooctanesulfonamide	6.3 -1.8	2.7	6.6	0.2	5.3	1.2	50 30	30	30	30	30	30
NMeFOSAA	16.7 -0.7	3.0	7.2	4.0	0.1	0.3	50 30	30	30	30	30	30
Perfluorodecanesulfonic acid	-3.9 -0.5	-1.4	-3.2	-12.3	2.6	2.0	50 30	30	30	30	30	30
Perfluoroundecanoic acid	10.4 +++++	15.1	14.6	4.3	3.0	-2.7	50	30	30	30	30	30
NEtFOSAA	4.5 +++++	2.2	6.8	-2.1	-4.2	1.7	50	30	30	30	30	30
11Cl-PF3OUdS	6.2 +++++	11.6	8.4	-6.6	2.4	-0.4	50	30	30	30	30	30
Perfluorododecanoic acid	20.7 +++++	10.4	10.3	1.5	3.8	-2.4	50	30	30	30	30	30
10:2 FTS	-13.4 1.9	2.5	1.0	-14.1	11.9	-6.3	50 30	30	30	30	30	30
NMeFOSE	-2.7 1.3	-0.8	-1.3	-9.0	0.6	-1.3	50 30	30	30	30	30	30
NMeFOSA	-2.3 -2.8	2.9	8.3	-2.6	6.5	3.0	50 30	30	30	30	30	30
Perfluorododecanesulfonic acid	14.4 -4.2	11.6	10.6	0.2	9.8	3.9	50 30	30	30	30	30	30
NEtFOSE	4.5 -0.1	2.4	-5.1	-6.1	7.6	-1.7	50 30	30	30	30	30	30
NEtFOSA	-1.7 -0.3	0.5	-2.1	-3.7	3.9	-0.3	50 30	30	30	30	30	30
Perfluorotridecanoic acid	17.1 +++++	7.7	2.7	-3.0	0.8	-0.1	50	30	30	30	30	30

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Perfluorotetradecanoic acid	24.1 +++++	10.3	14.2	-0.4	3.8	-2.2	50	30	30	30	30	30
Perfluorohexadecanoic acid	28.7 +++++	8.2	5.3	-1.5	2.2	-1.0	50	30	30	30	30	30
Perfluorooctadecanoic acid	11.8 +++++	-3.6	4.2	1.1	7.1	-3.2	50	30	30	30	30	30
13C4 PFBA	-2.8 -1.3	1.4	3.0	2.7	-3.2	0.3	50 30	30	30	30	30	30
13C5 PFPeA	-1.7 -6.8	1.3	4.5	7.8	-6.8	1.7	50 30	30	30	30	30	30
13C3 PFBS	0.2 -5.3	-2.0	4.1	4.4	-3.9	2.5	50 30	30	30	30	30	30
M2-4:2 FTS	-1.9 2.0	7.7	1.5	-1.7	-4.0	-3.6	50 30	30	30	30	30	30
13C5 PFHxA	-0.4 -3.7	6.4	-0.7	4.0	-3.8	-1.9	50 30	30	30	30	30	30
13C3 HFPO-DA	-9.4 -2.0	6.8	1.2	8.9	-2.7	-2.8	50 30	30	30	30	30	30
13C3 PFHxS	-5.8 5.0	1.3	-3.5	-0.2	1.8	1.4	50 30	30	30	30	30	30
13C4 PFHpA	-1.3 -5.0	7.7	2.7	2.8	-0.4	-6.5	50 30	30	30	30	30	30
M2-6:2 FTS	1.9 -11.5	9.2	7.3	1.3	0.2	-8.4	50 30	30	30	30	30	30
13C8 PFOA	0.4 -7.7	4.3	6.5	5.6	-4.7	-4.4	50 30	30	30	30	30	30
13C8 PFOS	1.0 -0.4	-1.7	4.4	5.2	-1.7	-7.0	50 30	30	30	30	30	30
13C9 PFNA	2.2 -5.4	1.0	4.5	6.2	0.0	-8.6	50 30	30	30	30	30	30
13C6 PFDA	-2.7 -3.8	0.7	4.7	4.2	-2.2	-0.9	50 30	30	30	30	30	30
M2-8:2 FTS	-5.9 -7.0	-2.4	5.5	8.9	-2.9	3.8	50 30	30	30	30	30	30
13C8 FOSA	-6.6 1.9	-0.9	-4.2	4.2	2.0	3.6	50 30	30	30	30	30	30
d3-NMeFOSAA	-8.0 9.7	-4.4	-1.9	-4.4	0.3	8.7	50 30	30	30	30	30	30

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 460-239002-1 Analy Batch No.: 151148

SDG No.:

Instrument ID: 30733 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2021 22:47 Calibration End Date: 07/21/2021 23:54 Calibration ID: 28901

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
13C7 PFUnA	0.8 -3.2	-4.2	2.1	0.0	0.4	4.1	50 30	30	30	30	30	30
d5-NEtFOSAA	-2.5 6.6	-5.3	-1.9	-2.6	1.2	4.4	50 30	30	30	30	30	30
13C2-PFDoDA	-4.0 1.1	1.3	2.0	0.2	0.7	-1.3	50 30	30	30	30	30	30
d7-N-MeFOSE-M	-5.9 5.9	-4.6	-2.7	1.3	1.1	4.9	50 30	30	30	30	30	30
d3-NMePFOSA	-7.8 13.6	-5.6	-5.7	-1.4	-1.5	8.4	50 30	30	30	30	30	30
d9-N-EtFOSE-M	-5.4 1.4	-4.5	2.9	4.7	-1.9	2.9	50 30	30	30	30	30	30
d5-NEtPFOSA	-5.8 6.2	-1.8	-2.9	-3.4	0.9	6.9	50 30	30	30	30	30	30
13C2 PFTeDA	-7.1 3.3	1.8	1.2	0.6	-1.1	1.4	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d
Lims ID: IC CAL1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jul-2021 22:47:50 ALS Bottle#: 20002 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL1
Misc. Info.: Plate: 1 Rack: 1 410-0034894-001
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:24:23 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: kruelleh Date: 22-Jul-2021 06:52:29
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.948	3.938	0.010	1.000	8310256	9.72		97.2	236384	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.948	3.938	0.010	1.000	175283	0.2446		122	615	
* 4 13C3-PFBA										
216.00 > 172.00	3.948	3.940	0.008		3805356	5.00			26992	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.478	4.471	0.007	1.000	165589	0.2254		113	174	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.478	4.475	0.003	1.134	7778413	9.83		98.3	208527	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.535	4.525	0.010	1.000	134218	0.1959	Target=3.13	111	222	
299.00 > 99.00	4.535	4.525	0.010	1.000	40954		3.28(1.57-4.70)	111	185	
D 11 13C3 PFBS										
302.00 > 80.00	4.535	4.528	0.007	1.149	6192633	9.31		100	243568	
15 4:2 FTS										
327.00 > 307.00	4.861	4.853	0.008	0.998	31284	0.1943	Target=1.61	104	2364	
327.00 > 81.00	4.881	4.853	0.028	1.002	27547		1.14(0.81-2.42)	104	983	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.871	4.858	0.013	0.861	448294	9.16		98.1	20259	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.900	4.891	0.009	1.000	178719	0.2375	Target=14.88	119	567	
313.00 > 119.00	4.900	4.891	0.009	1.000	11066		16.15(7.44-22.32)	119	282	
D 19 13C5 PFHxA										
318.00 > 273.00	4.900	4.896	0.004	0.866	9969254	9.96		99.6	274008	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.910	4.898	0.012	0.868	7060398	9.06		90.6	259559	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.921	4.911	0.010	1.085	119911	0.1886	Target=3.52	101	8936	
349.00 > 99.00	4.921	4.911	0.010	1.085	35183		3.41(1.76-5.28)	101	1973	
21 HFPO-DA										
329.00 > 285.00	5.036	5.025	0.011	1.000	57144	0.2186		109	431	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.036	5.027	0.009	0.890	835906	9.06		90.6	51171	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.295	5.286	0.009	1.000	243848	0.2331	Target=3.85	117	1224	
363.00 > 169.00	5.295	5.286	0.009	1.000	66185		3.68(1.93-5.78)	117	1741	
D 25 13C3 PFHxS										
402.00 > 80.00	5.295	5.289	0.006	0.936	6287722	8.91		94.2	226922	
D 24 13C4 PFHpA										
367.00 > 322.00	5.295	5.292	0.003	0.936	10128556	9.87		98.7	217191	
26 Perfluorohexanesulfonic acid										M
399.00 > 80.00	5.295	5.292	0.003	1.000	126875	0.1946	Target=3.51	107	49474	M
399.00 > 99.00	5.295	5.292	0.003	1.000	40114		3.16(1.75-5.26)	107	8795	M
27 DONA										
377.00 > 251.00	5.348	5.336	0.012	1.010	271438	0.2006		106	3083	
34 6:2 FTS										M
427.00 > 407.00	5.649	5.638	0.011	1.000	26918	0.2066	Target=1.43	109	1581	
427.00 > 81.00	5.640	5.638	0.002	0.998	19575		1.38(0.72-2.15)	109	1107	M
D 35 M2-6:2 FTS										
429.00 > 81.00	5.649	5.640	0.009	0.998	262746	9.68		102	20641	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.649	5.642	0.007	1.067	122970	0.2074	Target=3.86	109	7232	
449.00 > 99.00	5.649	5.642	0.007	1.067	27766		4.43(1.93-5.79)	109	1625	
* 38 13C2 PFOA										
415.00 > 370.00	5.659	5.656	0.003		4076502	5.00			156767	
D 37 13C8 PFOA										
421.00 > 376.00	5.659	5.656	0.003	1.000	11171905	10.0		100	233982	
$ 39 13C4 PFOA										
417.00 > 372.00	5.659	5.656	0.003	1.000	9601276	9.33		93.3	277093	
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.659	5.659	0.0	1.000	194332	0.2328	Target=2.48	116	3685	M
413.00 > 169.00	5.659	5.659	0.0	1.000	73367		2.65(1.24-3.72)	116	3730	M
D 41 13C8 PFOS										
507.00 > 80.00	5.981	5.975	0.005	1.000	6284375	9.66		101	89991	
43 Perfluorooctanesulfonic acid										M
499.00 > 80.00	5.981	5.977	0.003	1.000	144880	0.2017	Target=4.45	109	13704	M
499.00 > 99.00	5.972	5.977	-0.005	0.999	32207		4.50(2.23-6.68)	109	7786	M
* 42 13C4 PFOS										
503.00 > 80.00	5.981	5.977	0.003		3012349	4.78			105193	
44 Perfluorononanoic acid										
463.00 > 419.00	5.989	5.990	-0.001	0.999	191861	0.2412	Target=4.83	121	1425	
463.00 > 169.00	5.989	5.990	-0.001	0.999	34304		5.59(2.42-7.25)	121	2102	
D 45 13C9 PFNA										
472.00 > 427.00	5.997	5.994	0.003	1.003	9237377	10.2		102	279775	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.148	6.147	0.001	1.028	254406	0.1985		107	9320	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.270	0.002	1.049	134814	0.2044	Target=4.19	106	6709	
549.00 > 99.00	6.272	6.270	0.002	1.049	29605		4.55(2.09-6.28)	106	1219	
53 Perfluorodecanoic acid										M
513.00 > 469.00	6.298	6.294	0.004	1.000	208283	0.2220	Target=10.20	111	1794	
513.00 > 169.00	6.298	6.294	0.004	1.000	19278		10.80(5.10-15.29)	111	1160	M
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.298	0.0	1.000	10749524	9.73		97.3	367585	
56 8:2 FTS										
527.00 > 507.00	6.298	6.298	0.0	0.999	29060	0.2328	Target=1.44	122	1686	
527.00 > 81.00	6.298	6.298	0.0	0.999	22441		1.29(0.72-2.16)	122	1394	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.298	0.0		5811994	5.00			279530	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.307	6.303	0.003	1.001	170184	9.01		94.1	10030	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.386	6.386	0.0	0.998	214709	0.2126		106	15187	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.392	0.005	1.016	10202820	9.34		93.4	128073	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.449	6.443	0.006	1.024	1845563	9.20		92.0	98894	
60 NMeFOSAA										M
570.00 > 419.00	6.449	6.446	0.003	1.000	38472	0.2334	Target=1.62	117	2806	M
570.00 > 483.00	6.449	6.446	0.003	1.000	24966		1.54(0.81-2.44)	117	63.3	M
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.533	6.532	0.001	1.092	137288	0.1854	Target=4.24	96.1	5558	
599.00 > 99.00	6.533	6.532	0.001	1.092	33190		4.14(2.12-6.36)	96.1	1673	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.568	6.564	0.004	1.000	193359	0.2208	Target=8.77	110	1145	
563.00 > 169.00	6.568	6.564	0.004	1.000	21080		9.17(4.39-13.16)	110	1386	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.568	6.567	0.001	1.161	8832631	9.33		93.3	292642	
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.567	0.001	1.043	10603500	10.1		101	353329	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.579	6.579	0.0	1.045	1508659	9.75		97.5	21195	
67 NEtFOSAA										M
584.00 > 419.00	6.603	6.592	0.011	1.004	30140	0.2090	Target=1.47	104	6555	M
584.00 > 526.00	6.579	6.592	-0.013	1.000	21065		1.43(0.74-2.21)	104	6765	M
69 11ClFOS										
631.00 > 451.00	6.680	6.673	0.007	1.117	203559	0.1976		106	8417	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.808	6.802	0.006	1.000	187469	0.2415	Target=5.09	121	2369	
613.00 > 169.00	6.808	6.802	0.006	1.000	40641		4.61(2.54-7.63)	121	1051	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.805	0.003	1.081	7744243	9.60		96.0	270264	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
75 10:2 FTS										
627.00 > 607.00	6.818	6.820	-0.002	1.081	14945	0.1670	Target=0.84	86.6	1047	
627.00 > 81.00	6.818	6.820	-0.002	1.081	22141		0.67(0.42-1.26)	86.6	1185	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.829	6.822	0.007	1.084	1998065	9.41		94.1	7311	
77 N-MeFOSE-M										
616.00 > 59.00	6.829	6.828	0.001	1.000	40881	0.1946		97.3	438	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.849	6.842	0.007	1.088	1252699	9.22		92.2	29915	
78 NMeFOSA										M
512.00 > 169.00	6.849	6.842	0.007	1.000	24459	0.1954		97.7	1746	M
80 PFDoS										
699.00 > 80.00	6.984	6.978	0.006	1.168	155530	0.2215		114	4472	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.984	6.982	0.002	1.109	2183309	9.46		94.6	12464	
82 N-EtFOSE-M										
630.00 > 59.00	6.994	6.991	0.003	1.001	49734	0.2089		104	942	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.003	7.004	-0.001	1.112	1226349	9.42		94.2	30118	
84 N-EtFOSA-M										
526.00 > 169.00	7.014	7.008	0.006	1.002	25779	0.1965		98.3	1452	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.014	7.008	0.006	1.030	143438	0.2342	Target=4.59	117	615	
663.00 > 169.00	7.014	7.008	0.006	1.030	28421		5.05(2.29-6.88)	117	1061	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.191	7.189	0.002	0.999	165756	0.2481	Target=5.25	124	511	
713.00 > 169.00	7.191	7.189	0.002	0.999	30248		5.48(2.62-7.87)	124	1441	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.200	7.193	0.007	1.143	7925924	9.29		92.9	268216	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.487	7.487	0.0	1.040	219468	0.2574	Target=8.75	129	751	
813.00 > 169.00	7.487	7.487	0.0	1.040	23841		9.21(4.38-13.13)	129	1412	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.722	7.719	0.003	1.072	114282	0.2237	Target=8.07	112	2701	
913.00 > 169.00	7.722	7.719	0.003	1.072	13326		8.58(4.04-12.11)	112	1436	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFC_STD_MOD1_00034 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:24:25 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d

Injection Date: 21-Jul-2021 22:47:50 Instrument ID: 30733

Lims ID: IC CAL1

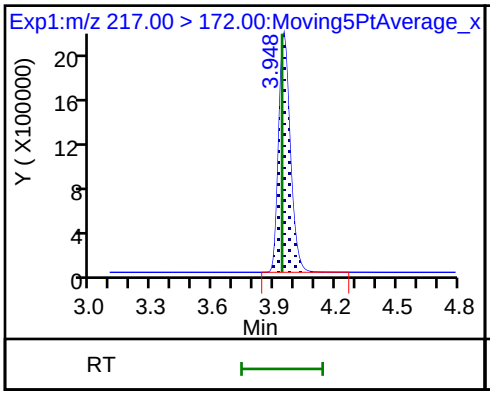
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20002 Worklist Smp#: 1

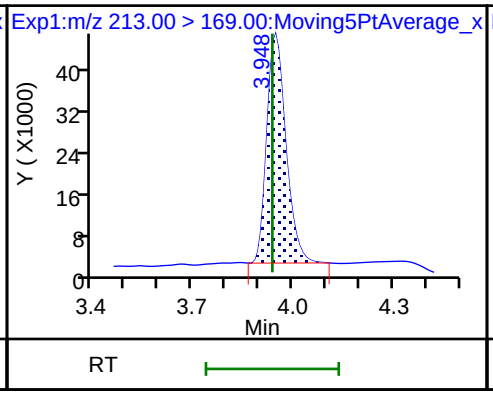
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

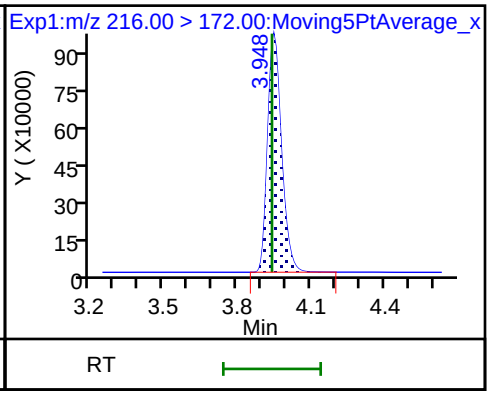
D 3 13C4 PFBA



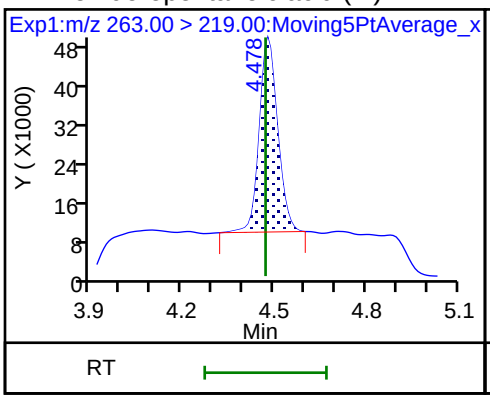
2 Perfluorobutanoic acid



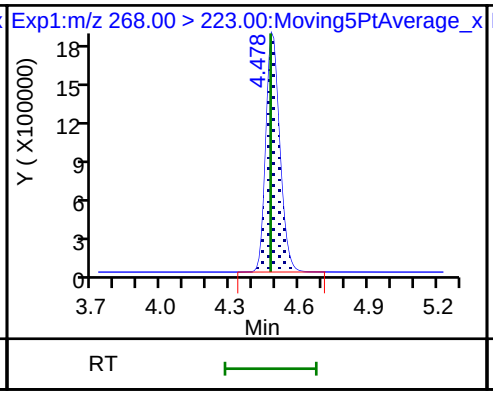
* 4 13C3-PFBA



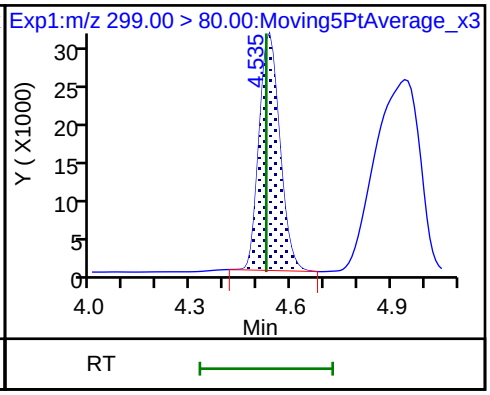
7 Perfluoropentanoic acid (M)



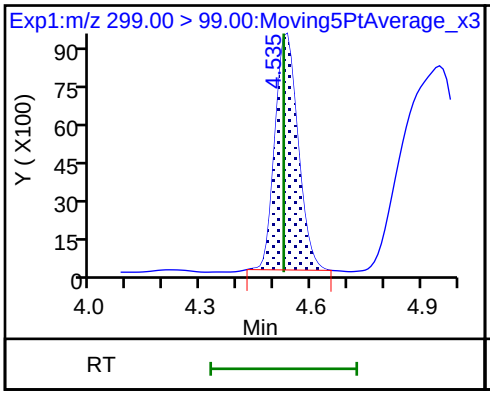
D 8 13C5 PFPeA



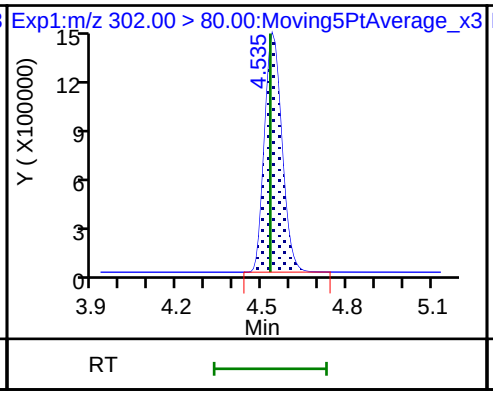
10 Perfluorobutanesulfonic acid



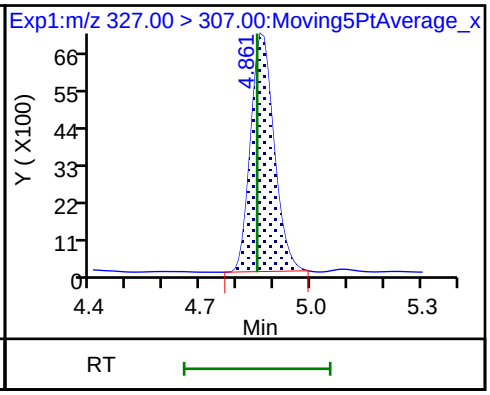
10 Perfluorobutanesulfonic acid



D 11 13C3 PFBS



15 4:2 FTS



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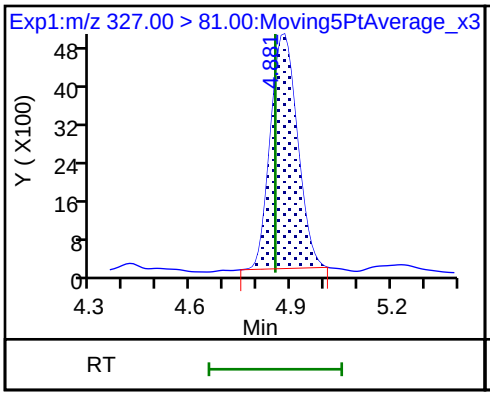

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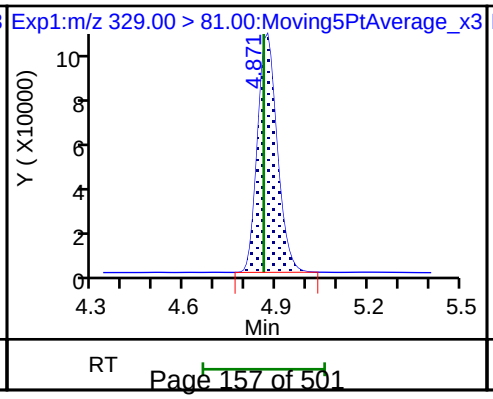
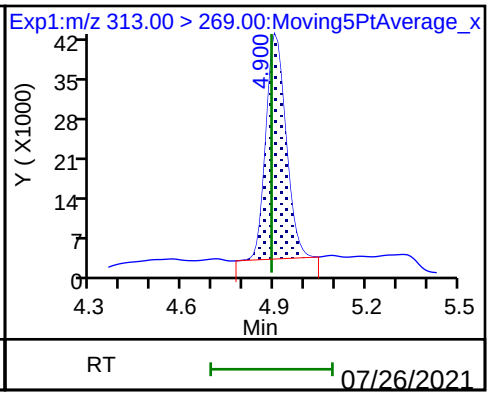
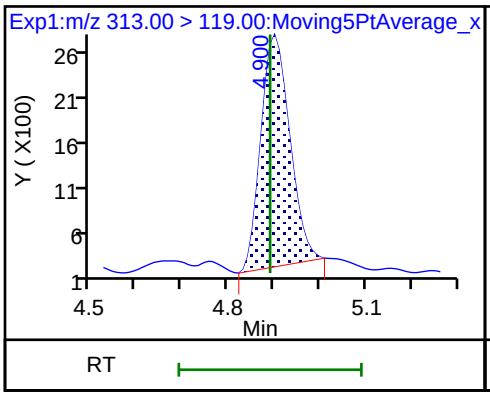


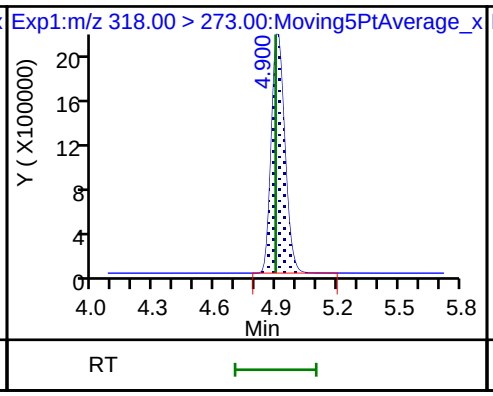
17 Perfluorohexanoic acid



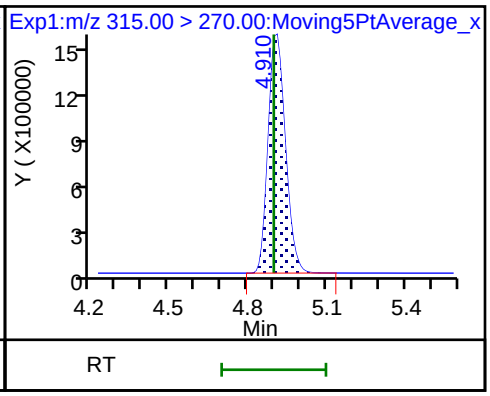
17 Perfluorohexanoic acid



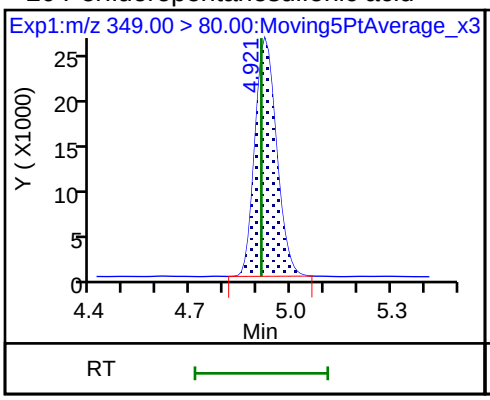
D 19 13C5 PFHxA



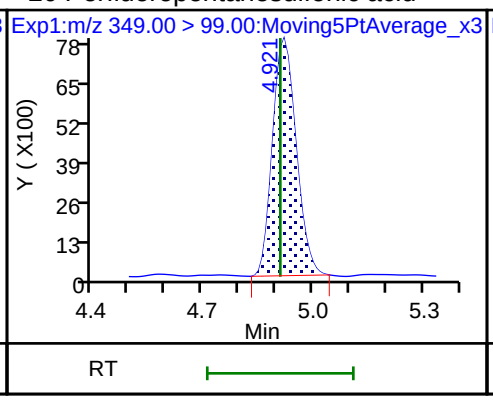
$ 18 13C2 PFHxA



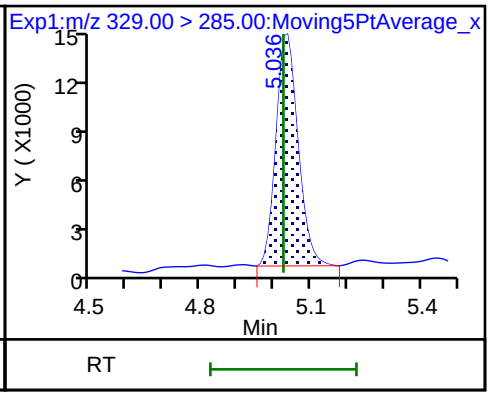
20 Perfluoropentanesulfonic acid



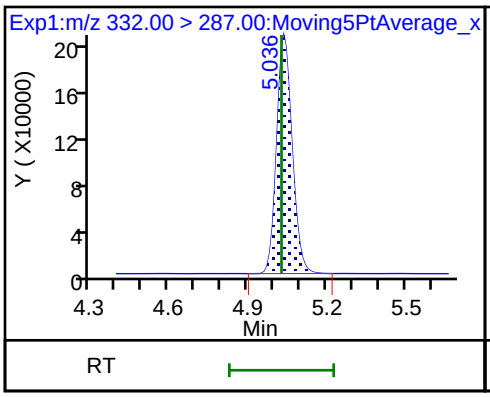
20 Perfluoropentanesulfonic acid



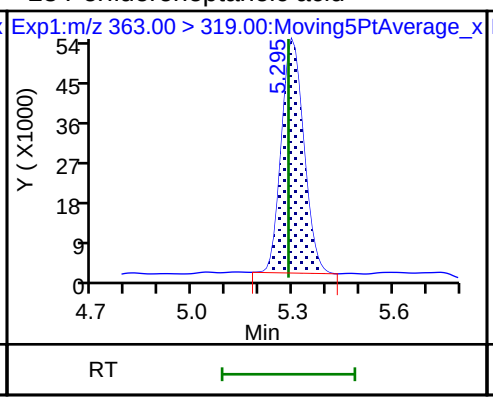
21 HFPO-DA



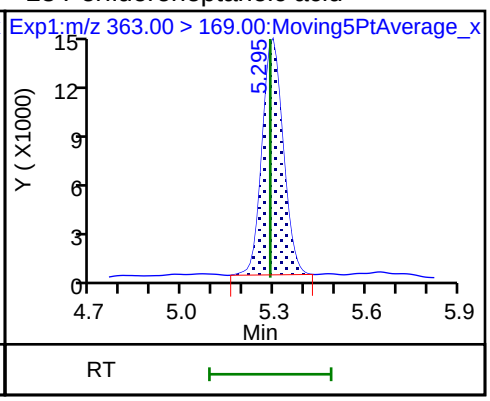
D 22 13C3 HFPO-DA



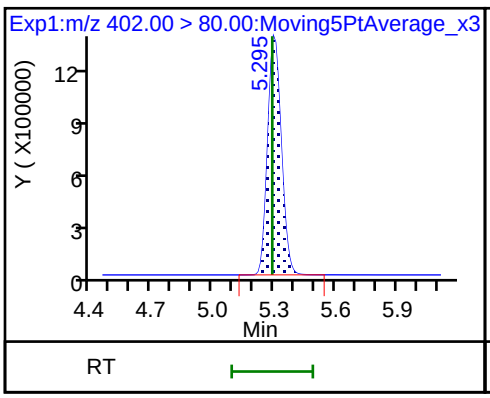
23 Perfluoroheptanoic acid



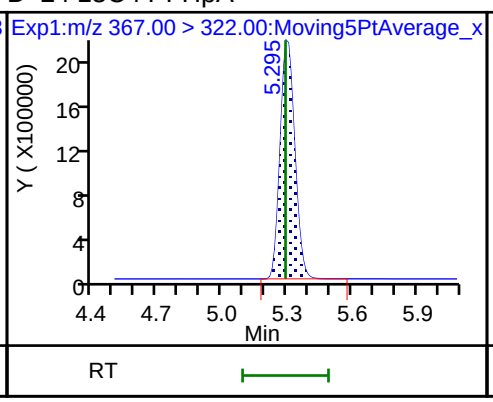
23 Perfluoroheptanoic acid



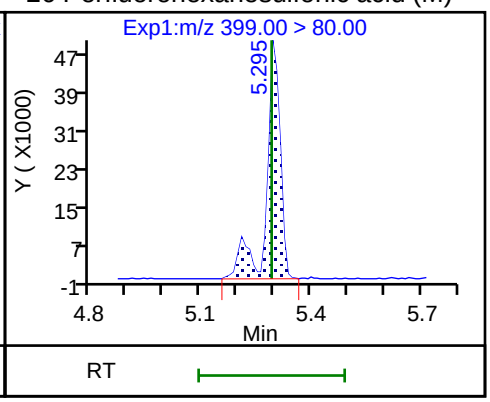
D 25 13C3 PFHxS



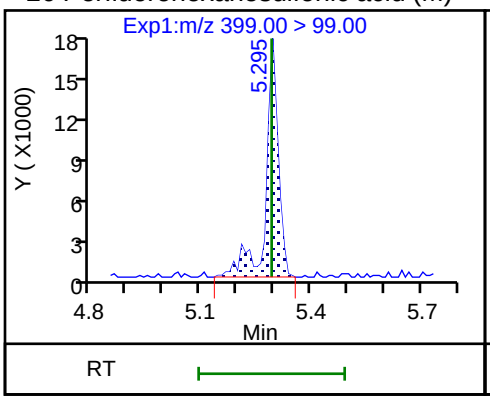
D 24 13C4 PFHpA



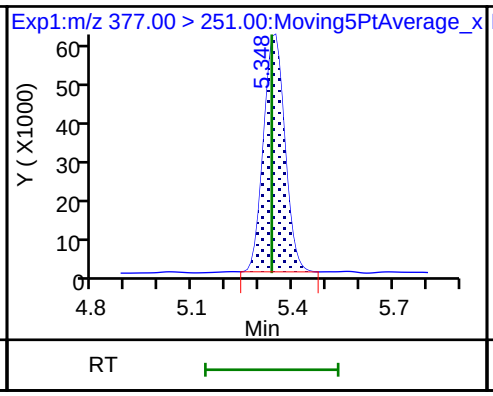
26 Perfluorohexanesulfonic acid (M)



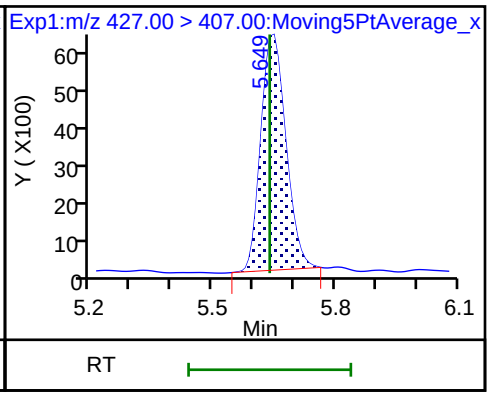
26 Perfluorohexanesulfonic acid (M)



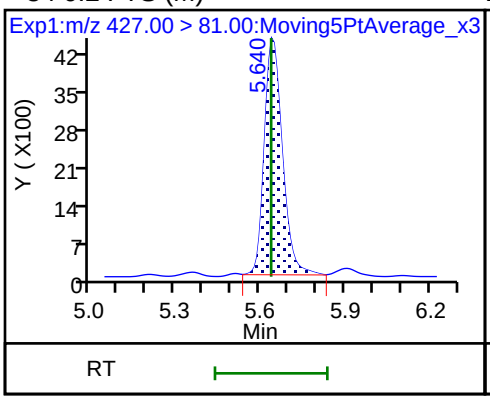
27 DONA



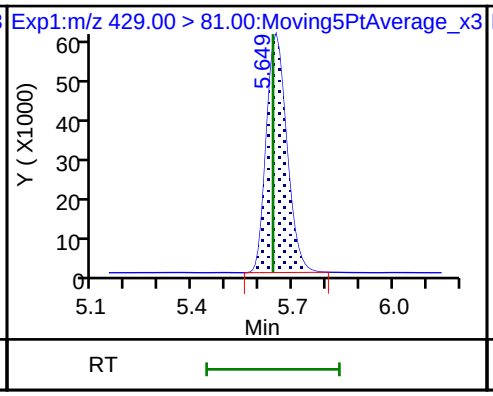
34 6:2 FTS



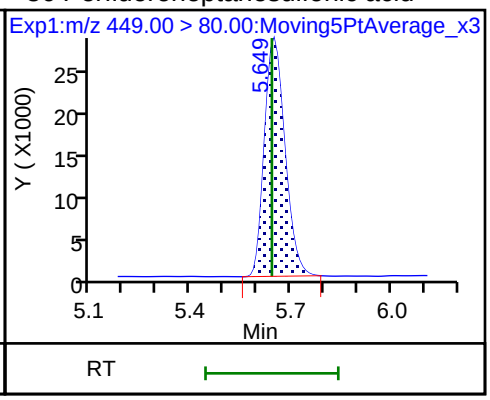
34 6:2 FTS (M)



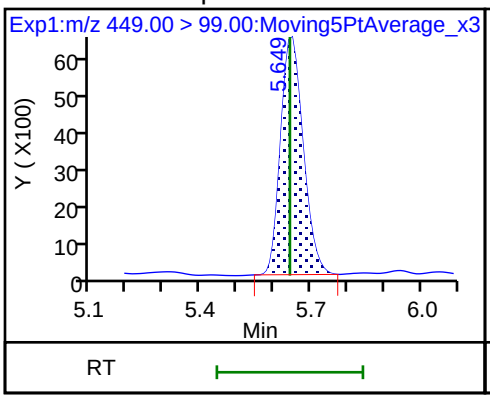
D 35 M2-6:2 FTS



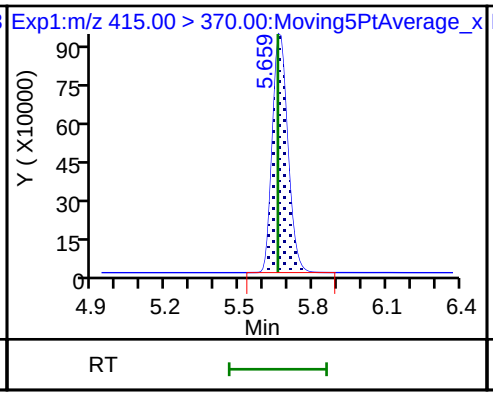
36 Perfluoroheptanesulfonic acid



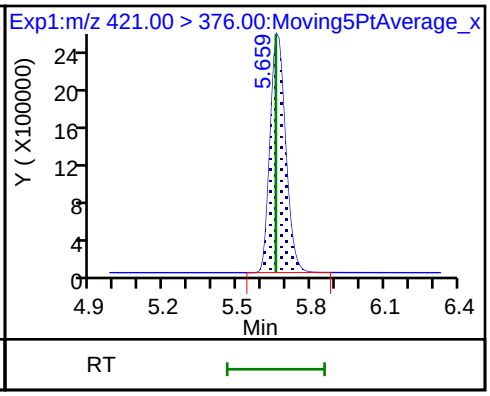
36 Perfluoroheptanesulfonic acid



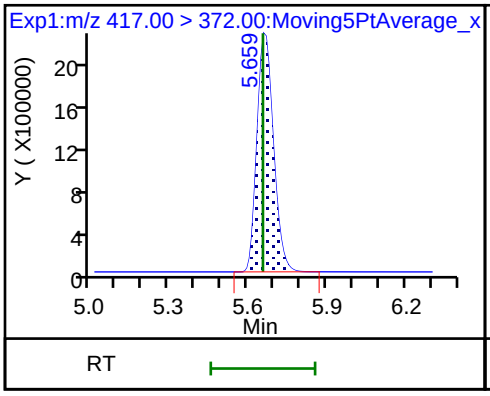
* 38 13C2 PFOA



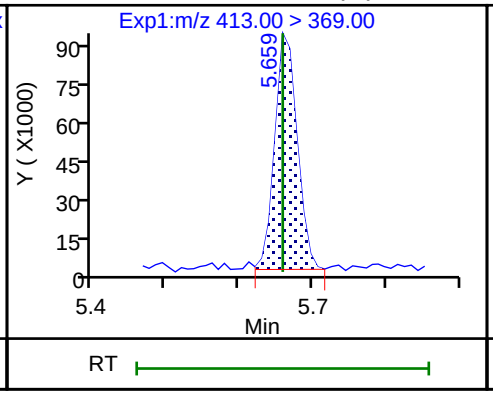
D 37 13C8 PFOA



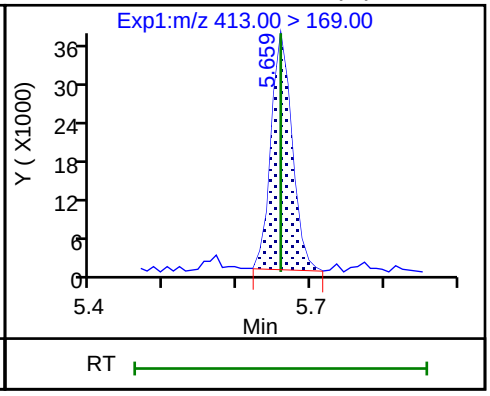
$ 39 13C4 PFOA



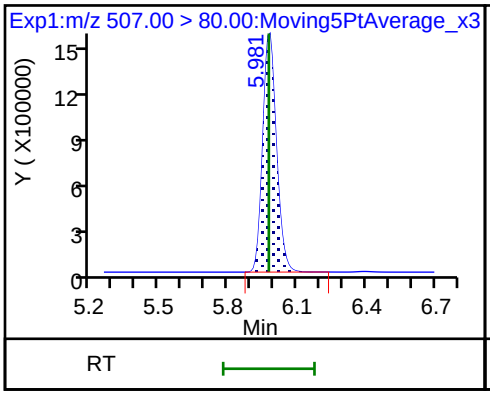
40 Perfluorooctanoic acid (M)



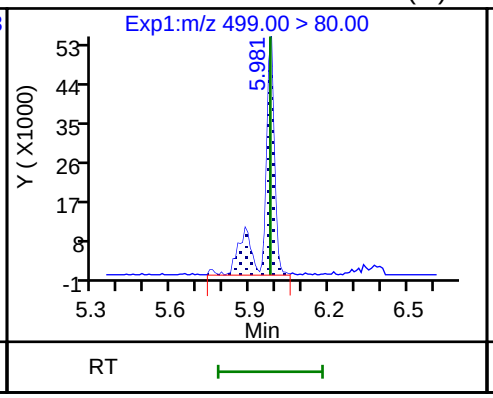
40 Perfluorooctanoic acid (M)



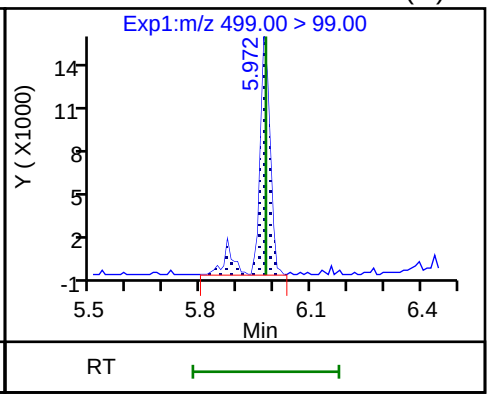
D 41 13C8 PFOS



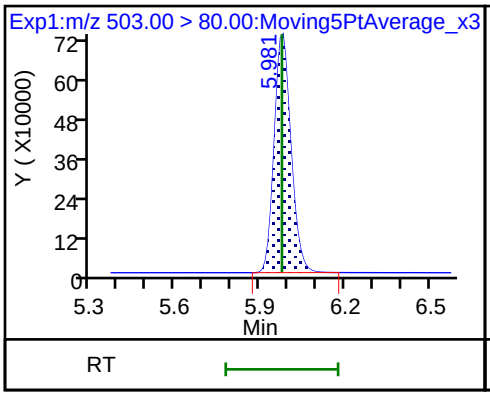
43 Perfluorooctanesulfonic acid (M)



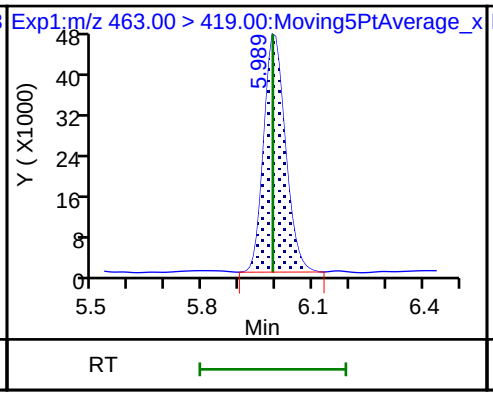
43 Perfluorooctanesulfonic acid (M)



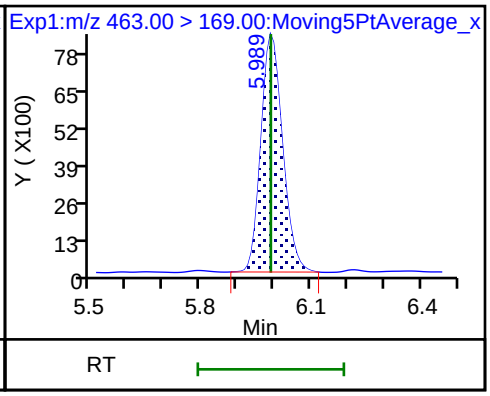
* 42 13C4 PFOS



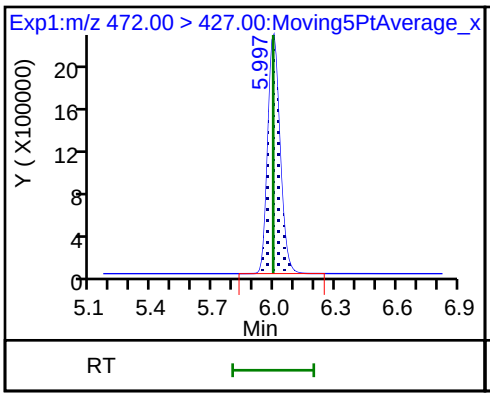
44 Perfluorononanoic acid



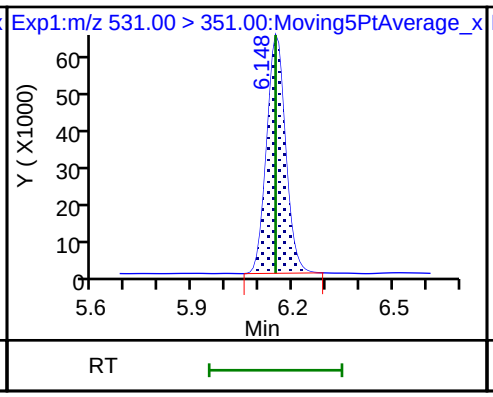
44 Perfluorononanoic acid



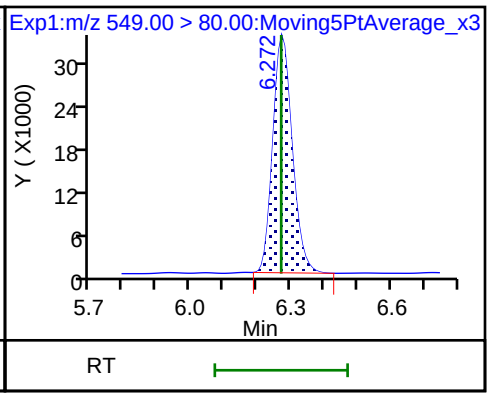
D 45 13C9 PFNA



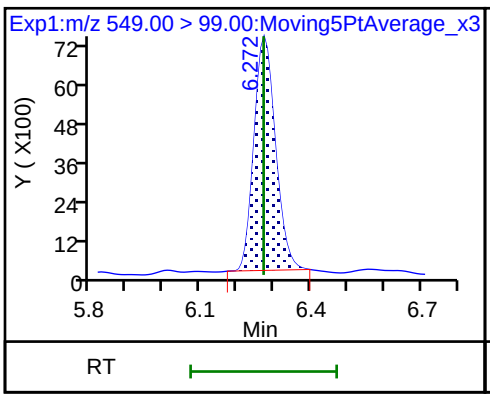
51 9ClFOS



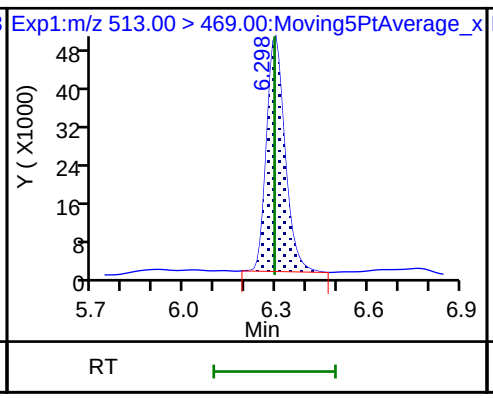
52 Perfluorononanesulfonic acid



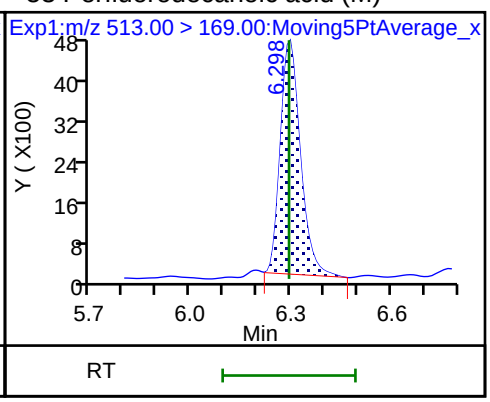
52 Perfluorononanesulfonic acid



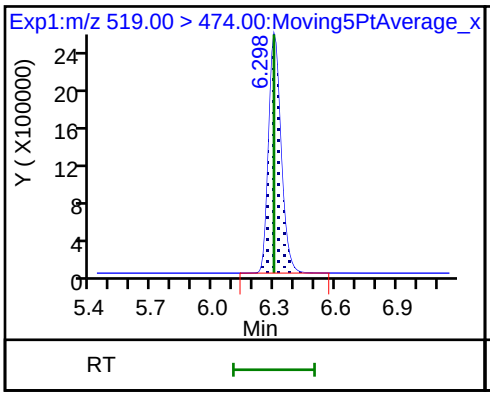
53 Perfluorodecanoic acid



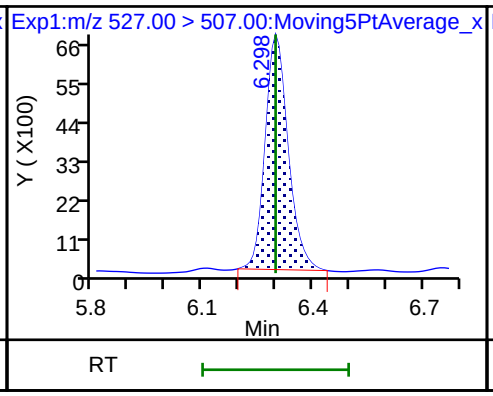
53 Perfluorodecanoic acid (M)



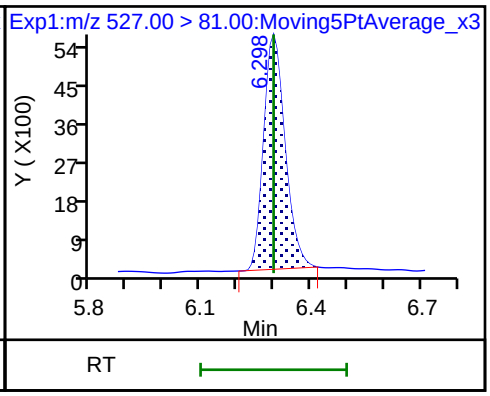
D 54 13C6 PFDA



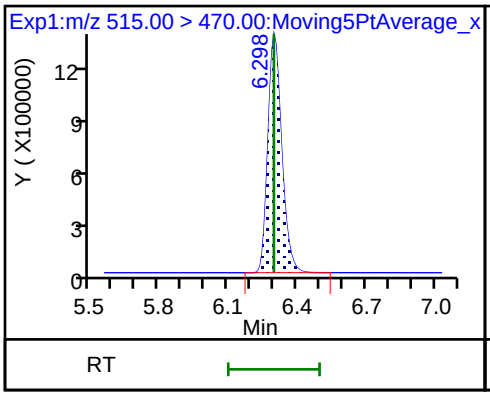
56 8:2 FTS



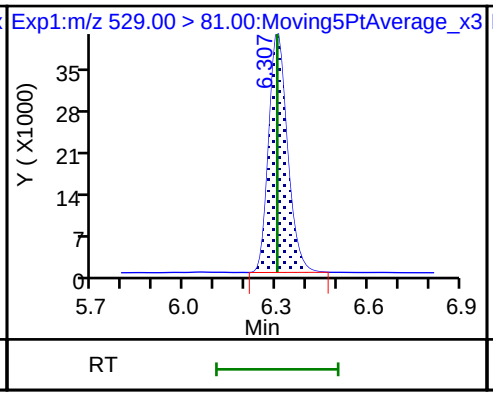
56 8:2 FTS



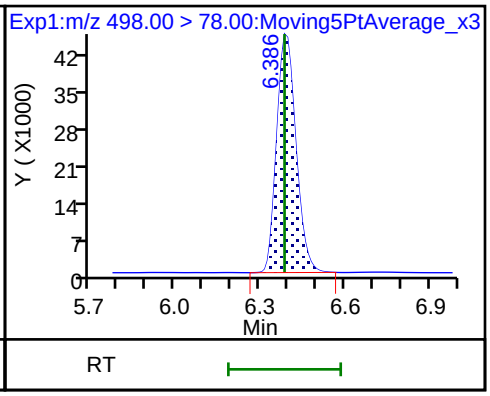
* 55 13C2 PFDA



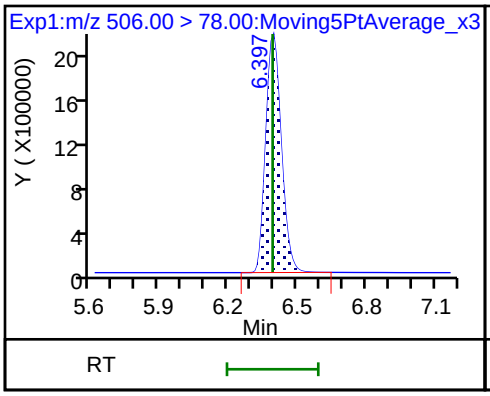
D 57 M2-8:2 FTS



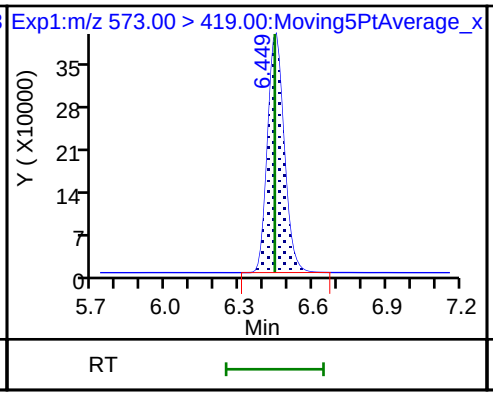
58 Perfluorooctanesulfonamide



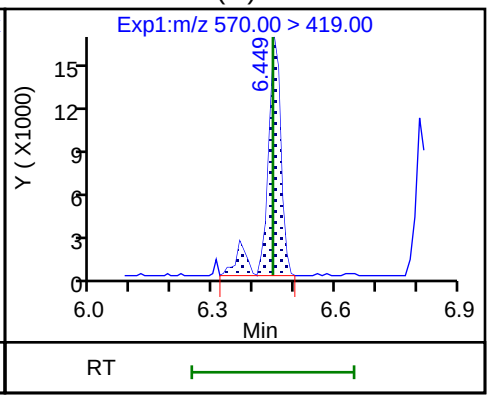
D 59 13C8 FOSA



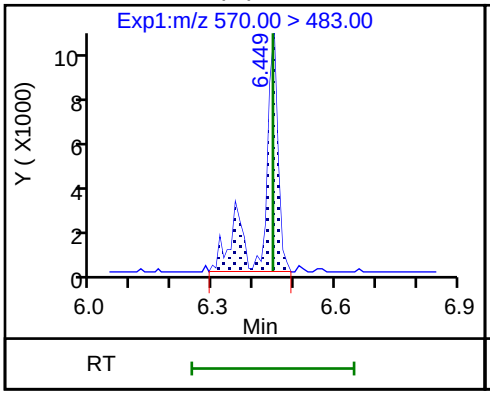
D 61 d3-NMeFOSAA



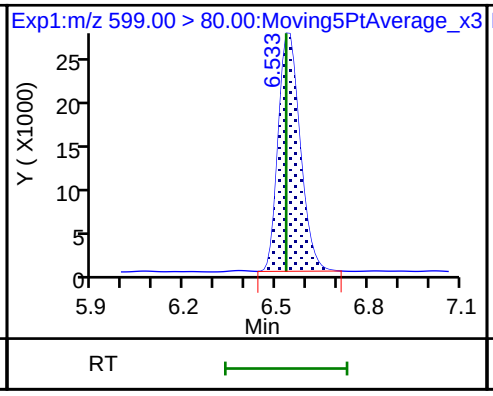
60 NMeFOSAA (M)



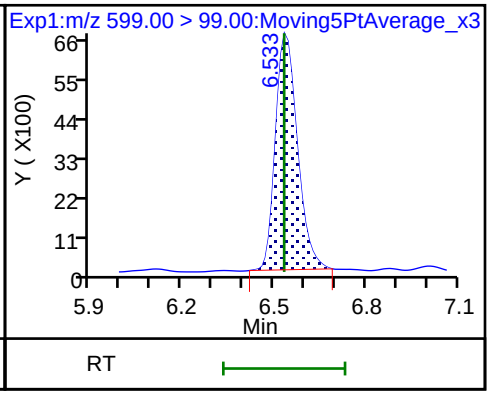
60 NMeFOSAA (M)



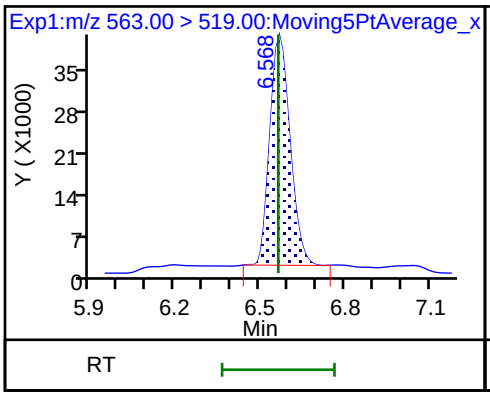
62 Perfluorodecanesulfonic acid



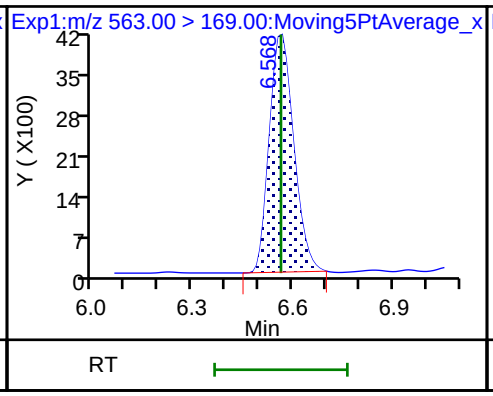
62 Perfluorodecanesulfonic acid



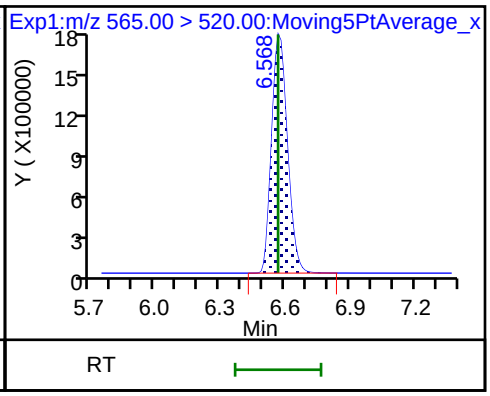
63 Perfluoroundecanoic acid



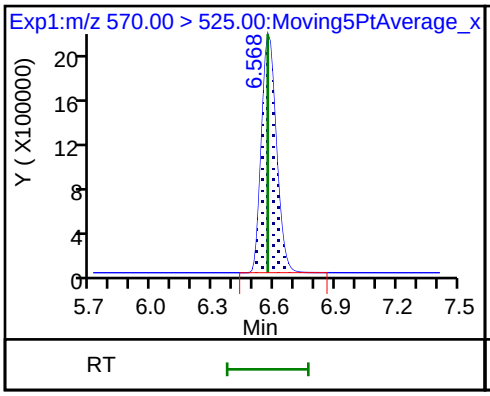
63 Perfluoroundecanoic acid



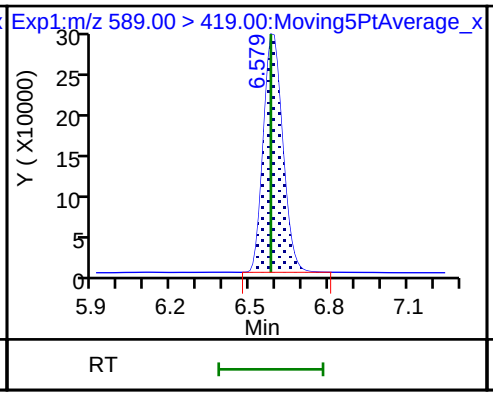
$ 64 13C2 PFUnA



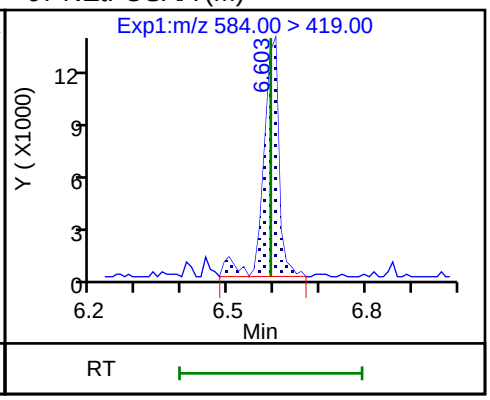
D 65 13C7 PFUnA



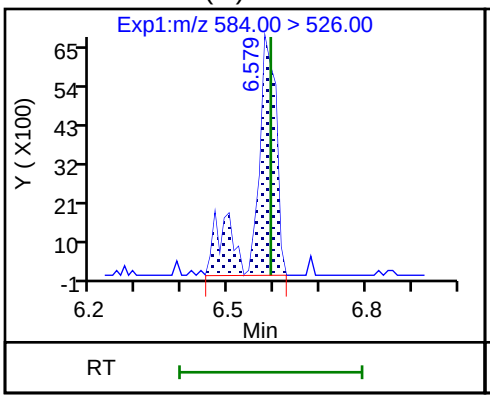
D 66 d5-NEtFOSAA



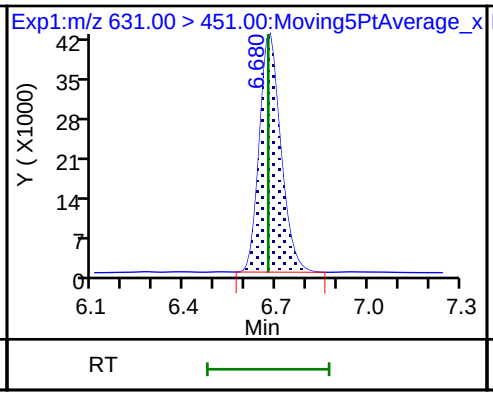
67 NEtFOSAA (M)



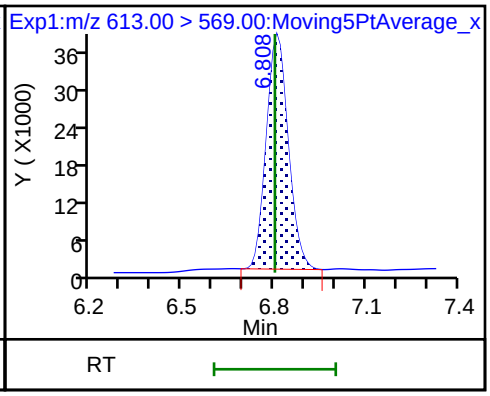
67 NEtFOSAA (M)



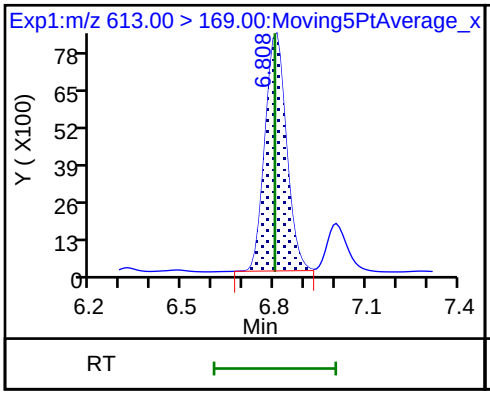
69 11ClFOS



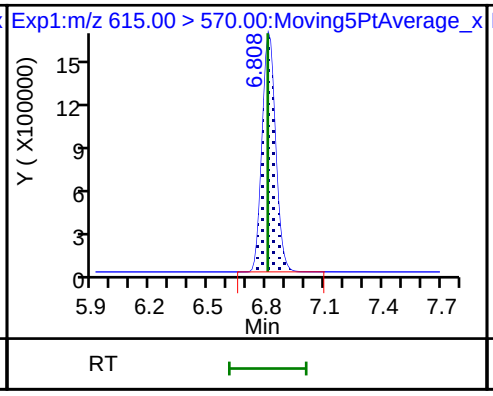
73 Perfluorododecanoic acid



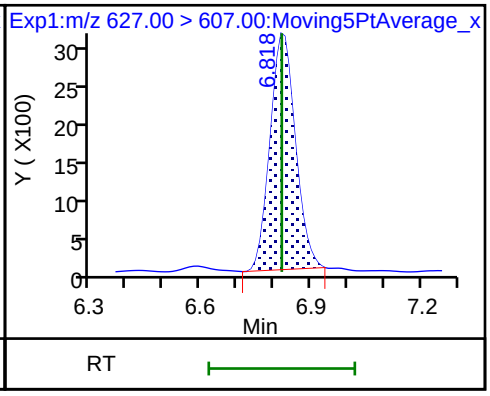
73 Perfluorododecanoic acid



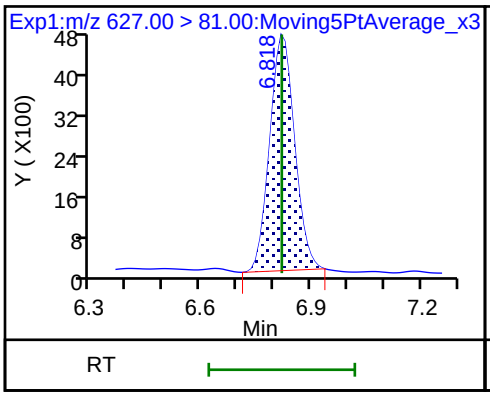
D 74 13C2-PFDoDA



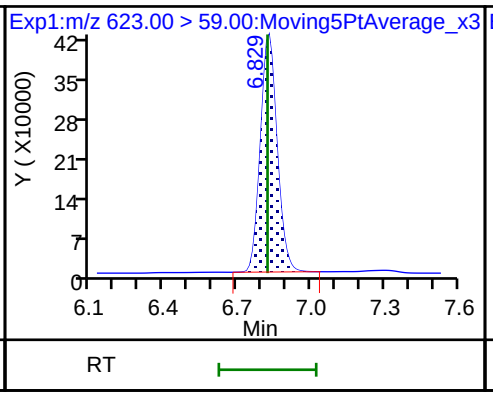
75 10:2 FTS



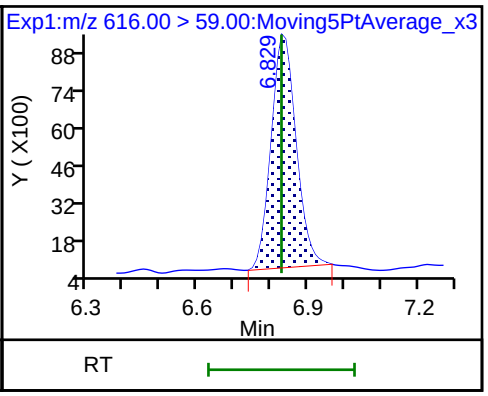
75 10:2 FTS



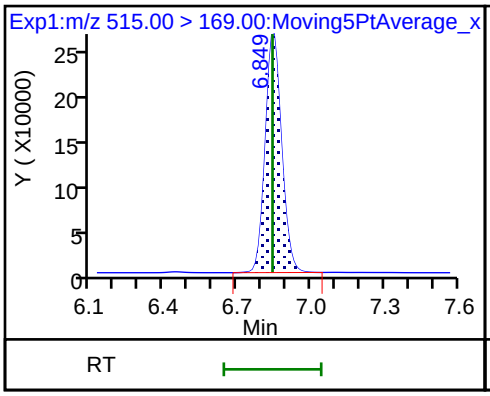
D 76 d7-N-MeFOSE-M



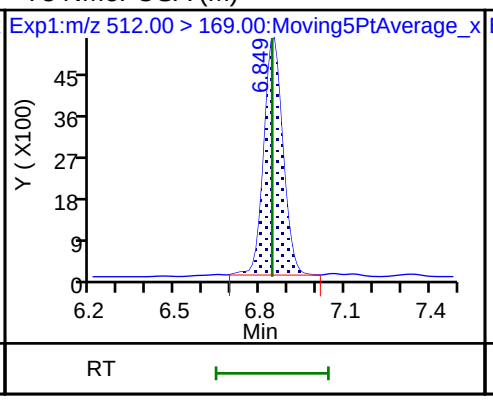
77 N-MeFOSE-M



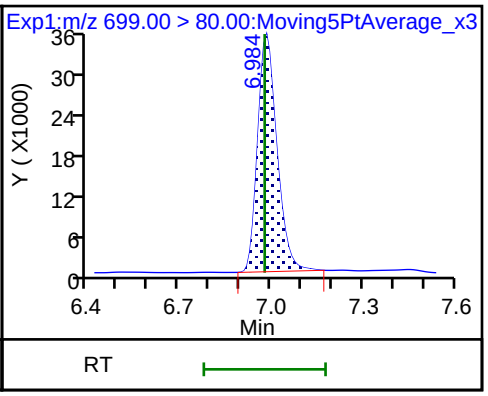
D 79 d3-NMePFOSA



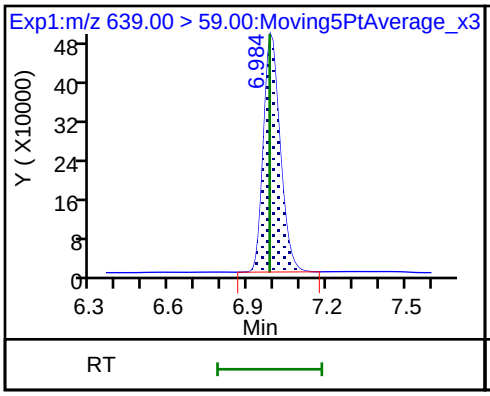
78 NMeFOSA (M)



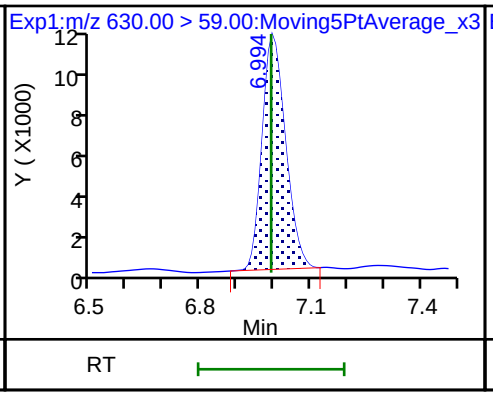
80 PFDoS



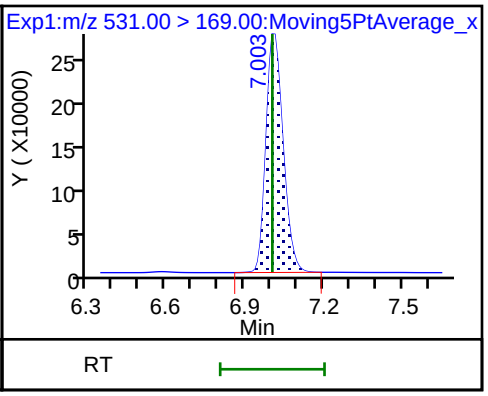
D 81 d9-N-EtFOSE-M



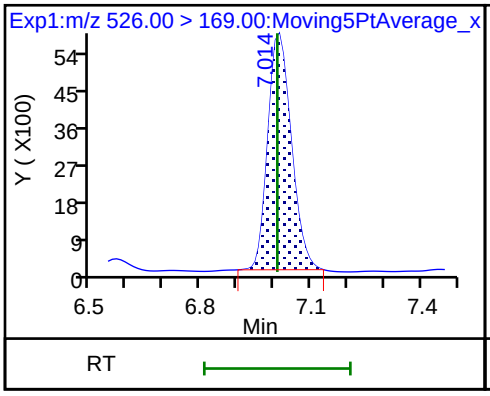
82 N-EtFOSE-M



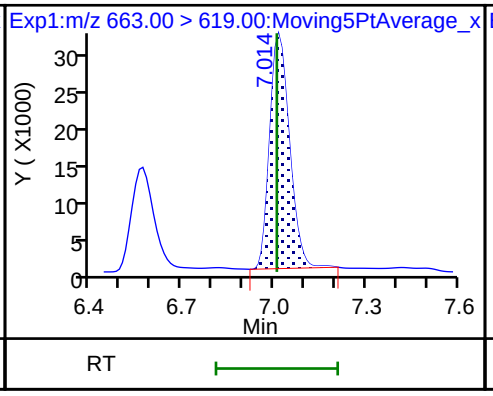
D 83 d5-NEtPFOSA



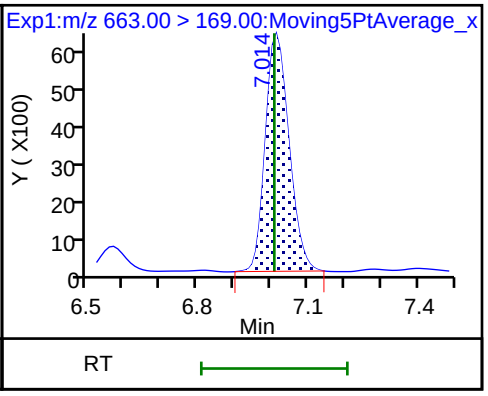
84 N-EtFOSA-M



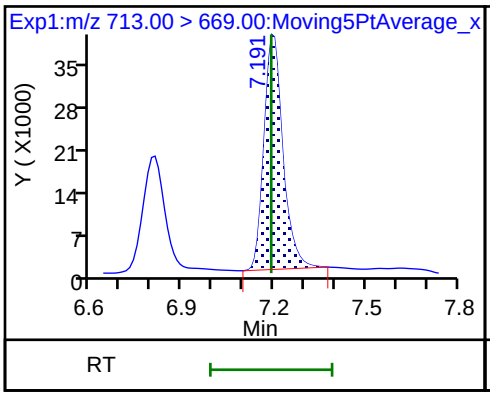
85 Perfluorotridecanoic acid



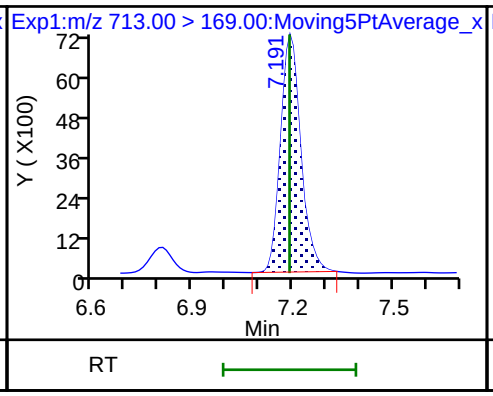
85 Perfluorotridecanoic acid



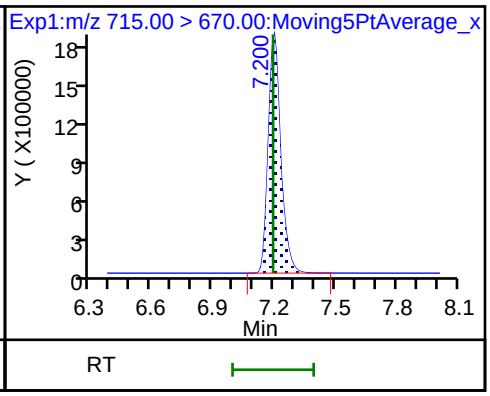
86 Perfluorotetradecanoic acid



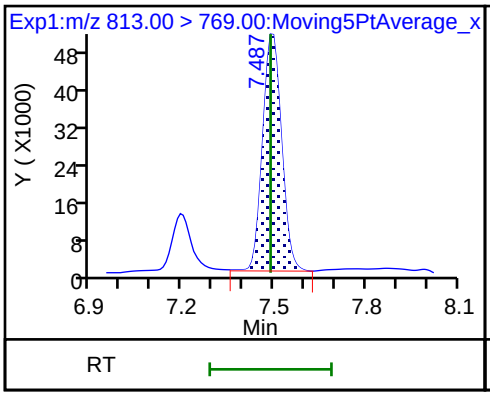
86 Perfluorotetradecanoic acid



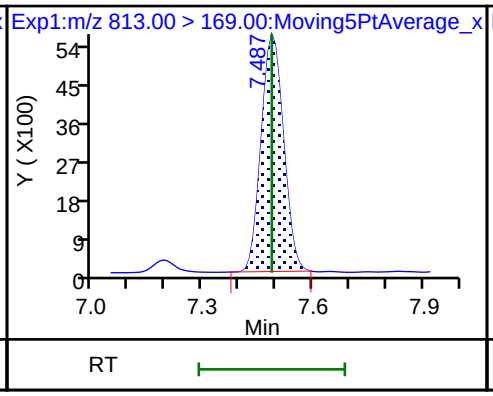
D 87 13C2 PFTeDA



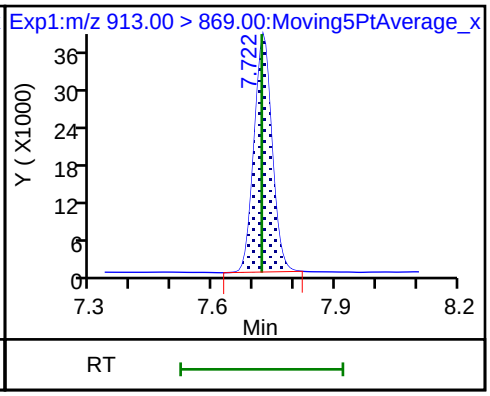
88 Perfluorohexadecanoic acid



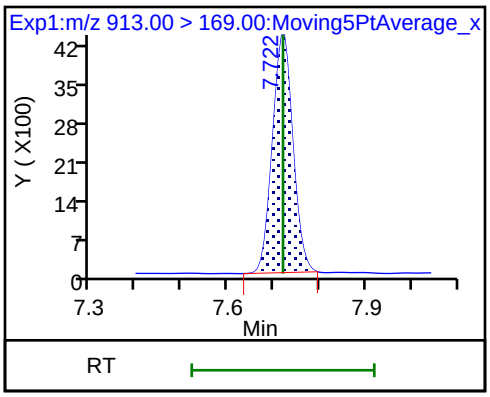
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Env, LLC

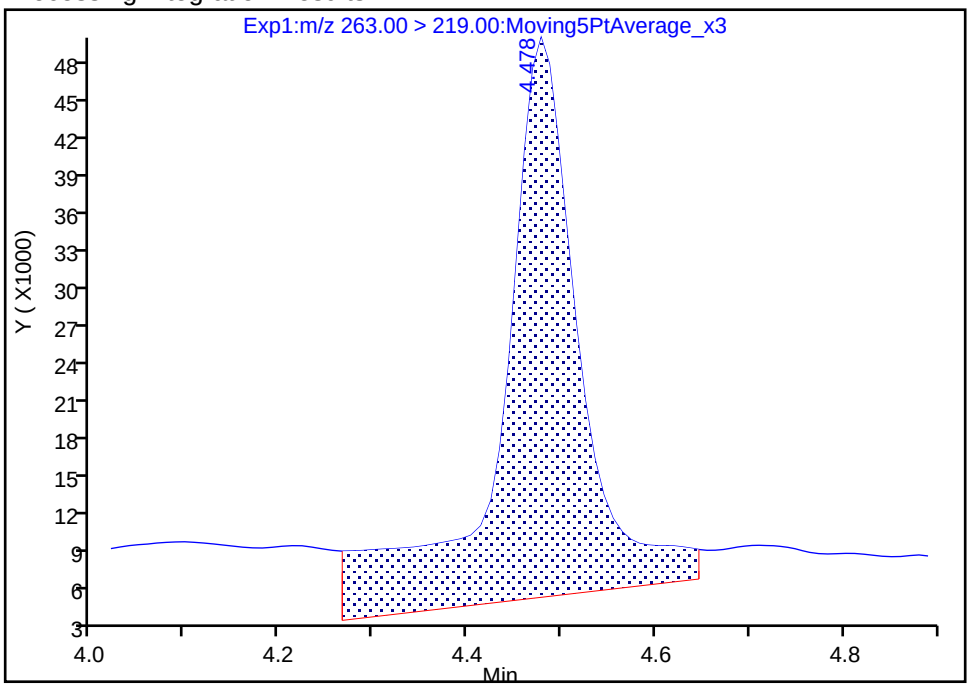
Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d
Injection Date: 21-Jul-2021 22:47:50 Instrument ID: 30733
Lims ID: IC CAL1
Client ID:
Operator ID: US19_USR_INS20260 ALS Bottle#: 20002 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA
Column: Detector EXP1

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

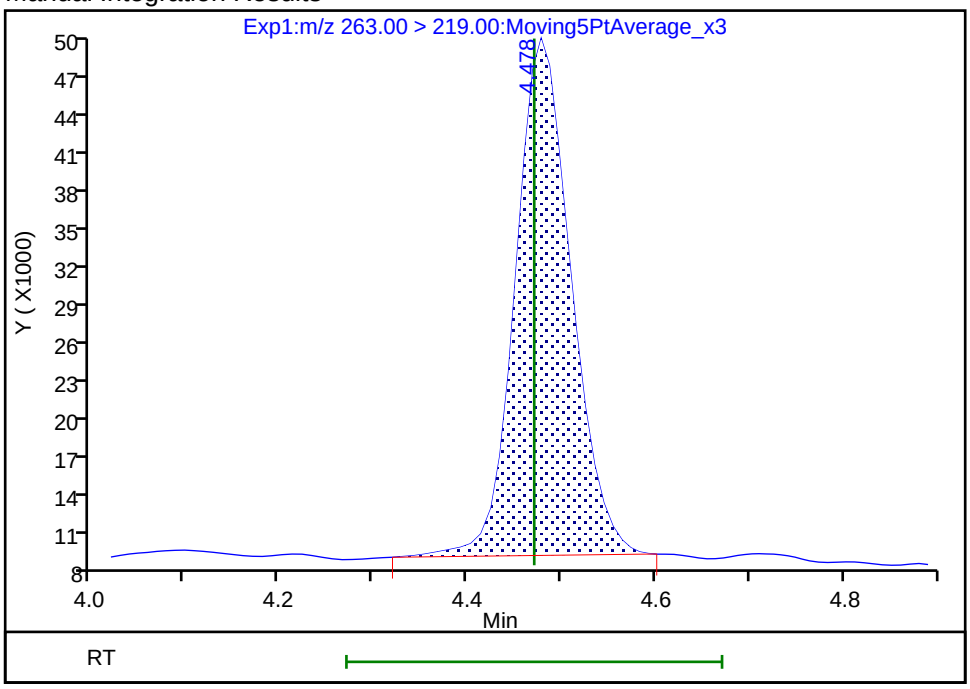
Processing Integration Results

RT: 4.48
Area: 259284
Amount: 0.211090
Amount Units: ng/ml



Manual Integration Results

RT: 4.48
Area: 165589
Amount: 0.225367
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:31:40
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

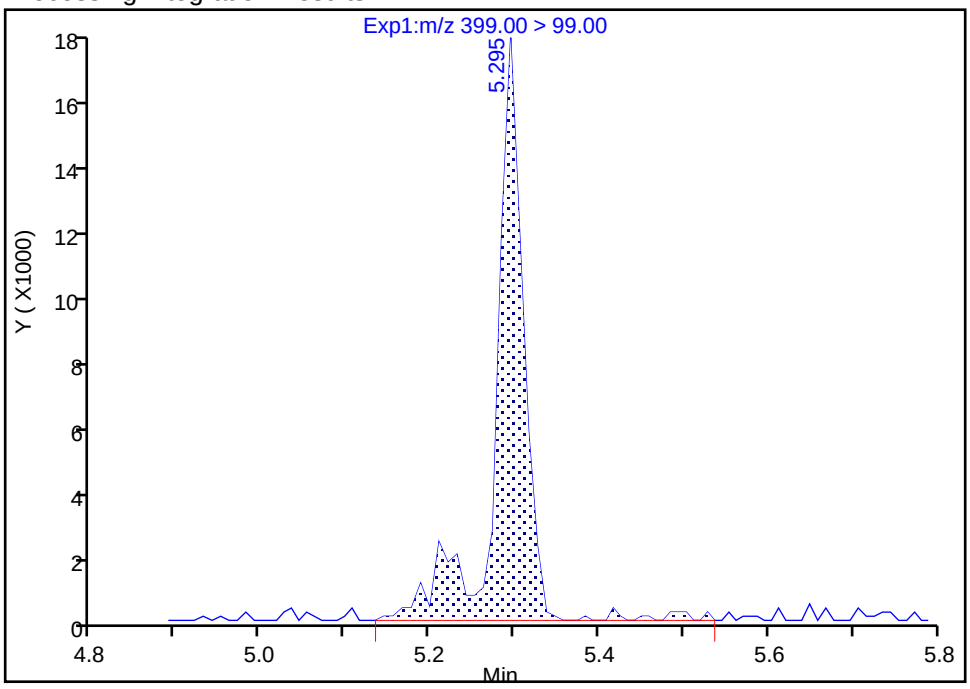
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

26 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

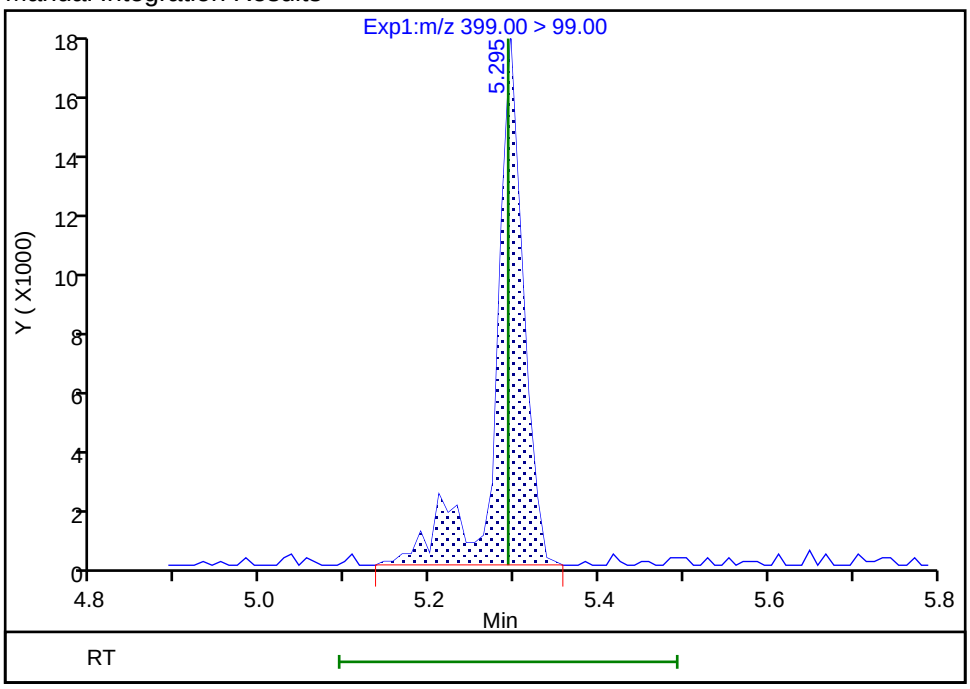
Processing Integration Results

RT: 5.30
Area: 41246
Amount: 0.195284
Amount Units: ng/ml



Manual Integration Results

RT: 5.30
Area: 40114
Amount: 0.194616
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:32:31
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

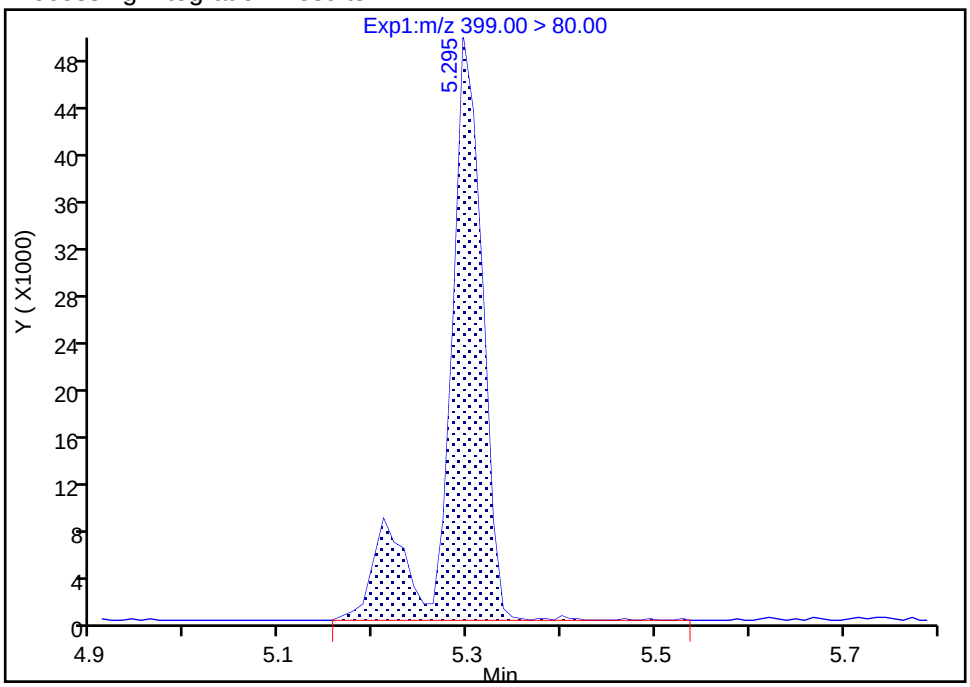
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

26 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

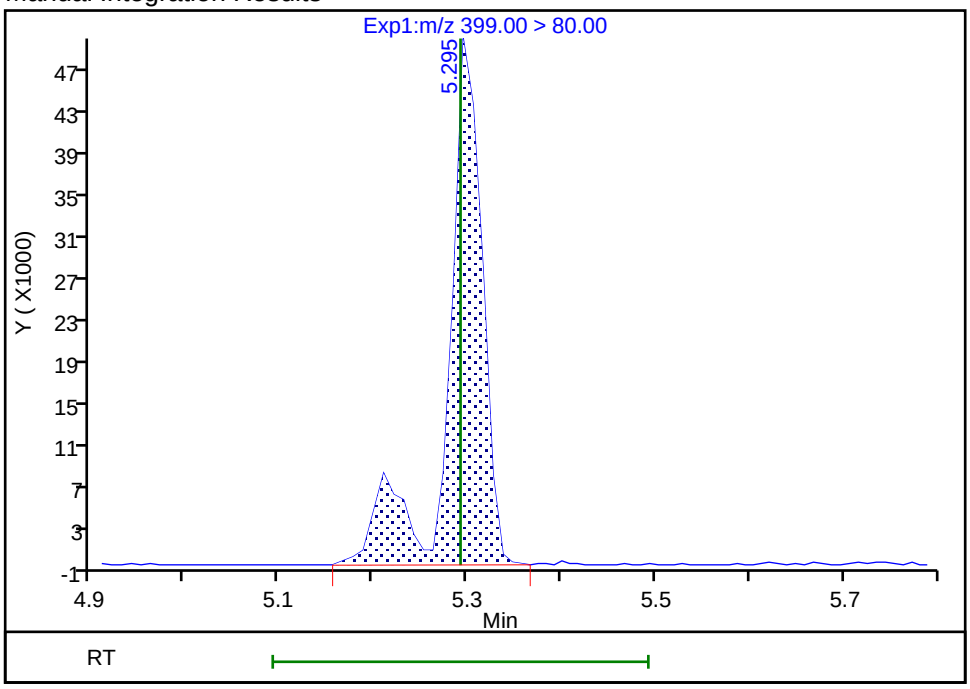
Processing Integration Results

RT: 5.30
Area: 127311
Amount: 0.195284
Amount Units: ng/ml



Manual Integration Results

RT: 5.30
Area: 126875
Amount: 0.194616
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:32:42

Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC

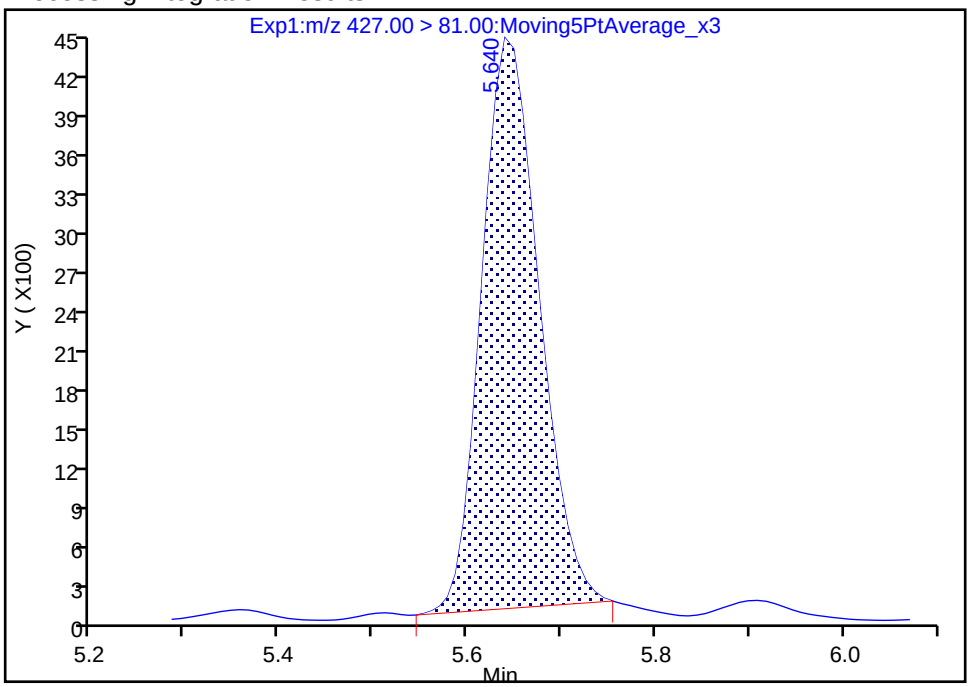
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

34 6:2 FTS, CAS: 27619-97-2

Signal: 2

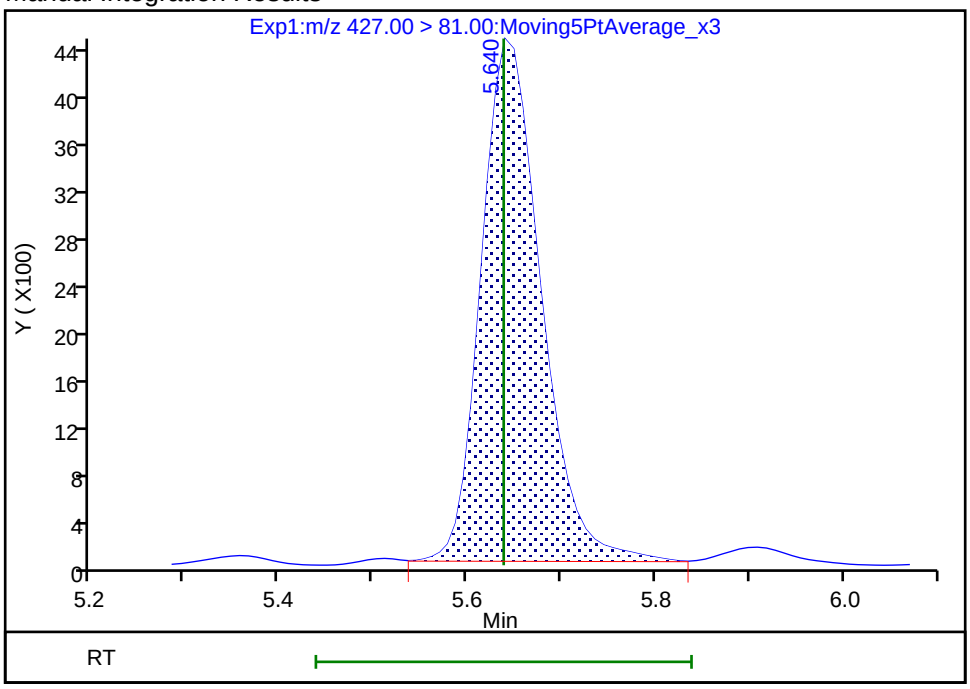
Processing Integration Results

RT: 5.64
Area: 18560
Amount: 0.206642
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 19575
Amount: 0.206642
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:33:05
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

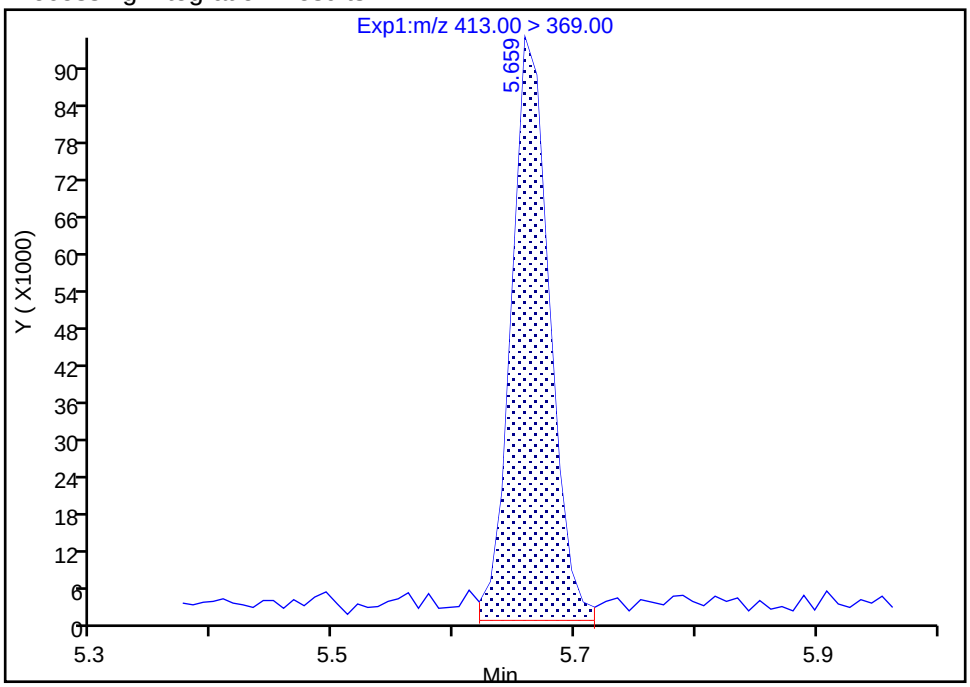
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

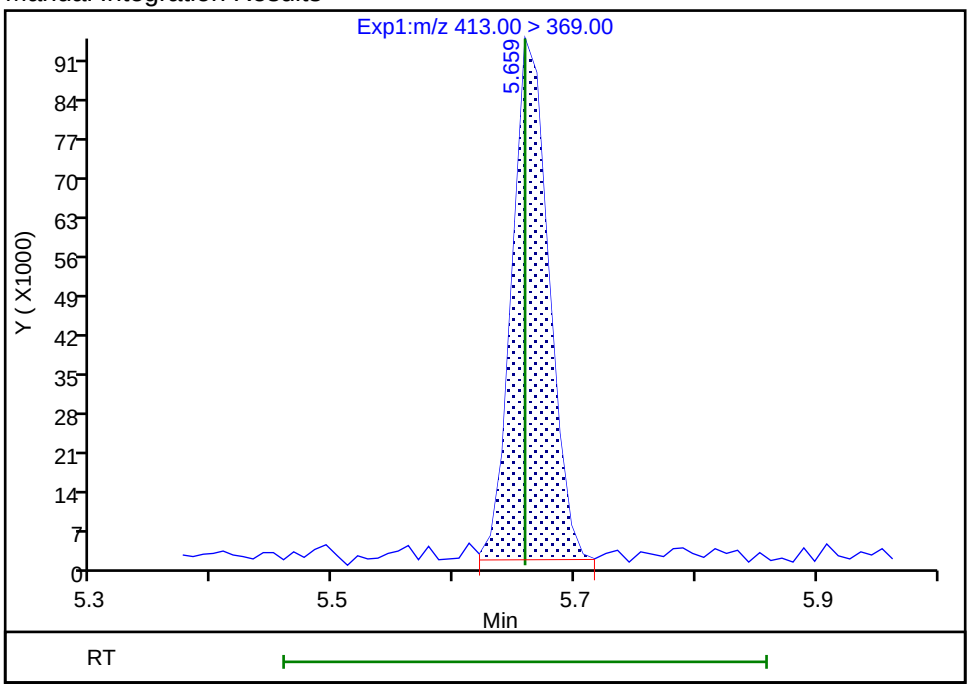
Processing Integration Results

RT: 5.66
Area: 205457
Amount: 0.246043
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 194332
Amount: 0.232766
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:33:28

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

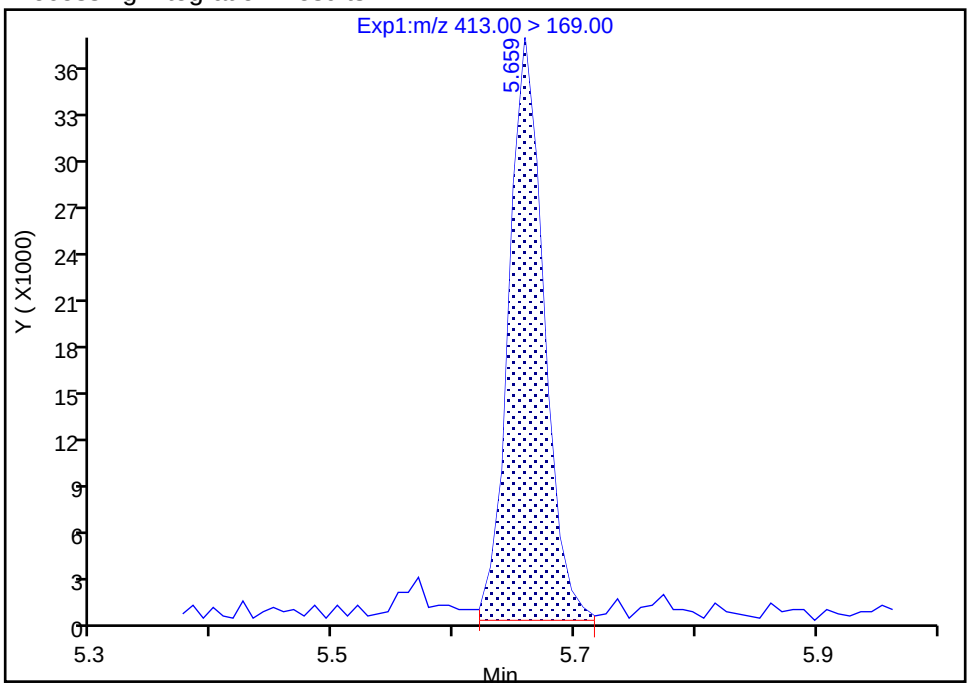
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

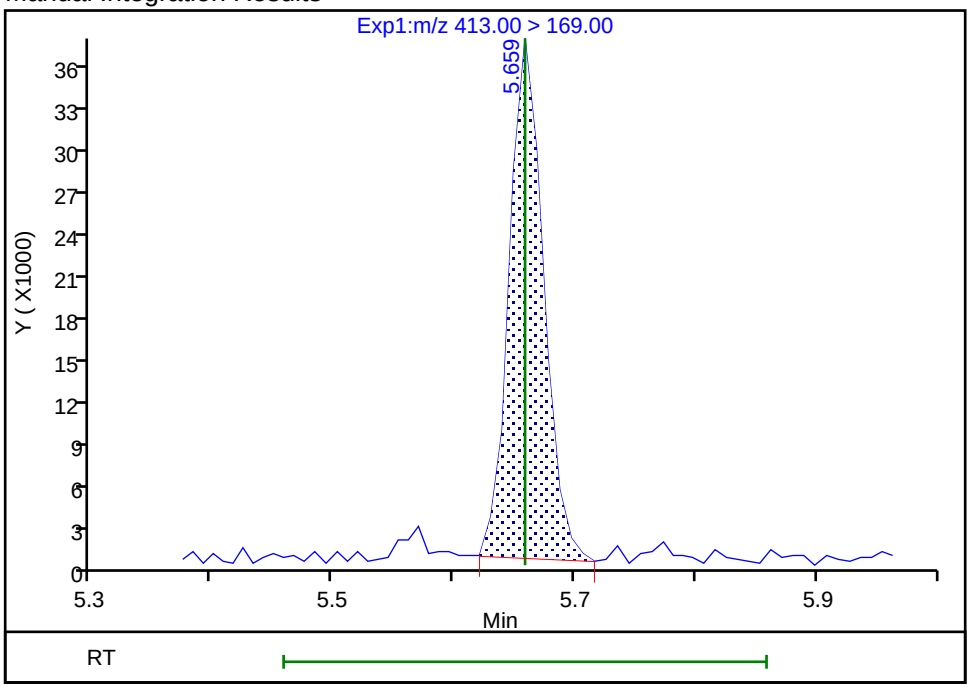
Processing Integration Results

RT: 5.66
Area: 75912
Amount: 0.246043
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 73367
Amount: 0.232766
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:33:38

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

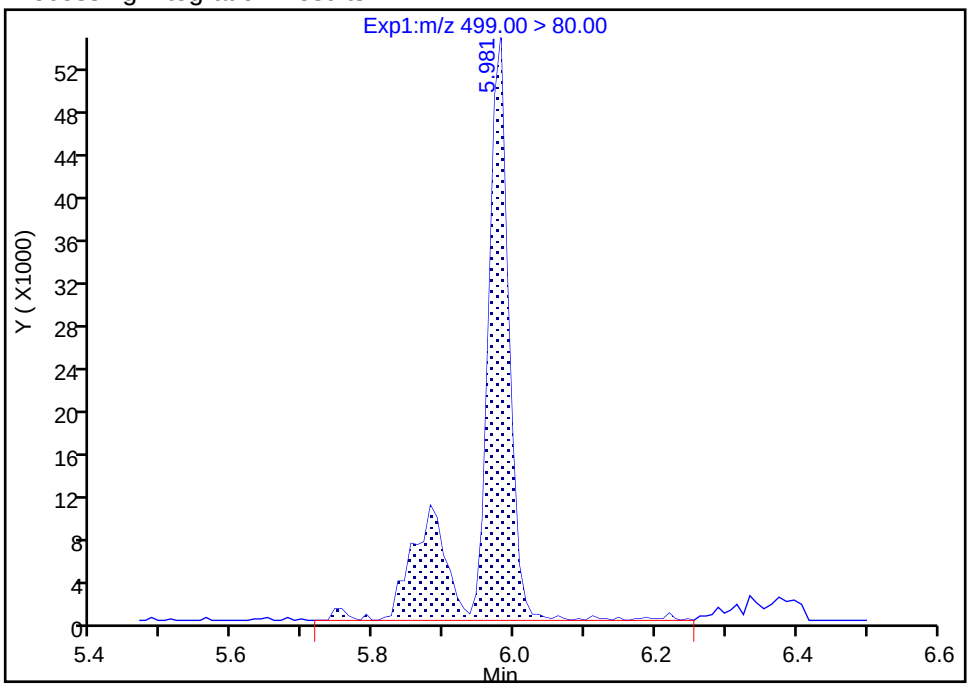
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

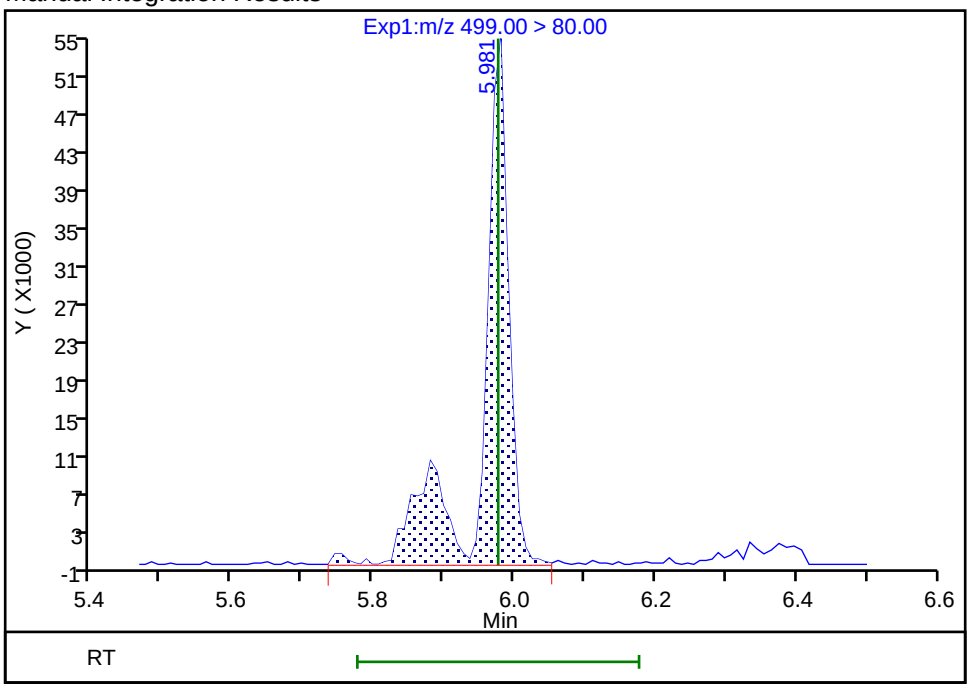
Processing Integration Results

RT: 5.98
Area: 145060
Amount: 0.201885
Amount Units: ng/ml



Manual Integration Results

RT: 5.98
Area: 144880
Amount: 0.201654
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:34:08
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

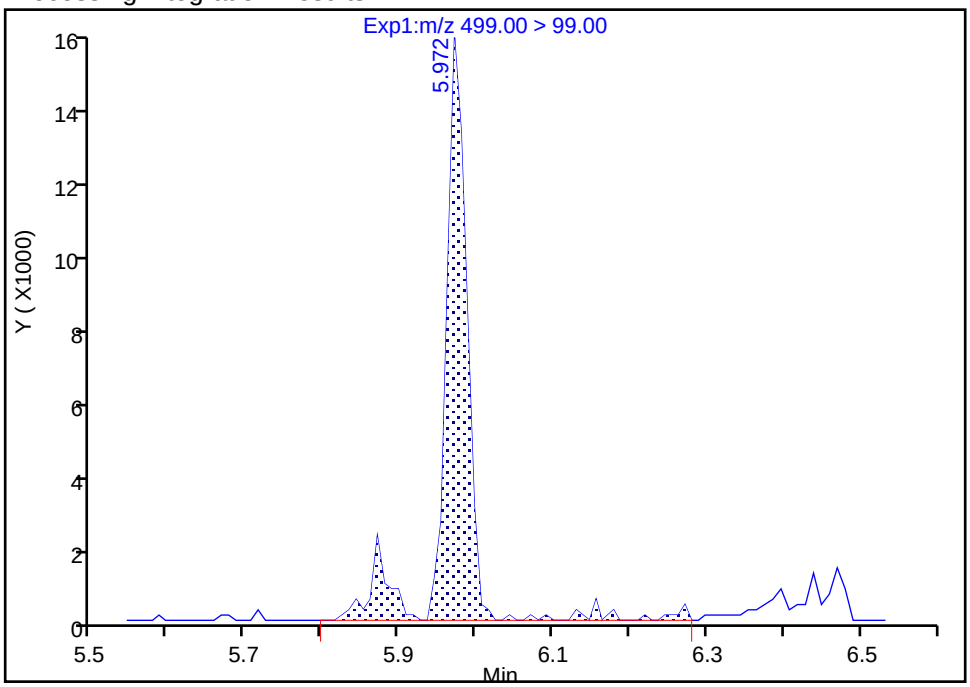
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

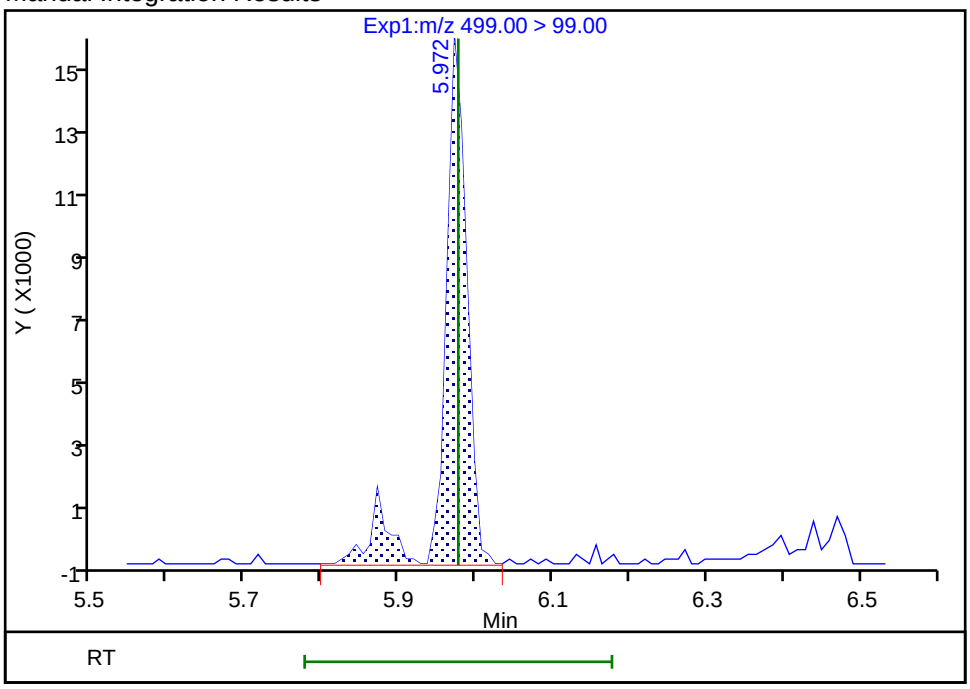
Processing Integration Results

RT: 5.97
Area: 33083
Amount: 0.201885
Amount Units: ng/ml



Manual Integration Results

RT: 5.97
Area: 32207
Amount: 0.201654
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:34:16

Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC

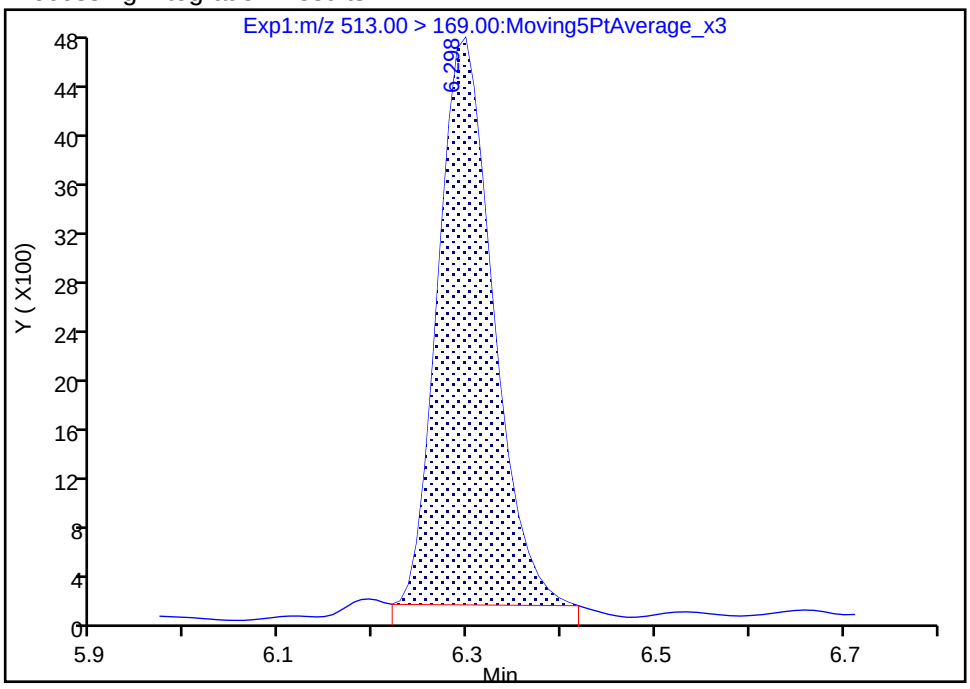
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

53 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

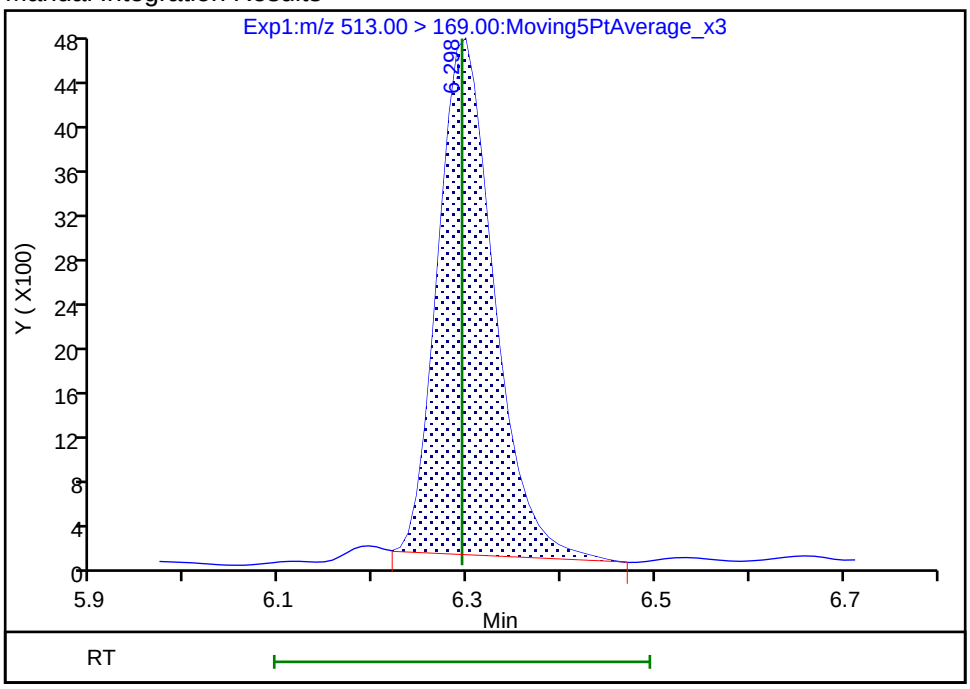
Processing Integration Results

RT: 6.30
Area: 18751
Amount: 0.234663
Amount Units: ng/ml



Manual Integration Results

RT: 6.30
Area: 19278
Amount: 0.221981
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:34:45
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

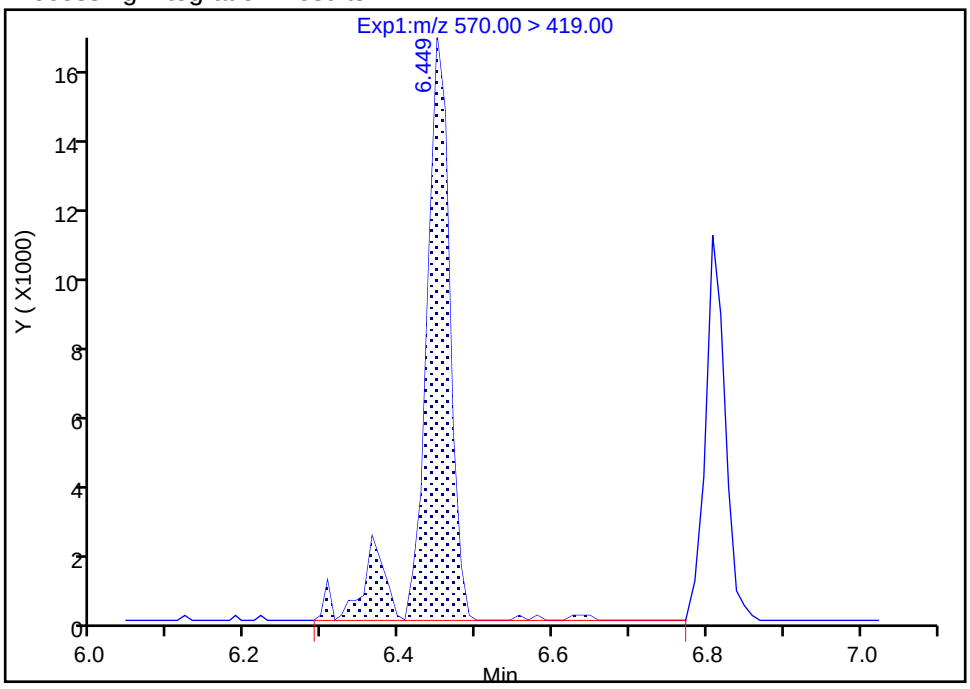
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

60 NMeFOSAA, CAS: 2355-31-9

Signal: 1

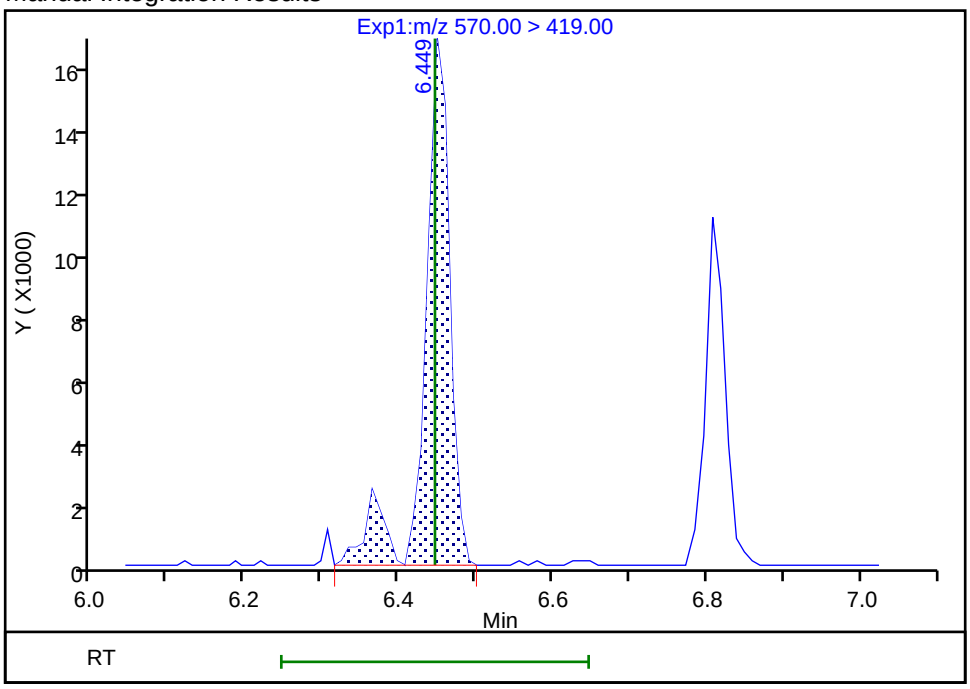
Processing Integration Results

RT: 6.45
Area: 39666
Amount: 0.240290
Amount Units: ng/ml



Manual Integration Results

RT: 6.45
Area: 38472
Amount: 0.233377
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:35:07
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

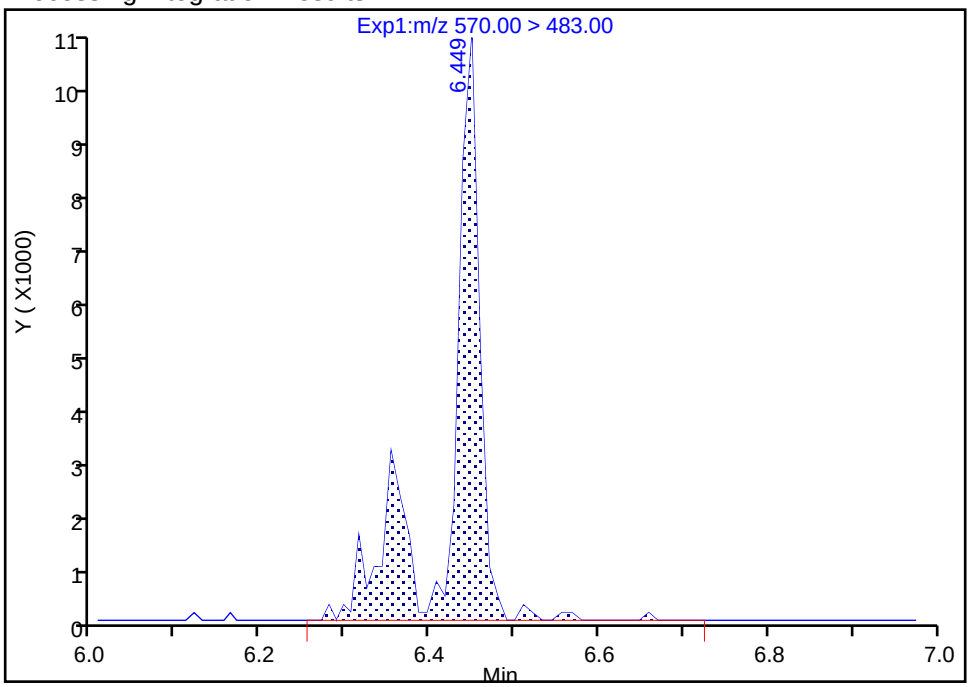
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

60 NMeFOSAA, CAS: 2355-31-9

Signal: 2

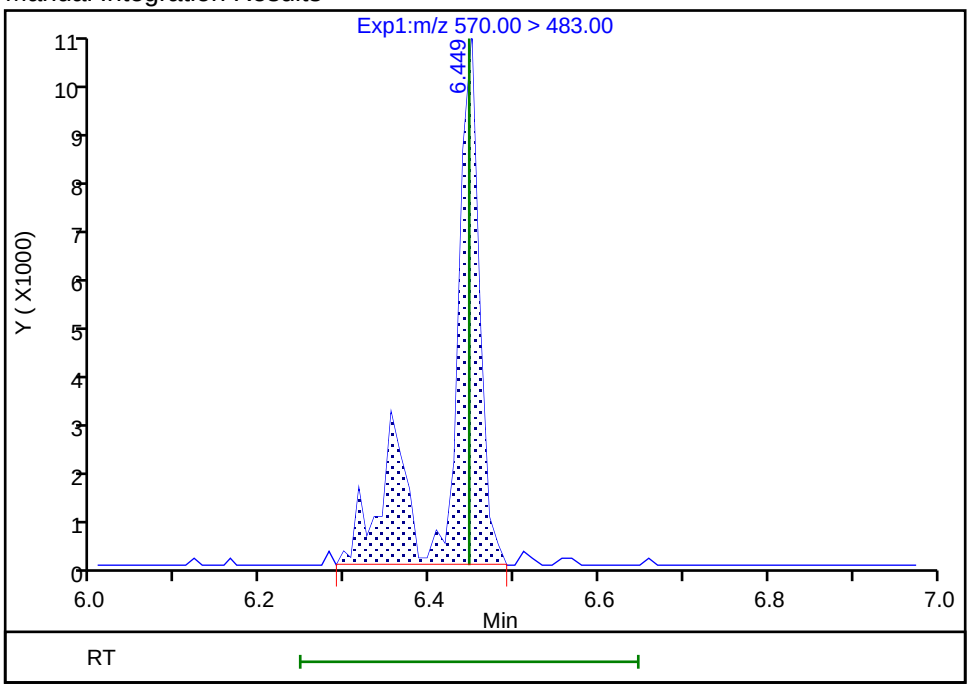
Processing Integration Results

RT: 6.45
Area: 25906
Amount: 0.240290
Amount Units: ng/ml



Manual Integration Results

RT: 6.45
Area: 24966
Amount: 0.233377
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:35:13

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

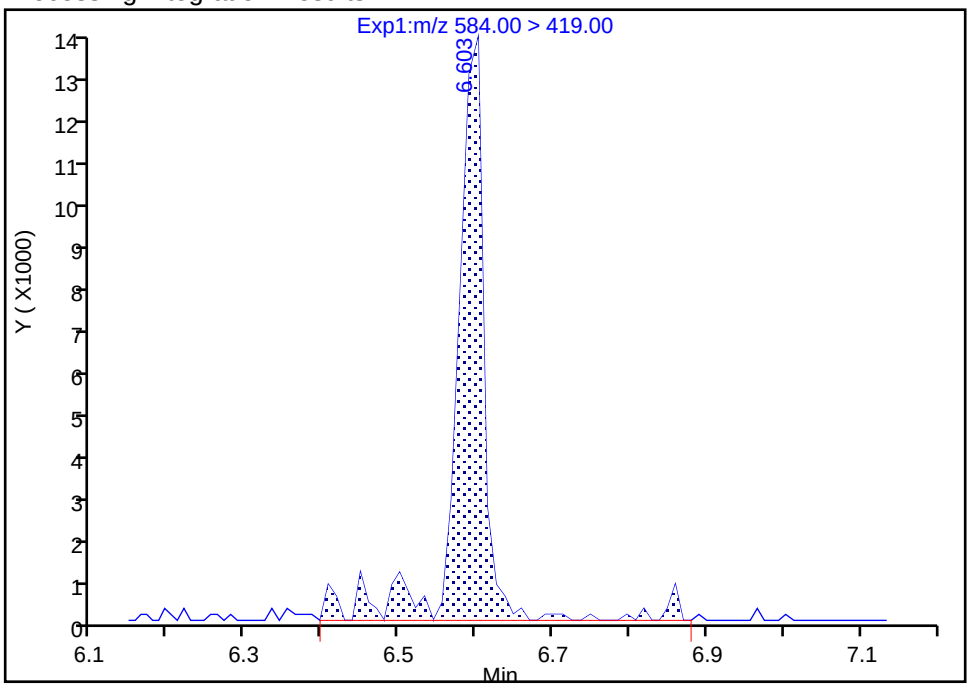
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

67 NEtFOSAA, CAS: 2991-50-6

Signal: 1

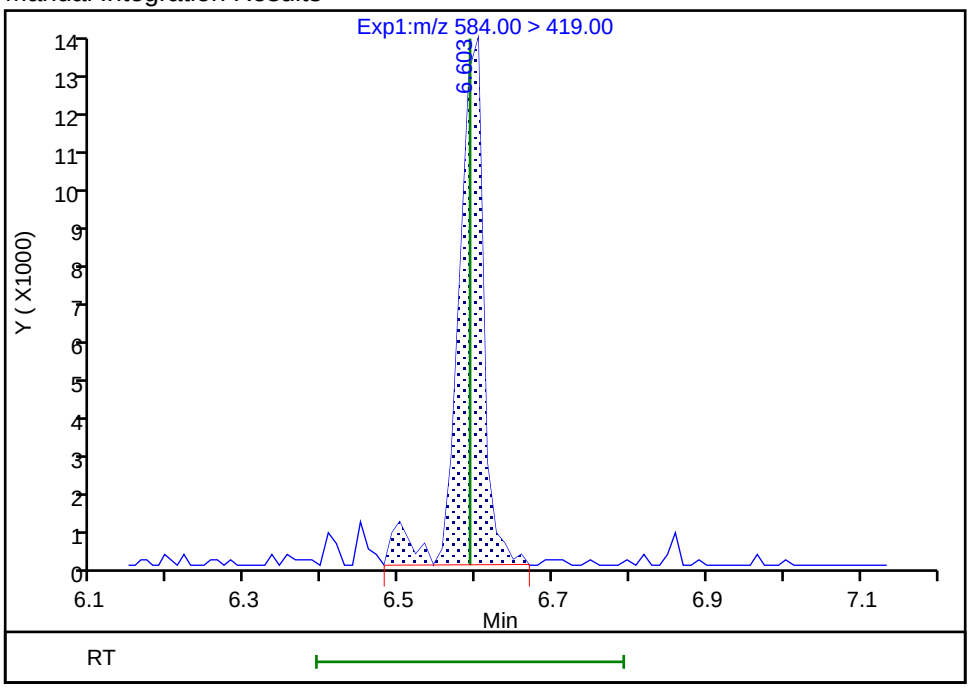
Processing Integration Results

RT: 6.60
Area: 33494
Amount: 0.239202
Amount Units: ng/ml



Manual Integration Results

RT: 6.60
Area: 30140
Amount: 0.208988
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:35:29

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

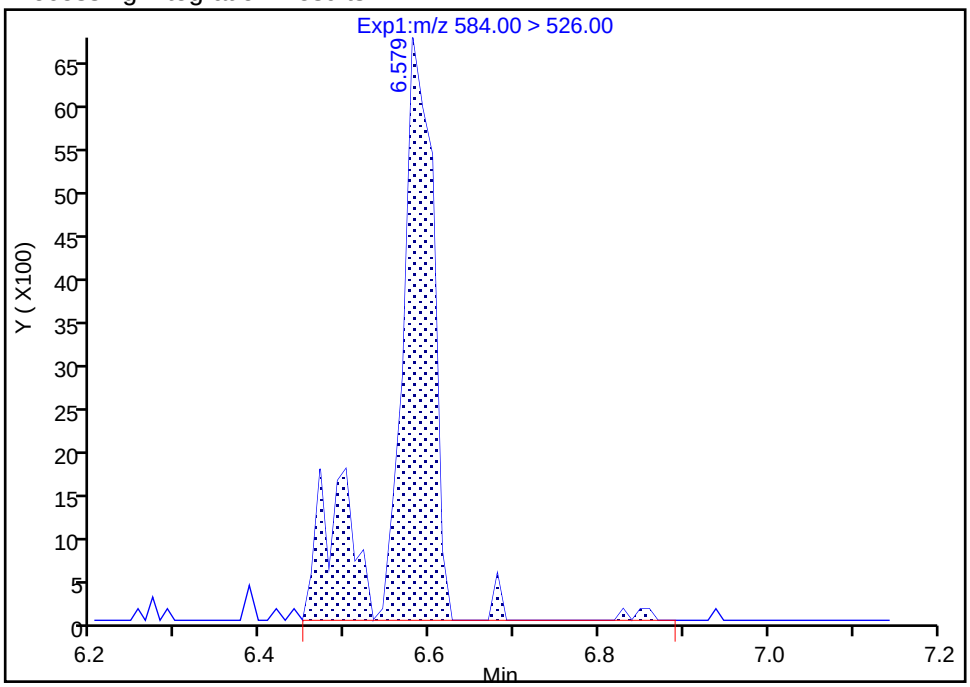
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

67 NEtFOSAA, CAS: 2991-50-6

Signal: 2

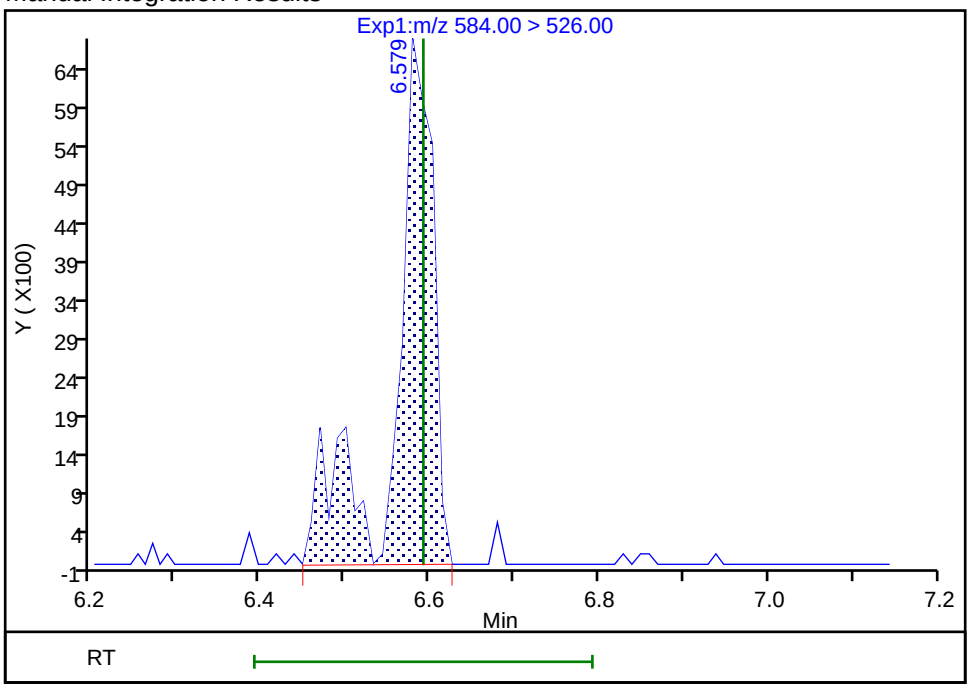
Processing Integration Results

RT: 6.58
Area: 21600
Amount: 0.239202
Amount Units: ng/ml



Manual Integration Results

RT: 6.58
Area: 21065
Amount: 0.208988
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:35:45

Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC

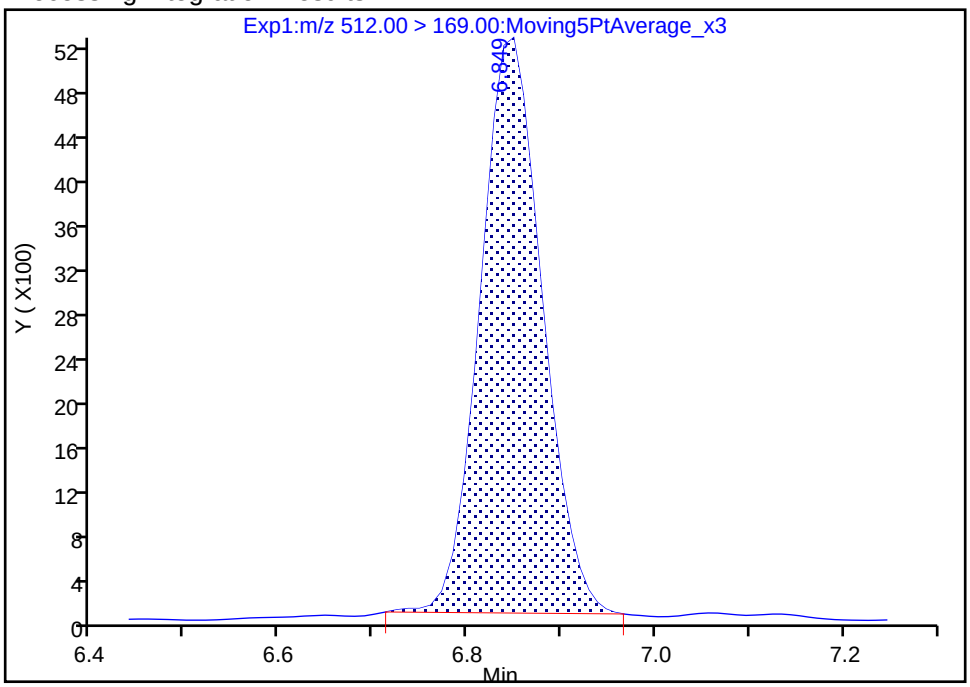
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-17.d				
Injection Date:	21-Jul-2021 22:47:50	Instrument ID:	30733		
Lims ID:	IC CAL1				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20002	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

78 NMeFOSA, CAS: 31506-32-8

Signal: 1

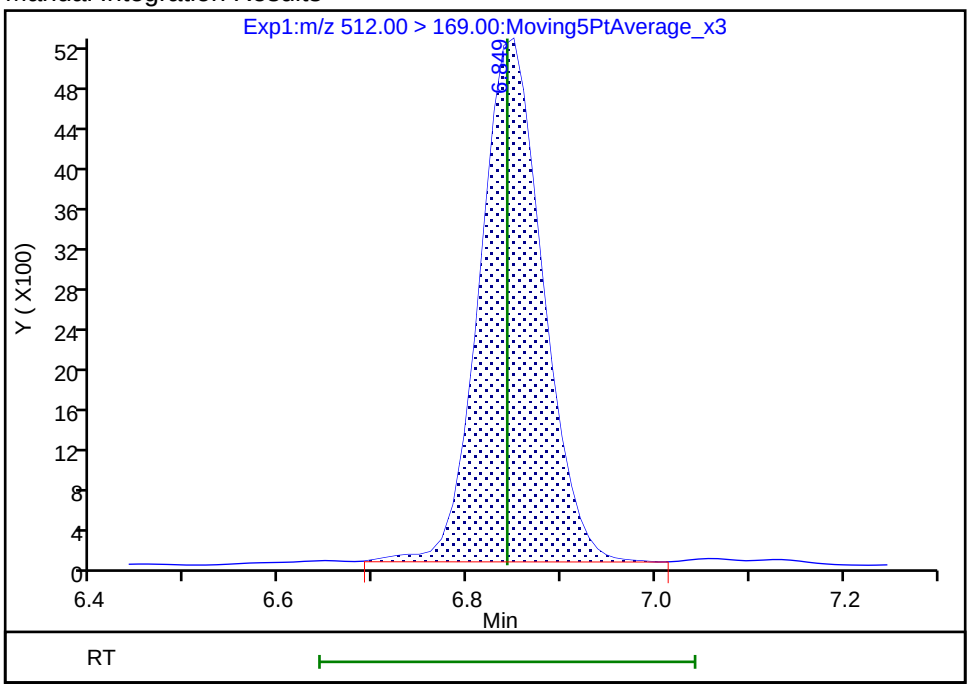
Processing Integration Results

RT: 6.85
Area: 23894
Amount: 0.190858
Amount Units: ng/ml



Manual Integration Results

RT: 6.85
Area: 24459
Amount: 0.195366
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:36:09
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d
Lims ID: IC CAL2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jul-2021 22:58:52 ALS Bottle#: 20003 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL2
Misc. Info.: Plate: 1 Rack: 1 410-0034894-002
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:24:40 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: chensh Date: 22-Jul-2021 07:44:33
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.948	3.938	0.010	1.000	8501362	10.1		101	238289	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.948	3.938	0.010	1.000	387348	0.5284		106	1342	
* 4 13C3-PFBA										
216.00 > 172.00	3.948	3.940	0.008		3732031	5.00			26740	
D 8 13C5 PFPeA										
268.00 > 223.00	4.488	4.475	0.013	1.137	7861577	10.1		101	269993	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.488	4.471	0.017	1.000	387934	0.5224		104	394	M
D 11 13C3 PFBS										
302.00 > 80.00	4.536	4.528	0.008	1.149	5942614	9.11		98.0	275499	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.536	4.525	0.011	1.000	307717	0.4680	Target=3.13	106	523	
299.00 > 99.00	4.536	4.525	0.011	1.000	100360		3.07(1.57-4.70)	106	453	
15 4:2 FTS										
327.00 > 307.00	4.871	4.853	0.018	1.000	73291	0.4371	Target=1.61	93.6	5495	
327.00 > 81.00	4.871	4.853	0.018	1.000	50656		1.45(0.81-2.42)	93.6	2028	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.871	4.858	0.013	0.859	466786	10.1		108	21066	
D 19 13C5 PFHxA										
318.00 > 273.00	4.911	4.896	0.015	0.866	10095452	10.6		106	222603	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.900	4.891	0.009	0.998	415416	0.5452	Target=14.88	109	1404	
313.00 > 119.00	4.900	4.891	0.009	0.998	27115		15.32(7.44-22.32)	109	755	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.911	4.898	0.013	0.866	7878781	10.7		107	248992	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.921	4.911	0.010	1.085	296250	0.4854	Target=3.52	104	16461	
349.00 > 99.00	4.921	4.911	0.010	1.085	86402		3.43(1.76-5.28)	104	4833	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.036	5.027	0.009	0.888	933832	10.7		107	57055	
21 HFPO-DA										
329.00 > 285.00	5.036	5.025	0.011	1.000	146923	0.5031		101	1240	
D 25 13C3 PFHxS										
402.00 > 80.00	5.306	5.289	0.017	0.936	6412739	9.58		101	229769	
D 24 13C4 PFHpA										
367.00 > 322.00	5.306	5.292	0.014	0.936	10478933	10.8		108	250759	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.295	5.286	0.009	0.998	595463	0.5503	Target=3.85	110	3044	
363.00 > 169.00	5.295	5.286	0.009	0.998	147124		4.05(1.93-5.78)	110	3527	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.306	5.292	0.014	1.000	353762	0.5321	Target=3.51	117	77336	
399.00 > 99.00	5.295	5.292	0.003	0.998	98470		3.59(1.75-5.26)	117	43714	
27 DONA										
377.00 > 251.00	5.348	5.336	0.012	1.008	688212	0.4915		104	10551	
34 6:2 FTS										
427.00 > 407.00	5.649	5.638	0.011	1.000	65099	0.4917	Target=1.43	104	3780	
427.00 > 81.00	5.649	5.638	0.011	1.000	46787		1.39(0.72-2.15)	104	2720	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.649	5.642	0.007	1.065	300294	0.4966	Target=3.86	104	13978	
449.00 > 99.00	5.649	5.642	0.007	1.065	79023		3.80(1.93-5.79)	104	4608	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.649	5.640	0.009	0.997	267034	10.4		109	20581	
D 37 13C8 PFOA										
421.00 > 376.00	5.668	5.656	0.012	1.000	11014579	10.4		104	283011	
$ 39 13C4 PFOA										
417.00 > 372.00	5.668	5.656	0.012	1.000	10053541	10.3		103	330970	
* 38 13C2 PFOA										
415.00 > 370.00	5.668	5.656	0.012		3865266	5.00			148101	
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.668	5.659	0.009	1.000	444977	0.5406	Target=2.48	108	9498	M
413.00 > 169.00	5.668	5.659	0.009	1.000	182512		2.44(1.24-3.72)	108	8915	
D 41 13C8 PFOS										
507.00 > 80.00	5.980	5.975	0.005	0.999	6203853	9.40		98.3	71822	
43 Perfluorooctanesulfonic acid										M
499.00 > 80.00	5.989	5.977	0.012	1.001	335322	0.4728	Target=4.45	102	63074	M
499.00 > 99.00	5.980	5.977	0.003	1.000	77360		4.33(2.23-6.68)	102	19040	M
* 42 13C4 PFOS										
503.00 > 80.00	5.989	5.977	0.012		3055034	4.78			124118	
44 Perfluorononanoic acid										
463.00 > 419.00	5.997	5.990	0.007	0.998	435832	0.5467	Target=4.83	109	3452	
463.00 > 169.00	5.997	5.990	0.007	0.998	90798		4.80(2.42-7.25)	109	5581	
D 45 13C9 PFNA										
472.00 > 427.00	6.006	5.994	0.012	1.003	9258679	10.1		101	278855	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.156	6.147	0.009	1.029	649194	0.5132		110	23972	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.280	6.270	0.010	1.050	347486	0.5337	Target=4.19	111	17331	
549.00 > 99.00	6.280	6.270	0.010	1.050	79746		4.36(2.09-6.28)	111	3949	
D 54 13C6 PFDA										
519.00 > 474.00	6.306	6.298	0.008	1.000	10966803	10.1		101	371423	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.306	6.294	0.012	1.000	524840	0.5483	Target=10.20	110	4567	
513.00 > 169.00	6.306	6.294	0.012	1.000	46308		11.33(5.10-15.29)	110	2203	
56 8:2 FTS										
527.00 > 507.00	6.306	6.298	0.008	0.999	70483	0.5523	Target=1.44	115	4051	
527.00 > 81.00	6.306	6.298	0.008	0.999	46522		1.52(0.72-2.16)	115	2235	
* 55 13C2 PFDA										
515.00 > 470.00	6.306	6.298	0.008		5726408	5.00			271353	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.315	6.303	0.012	1.001	174003	9.35		97.6	13491	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.397	6.386	0.011	0.998	542282	0.5136		103	28897	
D 59 13C8 FOSA										
506.00 > 78.00	6.407	6.392	0.015	1.016	10665838	9.91		99.1	150121	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.449	6.443	0.006	1.023	1890006	9.56		95.6	81181	
60 NMeFOSAA										M
570.00 > 419.00	6.459	6.446	0.013	1.002	86968	0.5152	Target=1.62	103	8177	M
570.00 > 483.00	6.449	6.446	0.003	1.000	55629		1.56(0.81-2.44)	103	108	M
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.542	6.532	0.010	1.094	347300	0.4750	Target=4.24	98.6	14249	
599.00 > 99.00	6.542	6.532	0.010	1.094	81604		4.26(2.12-6.36)	98.6	3386	
63 Perfluoroundecanoic acid										M
563.00 > 519.00	6.577	6.564	0.013	1.000	472161	0.5753	Target=8.77	115	2500	M
563.00 > 169.00	6.565	6.564	0.001	0.998	54993		8.59(4.39-13.16)	115	2706	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.577	6.567	0.010	1.160	9204965	10.3		103	308000	
D 65 13C7 PFUnA										
570.00 > 525.00	6.577	6.567	0.010	1.043	9936595	9.58		95.8	397486	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.589	6.579	0.010	1.045	1444311	9.47		94.7	22091	
67 NEtFOSAA										M
584.00 > 419.00	6.600	6.592	0.008	1.002	70527	0.5108	Target=1.47	102	28559	M
584.00 > 526.00	6.589	6.592	-0.003	1.000	46452		1.52(0.74-2.21)	102	19888	
69 11ClFOS										
631.00 > 451.00	6.688	6.673	0.015	1.118	527574	0.5188		112	21945	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.814	6.805	0.009	1.081	8051003	10.1		101	285176	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
73 Perfluorododecanoic acid										
613.00 > 569.00	6.814	6.802	0.012	1.000	445354	0.5518	Target=5.09	110	6593	
613.00 > 169.00	6.804	6.802	0.002	0.998	81404		5.47(2.54-7.63)	110	1674	
75 10:2 FTS										
627.00 > 607.00	6.835	6.820	0.015	1.082	45205	0.4939	Target=0.84	102	3234	
627.00 > 81.00	6.825	6.820	0.005	1.081	51817		0.87(0.42-1.26)	102	3752	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.835	6.822	0.013	1.084	1995391	9.54		95.4	7813	
77 N-MeFOSE-M										
616.00 > 59.00	6.835	6.828	0.007	1.000	104040	0.4960		99.2	1234	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.855	6.842	0.013	1.087	1262792	9.44		94.4	30643	
78 NMeFOSA										
512.00 > 169.00	6.855	6.842	0.013	1.000	64914	0.5144		103	3532	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.990	6.982	0.008	1.108	2171737	9.55		95.5	12360	
80 PFDoS										
699.00 > 80.00	6.990	6.978	0.012	1.169	374351	0.5399		112	10921	
82 N-EtFOSE-M										
630.00 > 59.00	6.999	6.991	0.008	1.001	121281	0.5122		102	2306	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.019	7.004	0.015	1.113	1260645	9.82		98.2	31128	
84 N-EtFOSA-M										
526.00 > 169.00	7.019	7.008	0.011	1.000	67741	0.5024		100	3829	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.019	7.008	0.011	1.030	342878	0.5385	Target=4.59	108	1402	
663.00 > 169.00	7.019	7.008	0.011	1.030	74930		4.58(2.29-6.88)	108	2801	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.204	7.189	0.015	1.000	397791	0.5515	Target=5.25	110	1074	
713.00 > 169.00	7.195	7.189	0.006	0.999	74898		5.31(2.62-7.87)	110	2890	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.204	7.193	0.011	1.142	8556900	10.2		102	248200	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.503	7.487	0.016	1.041	497749	0.5408	Target=8.75	108	1754	
813.00 > 169.00	7.493	7.487	0.006	1.040	54808		9.08(4.38-13.13)	108	3287	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.725	7.719	0.006	1.072	265926	0.4821	Target=8.07	96.4	6375	
913.00 > 169.00	7.725	7.719	0.006	1.072	32496		8.18(4.04-12.11)	96.4	3611	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFC_STD_MOD2_00027 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:24:42 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d

Injection Date: 21-Jul-2021 22:58:52 Instrument ID: 30733

Lims ID: IC CAL2

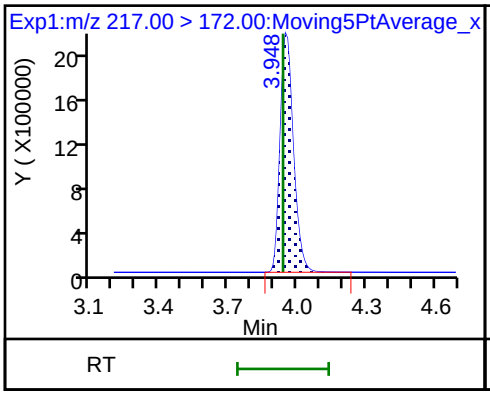
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20003 Worklist Smp#: 2

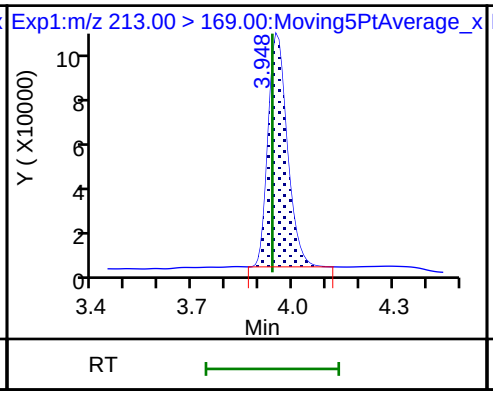
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

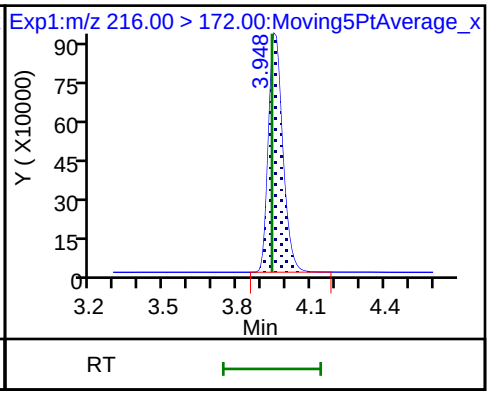
D 3 13C4 PFBA



2 Perfluorobutanoic acid



* 4 13C3-PFBA



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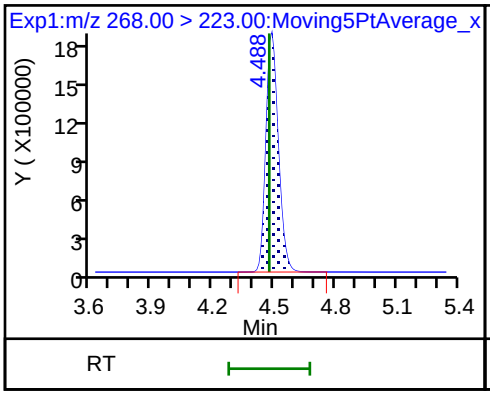
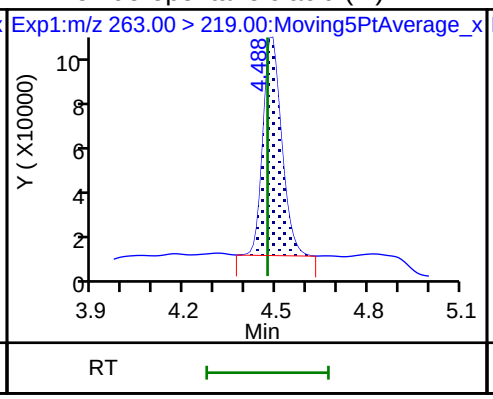
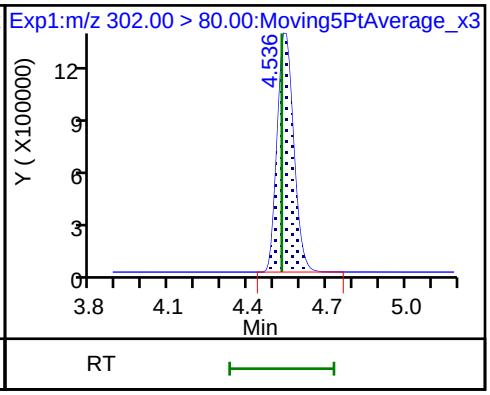


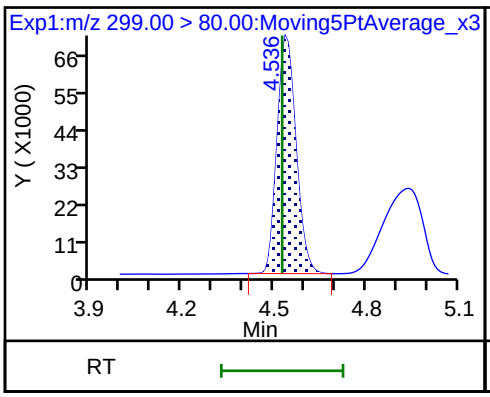
7 Perfluoropentanoic acid (M)



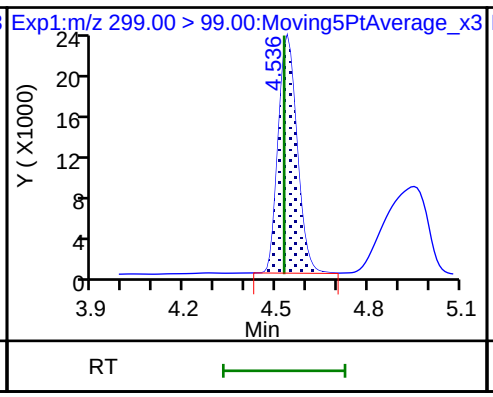
D 11 13C3 PFBS



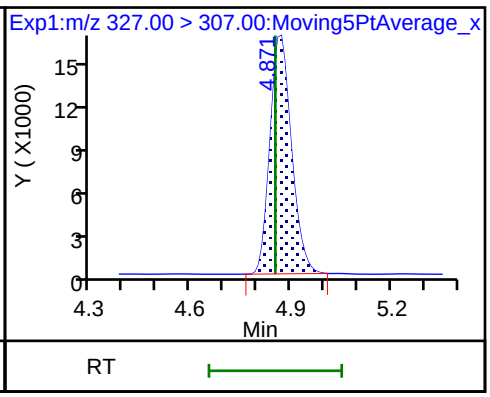
10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



15 4:2 FTS



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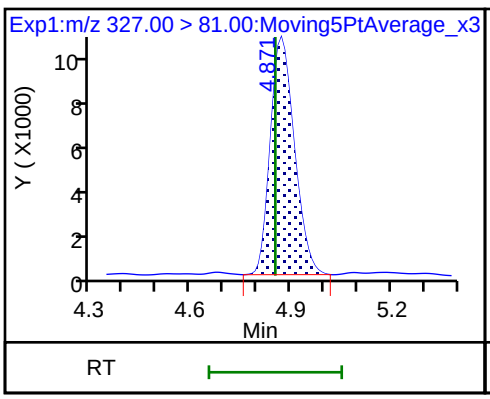
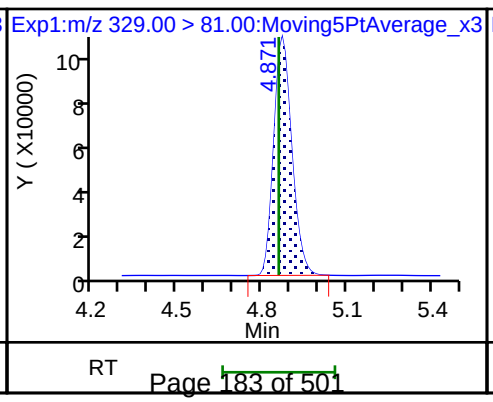
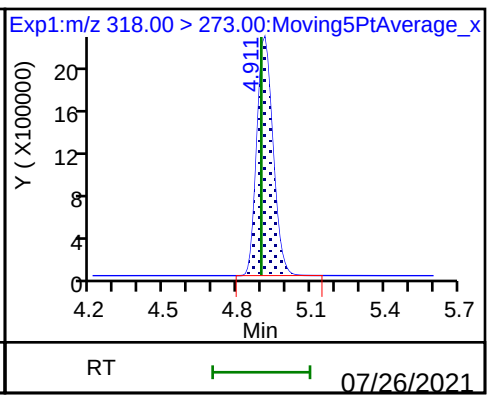


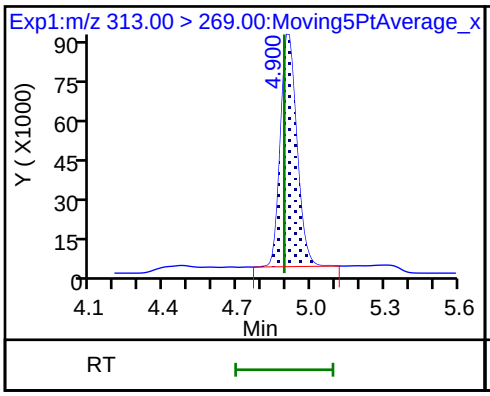
D 16 M2-4:2 FTS



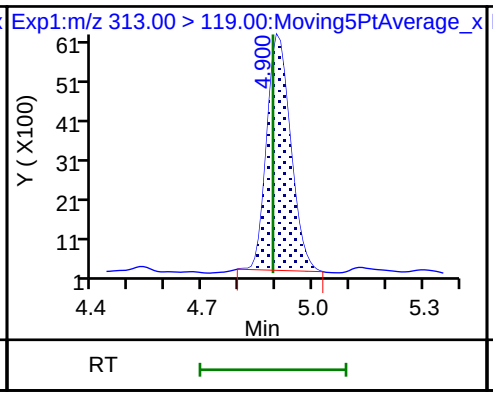
D 19 13C5 PFHxA



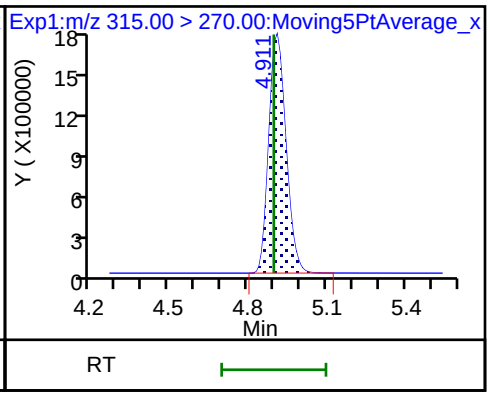
17 Perfluorohexanoic acid



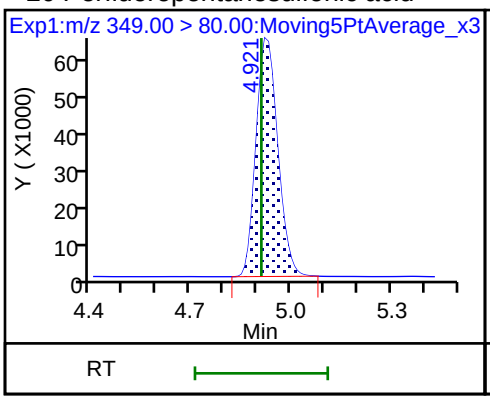
17 Perfluorohexanoic acid



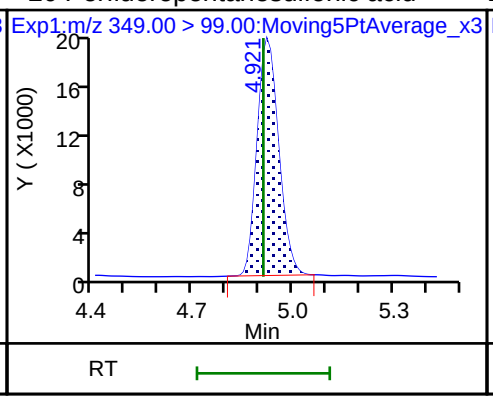
$ 18 13C2 PFHxA



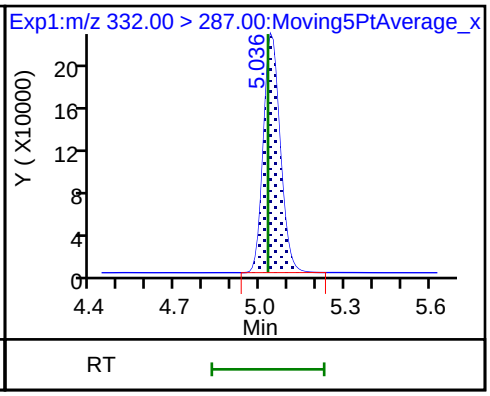
20 Perfluoropentanesulfonic acid



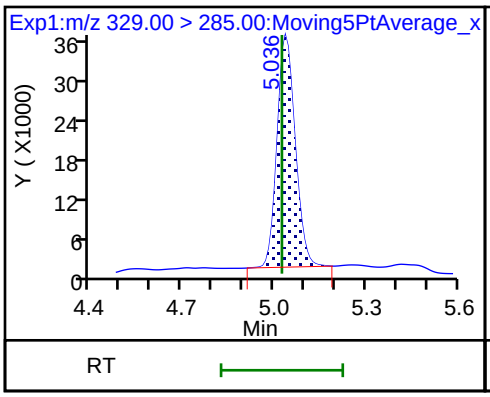
20 Perfluoropentanesulfonic acid



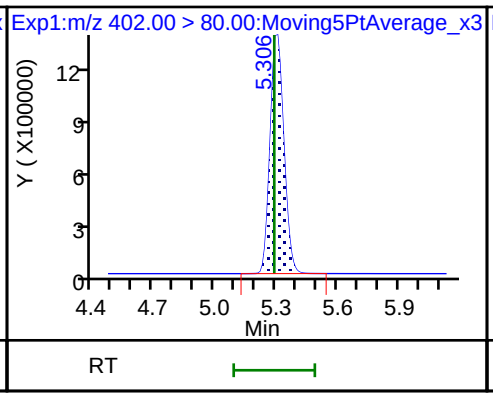
D 22 13C3 HFPO-DA



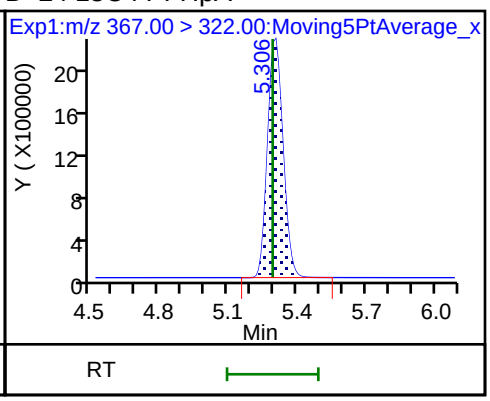
21 HFPO-DA



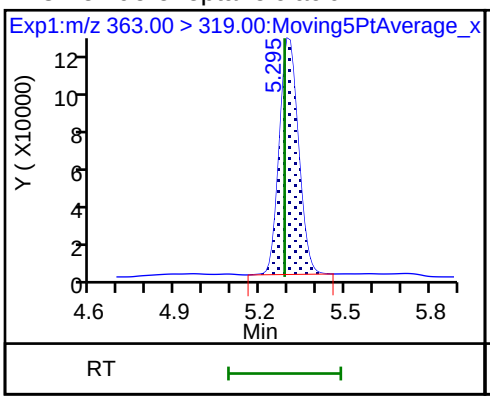
D 25 13C3 PFHxS



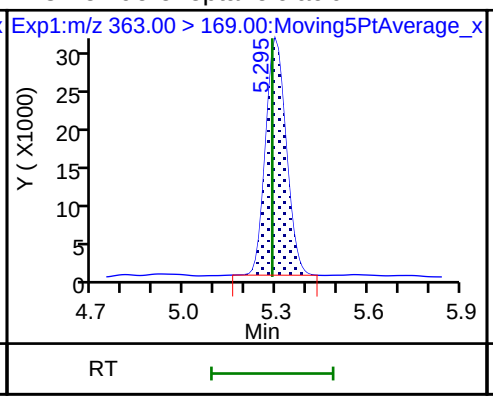
D 24 13C4 PFHpA



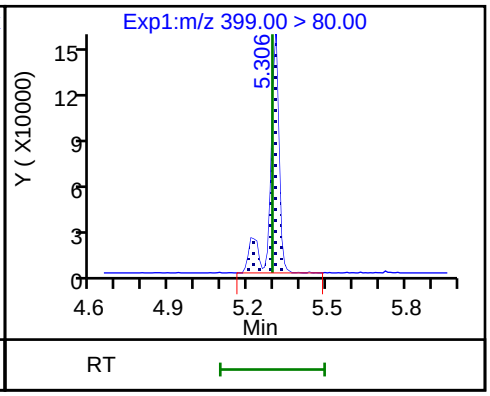
23 Perfluoroheptanoic acid



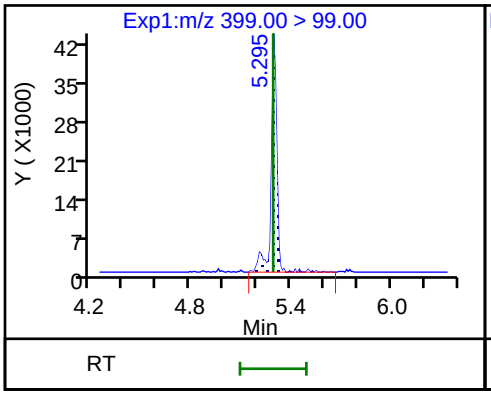
23 Perfluoroheptanoic acid



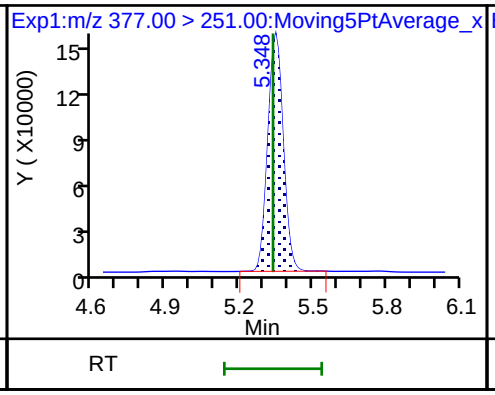
26 Perfluorohexanesulfonic acid



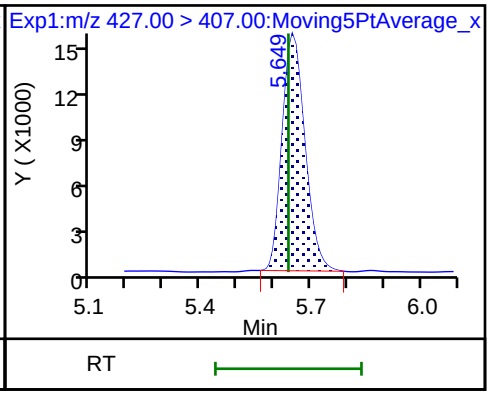
26 Perfluorohexanesulfonic acid



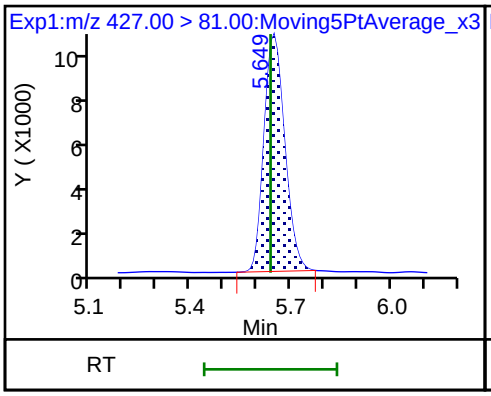
27 DONA



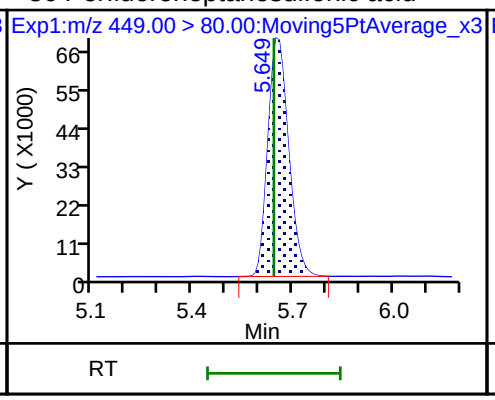
34 6:2 FTS



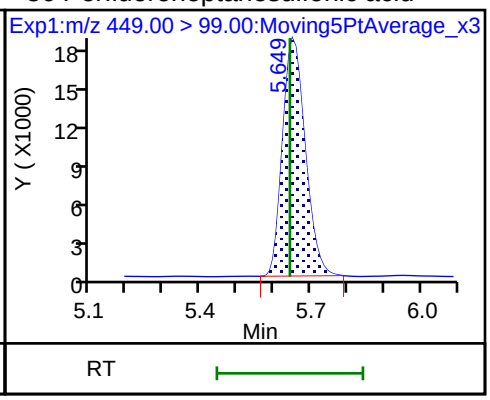
34 6:2 FTS



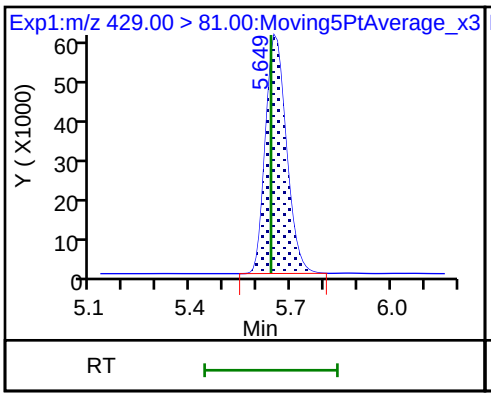
36 Perfluoroheptanesulfonic acid



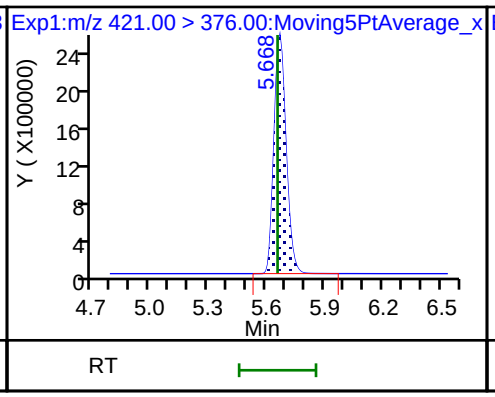
36 Perfluoroheptanesulfonic acid



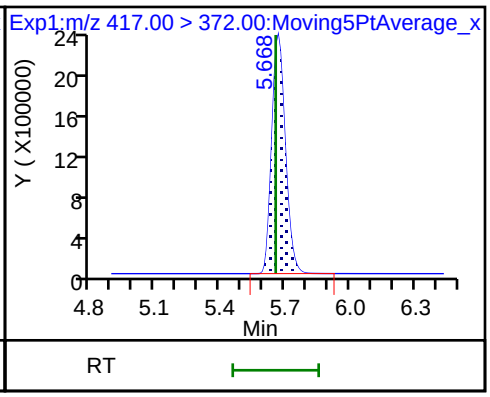
D 35 M2-6:2 FTS



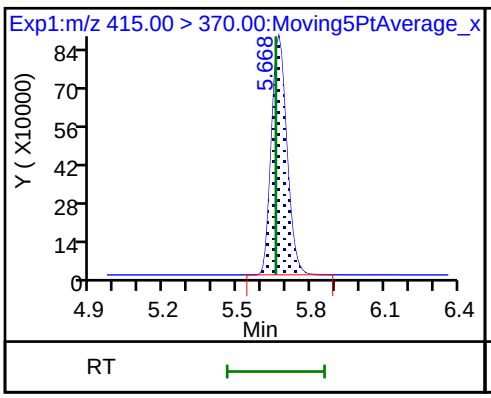
D 37 13C8 PFOA



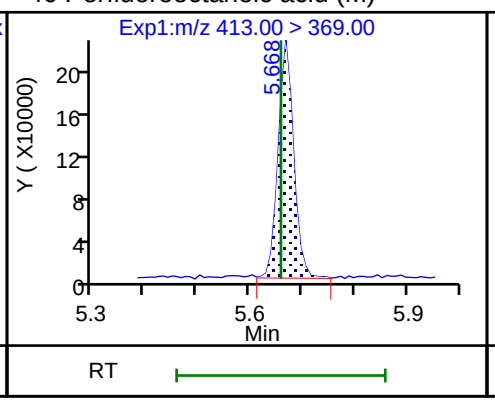
$ 39 13C4 PFOA



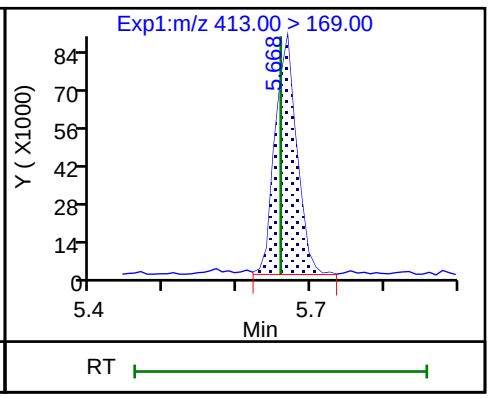
* 38 13C2 PFOA



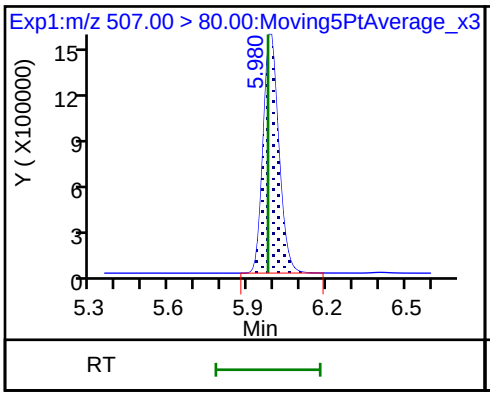
40 Perfluorooctanoic acid (M)



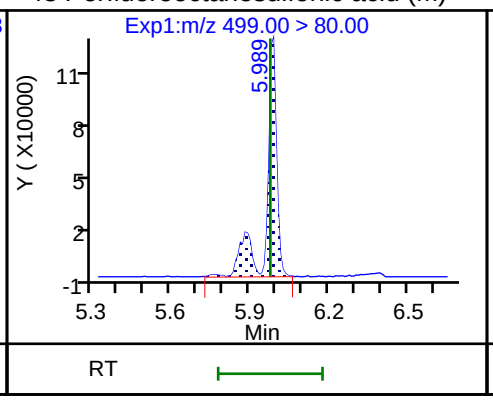
40 Perfluorooctanoic acid



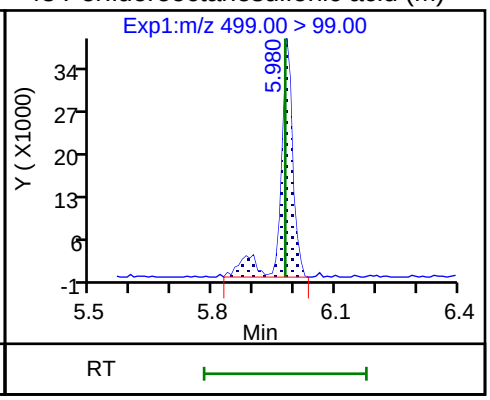
D 41 13C8 PFOS



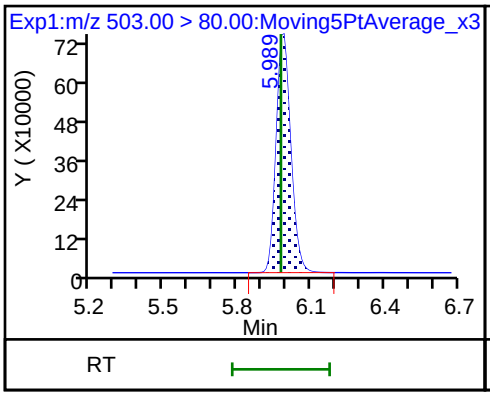
43 Perfluorooctanesulfonic acid (M)



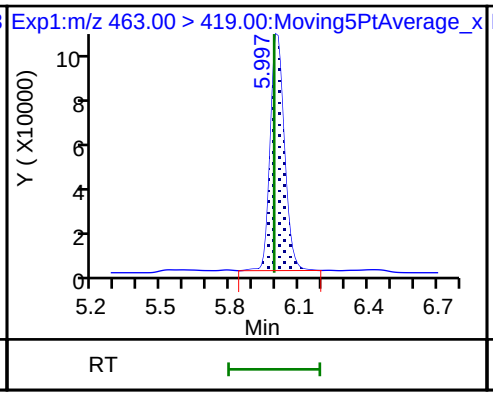
43 Perfluorooctanesulfonic acid (M)



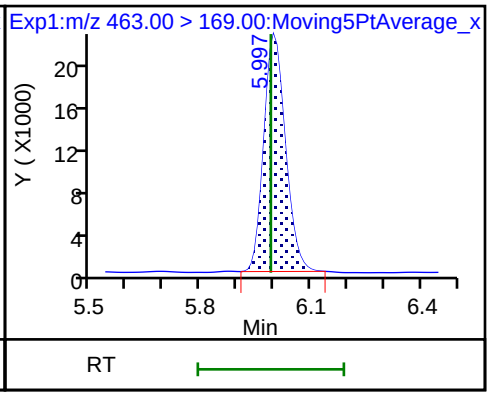
* 42 13C4 PFOS



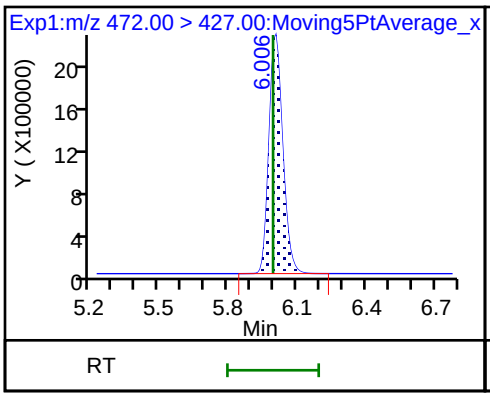
44 Perfluorononanoic acid



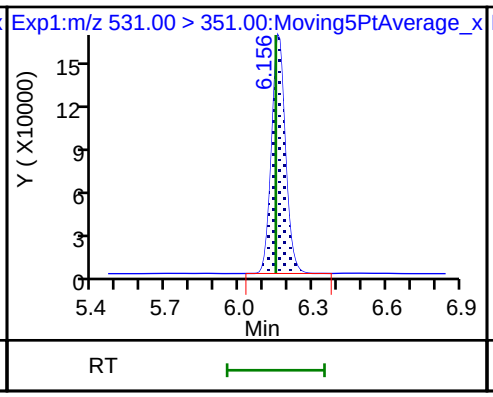
44 Perfluorononanoic acid



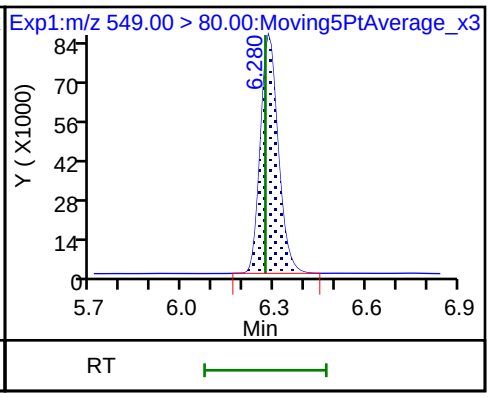
D 45 13C9 PFNA



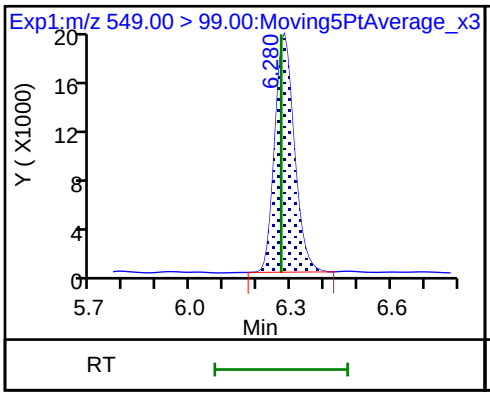
51 9ClFOS



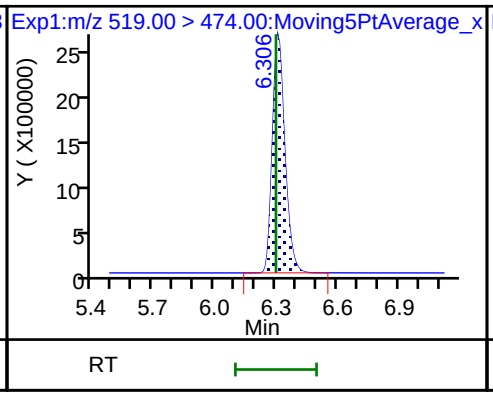
52 Perfluorononanesulfonic acid



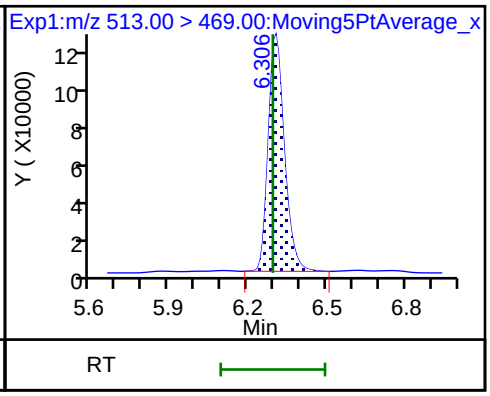
52 Perfluorononanesulfonic acid



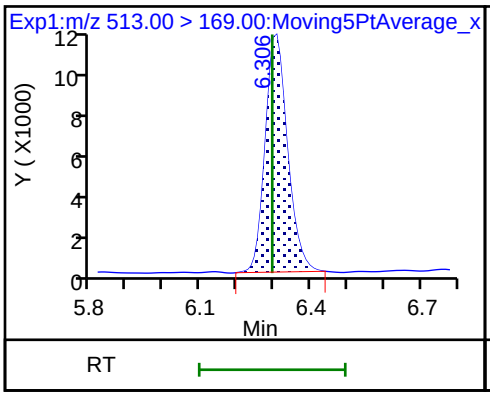
D 54 13C6 PFDA



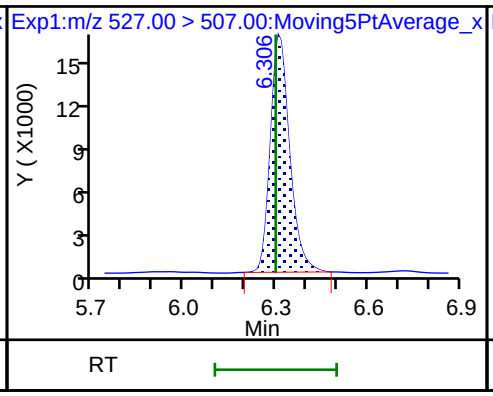
53 Perfluorodecanoic acid



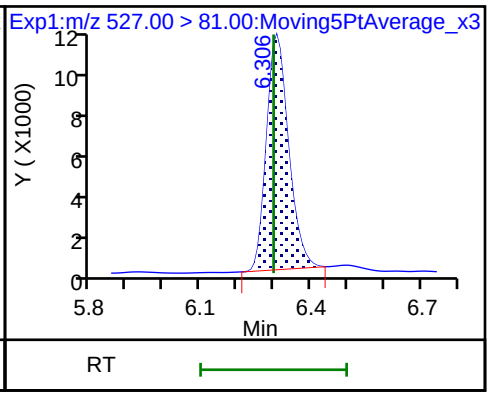
53 Perfluorodecanoic acid



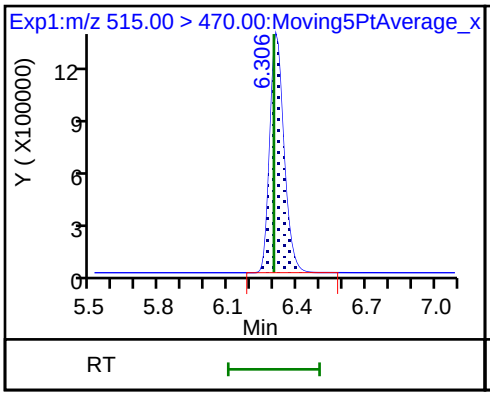
56 8:2 FTS



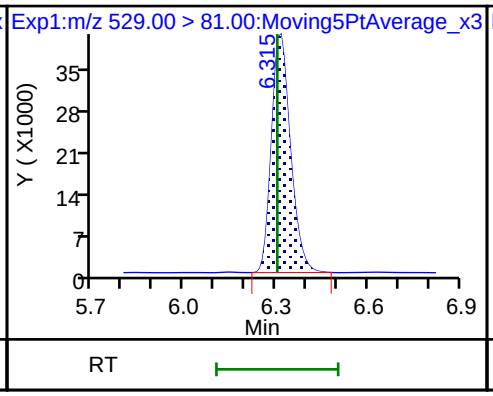
56 8:2 FTS



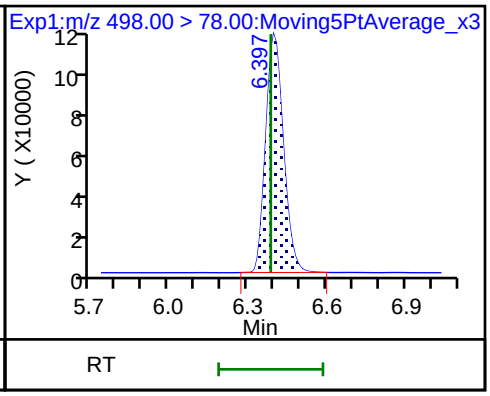
* 55 13C2 PFDA



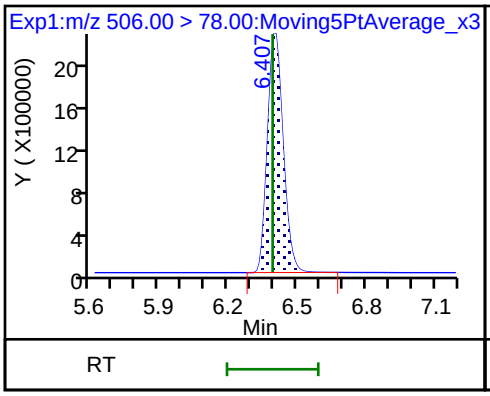
D 57 M2-8:2 FTS



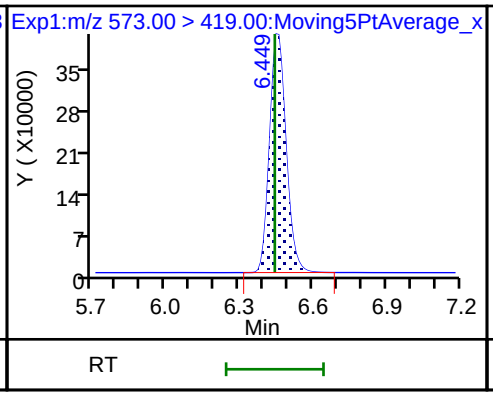
58 Perfluorooctanesulfonamide



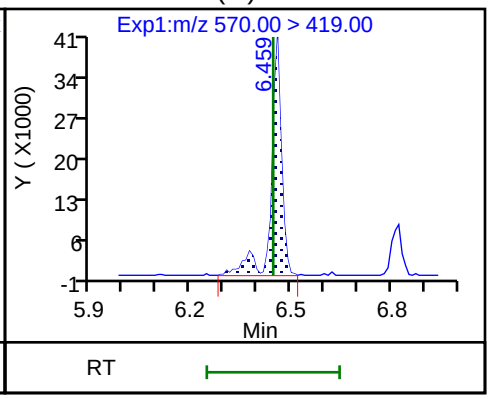
D 59 13C8 FOSA



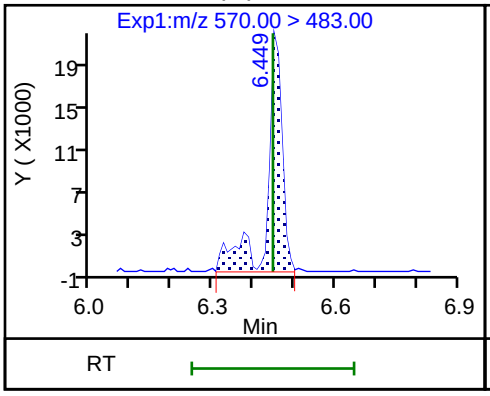
D 61 d3-NMeFOSAA



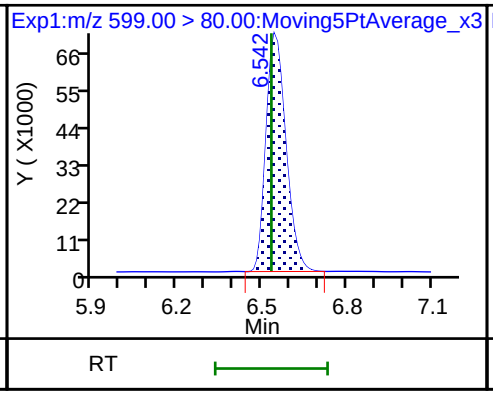
60 NMeFOSAA (M)



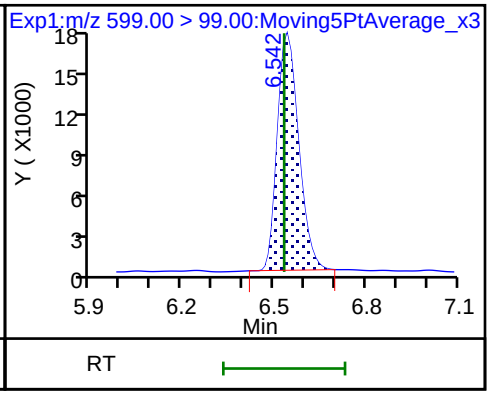
60 NMeFOSAA (M)



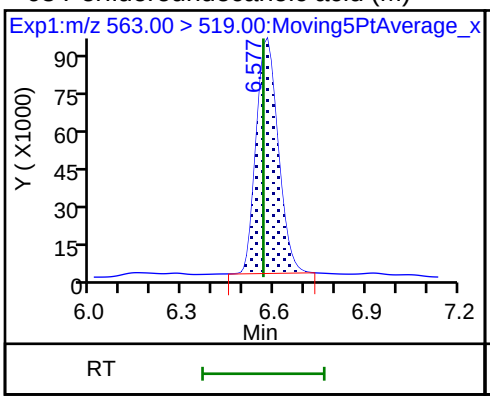
62 Perfluorodecanesulfonic acid



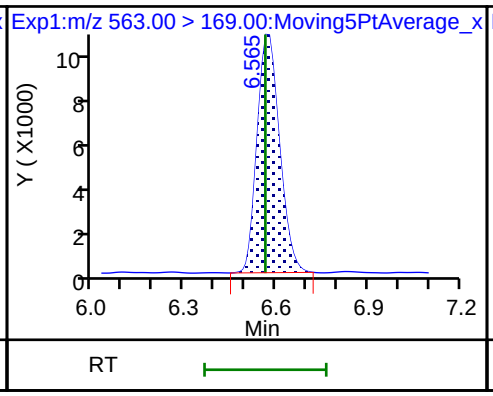
62 Perfluorodecanesulfonic acid



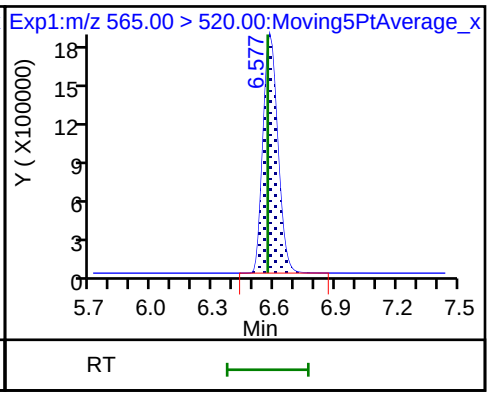
63 Perfluoroundecanoic acid (M)



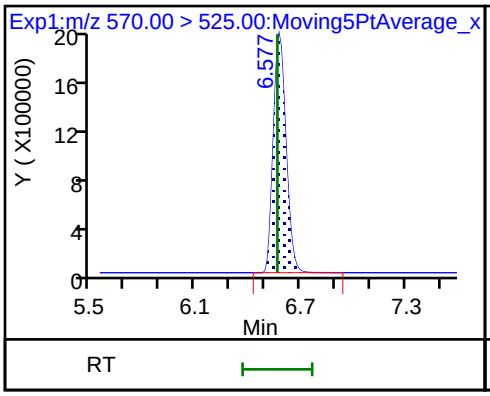
63 Perfluoroundecanoic acid



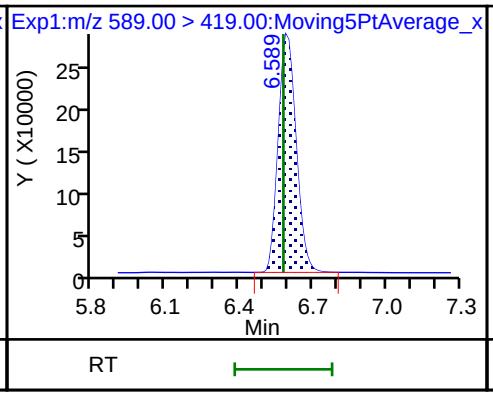
$ 64 13C2 PFUnA



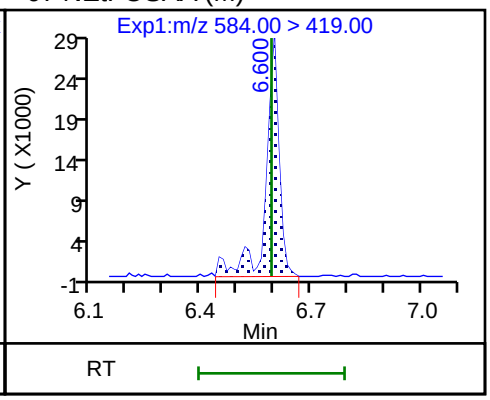
D 65 13C7 PFUnA



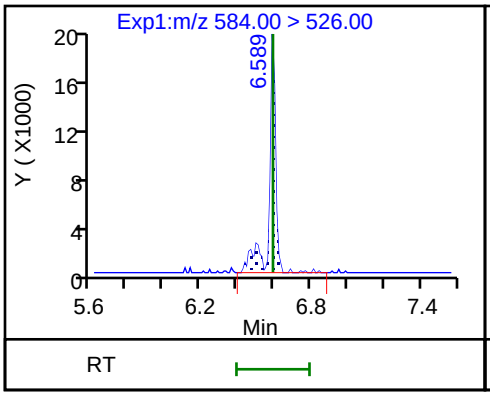
D 66 d5-NEtFOSAA



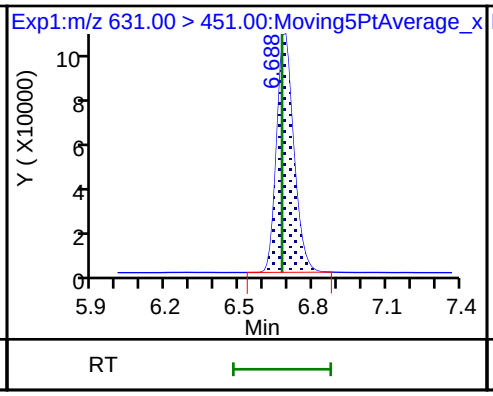
67 NEtFOSAA (M)



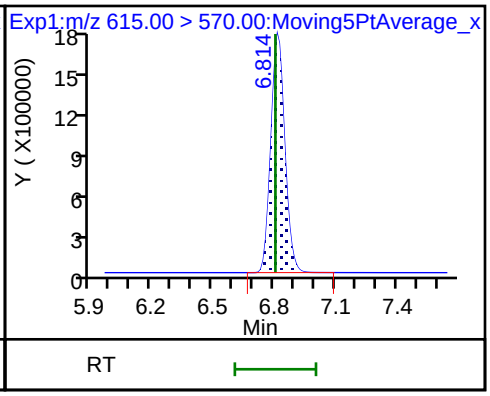
67 NEtFOSAA



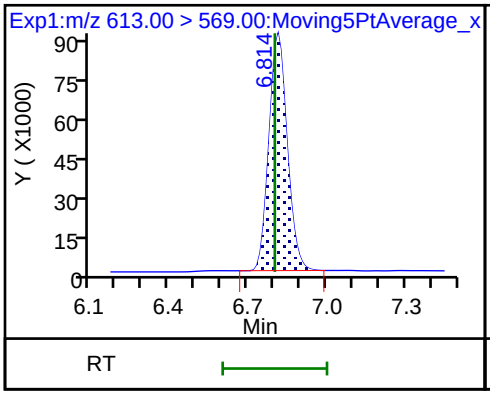
69 11ClFOS



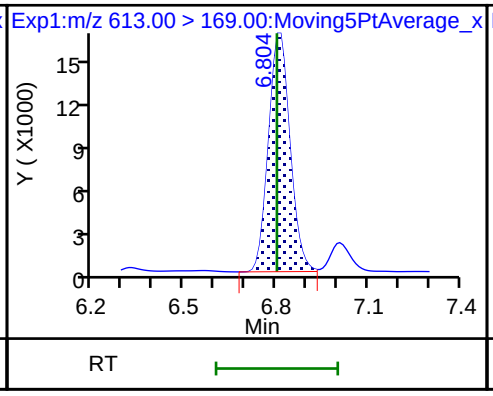
D 74 13C2-PFDoDA



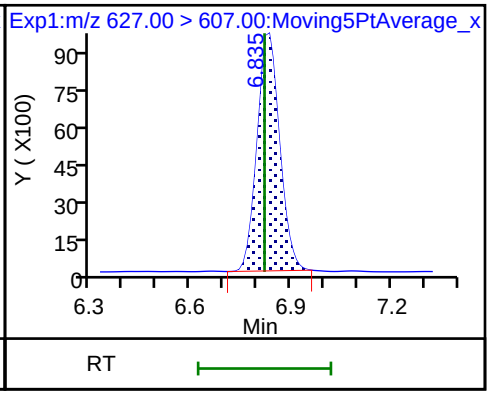
73 Perfluorododecanoic acid



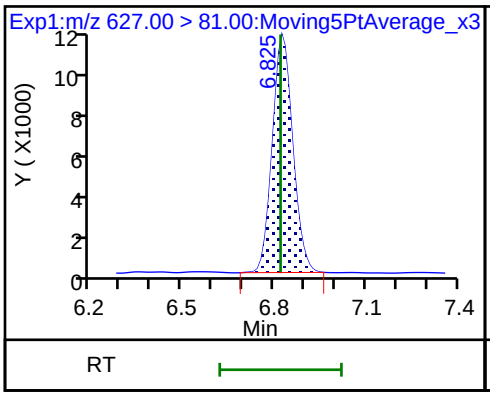
73 Perfluorododecanoic acid



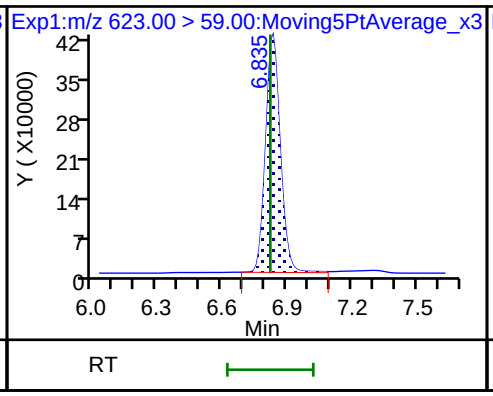
75 10:2 FTS



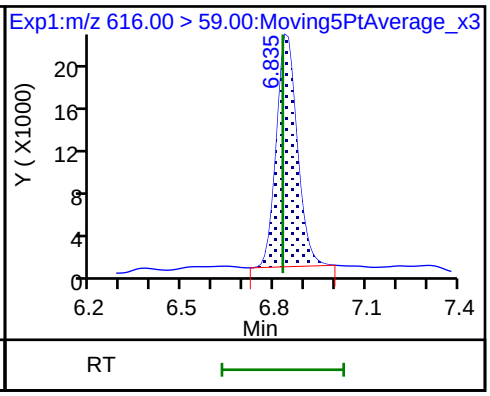
75 10:2 FTS



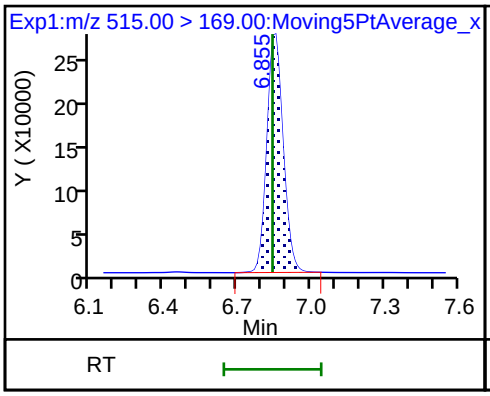
D 76 d7-N-MeFOSE-M



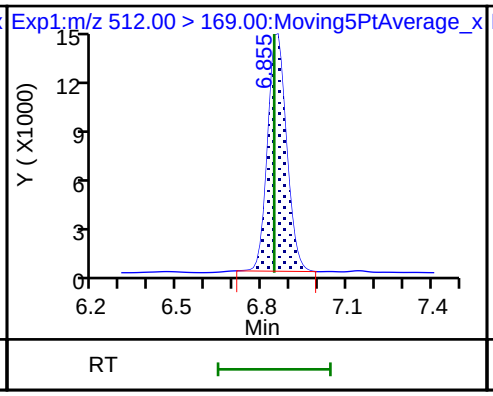
77 N-MeFOSE-M



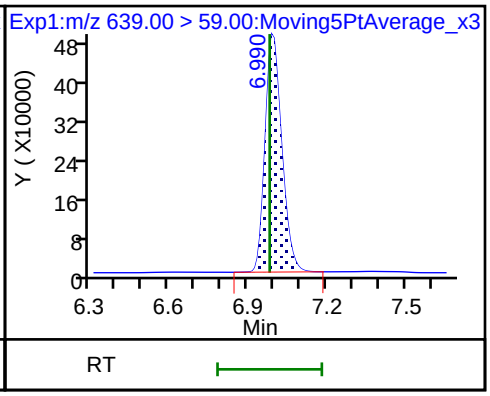
D 79 d3-NMePFOSA



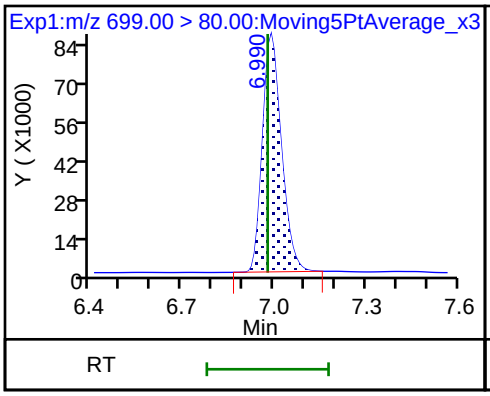
78 NMeFOSA



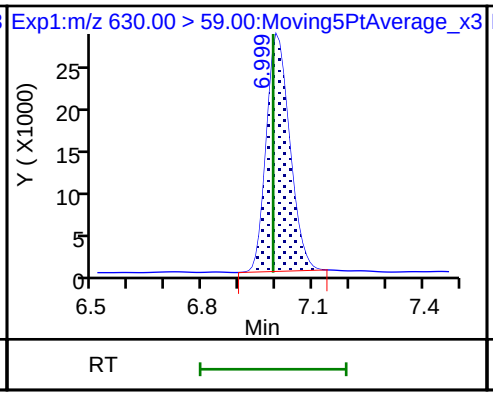
D 81 d9-N-EtFOSE-M



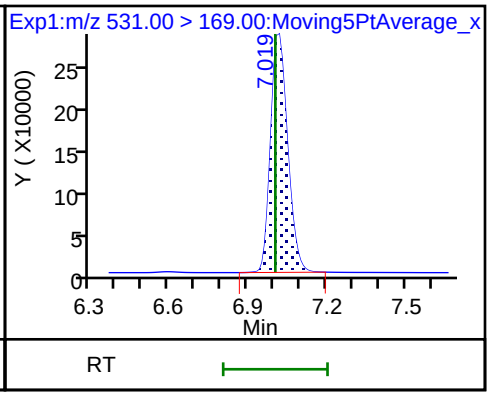
80 PFDoS



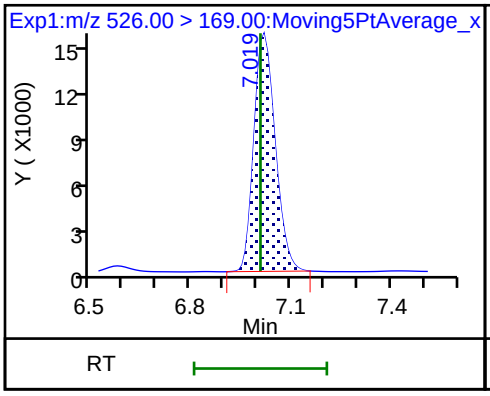
82 N-EtFOSE-M



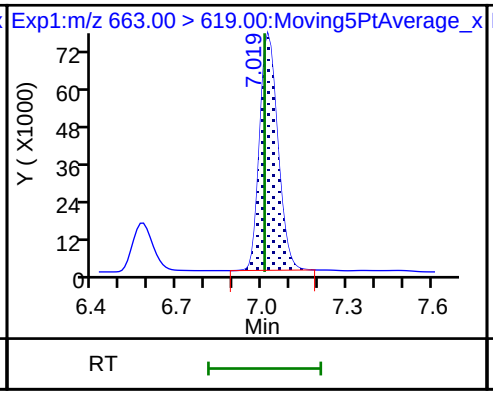
D 83 d5-NEtPFOSA



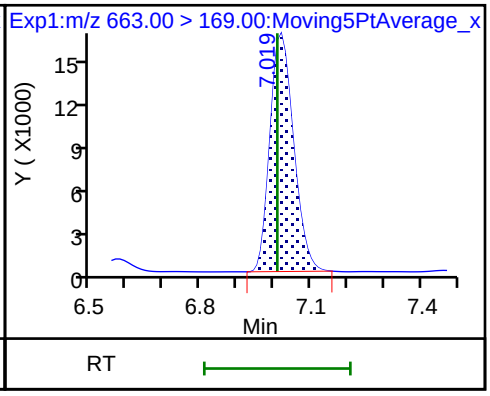
84 N-EtFOSA-M



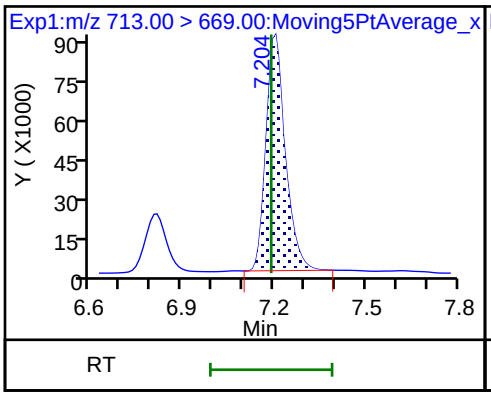
85 Perfluorotridecanoic acid



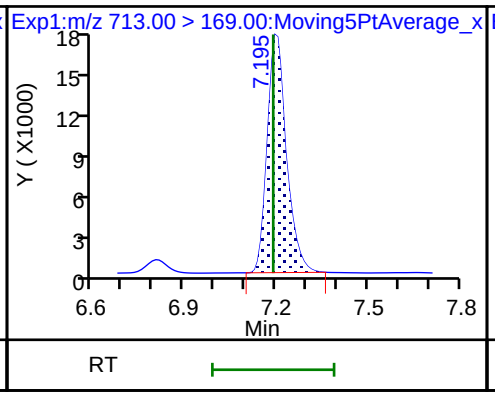
85 Perfluorotridecanoic acid



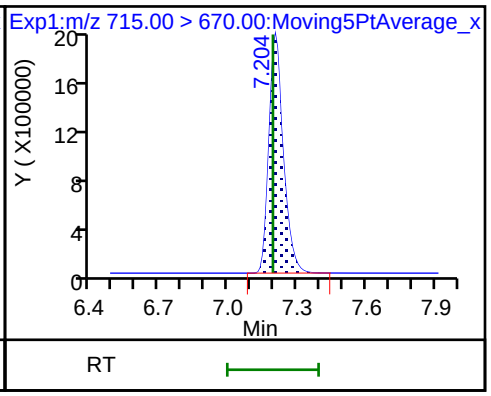
86 Perfluorotetradecanoic acid



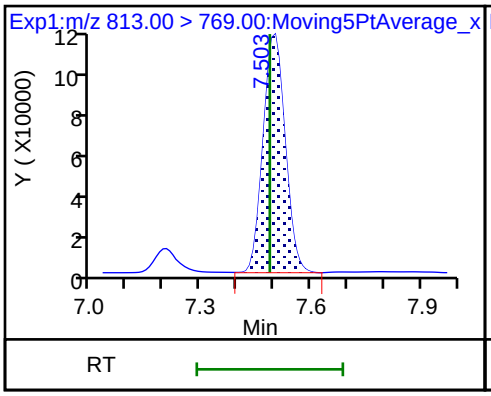
86 Perfluorotetradecanoic acid



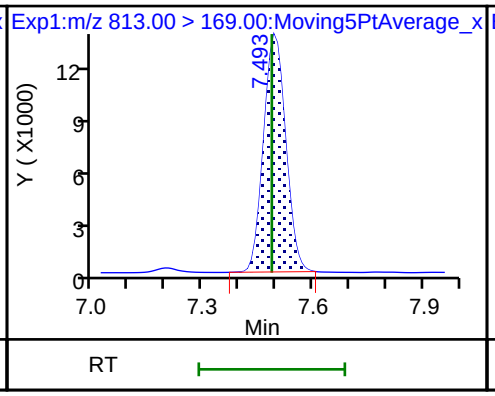
D 87 13C2 PFTeDA



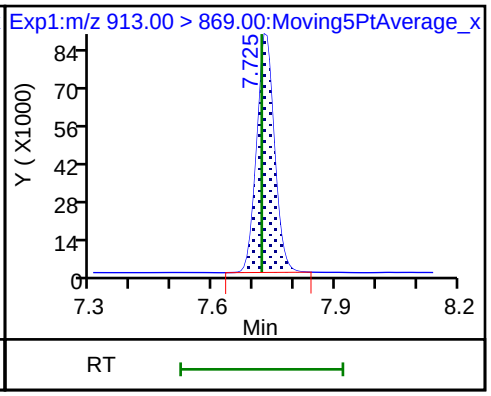
88 Perfluorohexadecanoic acid



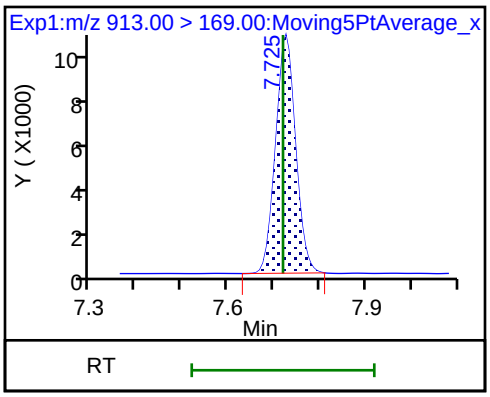
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

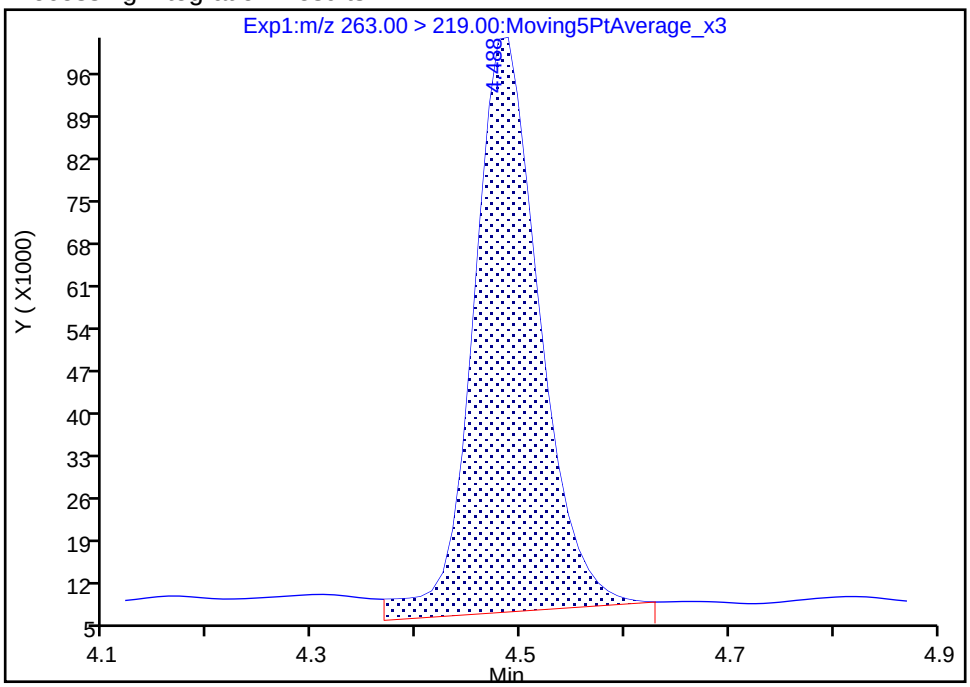
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d				
Injection Date:	21-Jul-2021 22:58:52	Instrument ID:	30733		
Lims ID:	IC CAL2				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20003	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

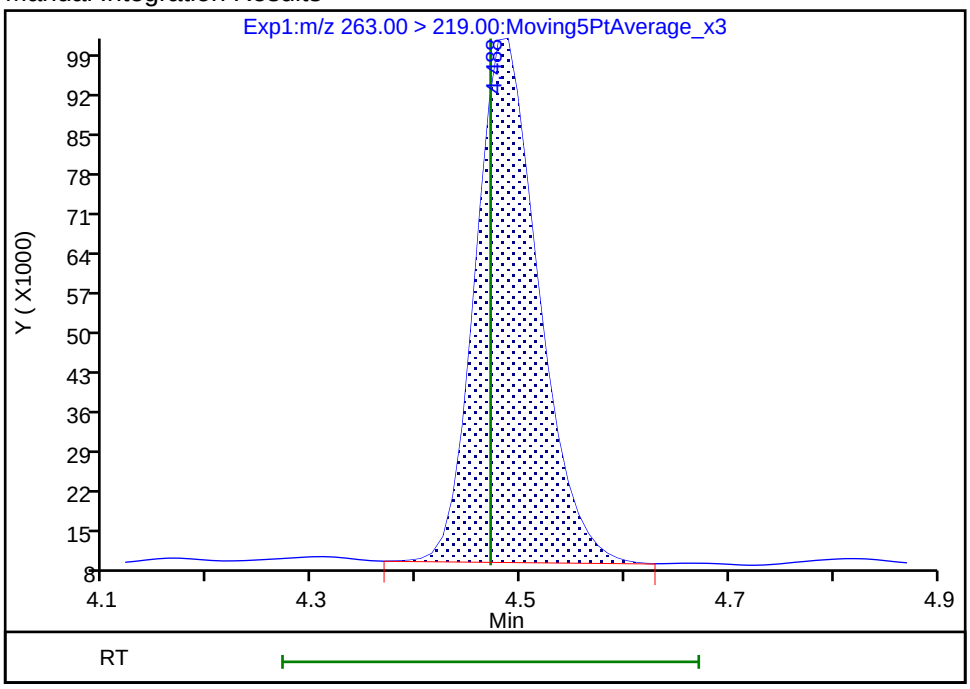
Processing Integration Results

RT: 4.49
Area: 414397
Amount: 0.557546
Amount Units: ng/ml



Manual Integration Results

RT: 4.49
Area: 387934
Amount: 0.522394
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:40:14

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

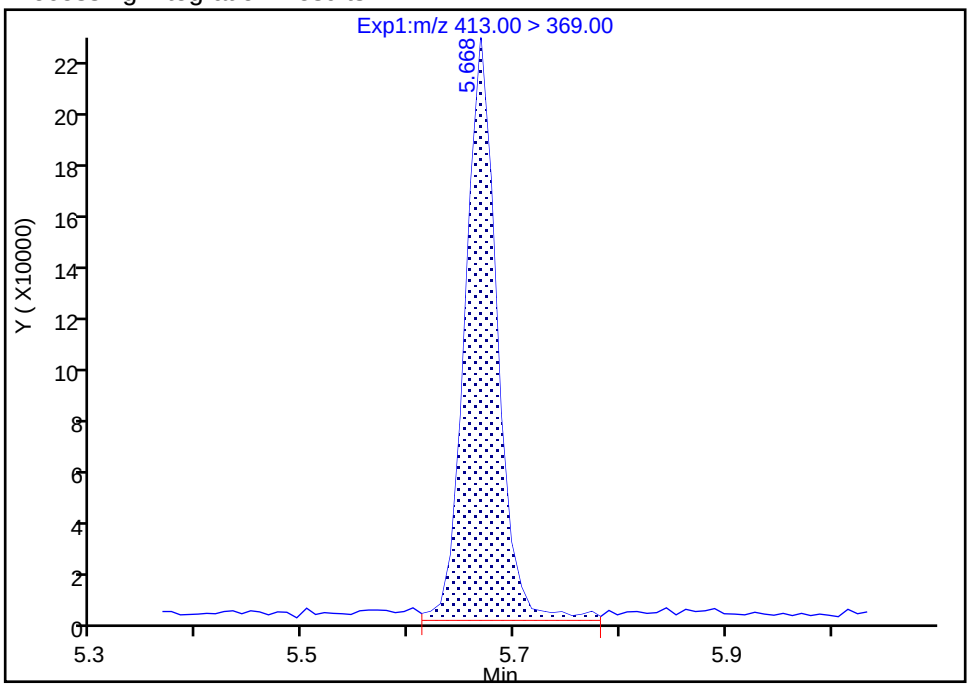
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d				
Injection Date:	21-Jul-2021 22:58:52	Instrument ID:	30733		
Lims ID:	IC CAL2				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20003	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

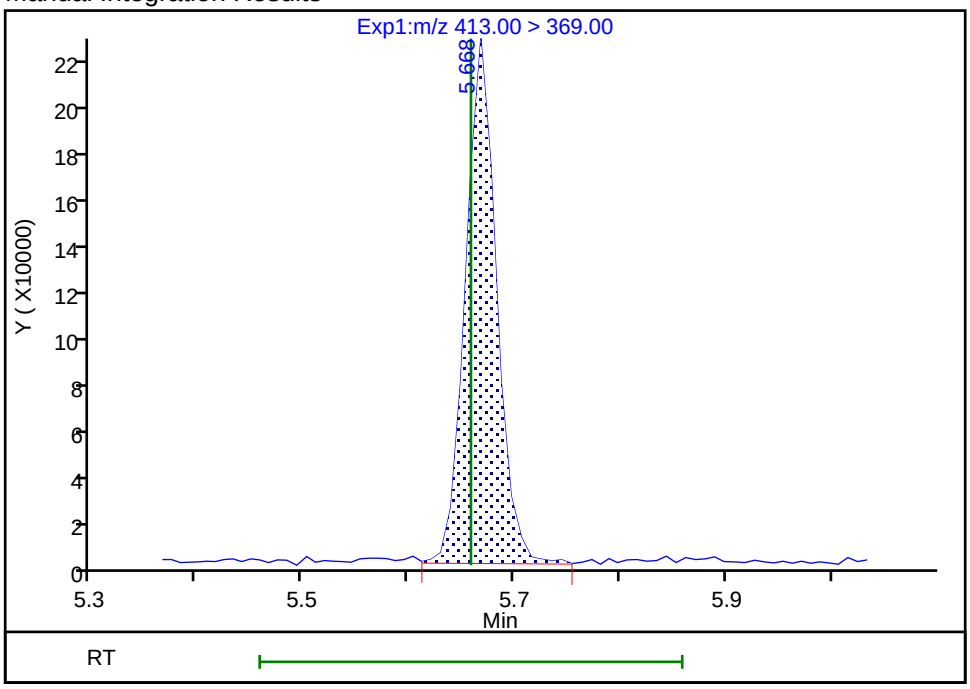
Processing Integration Results

RT: 5.67
Area: 462891
Amount: 0.562290
Amount Units: ng/ml



Manual Integration Results

RT: 5.67
Area: 444977
Amount: 0.540594
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:41:15
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

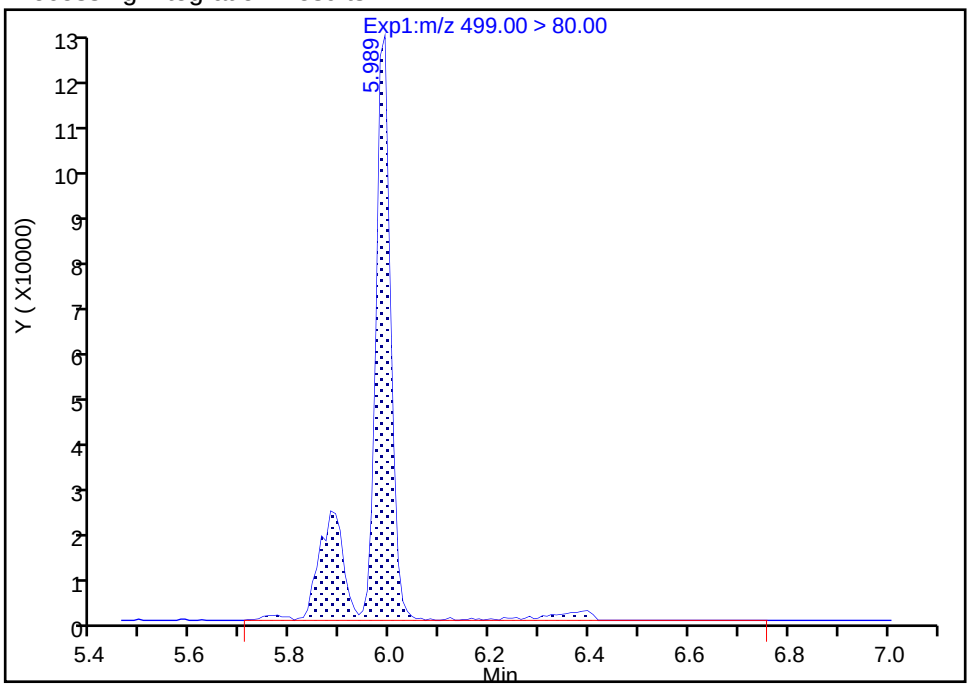
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d				
Injection Date:	21-Jul-2021 22:58:52	Instrument ID:	30733		
Lims ID:	IC CAL2				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20003	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

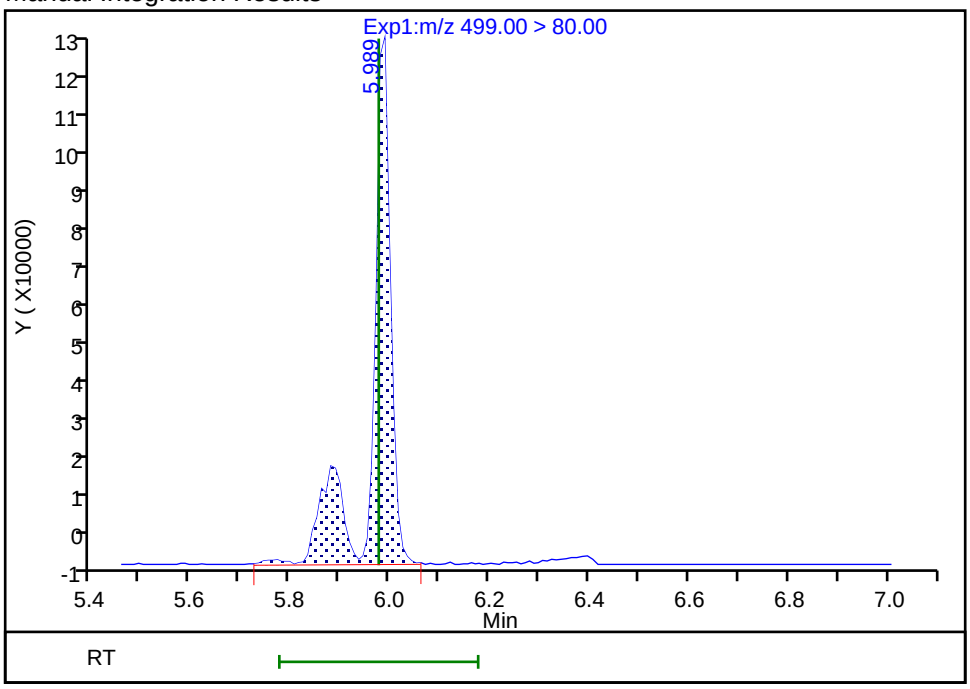
Processing Integration Results

RT: 5.99
Area: 346375
Amount: 0.488321
Amount Units: ng/ml



Manual Integration Results

RT: 5.99
Area: 335322
Amount: 0.472782
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:41:35
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

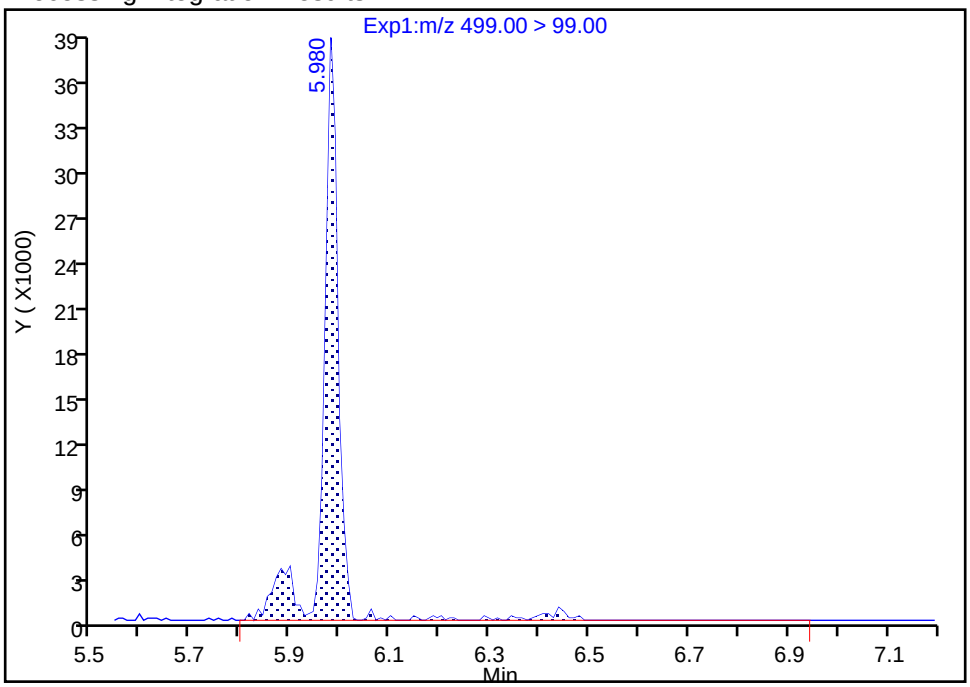
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d				
Injection Date:	21-Jul-2021 22:58:52	Instrument ID:	30733		
Lims ID:	IC CAL2				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20003	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

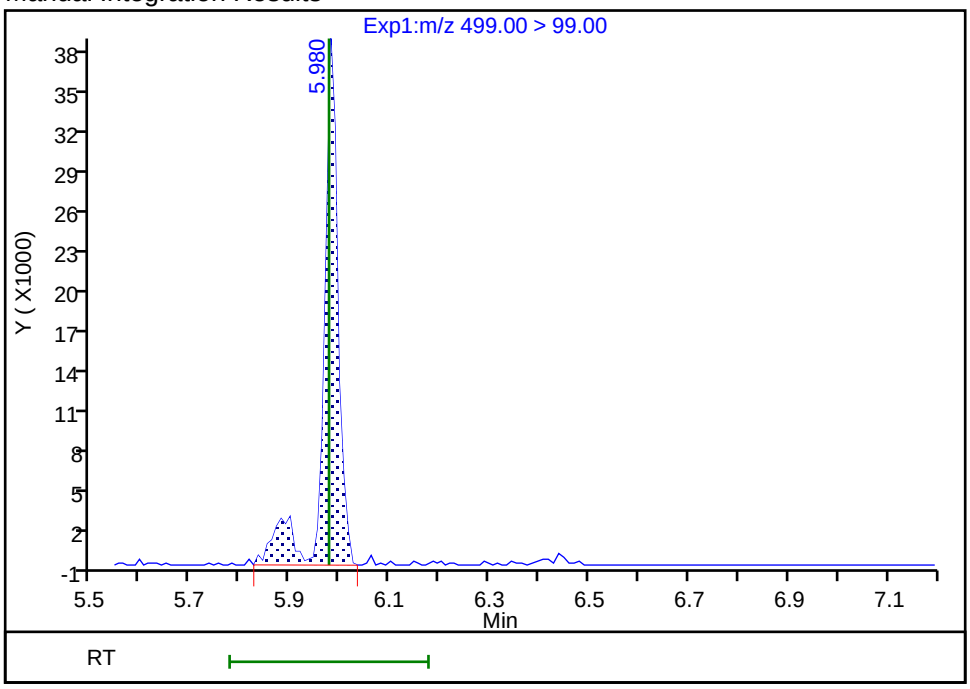
Processing Integration Results

RT: 5.98
Area: 81820
Amount: 0.488321
Amount Units: ng/ml



Manual Integration Results

RT: 5.98
Area: 77360
Amount: 0.472782
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:41:53

Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC

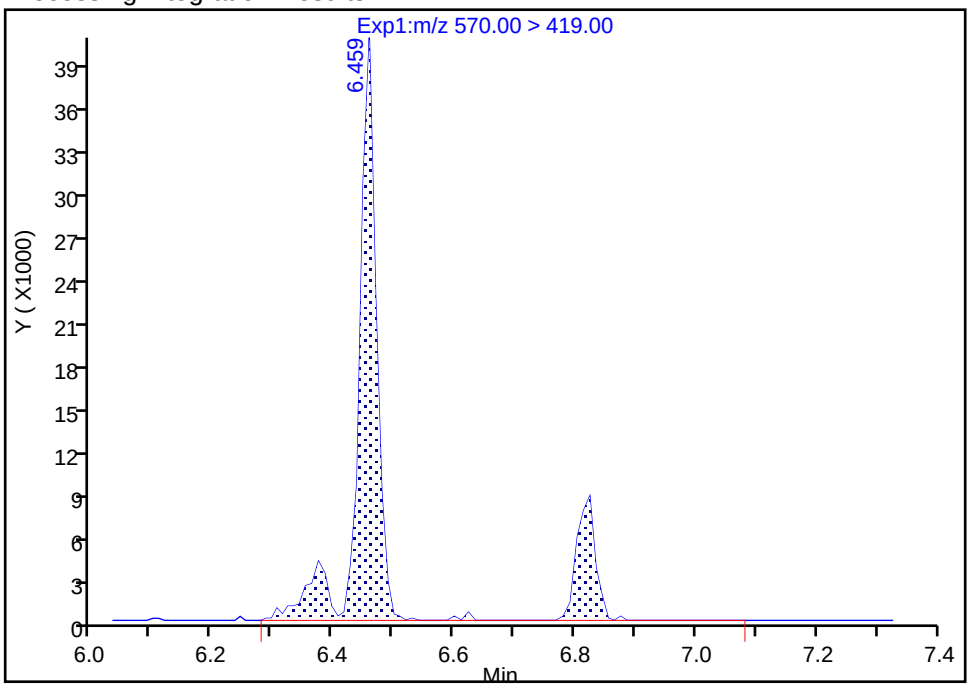
Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d
Injection Date: 21-Jul-2021 22:58:52 Instrument ID: 30733
Lims ID: IC CAL2
Client ID:
Operator ID: US19_USR_INS20260 ALS Bottle#: 20003 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA
Column: Detector EXP1

60 NMeFOSAA, CAS: 2355-31-9

Signal: 1

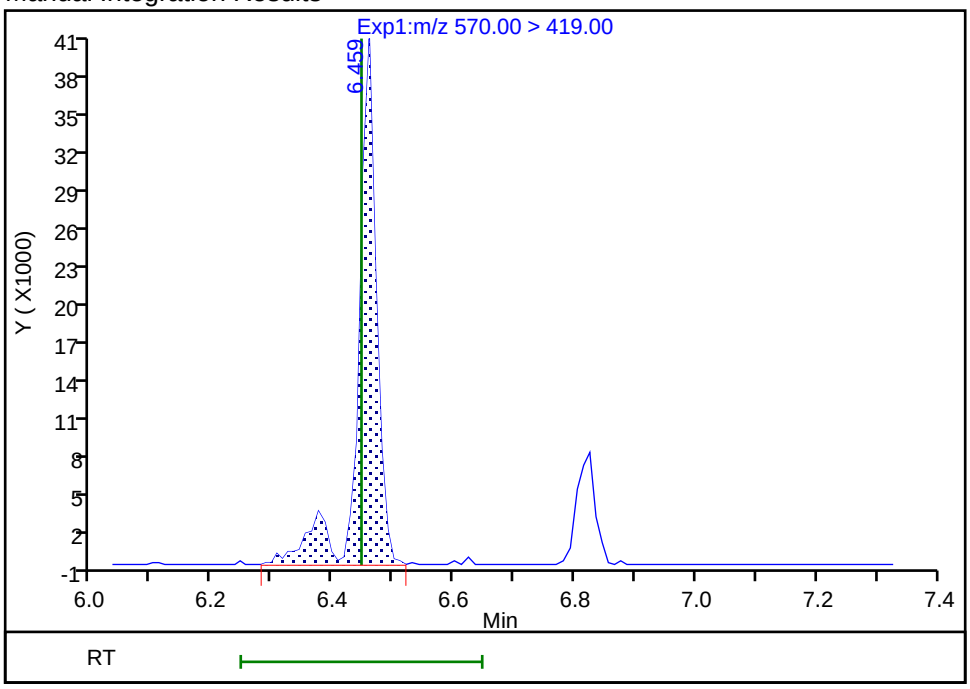
Processing Integration Results

RT: 6.46
Area: 105475
Amount: 0.623949
Amount Units: ng/ml



Manual Integration Results

RT: 6.46
Area: 86968
Amount: 0.515156
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:42:22
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

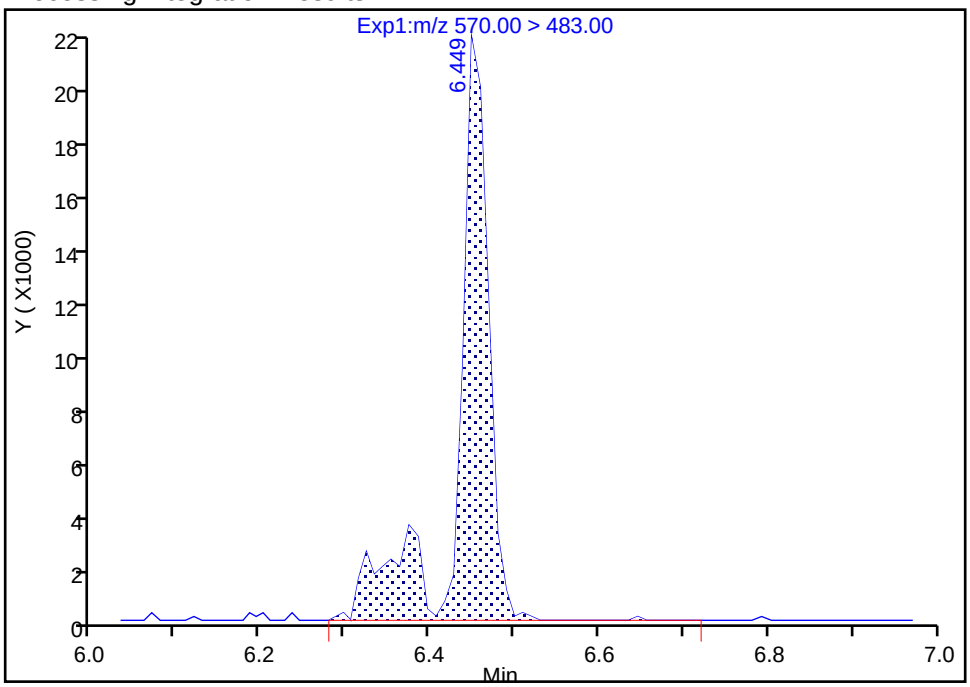
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d				
Injection Date:	21-Jul-2021 22:58:52	Instrument ID:	30733		
Lims ID:	IC CAL2				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20003	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

60 NMeFOSAA, CAS: 2355-31-9

Signal: 2

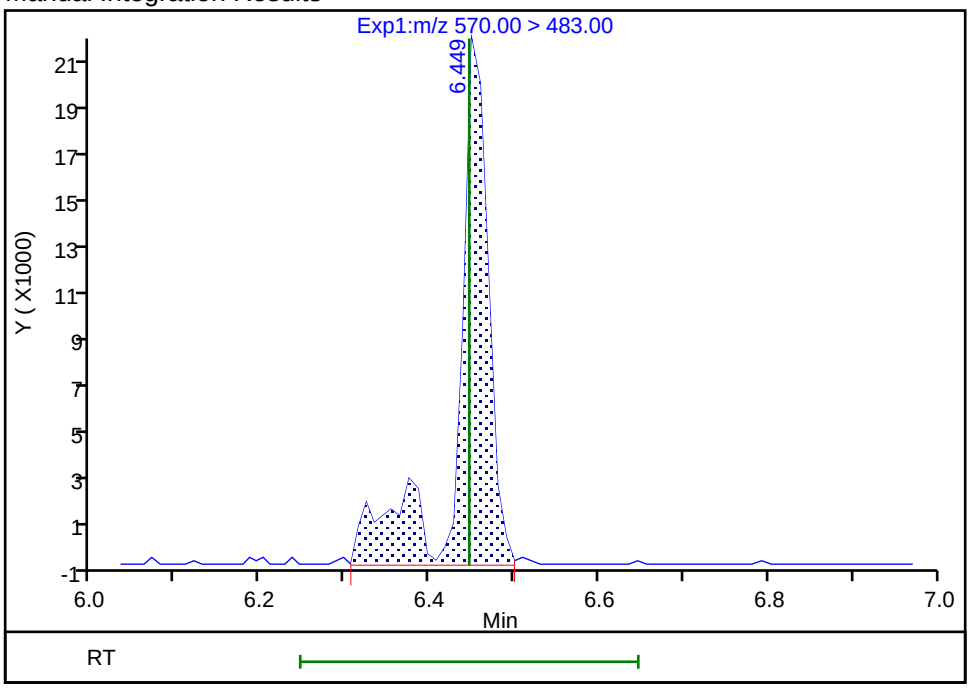
Processing Integration Results

RT: 6.45
Area: 55758
Amount: 0.623949
Amount Units: ng/ml



Manual Integration Results

RT: 6.45
Area: 55629
Amount: 0.515156
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:42:31

Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC

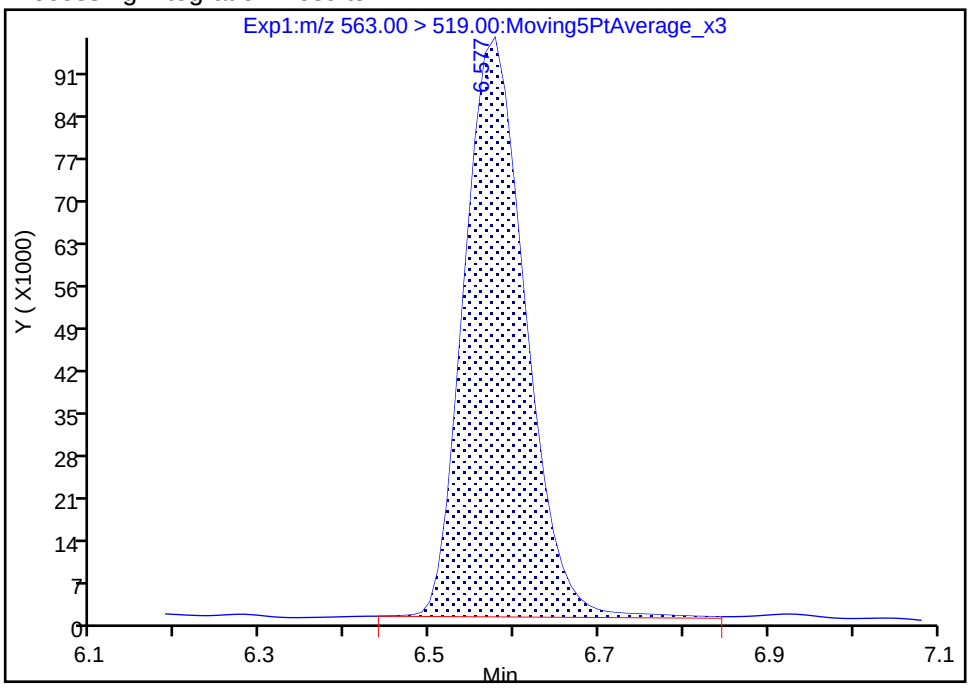
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d				
Injection Date:	21-Jul-2021 22:58:52	Instrument ID:	30733		
Lims ID:	IC CAL2				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20003	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

63 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

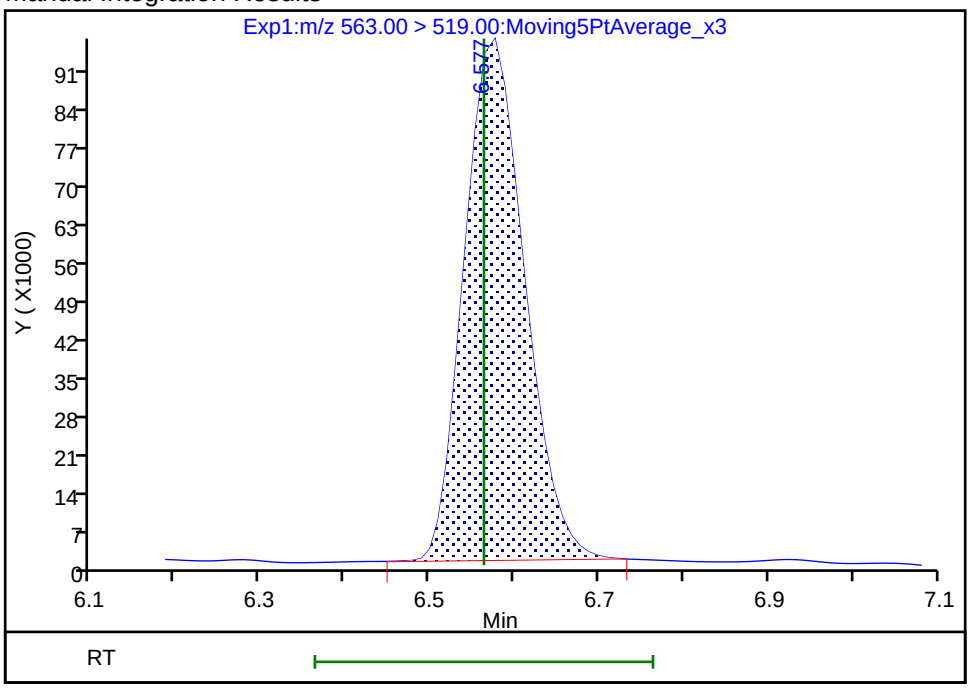
Processing Integration Results

RT: 6.58
Area: 480801
Amount: 0.612788
Amount Units: ng/ml



Manual Integration Results

RT: 6.58
Area: 472161
Amount: 0.575262
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:43:19
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

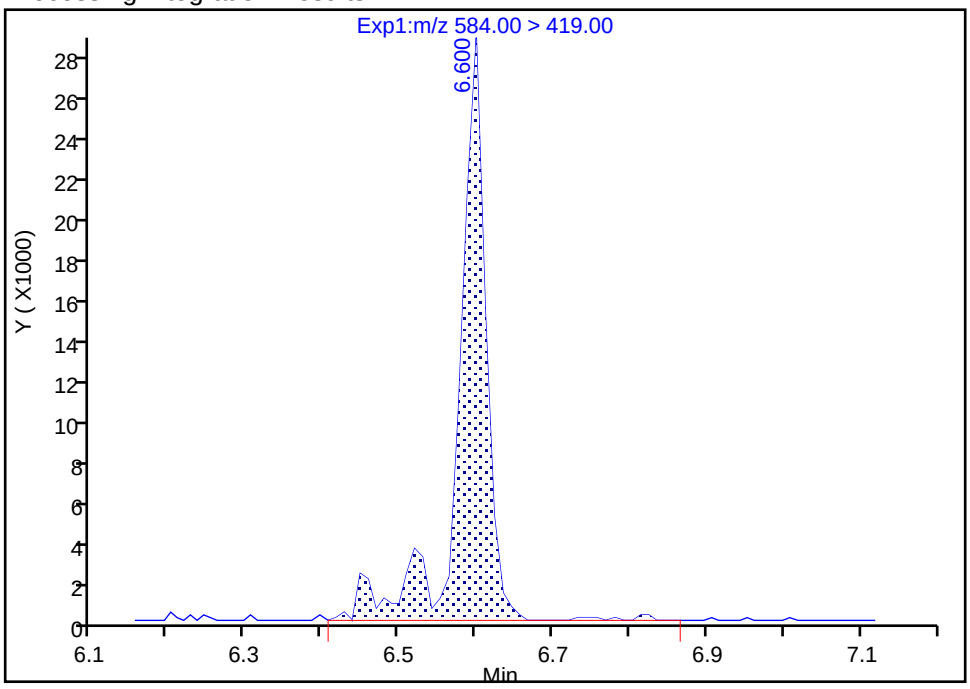
Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-18.d
Injection Date: 21-Jul-2021 22:58:52 Instrument ID: 30733
Lims ID: IC CAL2
Client ID:
Operator ID: US19_USR_INS20260 ALS Bottle#: 20003 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA
Column: Detector EXP1

67 NEtFOSAA, CAS: 2991-50-6

Signal: 1

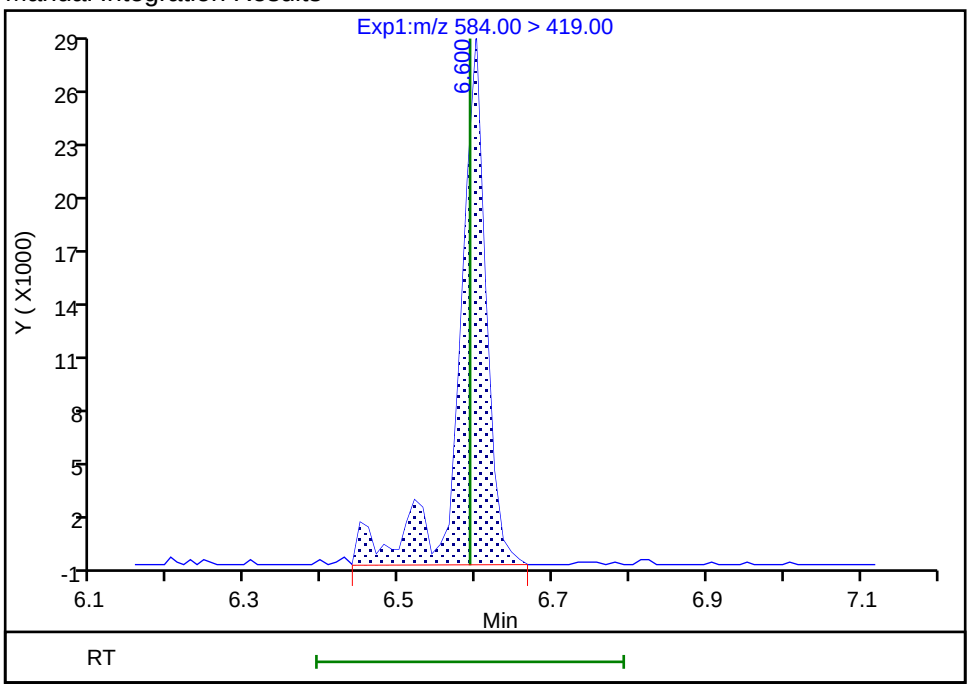
Processing Integration Results

RT: 6.60
Area: 71370
Amount: 0.532478
Amount Units: ng/ml



Manual Integration Results

RT: 6.60
Area: 70527
Amount: 0.510814
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:43:43
Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-19.d
Lims ID: IC CAL3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Jul-2021 23:09:54 ALS Bottle#: 20004 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL3
Misc. Info.: Plate: 1 Rack: 1 410-0034894-003
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:24:58 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: chensh Date: 22-Jul-2021 07:46:53
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
2 Perfluorobutanoic acid										
213.00 > 169.00	3.949	3.938	0.011	1.000	1549194	2.13		106	5885	
* 4 13C3-PFBA										
216.00 > 172.00	3.949	3.940	0.009		3646202	5.00			26338	
D 3 13C4 PFBA										
217.00 > 172.00	3.949	3.938	0.011	1.000	8438545	10.3		103	238044	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.479	4.471	0.008	0.998	1599325	2.14		107	1716	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.488	4.475	0.013	1.137	7917586	10.4		104	238811	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.536	4.525	0.011	1.000	1292611	1.89	Target=3.13	107	2289	
299.00 > 99.00	4.536	4.525	0.011	1.000	421975		3.06(1.57-4.70)	107	1976	
D 11 13C3 PFBS										
302.00 > 80.00	4.536	4.528	0.008	1.149	6168180	9.68		104	288468	
15 4:2 FTS										
327.00 > 307.00	4.861	4.853	0.008	0.998	302241	1.86	Target=1.61	99.6	22644	
327.00 > 81.00	4.861	4.853	0.008	0.998	177178		1.71(0.81-2.42)	99.6	7823	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.871	4.858	0.013	0.859	452088	9.48		101	20360	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.900	4.891	0.009	0.998	1635633	2.24	Target=14.88	112	6616	
313.00 > 119.00	4.900	4.891	0.009	0.998	110698		14.78(7.44-22.32)	112	2778	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.910	4.898	0.012	0.866	7334222	9.66		96.6	323170	
D 19 13C5 PFHxA										
318.00 > 273.00	4.910	4.896	0.014	0.866	9690480	9.93		99.3	236752	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.921	4.911	0.010	1.085	1228502	1.94	Target=3.52	103	68088	
349.00 > 99.00	4.921	4.911	0.010	1.085	339947		3.61(1.76-5.28)	103	19037	
21 HFPO-DA										
329.00 > 285.00	5.036	5.025	0.011	1.000	569080	2.00		100.0	4328	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.036	5.027	0.009	0.888	910359	10.1		101	55671	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.295	5.286	0.009	0.998	2357075	2.22	Target=3.85	111	11809	
363.00 > 169.00	5.295	5.286	0.009	0.998	620830		3.80(1.93-5.78)	111	13467	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.306	5.292	0.014	1.000	1353208	2.08	Target=3.51	114	3496	
399.00 > 99.00	5.295	5.292	0.003	0.998	378910		3.57(1.75-5.26)	114	1148	
D 25 13C3 PFHxS										
402.00 > 80.00	5.306	5.289	0.017	0.936	6282136	9.13		96.5	268376	
D 24 13C4 PFHpA										
367.00 > 322.00	5.306	5.292	0.014	0.936	10268472	10.3		103	244271	
27 DONA										
377.00 > 251.00	5.347	5.336	0.011	1.008	2902505	2.12		112	39106	
34 6:2 FTS										
427.00 > 407.00	5.649	5.638	0.011	1.000	267023	2.00	Target=1.43	105	15520	
427.00 > 81.00	5.649	5.638	0.011	1.000	175528		1.52(0.72-2.15)	105	10208	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.649	5.642	0.007	1.065	1248464	2.11	Target=3.86	111	58253	
449.00 > 99.00	5.649	5.642	0.007	1.065	326938		3.82(1.93-5.79)	111	19221	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.649	5.640	0.009	0.997	269560	10.2		107	15514	
$ 39 13C4 PFOA										
417.00 > 372.00	5.668	5.656	0.012	1.000	10859787	10.8		108	314859	
D 37 13C8 PFOA										
421.00 > 376.00	5.668	5.656	0.012	1.000	11558181	10.7		107	267618	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.668	5.659	0.009	1.000	1880488	2.18	Target=2.48	109	41949	
413.00 > 169.00	5.668	5.659	0.009	1.000	750509		2.51(1.24-3.72)	109	36754	
* 38 13C2 PFOA										
415.00 > 370.00	5.668	5.656	0.012		3973969	5.00			184899	
D 41 13C8 PFOS										
507.00 > 80.00	5.989	5.975	0.014	1.000	6410903	9.98		104	81844	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.989	5.977	0.012	1.000	1428215	1.95	Target=4.45	105	172241	
499.00 > 99.00	5.980	5.977	0.003	0.999	327980		4.35(2.23-6.68)	105	71944	
* 42 13C4 PFOS										
503.00 > 80.00	5.989	5.977	0.012		2972935	4.78			104008	
44 Perfluorononanoic acid										
463.00 > 419.00	5.997	5.990	0.007	0.998	1809963	2.26	Target=4.83	113	12837	
463.00 > 169.00	5.997	5.990	0.007	0.998	382794		4.73(2.42-7.25)	113	23312	
D 45 13C9 PFNA										
472.00 > 427.00	6.007	5.994	0.013	1.003	9318972	10.4		104	374699	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.156	6.147	0.009	1.028	2844266	2.18		117	81887	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.280	6.270	0.010	1.049	1415685	2.10	Target=4.19	110	58009	
549.00 > 99.00	6.280	6.270	0.010	1.049	348577		4.06(2.09-6.28)	110	17282	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.306	6.294	0.012	1.000	2104886	2.13	Target=10.20	106	19309	
513.00 > 169.00	6.306	6.294	0.012	1.000	216771		9.71(5.10-15.29)	106	12816	
56 8:2 FTS										
527.00 > 507.00	6.306	6.298	0.008	0.999	293032	2.14	Target=1.44	111	17213	
527.00 > 81.00	6.306	6.298	0.008	0.999	192154		1.52(0.72-2.16)	111	9148	
* 55 13C2 PFDA										
515.00 > 470.00	6.306	6.298	0.008		5695859	5.00			193394	
D 54 13C6 PFDA										
519.00 > 474.00	6.306	6.298	0.008	1.000	11339287	10.5		105	382190	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.316	6.303	0.013	1.001	187105	10.1		106	14397	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.397	6.386	0.011	0.998	2166732	2.13		107	92587	
D 59 13C8 FOSA										
506.00 > 78.00	6.407	6.392	0.015	1.016	10261829	9.58		95.8	145069	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.460	6.443	0.017	1.024	1929045	9.81		98.1	82242	
60 NMeFOSAA										
570.00 > 419.00	6.460	6.446	0.014	1.000	369307	2.14	Target=1.62	107	163500	
570.00 > 483.00	6.460	6.446	0.014	1.000	221515		1.67(0.81-2.44)	107	245	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.544	6.532	0.012	1.093	1410524	1.87	Target=4.24	96.8	57384	
599.00 > 99.00	6.544	6.532	0.012	1.093	330407		4.27(2.12-6.36)	96.8	11243	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.579	6.567	0.012	1.161	9801132	10.6		106	326638	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.579	6.564	0.015	1.000	1993497	2.29	Target=8.77	115	14090	
563.00 > 169.00	6.567	6.564	0.003	0.998	219327		9.09(4.39-13.16)	115	10954	
D 65 13C7 PFUnA										
570.00 > 525.00	6.579	6.567	0.012	1.043	10532347	10.2		102	300418	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.591	6.579	0.012	1.045	1488591	9.81		98.1	21217	
67 NEtFOSAA										
584.00 > 419.00	6.602	6.592	0.010	1.002	304016	2.14	Target=1.47	107	40705	
584.00 > 526.00	6.602	6.592	0.010	1.002	196601		1.55(0.74-2.21)	107	414	
69 11ClFOS										
631.00 > 451.00	6.679	6.673	0.006	1.115	2119115	2.02		108	72884	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.818	6.802	0.016	1.000	1783858	2.21	Target=5.09	110	24590	
613.00 > 169.00	6.808	6.802	0.006	0.998	338611		5.27(2.54-7.63)	110	7040	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.818	6.805	0.013	1.081	8065516	10.2		102	284381	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
75 10:2 FTS										
627.00 > 607.00	6.828	6.820	0.008	1.081	191603	1.95	Target=0.84	101	13901	
627.00 > 81.00	6.828	6.820	0.008	1.081	226260		0.85(0.42-1.26)	101	12166	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.828	6.822	0.006	1.083	2023624	9.73		97.3	7262	
77 N-MeFOSE-M										
616.00 > 59.00	6.839	6.828	0.011	1.001	419930	1.97		98.7	5393	
78 NMeFOSA										
512.00 > 169.00	6.849	6.842	0.007	1.000	271697	2.17		108	14805	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.849	6.842	0.007	1.086	1255411	9.43		94.3	34357	
80 PFDoS										
699.00 > 80.00	6.992	6.978	0.014	1.168	1533507	2.14		111	43908	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.992	6.982	0.010	1.109	2327824	10.3		103	12933	
82 N-EtFOSE-M										
630.00 > 59.00	7.002	6.991	0.011	1.001	481892	1.90		94.9	8363	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.012	7.004	0.008	1.112	1238912	9.71		97.1	30453	
84 N-EtFOSA-M										
526.00 > 169.00	7.023	7.008	0.015	1.002	259548	1.96		97.9	11299	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.023	7.008	0.015	1.030	1309610	2.05	Target=4.59	103	5083	
663.00 > 169.00	7.012	7.008	0.004	1.028	281925		4.65(2.29-6.88)	103	10308	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.199	7.189	0.010	0.999	1629248	2.28	Target=5.25	114	5019	
713.00 > 169.00	7.199	7.189	0.010	0.999	293596		5.55(2.62-7.87)	114	11501	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.208	7.193	0.015	1.143	8462248	10.1		101	325248	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.496	7.487	0.009	1.040	1917328	2.11	Target=8.75	105	6338	
813.00 > 169.00	7.496	7.487	0.009	1.040	215928		8.88(4.38-13.13)	105	12890	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.727	7.719	0.008	1.072	1136714	2.08	Target=8.07	104	23779	
913.00 > 169.00	7.721	7.719	0.002	1.071	141875		8.01(4.04-12.11)	104	15572	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFC_STD_MOD3_00026 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:25:00 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-19.d

Injection Date: 21-Jul-2021 23:09:54 Instrument ID: 30733

Lims ID: IC CAL3

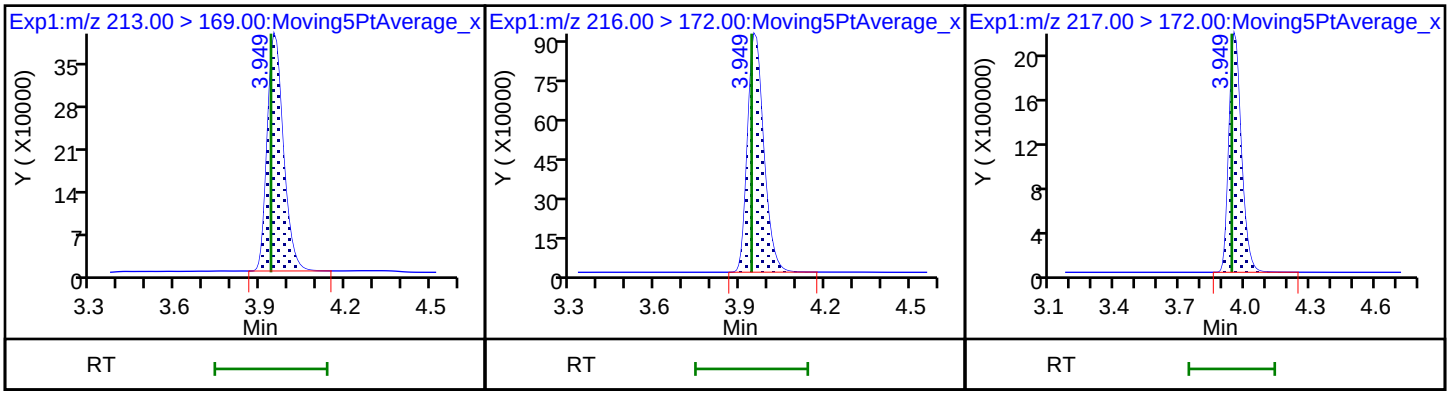
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20004 Worklist Smp#: 3

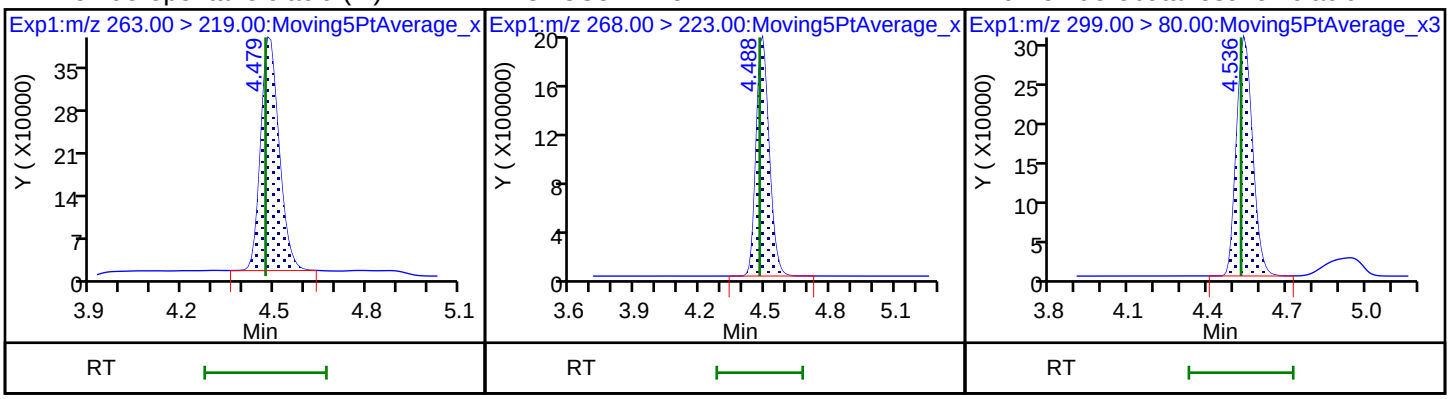
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

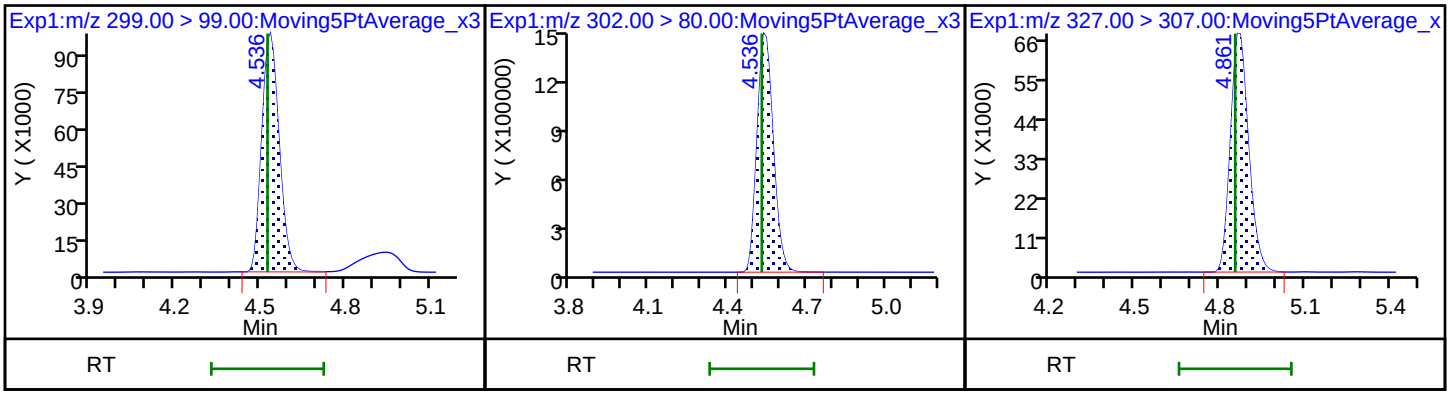
2 Perfluorobutanoic acid * 4 13C3-PFBA D 3 13C4 PFBA



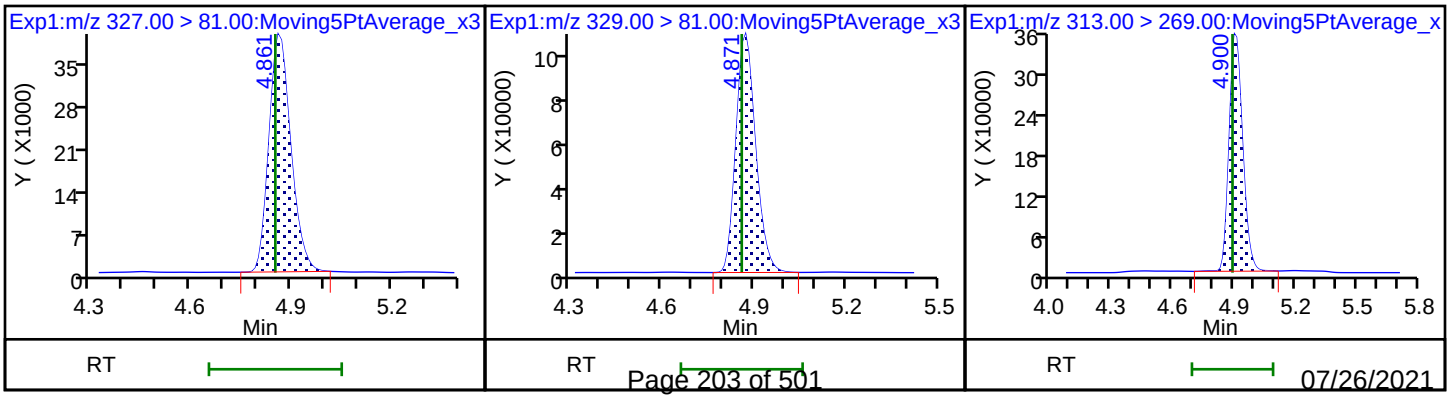
7 Perfluoropentanoic acid (M) D 8 13C5 PFPeA 10 Perfluorobutanesulfonic acid



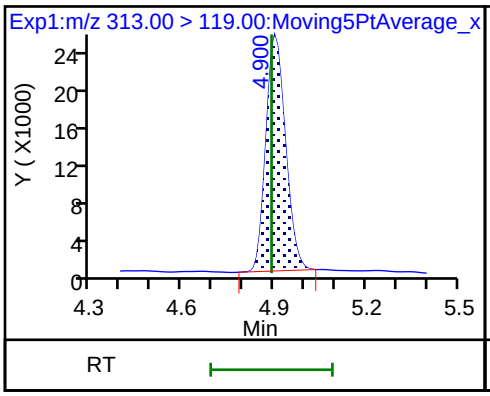
10 Perfluorobutanesulfonic acid D 11 13C3 PFBS 15 4:2 FTS



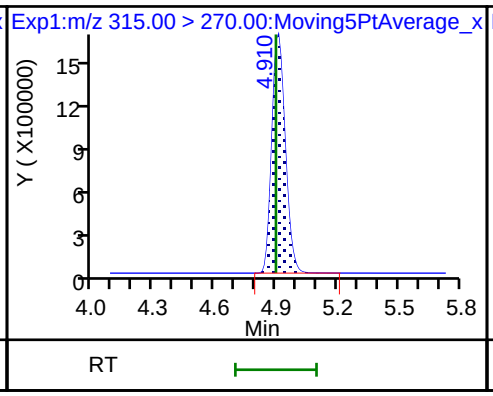
15 4:2 FTS D 16 M2-4:2 FTS 17 Perfluorohexanoic acid



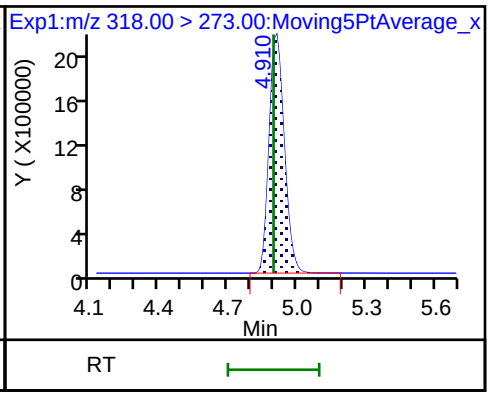
17 Perfluorohexanoic acid



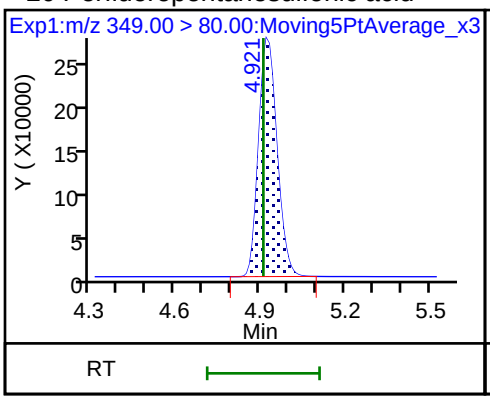
$ 18 13C2 PFHxA



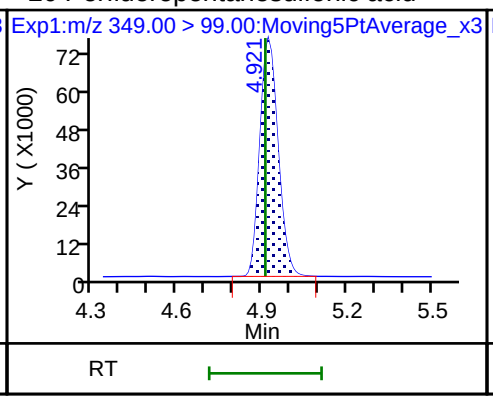
D 19 13C5 PFHxA



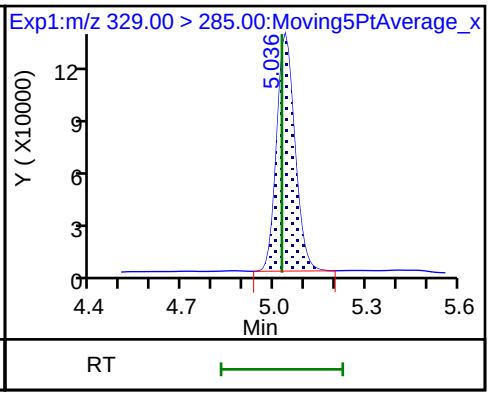
20 Perfluoropentanesulfonic acid



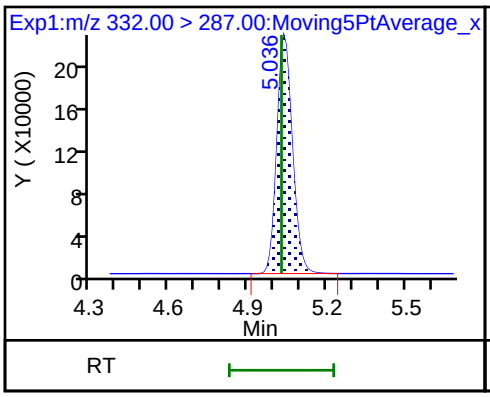
20 Perfluoropentanesulfonic acid



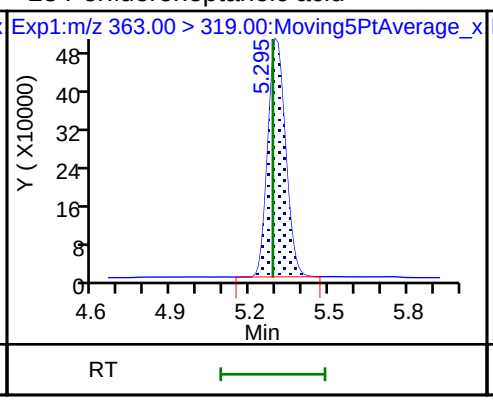
21 HFPO-DA



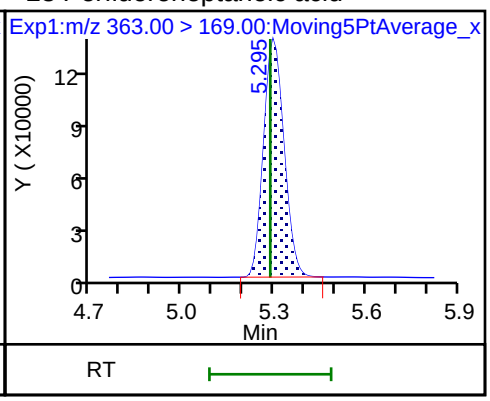
D 22 13C3 HFPO-DA



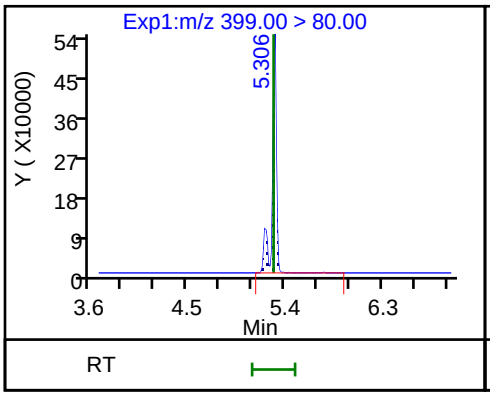
23 Perfluoroheptanoic acid



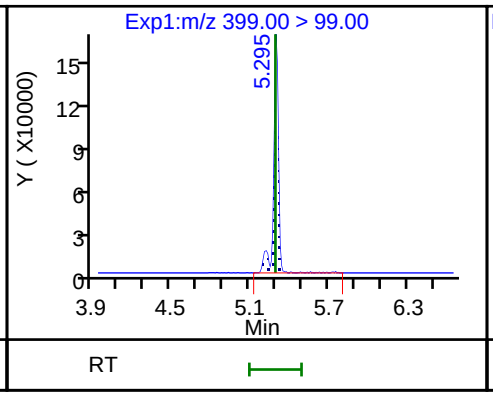
23 Perfluoroheptanoic acid



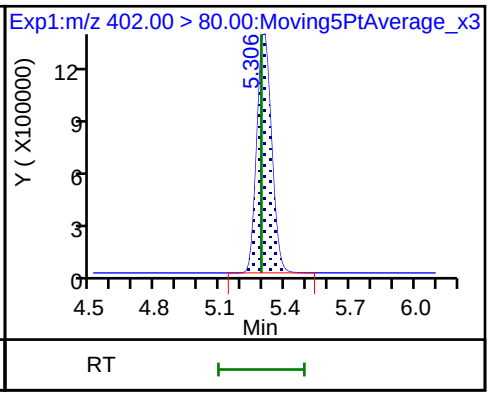
26 Perfluorohexanesulfonic acid



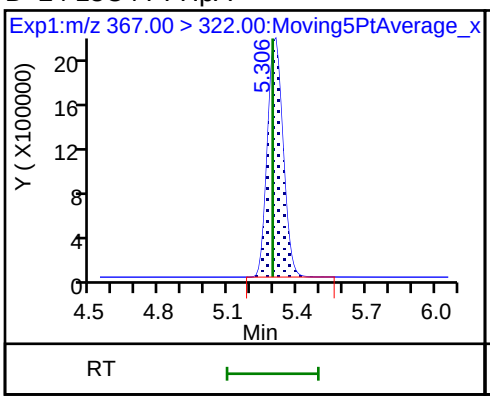
26 Perfluorohexanesulfonic acid



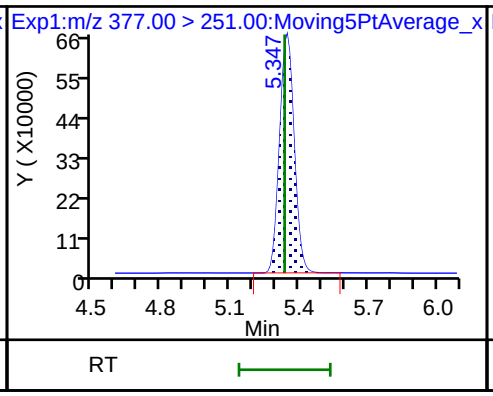
D 25 13C3 PFHxS



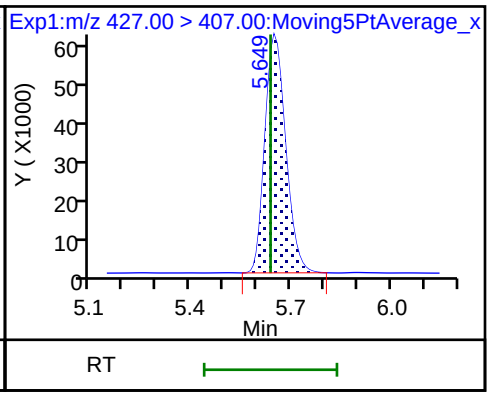
D 24 13C4 PFHpA



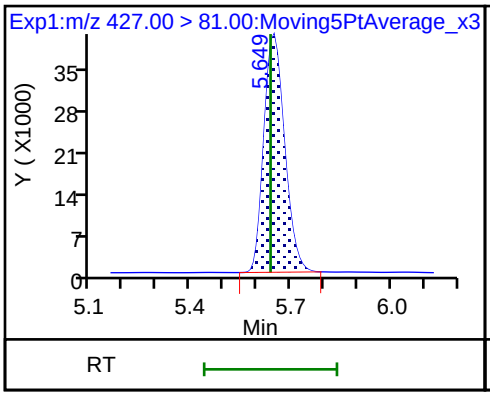
27 DONA



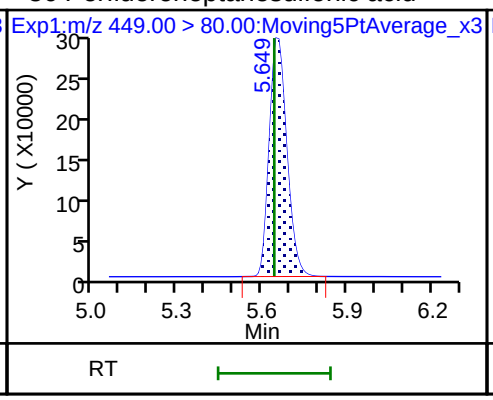
34 6:2 FTS



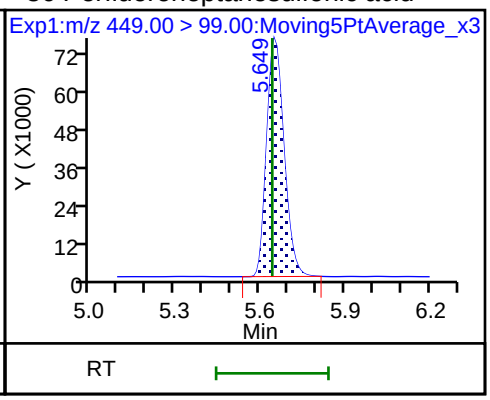
34 6:2 FTS



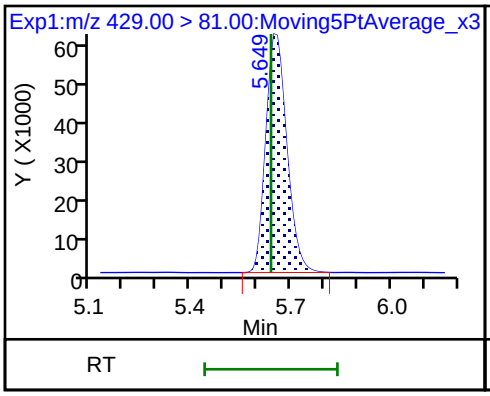
36 Perfluoroheptanesulfonic acid



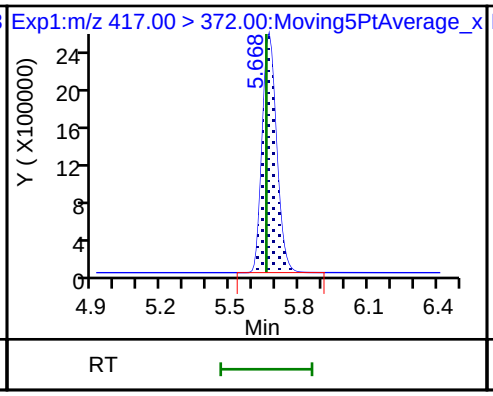
36 Perfluoroheptanesulfonic acid



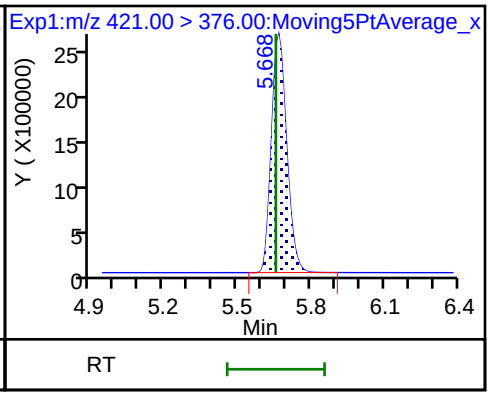
D 35 M2-6:2 FTS



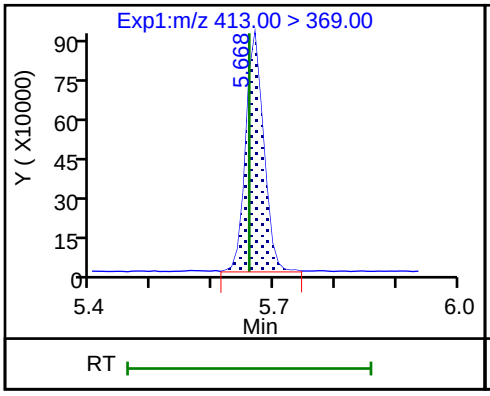
$ 39 13C4 PFOA



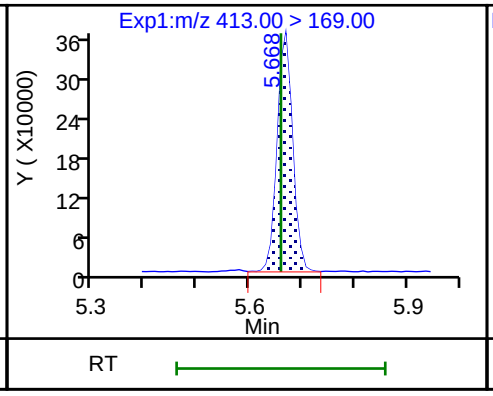
D 37 13C8 PFOA



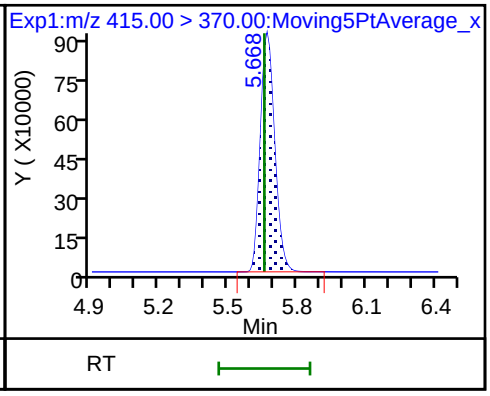
40 Perfluorooctanoic acid



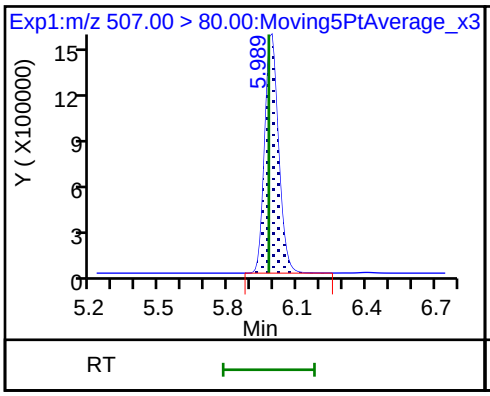
40 Perfluorooctanoic acid



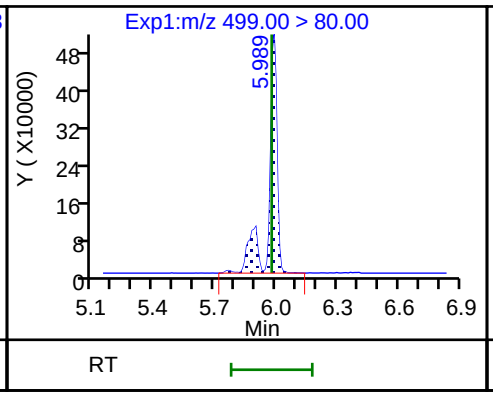
* 38 13C2 PFOA



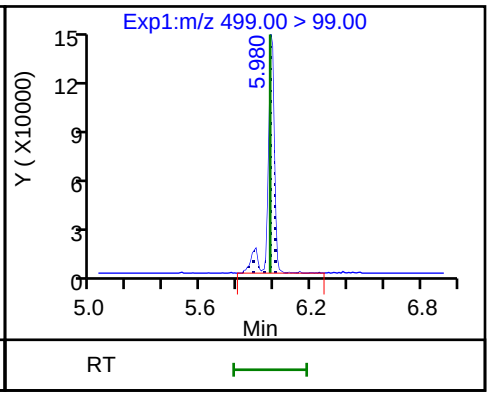
D 41 13C8 PFOS



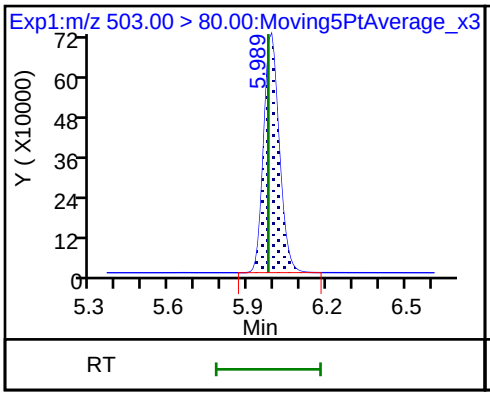
43 Perfluorooctanesulfonic acid



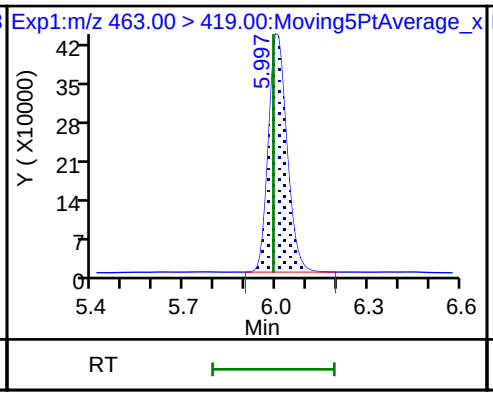
43 Perfluorooctanesulfonic acid



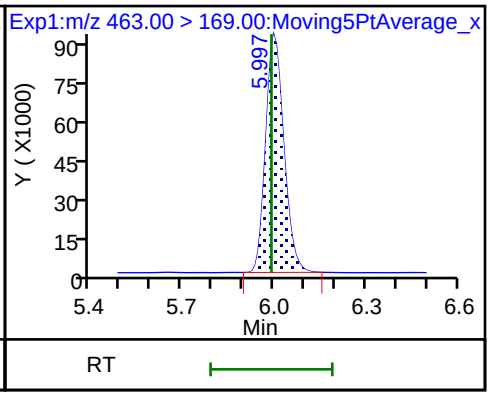
* 42 13C4 PFOS



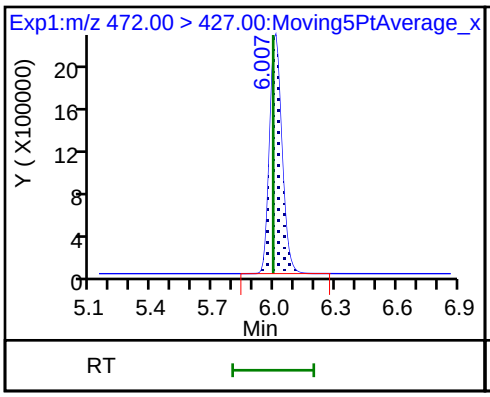
44 Perfluorononanoic acid



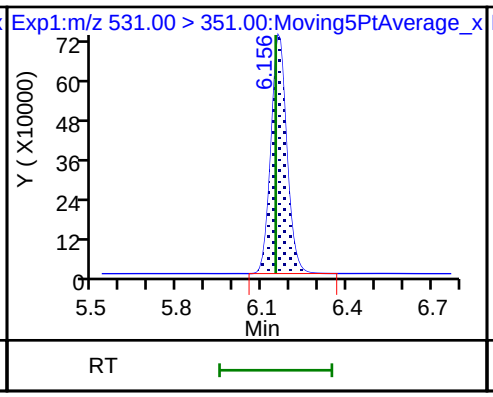
44 Perfluorononanoic acid



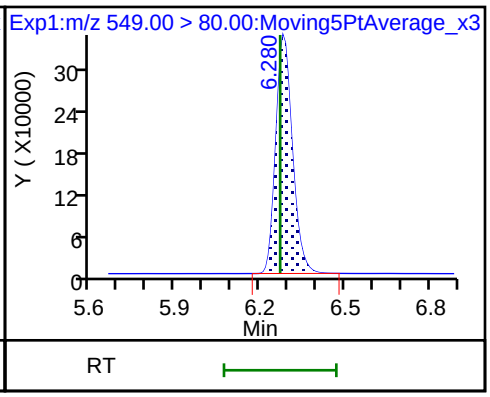
D 45 13C9 PFNA



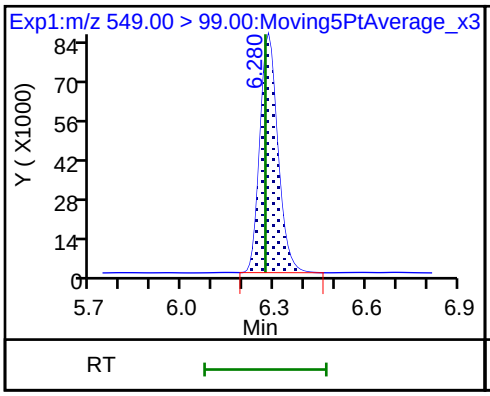
51 9ClFOS



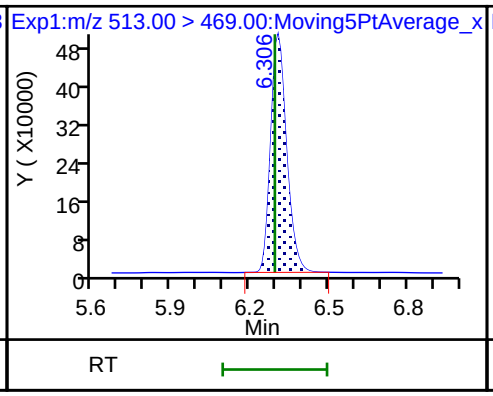
52 Perfluorononanesulfonic acid



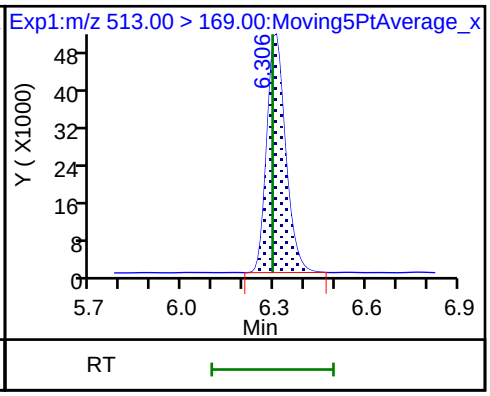
52 Perfluorononanesulfonic acid



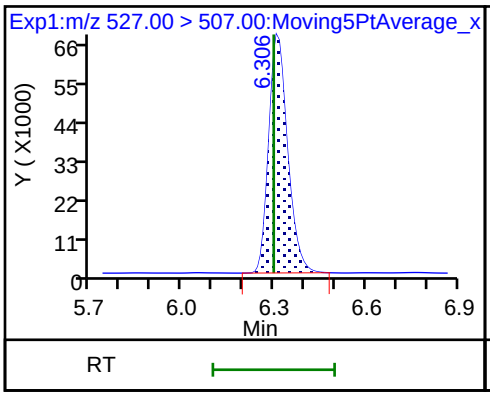
53 Perfluorodecanoic acid



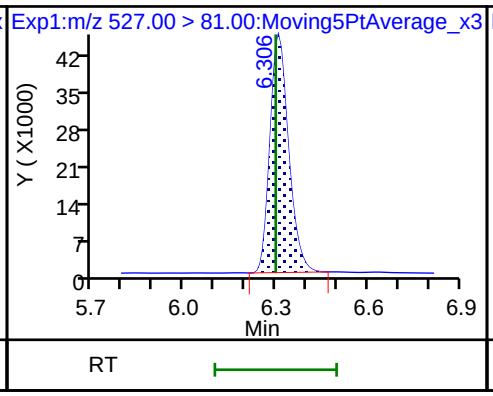
53 Perfluorodecanoic acid



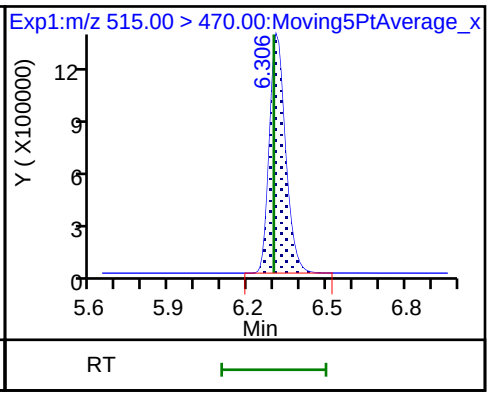
56 8:2 FTS



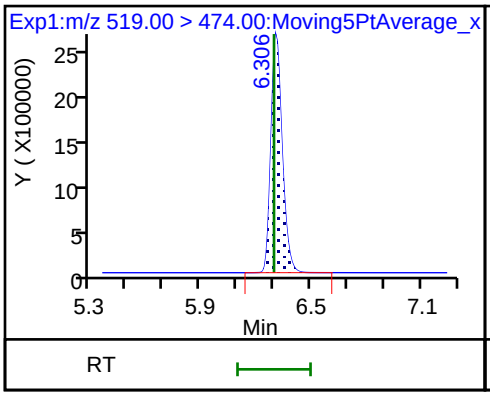
56 8:2 FTS



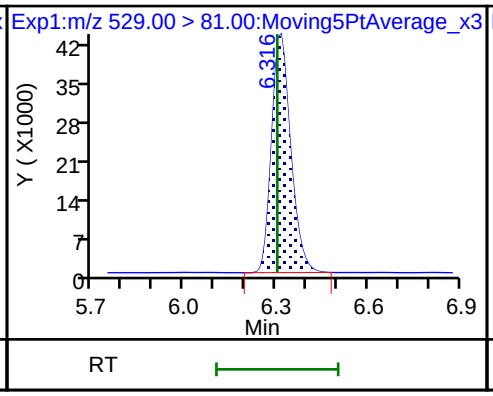
* 55 13C2 PFDA



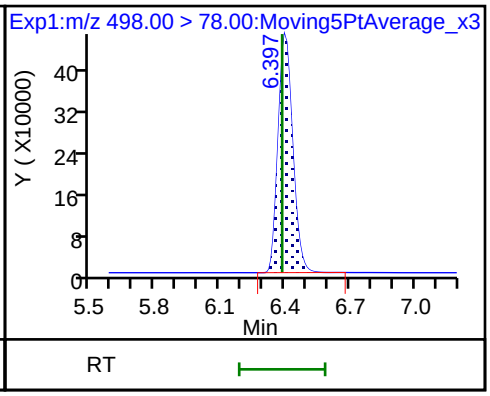
D 54 13C6 PFDA



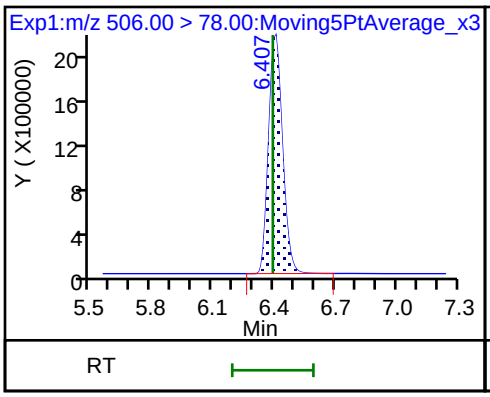
D 57 M2-8:2 FTS



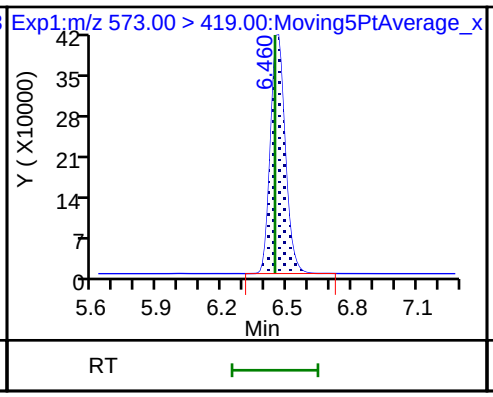
58 Perfluorooctanesulfonamide



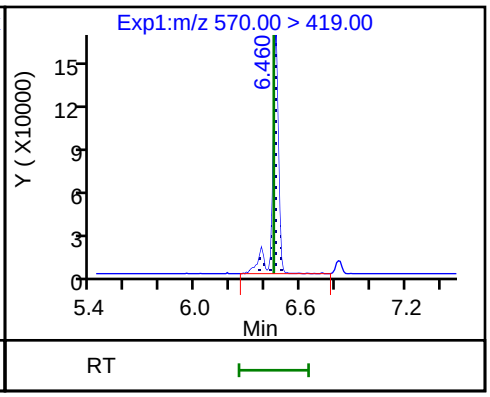
D 59 13C8 FOSA



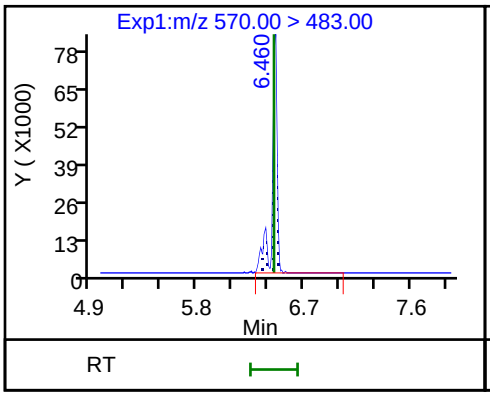
D 61 d3-NMeFOSAA



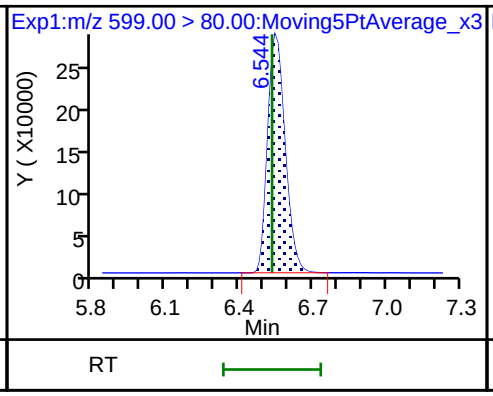
60 NMeFOSAA



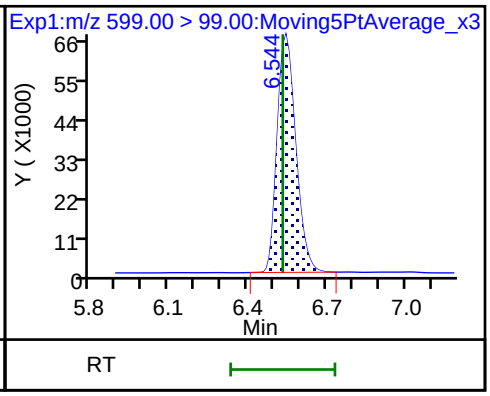
60 NMeFOSAA



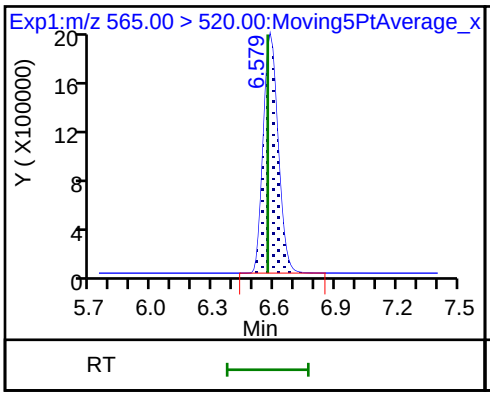
62 Perfluorodecanesulfonic acid



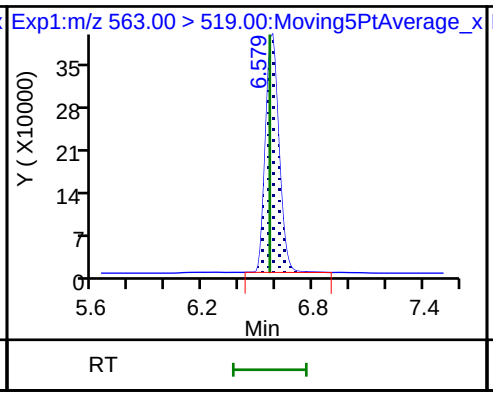
62 Perfluorodecanesulfonic acid



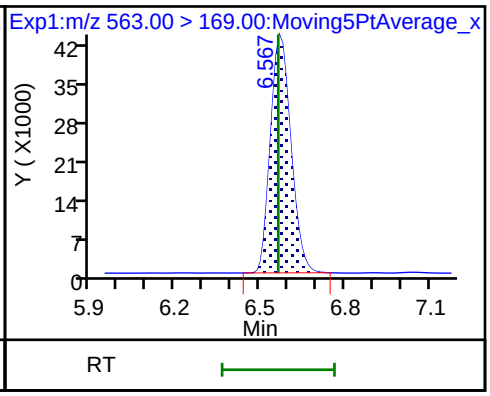
$ 64 13C2 PFUnA



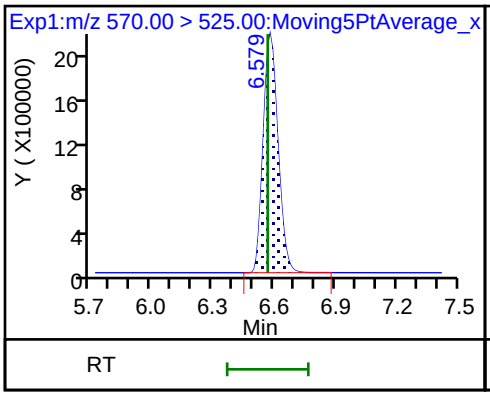
63 Perfluoroundecanoic acid



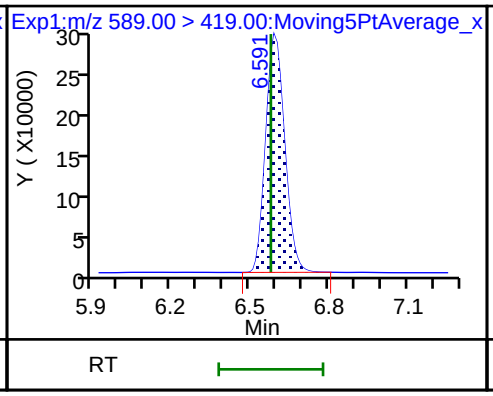
63 Perfluoroundecanoic acid



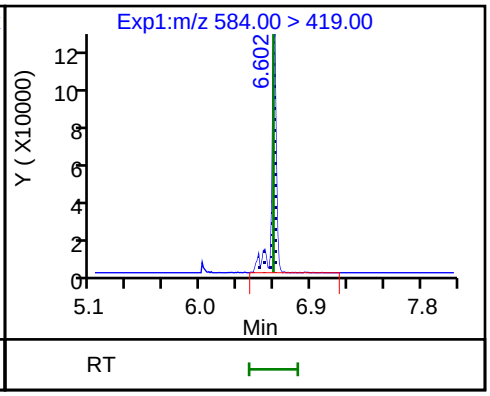
D 65 13C7 PFUnA



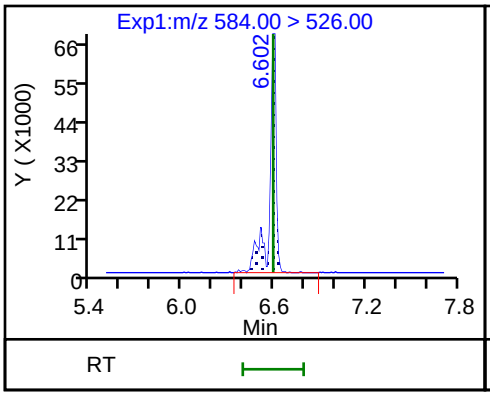
D 66 d5-NEtFOSAA



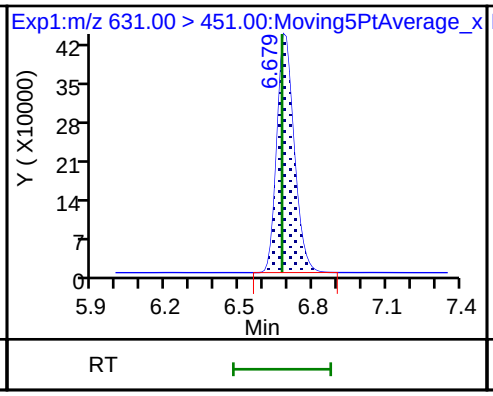
67 NEtFOSAA



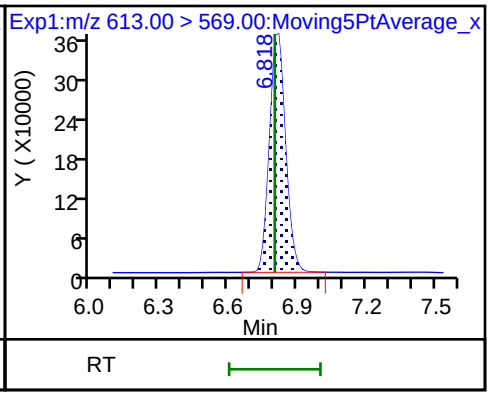
67 NEtFOSAA



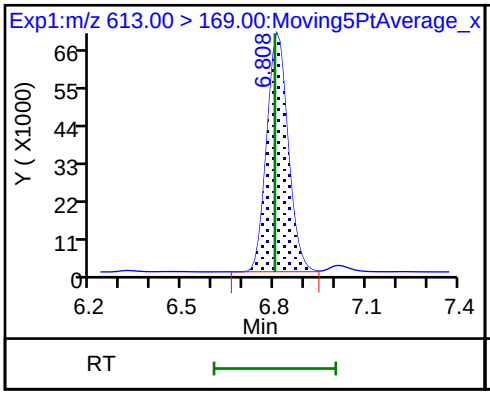
69 11ClFOS



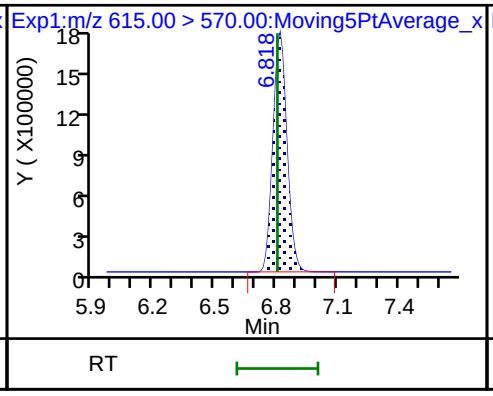
73 Perfluorododecanoic acid



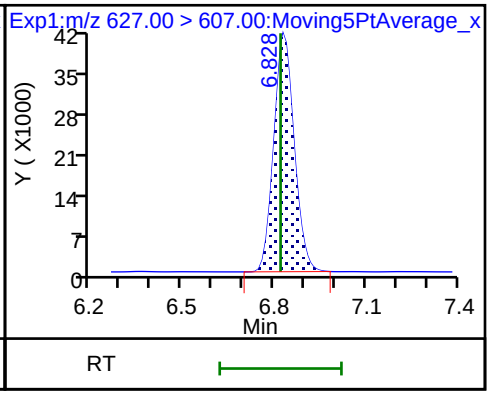
73 Perfluorododecanoic acid



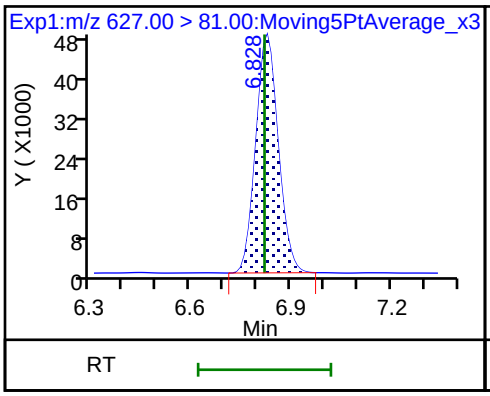
D 74 13C2-PFDoDA



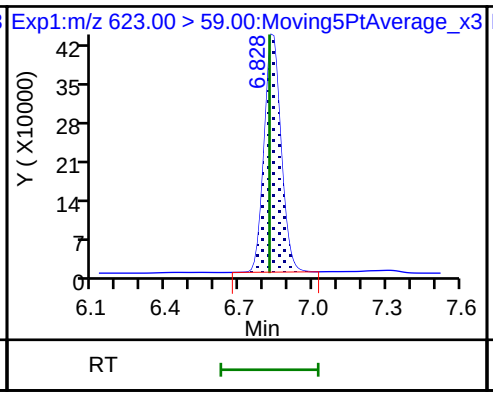
75 10:2 FTS



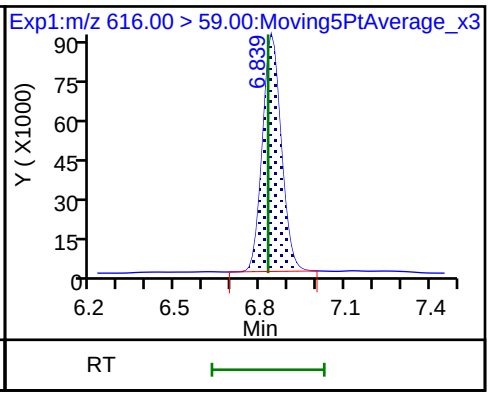
75 10:2 FTS



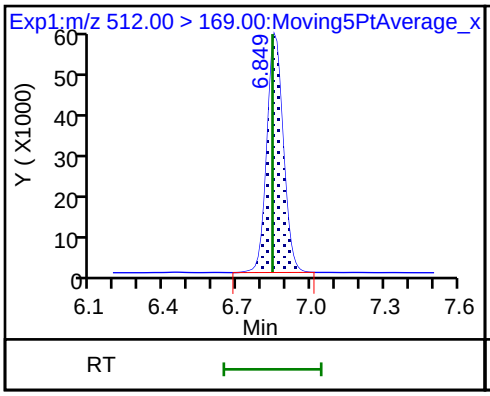
D 76 d7-N-MeFOSE-M



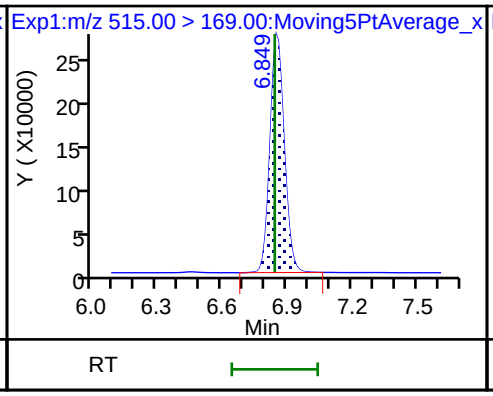
77 N-MeFOSE-M



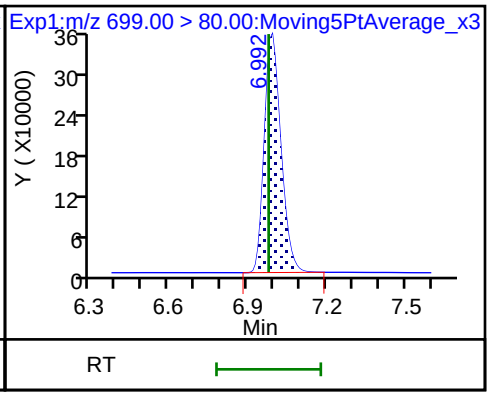
78 NMeFOSA



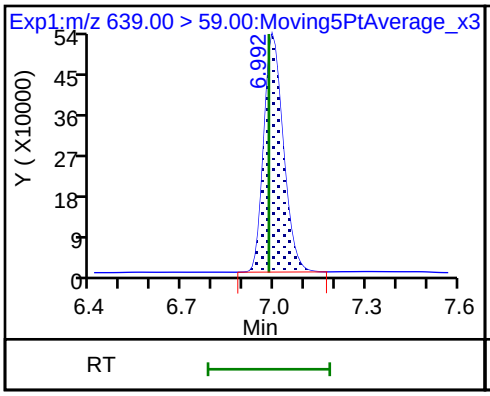
D 79 d3-NMePFOSA



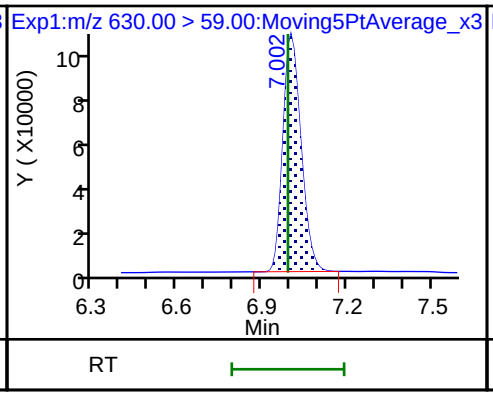
80 PFDoS



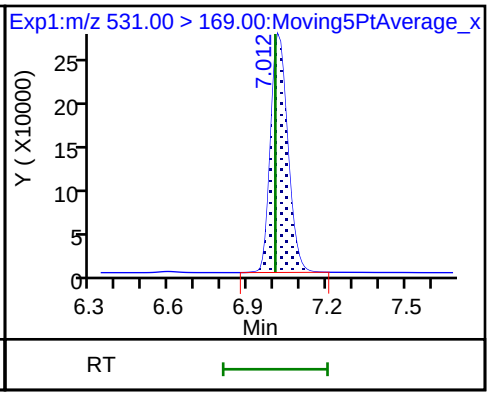
D 81 d9-N-EtFOSE-M



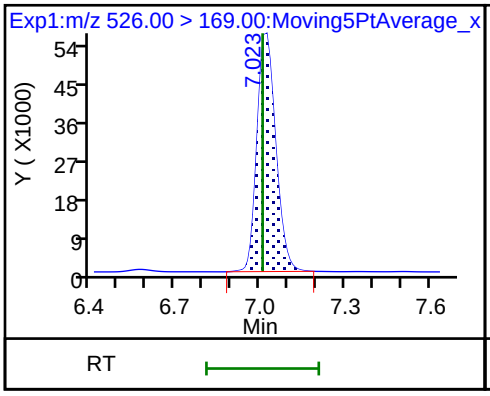
82 N-EtFOSE-M



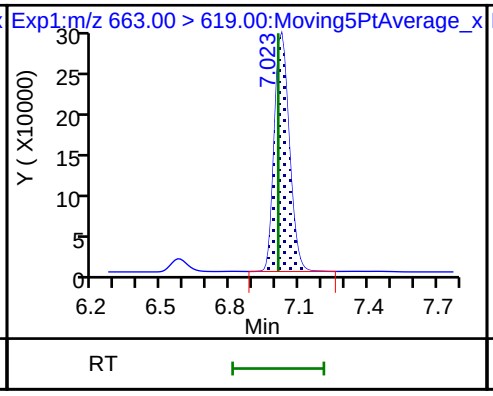
D 83 d5-NEtPFOSA



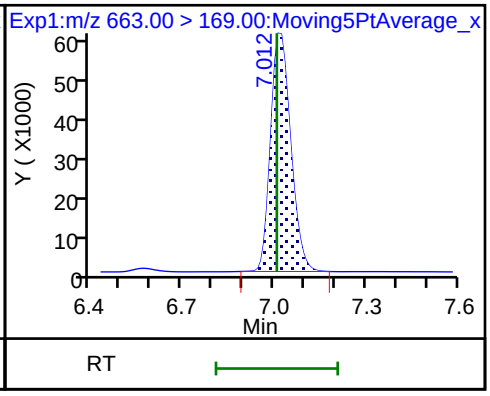
84 N-EtFOSA-M



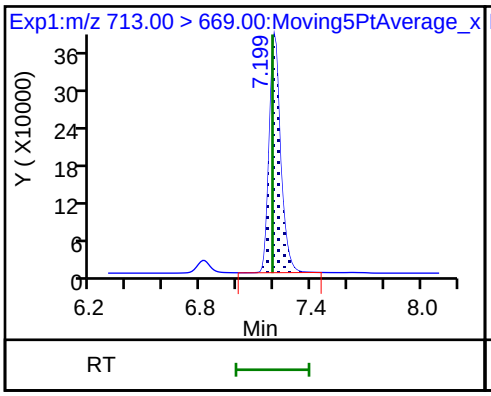
85 Perfluorotridecanoic acid



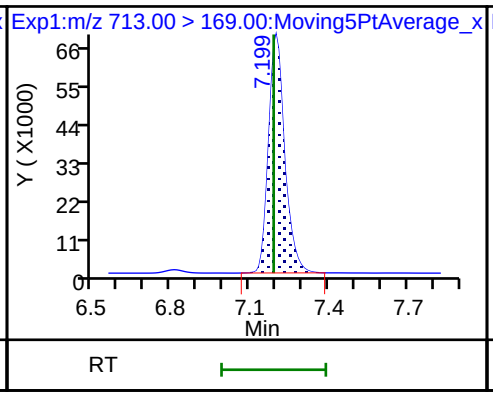
85 Perfluorotridecanoic acid



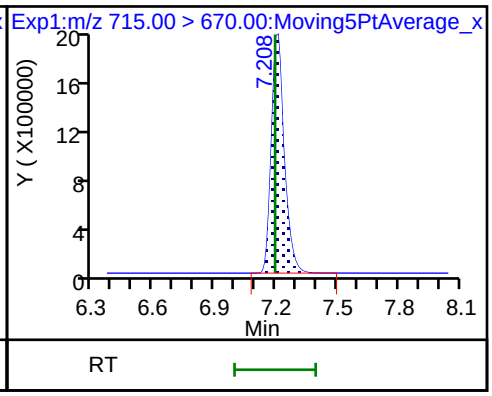
86 Perfluorotetradecanoic acid



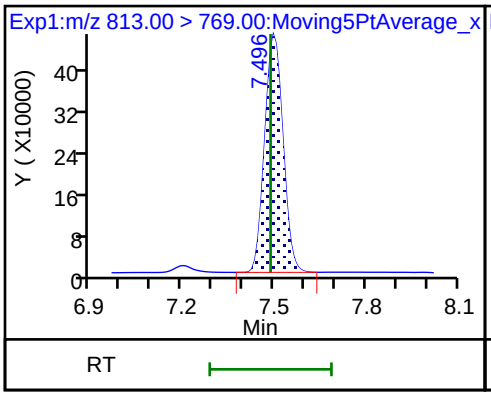
86 Perfluorotetradecanoic acid



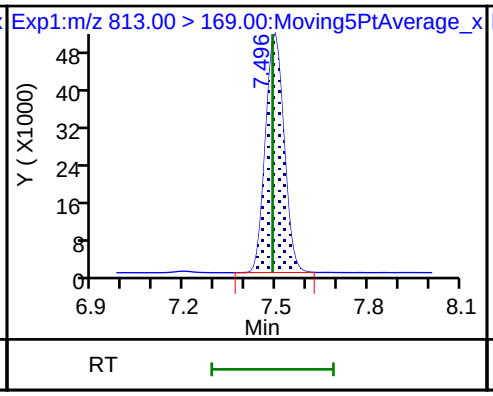
D 87 13C2 PFTeDA



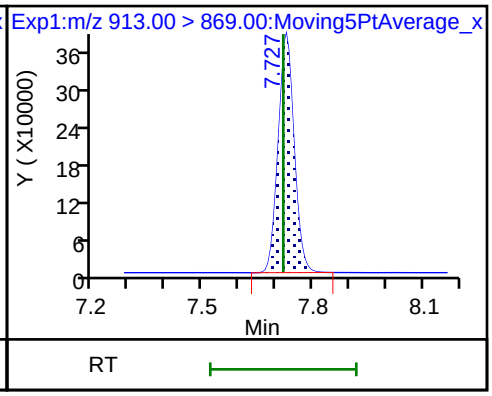
88 Perfluorohexadecanoic acid



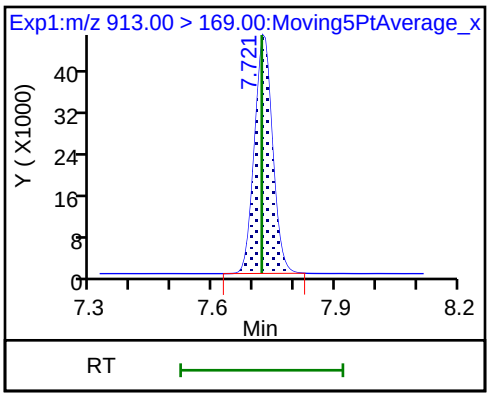
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

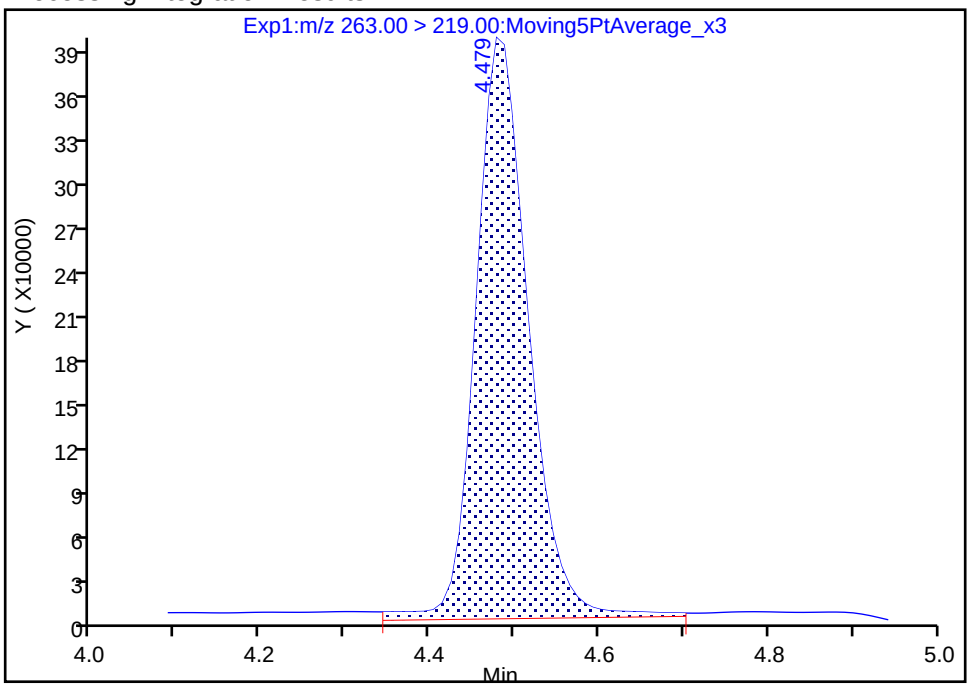
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-19.d				
Injection Date:	21-Jul-2021 23:09:54	Instrument ID:	30733		
Lims ID:	IC CAL3				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20004	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

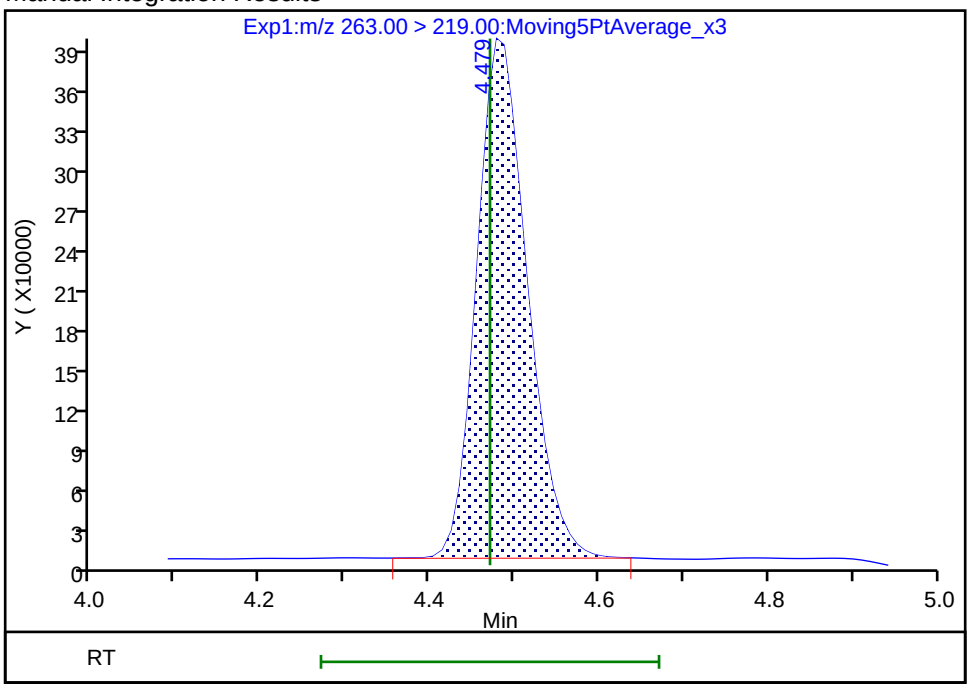
Processing Integration Results

RT: 4.48
Area: 1689934
Amount: 2.258063
Amount Units: ng/ml



Manual Integration Results

RT: 4.48
Area: 1599325
Amount: 2.138425
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:45:43

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-20.d
Lims ID: IC CAL4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Jul-2021 23:20:56 ALS Bottle#: 20005 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL4
Misc. Info.: Plate: 1 Rack: 1 410-0034894-004
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:25:15 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: chensh Date: 22-Jul-2021 07:48:37
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
2 Perfluorobutanoic acid										
213.00 > 169.00	3.940	3.938	0.002	1.000	5689243	8.11		101	22901	
* 4 13C3-PFBA										
216.00 > 172.00	3.948	3.940	0.008		3525552	5.00			24118	
D 3 13C4 PFBA										
217.00 > 172.00	3.940	3.938	0.002	0.998	8136665	10.3		103	207532	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.478	4.471	0.007	1.000	5613113	7.52		94.0	6858	
D 8 13C5 PFPeA										
268.00 > 223.00	4.478	4.475	0.003	1.134	7904250	10.8		108	241314	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.535	4.525	0.010	1.000	4909270	7.42	Target=3.13	105	8123	
299.00 > 99.00	4.525	4.525	0.0	0.998	1487462		3.30(1.57-4.70)	105	6965	
D 11 13C3 PFBS										
302.00 > 80.00	4.535	4.528	0.007	1.149	5980831	9.71		104	235443	
15 4:2 FTS										
327.00 > 307.00	4.861	4.853	0.008	1.000	1037122	6.79	Target=1.61	90.9	78194	
327.00 > 81.00	4.861	4.853	0.008	1.000	591549		1.75(0.81-2.42)	90.9	26397	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.861	4.858	0.003	0.859	425019	9.18		98.3	19198	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.900	4.891	0.009	1.000	5876334	7.91	Target=14.88	98.8	20797	
313.00 > 119.00	4.900	4.891	0.009	1.000	382238		15.37(7.44-22.32)	98.8	10572	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.900	4.898	0.002	0.866	7447732	10.1		101	235742	
D 19 13C5 PFHxA										
318.00 > 273.00	4.900	4.896	0.004	0.866	9845565	10.4		104	272872	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.921	4.911	0.010	1.085	4413791	7.19	Target=3.52	95.8	244818	
349.00 > 99.00	4.921	4.911	0.010	1.085	1209303		3.65(1.76-5.28)	95.8	53497	
21 HFPO-DA										
329.00 > 285.00	5.027	5.025	0.002	0.998	2019322	6.80		84.9	16338	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.036	5.027	0.009	0.890	950279	10.9		109	58559	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.295	5.286	0.009	1.000	8308228	8.06	Target=3.85	101	42502	
363.00 > 169.00	5.295	5.286	0.009	1.000	2051806		4.05(1.93-5.78)	101	39701	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.295	5.292	0.003	1.000	4639679	7.10	Target=3.51	97.3	1794953	
399.00 > 99.00	5.295	5.292	0.003	1.000	1324696		3.50(1.75-5.26)	97.3	530046	
D 25 13C3 PFHxS										
402.00 > 80.00	5.295	5.289	0.006	0.936	6304637	9.45		99.8	274179	
D 24 13C4 PFHpA										
367.00 > 322.00	5.295	5.292	0.003	0.936	9977638	10.3		103	308074	
27 DONA										
377.00 > 251.00	5.338	5.336	0.002	1.008	9752440	7.31		96.8	99946	
34 6:2 FTS										
427.00 > 407.00	5.640	5.638	0.002	0.998	960604	7.84	Target=1.43	103	44254	
427.00 > 81.00	5.640	5.638	0.002	0.998	665078		1.44(0.72-2.15)	103	39195	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.649	5.642	0.007	1.067	4527347	7.62	Target=3.86	100	152605	
449.00 > 99.00	5.649	5.642	0.007	1.067	1231992		3.67(1.93-5.79)	100	72511	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.649	5.640	0.009	0.998	247108	9.63		101	19029	
$ 39 13C4 PFOA										
417.00 > 372.00	5.659	5.656	0.003	1.000	10560398	10.9		109	347489	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.668	5.659	0.009	1.002	6496843	7.82	Target=2.48	97.8	139505	
413.00 > 169.00	5.659	5.659	0.0	1.000	2520021		2.58(1.24-3.72)	97.8	146568	
D 37 13C8 PFOA										
421.00 > 376.00	5.659	5.656	0.003	1.000	11113537	10.6		106	284641	
* 38 13C2 PFOA										
415.00 > 370.00	5.659	5.656	0.003		3855471	5.00			148190	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.980	5.977	0.003	1.000	4824237	6.63	Target=4.45	89.5	459146	
499.00 > 99.00	5.980	5.977	0.003	1.000	1105278		4.36(2.23-6.68)	89.5	2692	
* 42 13C4 PFOS										
503.00 > 80.00	5.980	5.977	0.003		2930759	4.78			72440	
D 41 13C8 PFOS										
507.00 > 80.00	5.980	5.975	0.005	1.000	6368412	10.1		105	60116	
44 Perfluorononanoic acid										
463.00 > 419.00	5.997	5.990	0.007	1.000	6091113	7.58	Target=4.83	94.7	47605	
463.00 > 169.00	5.989	5.990	-0.001	0.999	1270624		4.79(2.42-7.25)	94.7	51343	
D 45 13C9 PFNA										
472.00 > 427.00	5.997	5.994	0.003	1.003	9335267	10.6		106	377713	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.147	6.147	0.0	1.028	9028348	6.95		93.5	190732	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.270	0.002	1.049	4985012	7.46	Target=4.19	97.1	177300	
549.00 > 99.00	6.272	6.270	0.002	1.049	1190044		4.19(2.09-6.28)	97.1	59181	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.298	6.294	0.004	1.000	7474281	8.06	Target=10.20	101	82182	
513.00 > 169.00	6.298	6.294	0.004	1.000	719496		10.39(5.10-15.29)	101	42911	
56 8:2 FTS										
527.00 > 507.00	6.298	6.298	0.0	0.999	1010626	7.58	Target=1.44	99.0	48099	
527.00 > 81.00	6.298	6.298	0.0	0.999	710545		1.42(0.72-2.16)	99.0	33986	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.298	0.0		5362138	5.00			213313	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.298	0.0	1.000	10618816	10.4		104	362710	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.306	6.303	0.003	1.001	181698	10.4		109	14192	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.386	6.386	0.0	0.998	8329394	8.01		100	177735	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.392	0.005	1.016	10499114	10.4		104	172262	
60 NMeFOSAA										M
570.00 > 419.00	6.449	6.446	0.003	1.000	1314652	8.32	Target=1.62	104	72730	M
570.00 > 483.00	6.449	6.446	0.003	1.000	781834		1.68(0.81-2.44)	104	1714	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.449	6.443	0.006	1.024	1769052	9.56		95.6	47498	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.532	6.532	0.0	1.092	5077400	6.77	Target=4.24	87.7	171613	
599.00 > 99.00	6.532	6.532	0.0	1.092	1192525		4.26(2.12-6.36)	87.7	41164	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.567	6.567	0.0	1.160	9233901	10.3		103	366858	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.567	6.564	0.003	1.000	6686953	8.34	Target=8.77	104	39421	
563.00 > 169.00	6.567	6.564	0.003	1.000	738268		9.06(4.39-13.16)	104	36551	
D 65 13C7 PFUnA										
570.00 > 525.00	6.567	6.567	0.0	1.043	9706397	10.0		100.0	276483	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.578	6.579	-0.001	1.045	1391409	9.74		97.4	21122	
67 NEtFOSAA										
584.00 > 419.00	6.590	6.592	-0.002	1.002	1041280	7.83	Target=1.47	97.9	62240	
584.00 > 526.00	6.590	6.592	-0.002	1.002	711390		1.46(0.74-2.21)	97.9	269866	
69 11ClFOS										
631.00 > 451.00	6.679	6.673	0.006	1.117	7255289	6.95		93.4	251428	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.806	6.802	0.004	1.000	6074466	8.12	Target=5.09	102	69955	
613.00 > 169.00	6.806	6.802	0.004	1.000	1123624		5.41(2.54-7.63)	102	23140	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.806	6.805	0.001	1.081	7460320	10.0		100	257971	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.826	6.822	0.004	1.084	1984495	10.1		101	8048	
75 10:2 FTS										
627.00 > 607.00	6.826	6.820	0.006	1.082	633086	6.62	Target=0.84	85.9	44844	
627.00 > 81.00	6.816	6.820	-0.004	1.081	754895		0.84(0.42-1.26)	85.9	39746	
77 N-MeFOSE-M										
616.00 > 59.00	6.836	6.828	0.008	1.001	1517900	7.28		91.0	18976	
78 NMeFOSA										
512.00 > 169.00	6.847	6.842	0.005	1.000	962126	7.79		97.4	29720	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.847	6.842	0.005	1.087	1235276	9.86		98.6	33658	
80 PFDoS										
699.00 > 80.00	6.982	6.978	0.004	1.167	5523280	7.76		100	141359	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.991	6.982	0.009	1.110	2230492	10.5		105	13315	
82 N-EtFOSE-M										
630.00 > 59.00	7.000	6.991	0.009	1.001	1826188	7.51		93.9	36765	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.011	7.004	0.007	1.113	1160642	9.66		96.6	28627	
84 N-EtFOSA-M										
526.00 > 169.00	7.011	7.008	0.003	1.000	956489	7.71		96.3	26334	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.011	7.008	0.003	1.030	4579024	7.76	Target=4.59	97.0	18257	
663.00 > 169.00	7.011	7.008	0.003	1.030	992531		4.61(2.29-6.88)	97.0	31642	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.198	7.189	0.009	1.000	5314885	7.96	Target=5.25	99.6	18850	
713.00 > 169.00	7.198	7.189	0.009	1.000	1042270		5.10(2.62-7.87)	99.6	40644	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.198	7.193	0.005	1.143	7917094	10.1		101	261754	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.495	7.487	0.008	1.041	6707684	7.88	Target=8.75	98.5	20963	
813.00 > 169.00	7.495	7.487	0.008	1.041	758748		8.84(4.38-13.13)	98.5	36117	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.726	7.719	0.007	1.073	4128941	8.09	Target=8.07	101	81314	
913.00 > 169.00	7.726	7.719	0.007	1.073	520807		7.93(4.04-12.11)	101	42927	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFC_STD_MOD4_00022 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:25:16 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-20.d

Injection Date: 21-Jul-2021 23:20:56 Instrument ID: 30733

Lims ID: IC CAL4

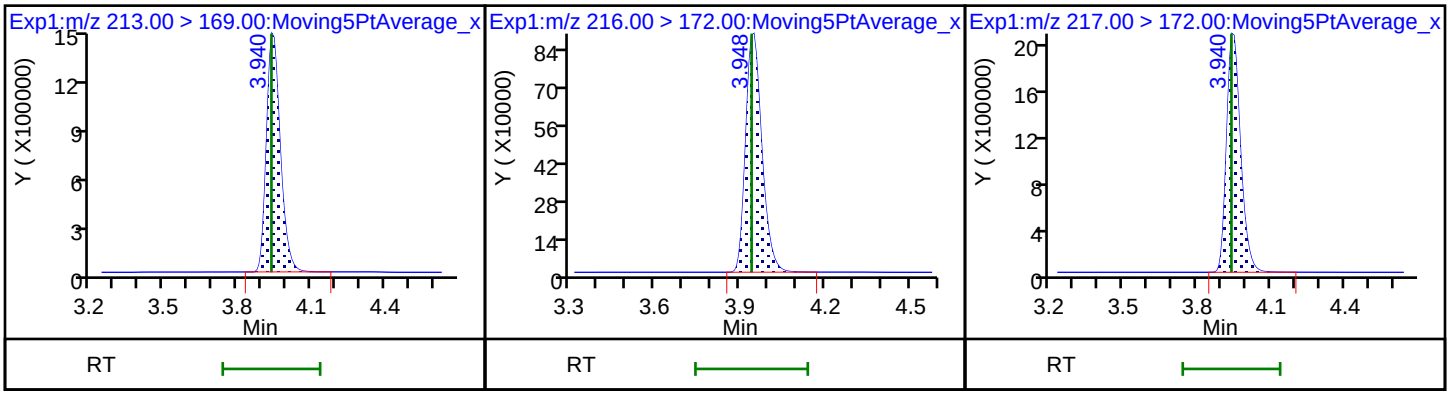
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20005 Worklist Smp#: 4

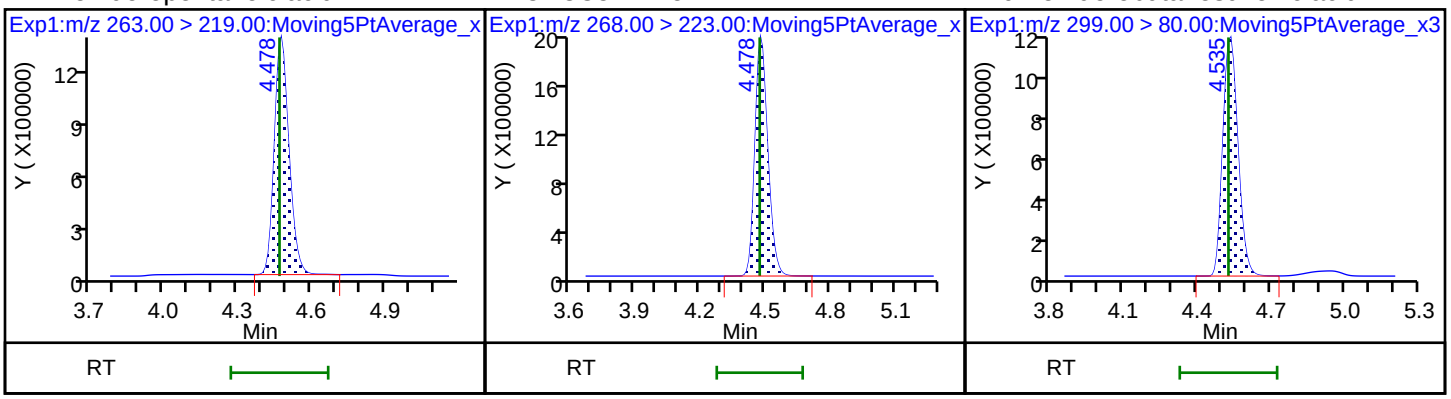
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

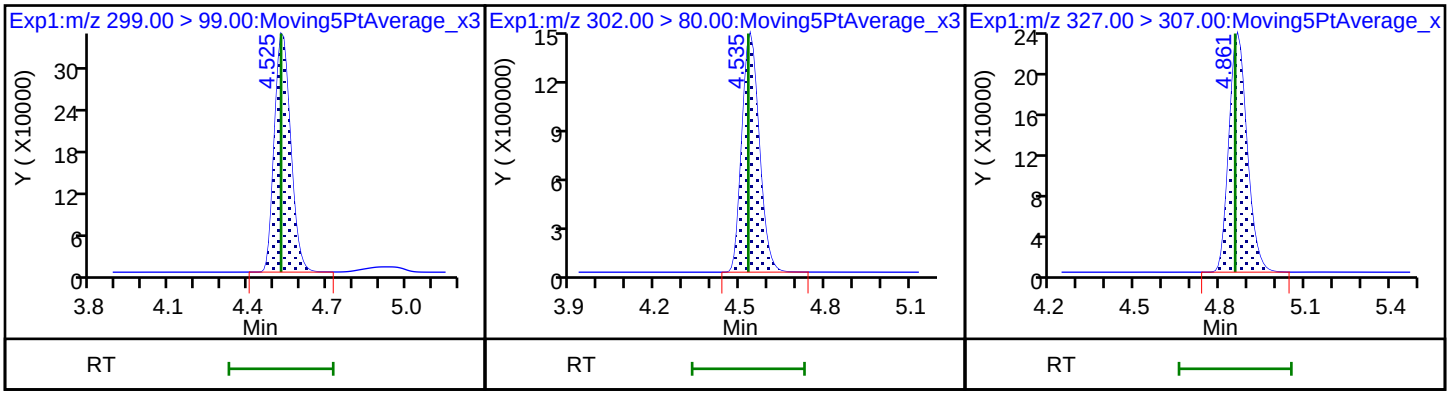
2 Perfluorobutanoic acid * 4 13C3-PFBA D 3 13C4 PFBA



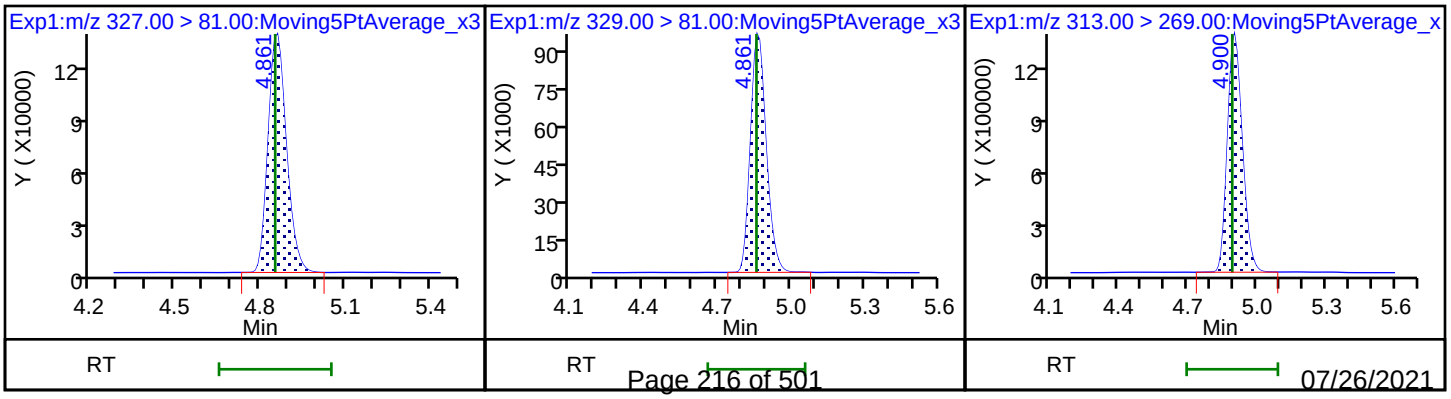
7 Perfluoropentanoic acid D 8 13C5 PFPeA 10 Perfluorobutanesulfonic acid



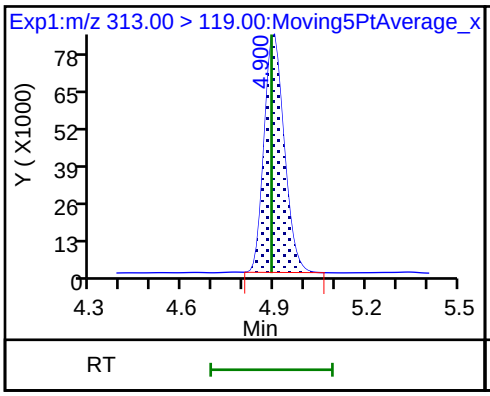
10 Perfluorobutanesulfonic acid D 11 13C3 PFBS 15 4:2 FTS



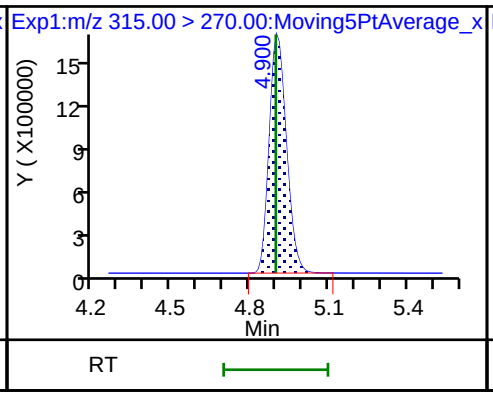
15 4:2 FTS D 16 M2-4:2 FTS 17 Perfluorohexanoic acid



17 Perfluorohexanoic acid



$ 18 13C2 PFHxA



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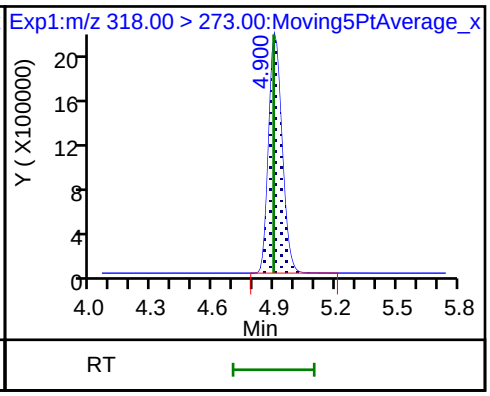
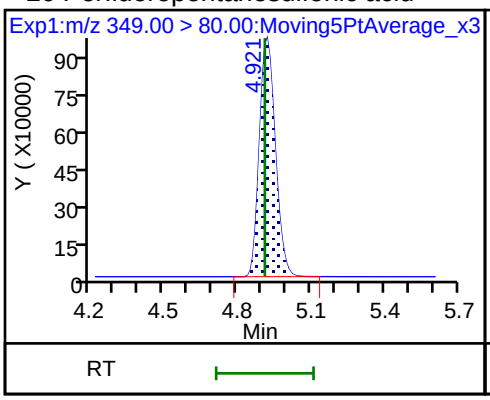


20 Perfluoropentanesulfonic acid



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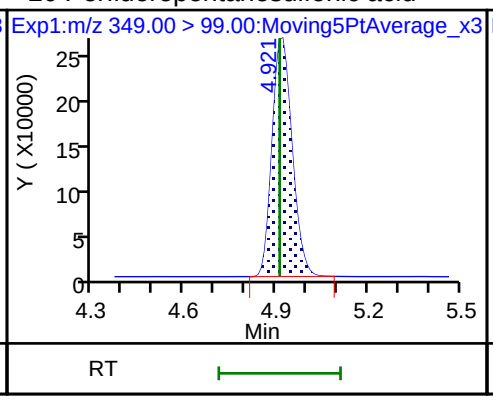
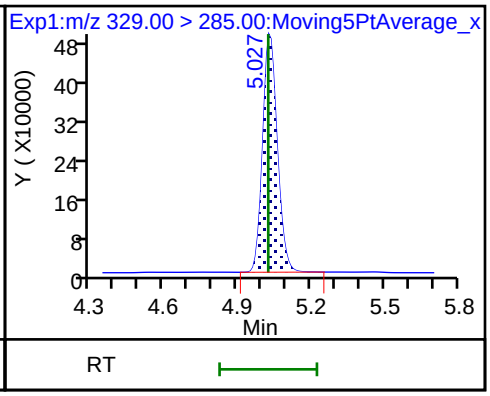
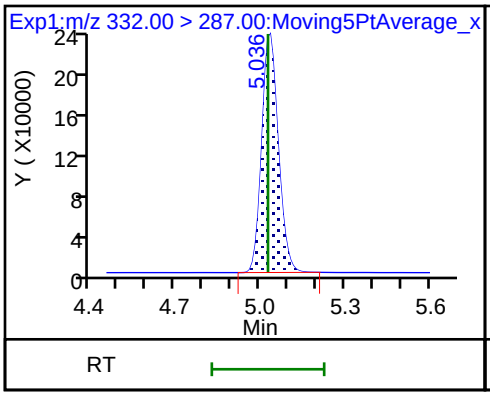


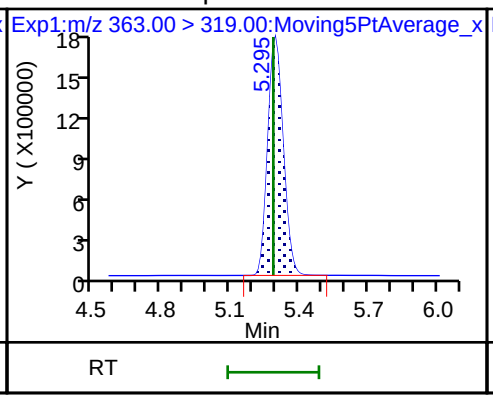
21 HFPO-DA



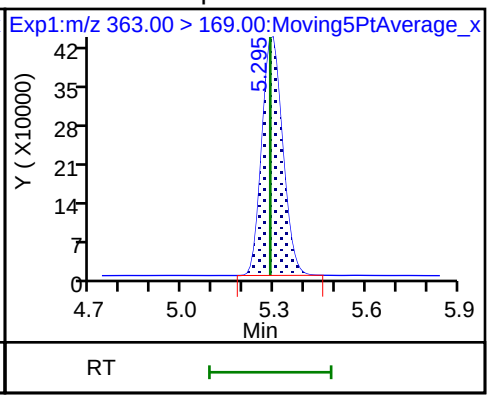
D 22 13C3 HFPO-DA



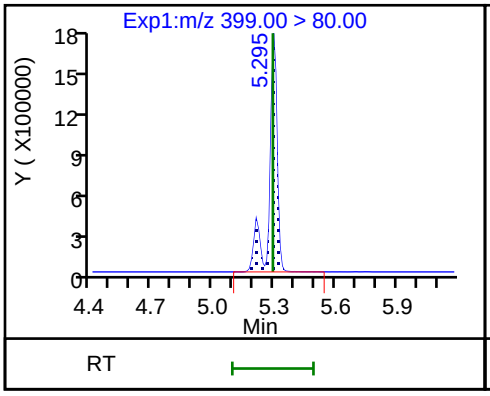
23 Perfluoroheptanoic acid



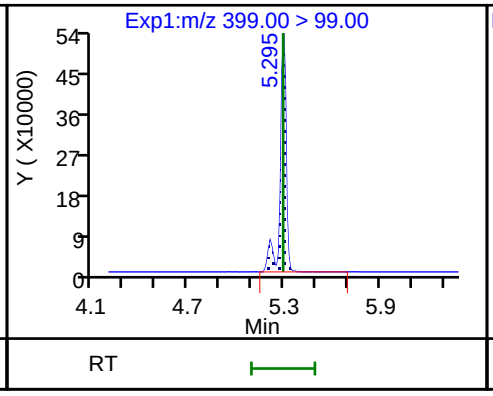
23 Perfluoroheptanoic acid



26 Perfluorohexanesulfonic acid



26 Perfluorohexanesulfonic acid



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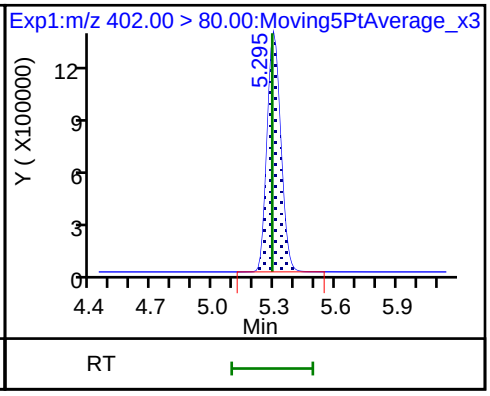

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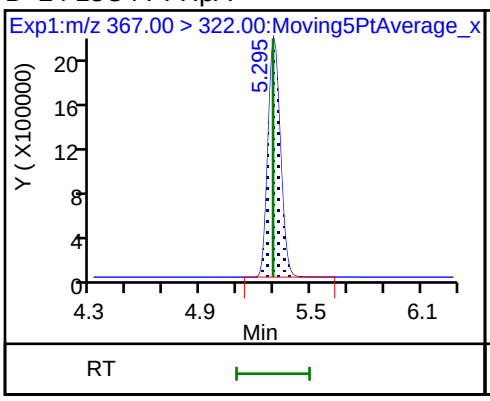
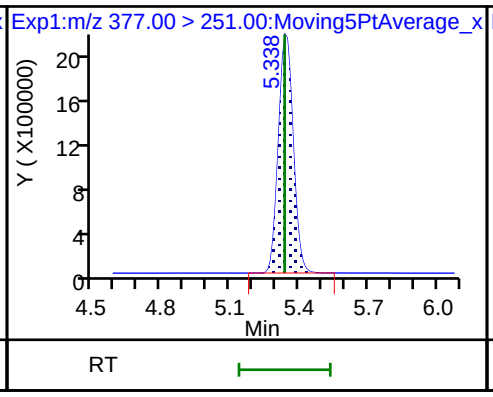
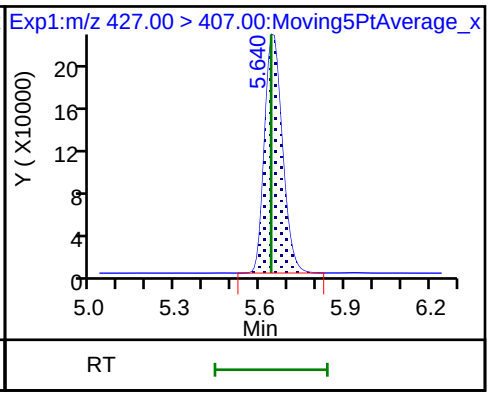


27 DONA



34 6:2 FTS



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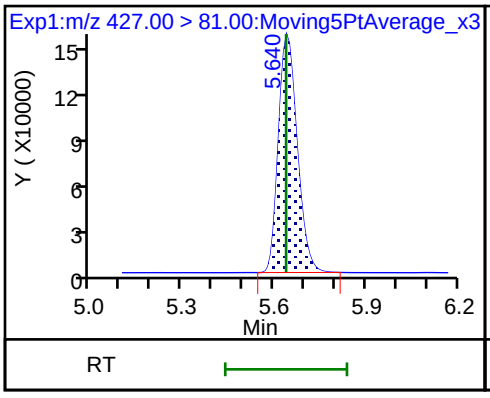
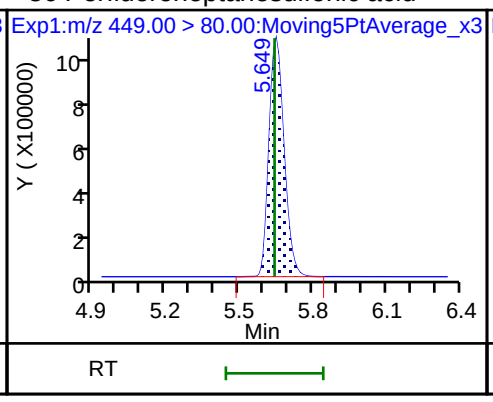
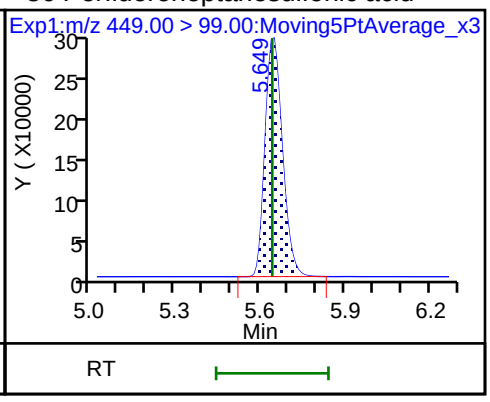


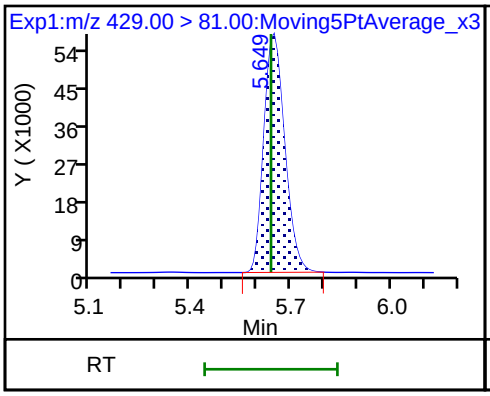
36 Perfluoroheptanesulfonic acid



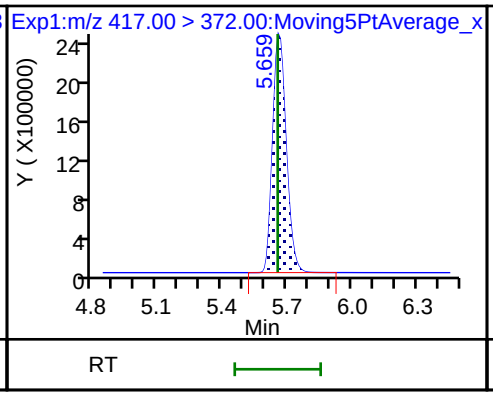
36 Perfluoroheptanesulfonic acid



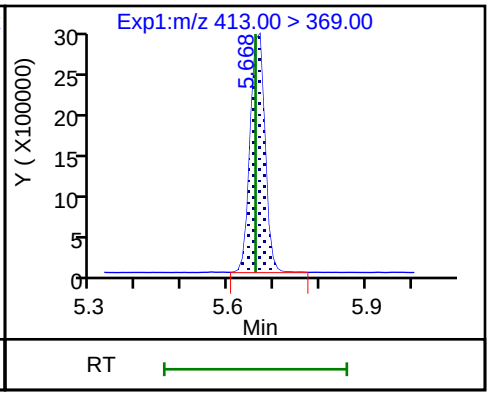
D 35 M2-6:2 FTS



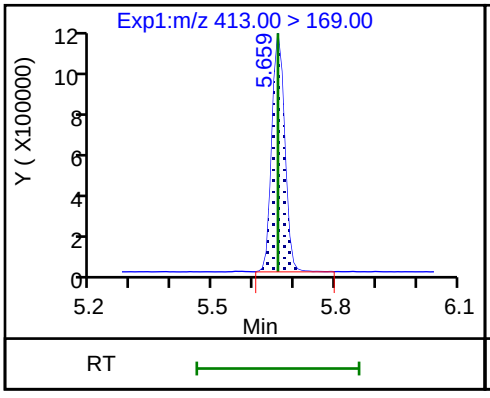
$ 39 13C4 PFOA



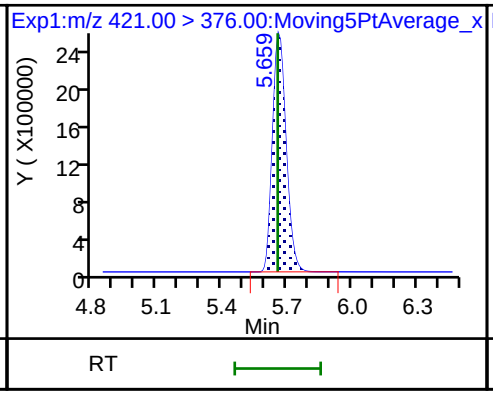
40 Perfluorooctanoic acid



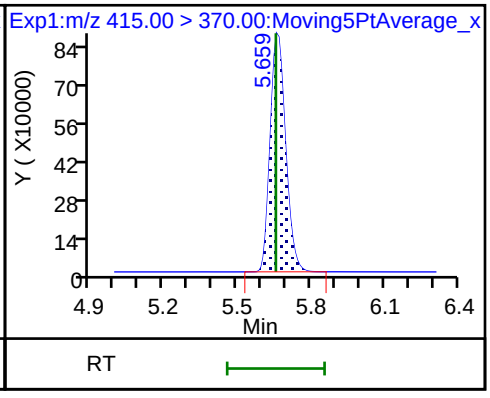
40 Perfluorooctanoic acid



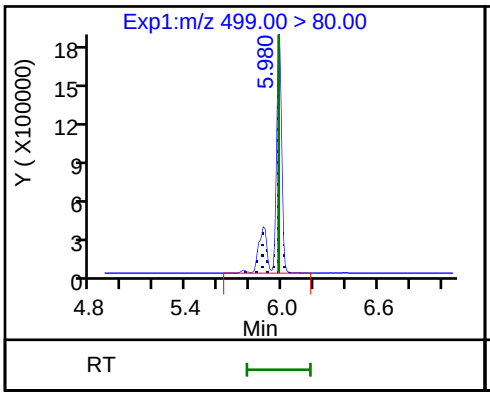
D 37 13C8 PFOA



* 38 13C2 PFOA



43 Perfluorooctanesulfonic acid



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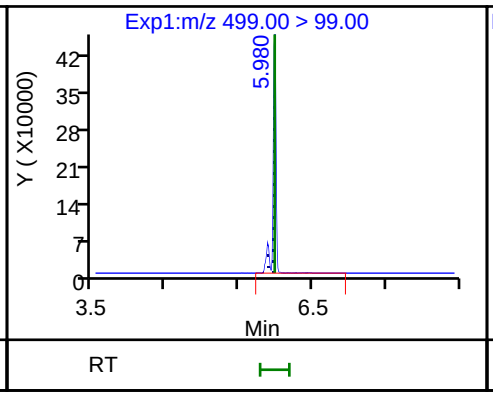
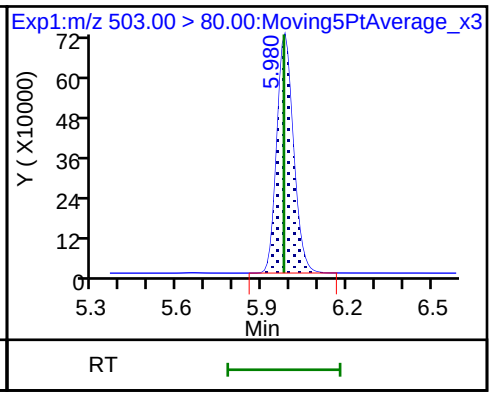


* 42 13C4 PFOS



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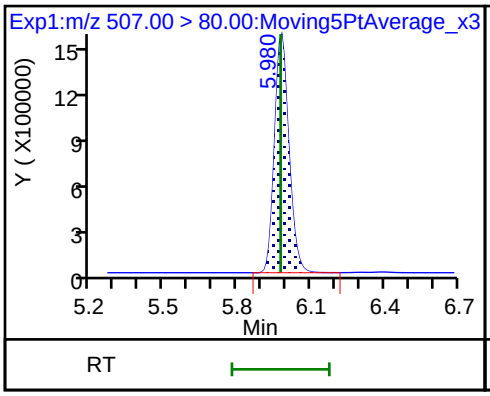
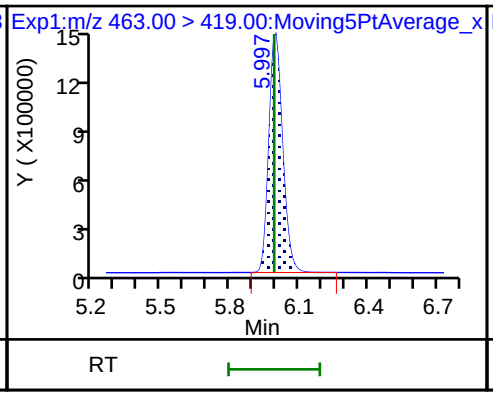
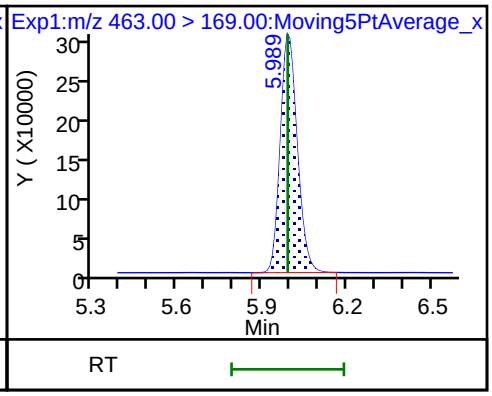


44 Perfluorononanoic acid



44 Perfluorononanoic acid



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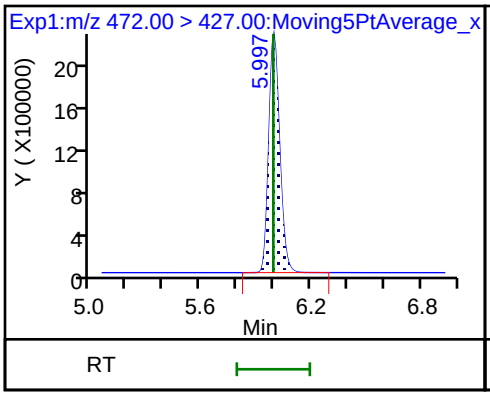
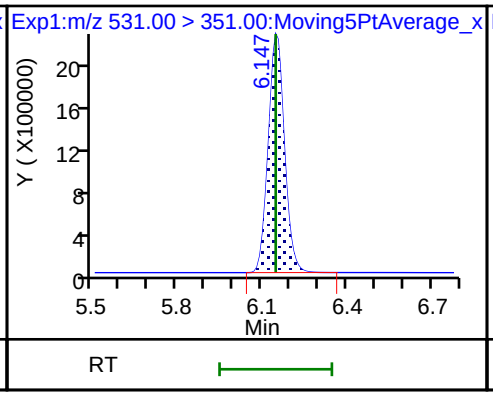
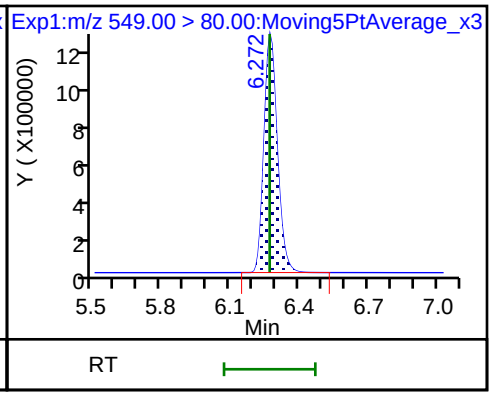


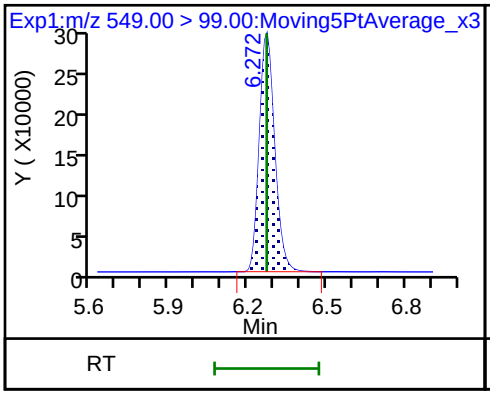
51 9ClFOS



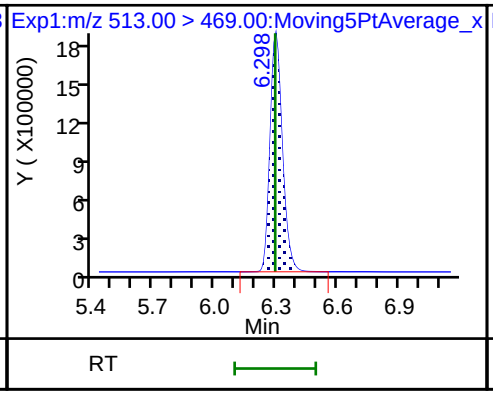
52 Perfluorononanesulfonic acid



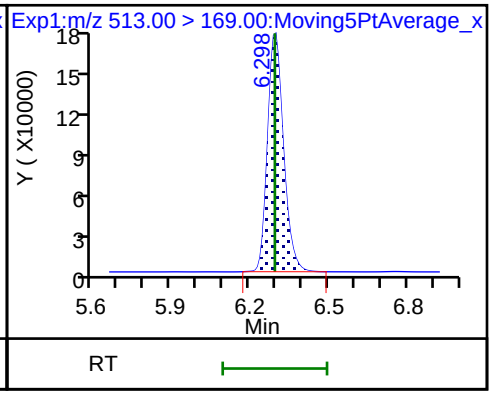
52 Perfluorononanesulfonic acid



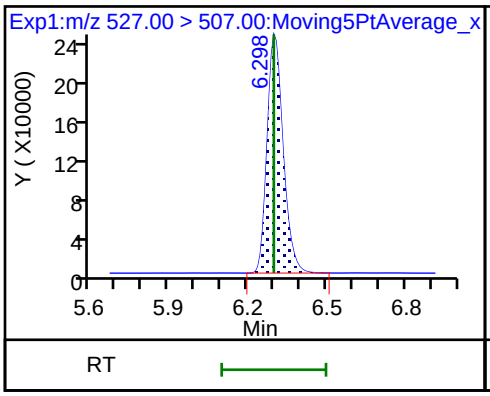
53 Perfluorodecanoic acid



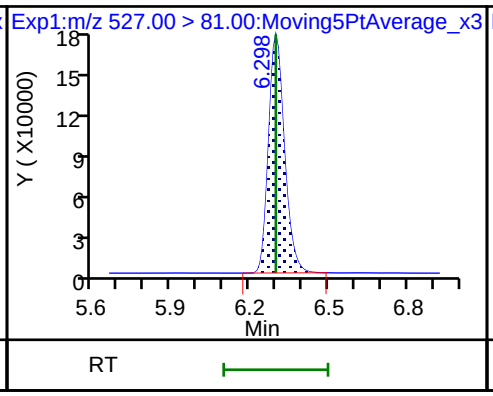
53 Perfluorodecanoic acid



56 8:2 FTS



56 8:2 FTS



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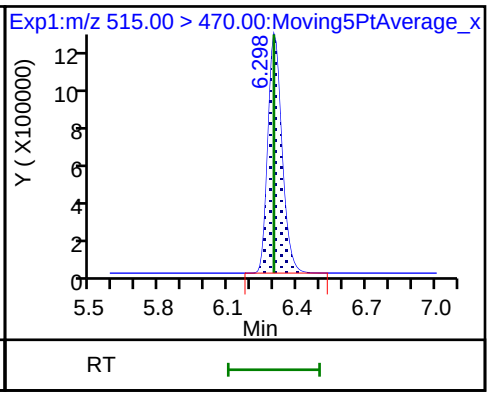

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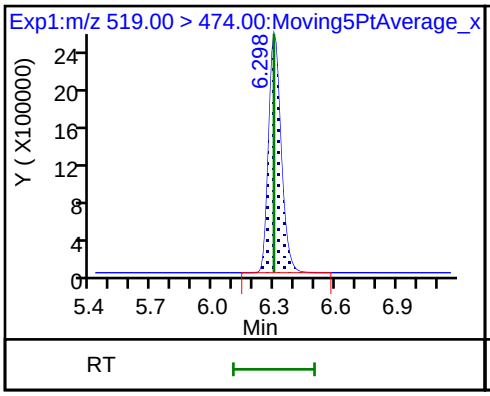
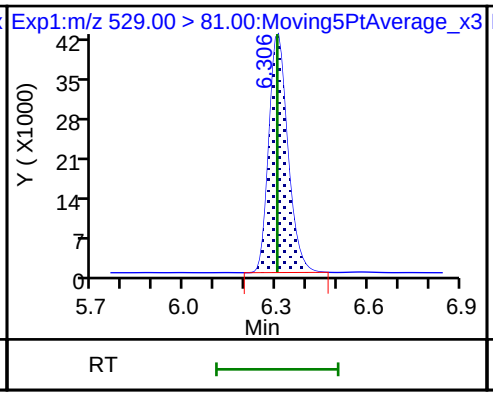
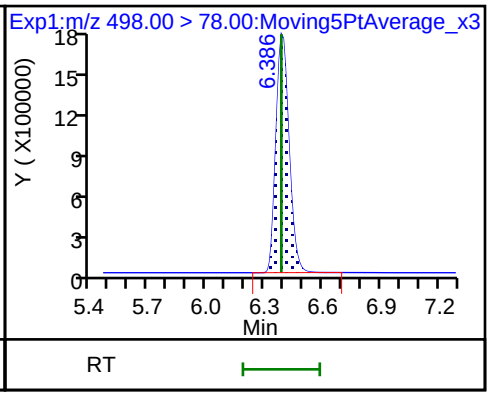


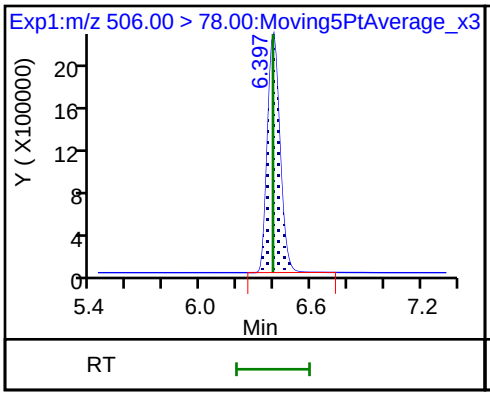
D 57 M2-8:2 FTS



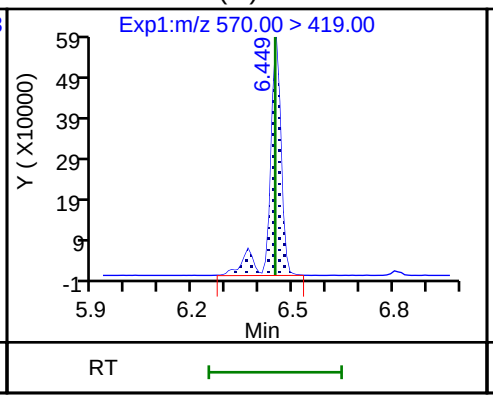
58 Perfluorooctanesulfonamide



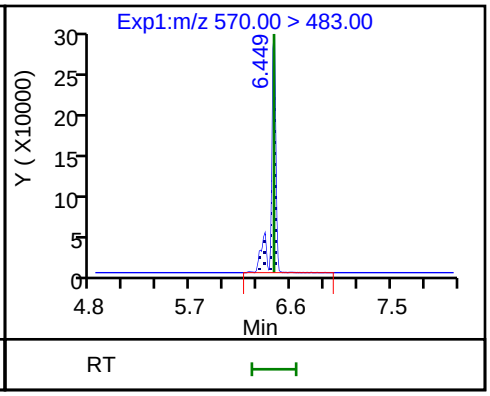
D 59 13C8 FOSA



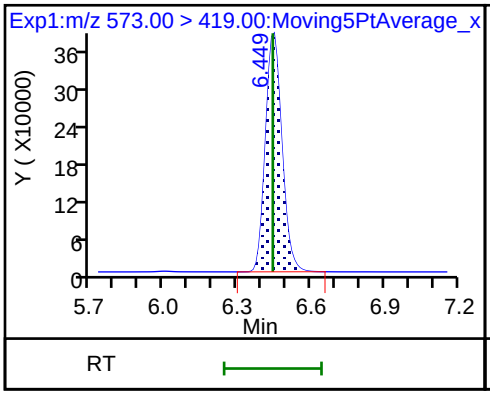
60 NMeFOSAA (M)



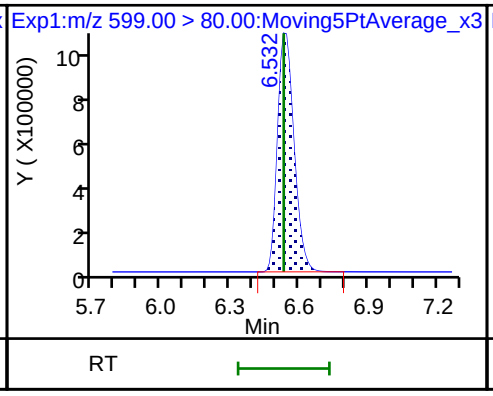
60 NMeFOSAA



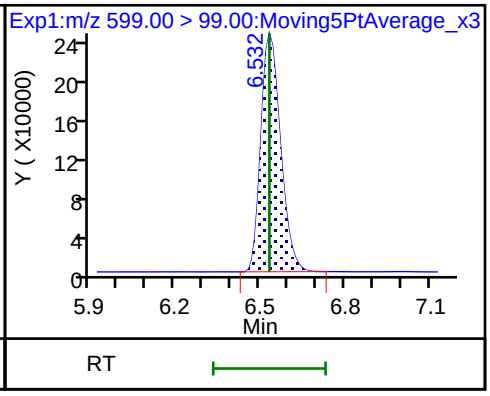
D 61 d3-NMeFOSAA



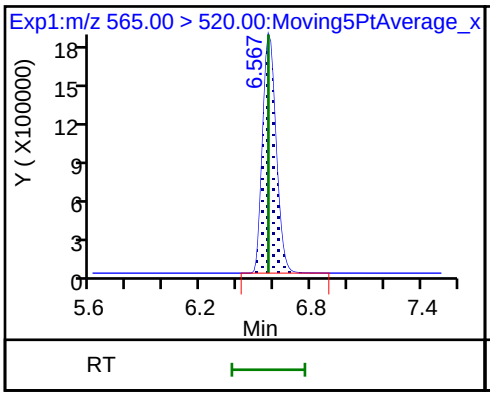
62 Perfluorodecanesulfonic acid



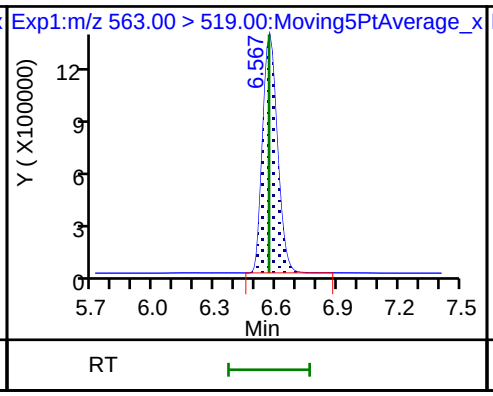
62 Perfluorodecanesulfonic acid



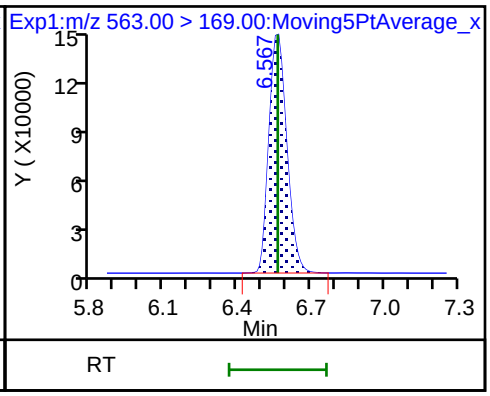
$ 64 13C2 PFUnA



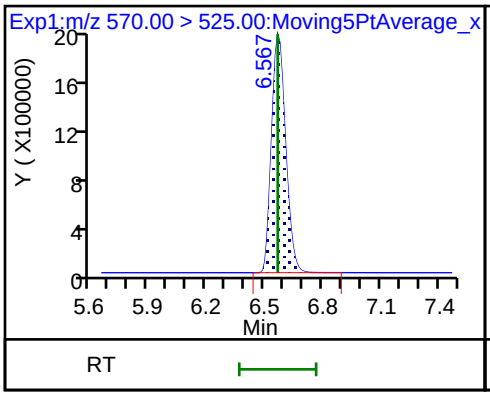
63 Perfluoroundecanoic acid



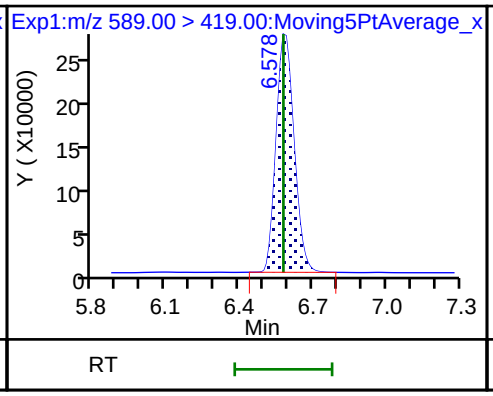
63 Perfluoroundecanoic acid



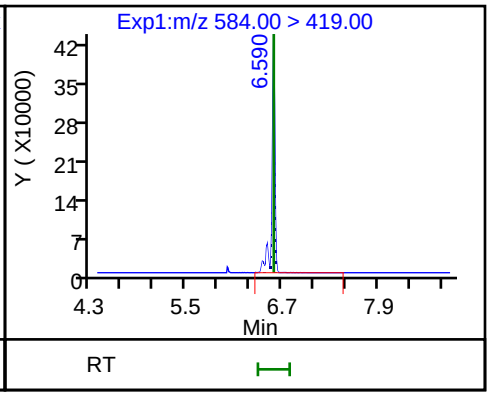
D 65 13C7 PFUnA



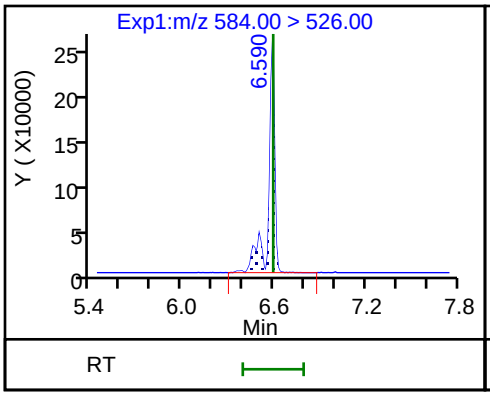
D 66 d5-NEtFOSAA



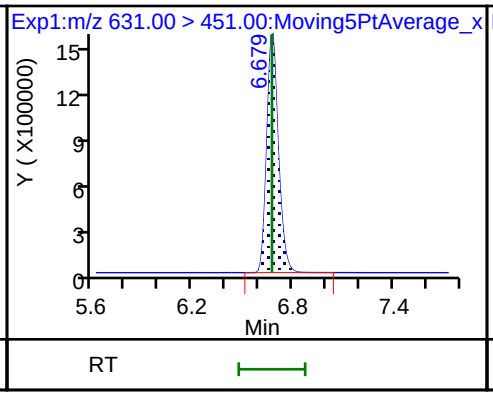
67 NEtFOSAA



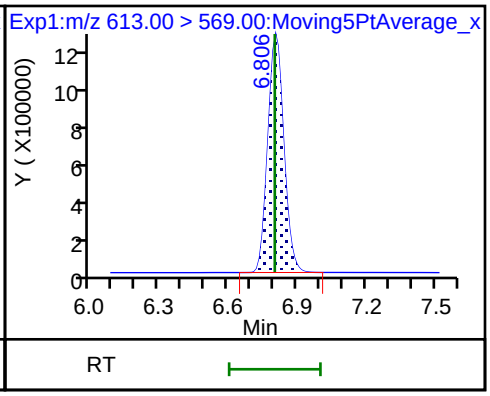
67 NEtFOSAA



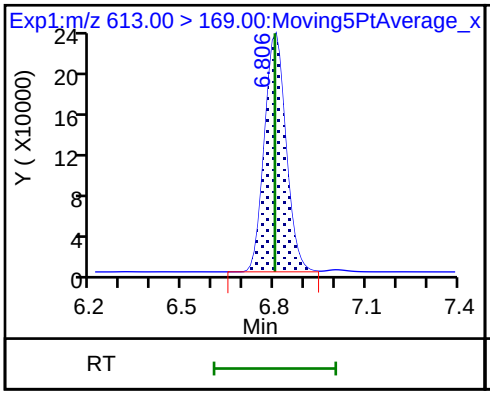
69 11ClFOS



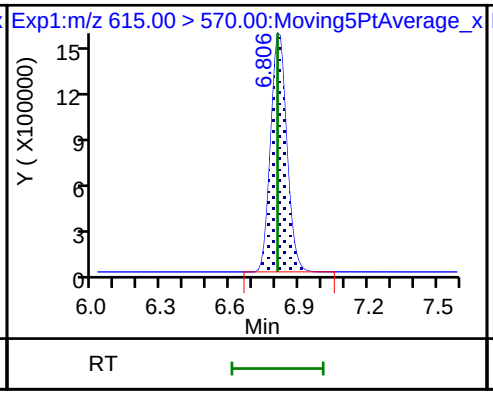
73 Perfluorododecanoic acid



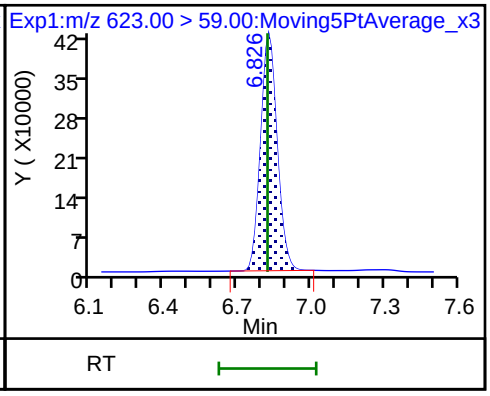
73 Perfluorododecanoic acid



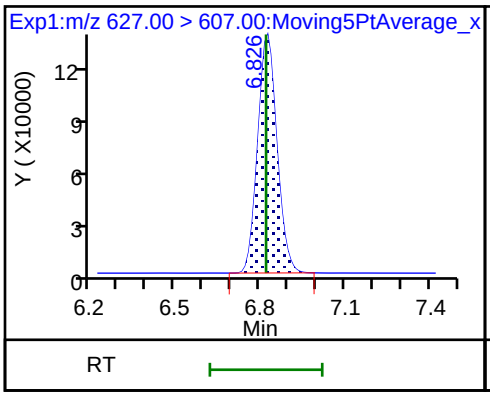
D 74 13C2-PFDoDA



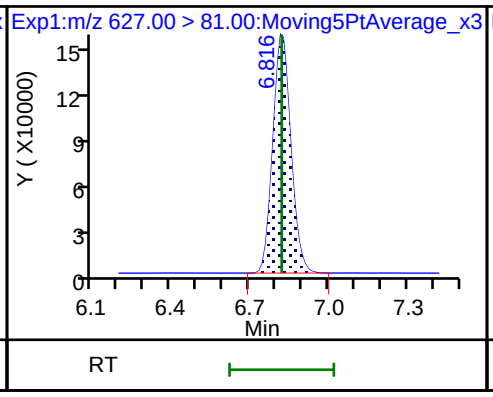
D 76 d7-N-MeFOSE-M



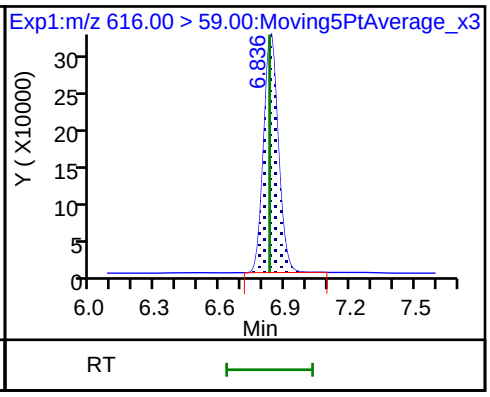
75 10:2 FTS



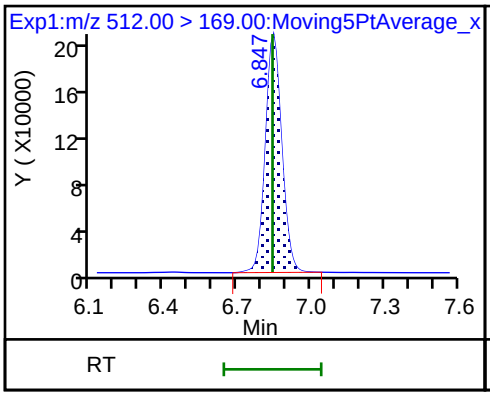
75 10:2 FTS



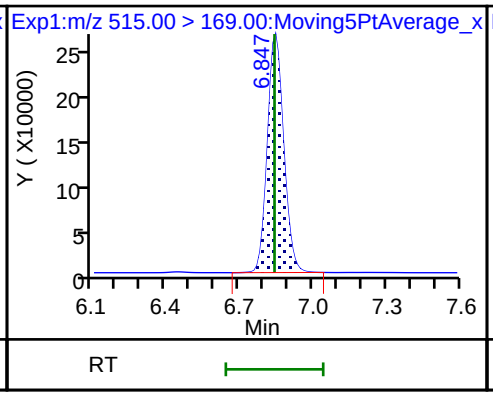
77 N-MeFOSE-M



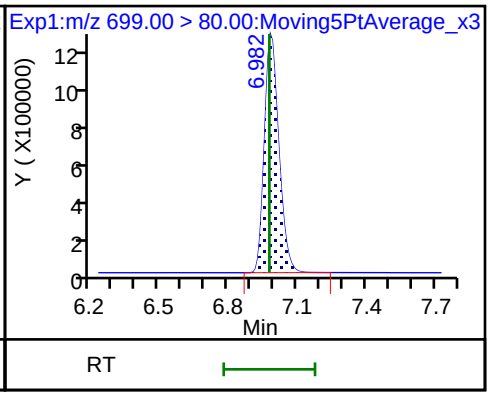
78 NMeFOSA



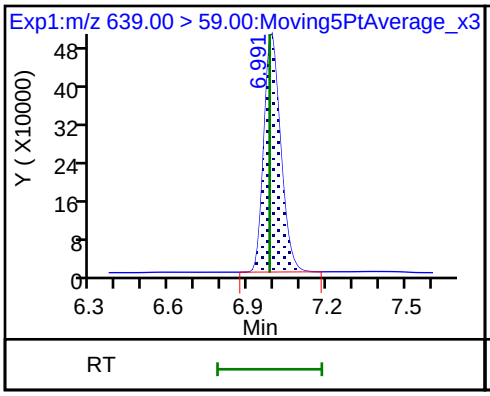
D 79 d3-NMePFOSA



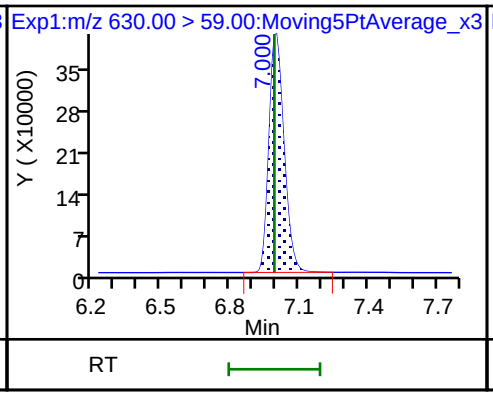
80 PFDoS



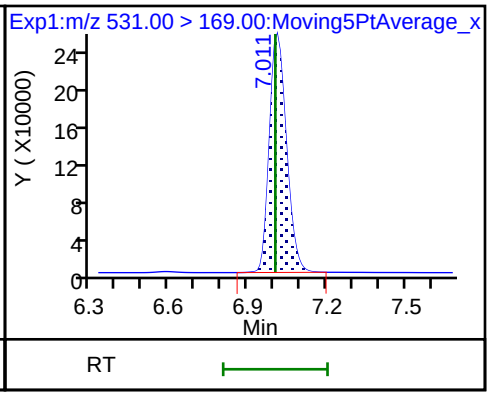
D 81 d9-N-EtFOSE-M



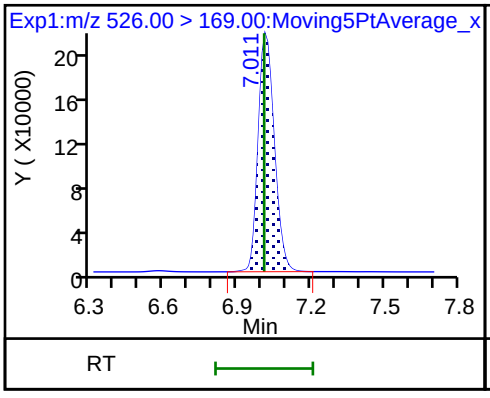
82 N-EtFOSE-M



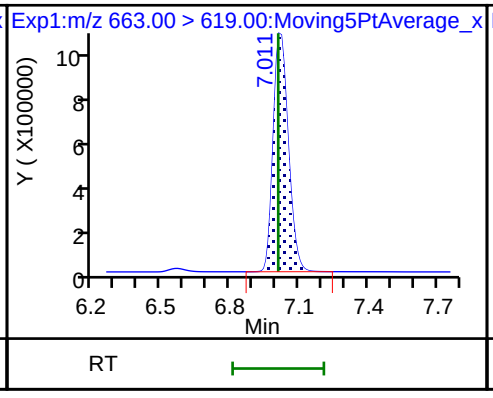
D 83 d5-NEtPFOSA



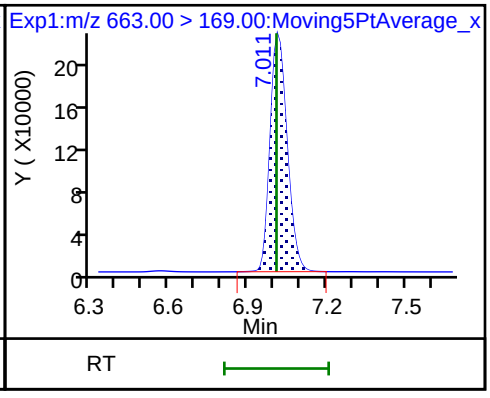
84 N-EtFOSA-M



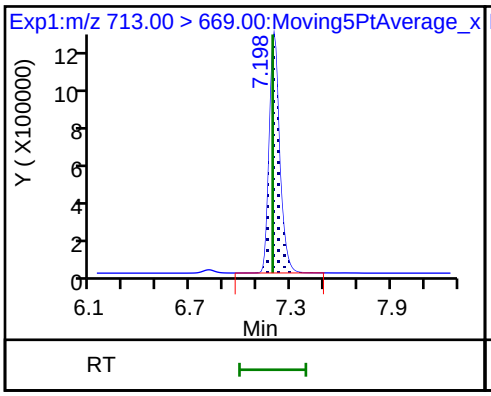
85 Perfluorotridecanoic acid



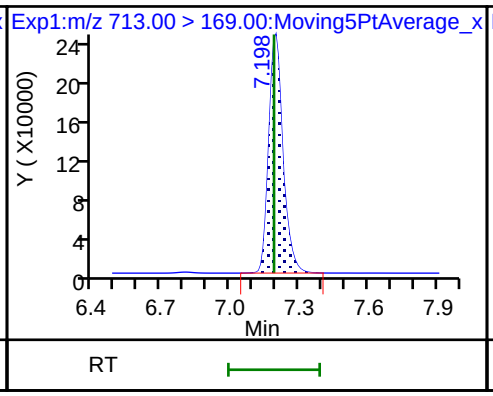
85 Perfluorotridecanoic acid



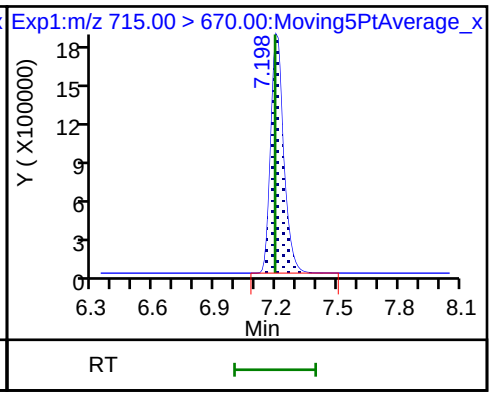
86 Perfluorotetradecanoic acid



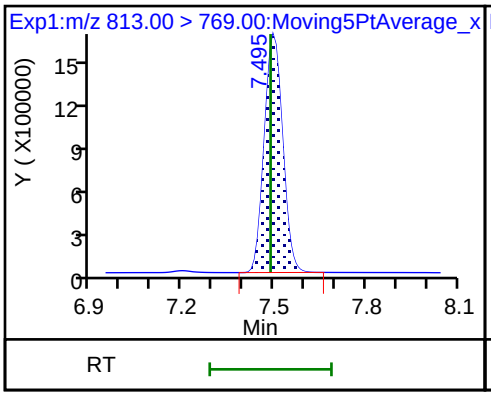
86 Perfluorotetradecanoic acid



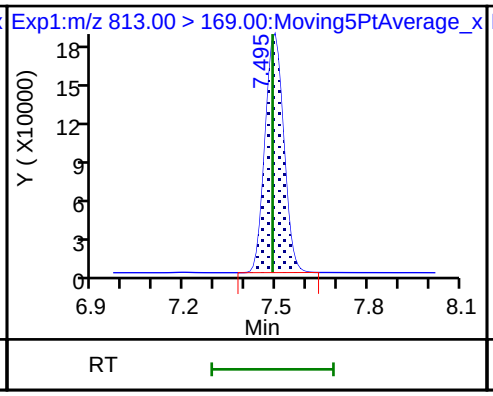
D 87 13C2 PFTeDA



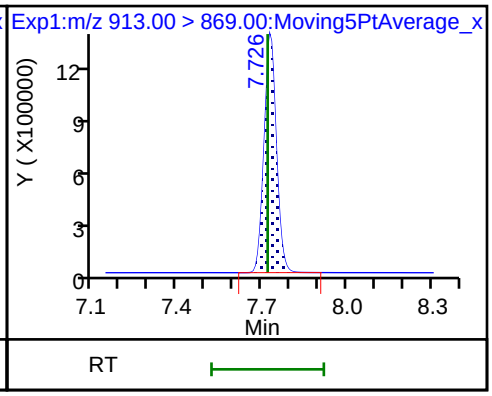
88 Perfluorohexadecanoic acid



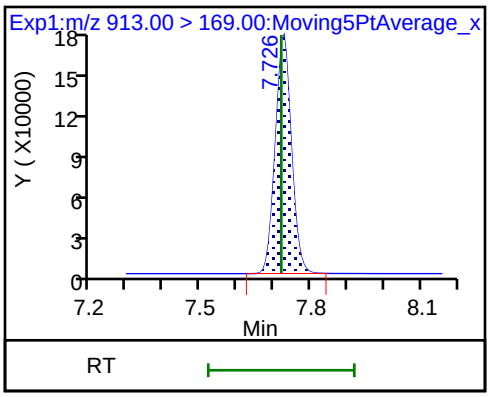
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Env, LLC

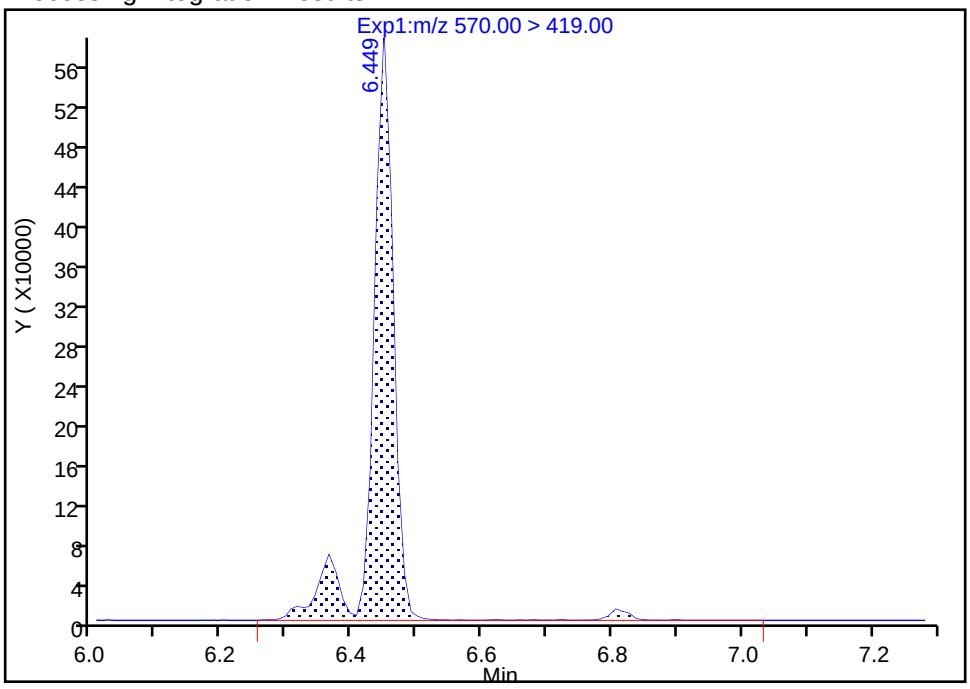
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-20.d				
Injection Date:	21-Jul-2021 23:20:56	Instrument ID:	30733		
Lims ID:	IC CAL4				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20005	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

60 NMeFOSAA, CAS: 2355-31-9

Signal: 1

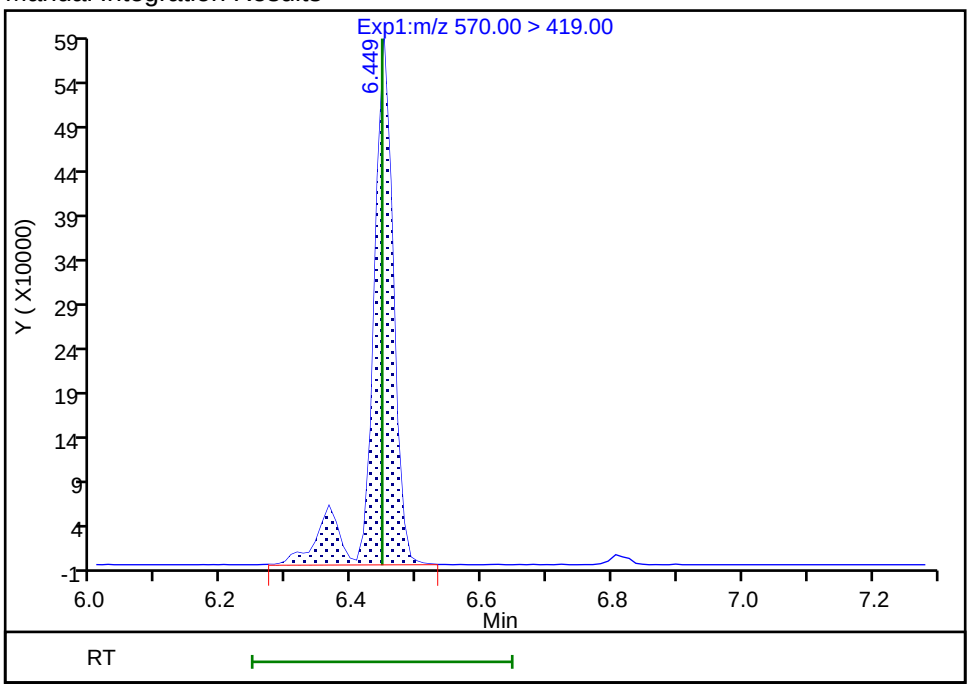
Processing Integration Results

RT: 6.45
Area: 1335483
Amount: 8.445471
Amount Units: ng/ml



Manual Integration Results

RT: 6.45
Area: 1314652
Amount: 8.319803
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:48:11
Audit Action: Manually Integrated Audit Reason: Isomers

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-21.d
Lims ID: ICISAV CAL5
Client ID:
Sample Type: ICISAV Calib Level: 5
Inject. Date: 21-Jul-2021 23:32:01 ALS Bottle#: 20006 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: ICISAV CAL5
Misc. Info.: Plate: 1 Rack: 1 410-0034894-005
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:25:30 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: kruelleh Date: 22-Jul-2021 06:52:51
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
2 Perfluorobutanoic acid										
213.00 > 169.00	3.932	3.938	-0.006	1.000	14804195	21.3		107	64585	
D 3 13C4 PFBA										
217.00 > 172.00	3.932	3.938	-0.006	1.000	8057254	9.68		96.8	210646	
* 4 13C3-PFBA										
216.00 > 172.00	3.932	3.940	-0.008		3704466	5.00			25432	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.461	4.471	-0.010	0.998	14487009	21.4		107	19106	
D 8 13C5 PFPeA										
268.00 > 223.00	4.469	4.475	-0.006	1.137	7176370	9.32		93.2	192560	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.516	4.525	-0.009	0.998	11396914	17.8	Target=3.13	101	17166	
299.00 > 99.00	4.516	4.525	-0.009	0.998	3721852		3.06(1.57-4.70)	101	15981	
D 11 13C3 PFBS										
302.00 > 80.00	4.525	4.528	-0.003	1.151	5784544	8.94		96.1	225156	
15 4:2 FTS										
327.00 > 307.00	4.842	4.853	-0.011	0.998	2863280	19.4	Target=1.61	104	129367	
327.00 > 81.00	4.842	4.853	-0.011	0.998	1604542		1.78(0.81-2.42)	104	60494	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.851	4.858	-0.007	0.859	411474	8.97		96.0	18680	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.881	4.891	-0.010	0.998	14945684	21.9	Target=14.88	110	70289	
313.00 > 119.00	4.881	4.891	-0.010	0.998	986678		15.15(7.44-22.32)	110	27494	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.890	4.898	-0.008	0.866	7203378	9.86		98.6	228827	
D 19 13C5 PFHxA										
318.00 > 273.00	4.890	4.896	-0.006	0.866	9029737	9.62		96.2	222144	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.900	4.911	-0.011	1.083	12295158	20.7	Target=3.52	110	454456	
349.00 > 99.00	4.900	4.911	-0.011	1.083	3291993		3.73(1.76-5.28)	110	147698	
21 HFPO-DA										
329.00 > 285.00	5.019	5.025	-0.006	1.000	5006390	19.0		95.2	42753	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.019	5.027	-0.008	0.888	841134	9.73		97.3	50185	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.274	5.286	-0.012	0.998	20369496	20.6	Target=3.85	103	123401	
363.00 > 169.00	5.274	5.286	-0.012	0.998	5328074		3.82(1.93-5.78)	103	113444	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.285	5.292	-0.007	1.002	12074313	18.3	Target=3.51	100	2372309	
399.00 > 99.00	5.274	5.292	-0.018	1.000	3452439		3.50(1.75-5.26)	100	9838	
D 25 13C3 PFHxS										
402.00 > 80.00	5.274	5.289	-0.015	0.934	6369749	9.63		102	271172	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.292	-0.007	0.936	9582033	9.96		99.6	223859	
27 DONA										
377.00 > 251.00	5.327	5.336	-0.009	1.008	25169410	19.7		104	222101	
34 6:2 FTS										
427.00 > 407.00	5.630	5.638	-0.008	1.000	2371505	19.8	Target=1.43	104	111726	
427.00 > 81.00	5.630	5.638	-0.008	1.000	1578175		1.50(0.72-2.15)	104	73948	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.630	5.642	-0.012	1.067	11925355	19.9	Target=3.86	104	402145	
449.00 > 99.00	5.630	5.642	-0.012	1.067	3149161		3.79(1.93-5.79)	104	125279	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.630	5.640	-0.010	0.997	242094	9.52		100	19112	
$ 39 13C4 PFOA										
417.00 > 372.00	5.649	5.656	-0.007	1.000	9521506	9.87		98.7	275708	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.656	-0.007		3821332	5.00			148189	
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.656	-0.007	1.000	9942678	9.53		95.3	328247	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.649	5.659	-0.010	1.000	16151664	21.7	Target=2.48	109	305106	
413.00 > 169.00	5.649	5.659	-0.010	1.000	6497015		2.49(1.24-3.72)	109	295695	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.972	5.977	-0.005	1.000	12941530	19.1	Target=4.45	103	25589	
499.00 > 99.00	5.963	5.977	-0.014	0.999	2856412		4.53(2.23-6.68)	103	6705	
* 42 13C4 PFOS										
503.00 > 80.00	5.972	5.977	-0.005		2918932	4.78			55212	
D 41 13C8 PFOS										
507.00 > 80.00	5.972	5.975	-0.003	1.000	5927163	9.40		98.3	42531	
44 Perfluorononanoic acid										
463.00 > 419.00	5.989	5.990	-0.001	1.000	15194465	20.1	Target=4.83	101	130915	
463.00 > 169.00	5.981	5.990	-0.009	0.999	3307543		4.59(2.42-7.25)	101	133510	
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.994	-0.005	1.003	8759137	10.0		100	236161	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.148	6.147	0.001	1.029	23425750	19.4		104	532907	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.270	0.002	1.050	12902446	20.7	Target=4.19	108	351828	
549.00 > 99.00	6.263	6.270	-0.007	1.049	3150973		4.09(2.09-6.28)	108	111864	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.289	6.294	-0.005	0.999	18226426	21.6	Target=10.20	108	257998	
513.00 > 169.00	6.289	6.294	-0.005	0.999	1830862		9.96(5.10-15.29)	108	73790	
56 8:2 FTS										
527.00 > 507.00	6.298	6.298	0.0	1.000	2500938	21.6	Target=1.44	113	119415	
527.00 > 81.00	6.289	6.298	-0.009	0.999	1679228		1.49(0.72-2.16)	113	79295	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.298	0.0		5209198	5.00			207510	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.298	0.0	1.000	9686378	9.78		97.8	256528	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.298	6.303	-0.005	1.000	157523	9.31		97.1	9286	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.386	6.386	0.0	1.000	20834394	21.1		105	371927	
D 59 13C8 FOSA										
506.00 > 78.00	6.386	6.392	-0.006	1.014	9992068	10.2		102	212422	
60 NMeFOSAA										
570.00 > 419.00	6.439	6.446	-0.007	1.000	3225149	20.0	Target=1.62	100	316436	
570.00 > 483.00	6.439	6.446	-0.007	1.000	1985484		1.62(0.81-2.44)	100	3524	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.439	6.443	-0.004	1.022	1802710	10.0		100	48612	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.533	6.532	0.001	1.094	13812011	19.8	Target=4.24	103	355555	
599.00 > 99.00	6.533	6.532	0.001	1.094	3273337		4.22(2.12-6.36)	103	112464	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.568	6.567	0.001	1.163	8877444	10.0		100	355830	
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.567	0.001	1.043	9467986	10.0		100	314331	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.568	6.564	0.004	1.000	16116889	20.6	Target=8.77	103	105628	
563.00 > 169.00	6.556	6.564	-0.008	0.998	1912406		8.43(4.39-13.16)	103	95739	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.579	6.579	0.0	1.045	1403644	10.1		101	19945	
67 NEtFOSAA										
584.00 > 419.00	6.591	6.592	-0.001	1.002	2571968	19.2	Target=1.47	95.8	117578	
584.00 > 526.00	6.579	6.592	-0.013	1.000	1813693		1.42(0.74-2.21)	95.8	211645	
69 11ClFOS										
631.00 > 451.00	6.669	6.673	-0.004	1.117	18500819	19.0		102	426296	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.796	6.802	-0.006	0.998	15152662	20.8	Target=5.09	104	155159	
613.00 > 169.00	6.796	6.802	-0.006	0.998	3008424		5.04(2.54-7.63)	104	61556	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.805	0.003	1.081	7280465	10.1		101	250774	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
75 10:2 FTS										
627.00 > 607.00	6.818	6.820	-0.002	1.083	1787435	21.6	Target=0.84	112	94753	
627.00 > 81.00	6.818	6.820	-0.002	1.083	2047701		0.87(0.42-1.26)	112	85828	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.818	6.822	-0.004	1.083	1922922	10.1		101	8456	
77 N-MeFOSE-M										
616.00 > 59.00	6.828	6.828	0.0	1.002	4067490	20.1		101	39428	
78 NMeFOSA										
512.00 > 169.00	6.839	6.842	-0.003	1.000	2552106	21.3		106	41994	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.839	6.842	-0.003	1.086	1199033	9.85		98.5	37103	
80 PFDoS										
699.00 > 80.00	6.975	6.978	-0.003	1.168	14075271	21.2		110	409012	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.984	6.982	0.002	1.109	2028953	9.81		98.1	12563	
82 N-EtFOSE-M										
630.00 > 59.00	6.993	6.991	0.002	1.001	4762209	21.5		108	67417	
84 N-EtFOSA-M										
526.00 > 169.00	7.003	7.008	-0.005	1.000	2616771	20.8		104	44786	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.003	7.008	-0.005	1.029	11606537	20.2	Target=4.59	101	45825	
663.00 > 169.00	7.003	7.008	-0.005	1.029	2565950		4.52(2.29-6.88)	101	71862	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.003	7.004	-0.001	1.112	1177290	10.1		101	33150	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.191	7.189	0.002	1.000	13240570	20.8	Target=5.25	104	45505	
713.00 > 169.00	7.191	7.189	0.002	1.000	2519003		5.26(2.62-7.87)	104	74342	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.191	7.193	-0.002	1.142	7565757	9.89		98.9	255584	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.487	7.487	0.0	1.041	16627497	20.4	Target=8.75	102	54256	
813.00 > 169.00	7.487	7.487	0.0	1.041	1980934		8.39(4.38-13.13)	102	66349	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.722	7.719	0.003	1.074	10449349	21.4	Target=8.07	107	179833	
913.00 > 169.00	7.716	7.719	-0.003	1.073	1316576		7.94(4.04-12.11)	107	84386	

QC Flag Legend

Processing Flags

Reagents:

PFC_STD_MOD5_00021 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:25:32 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-21.d

Injection Date: 21-Jul-2021 23:32:01 Instrument ID: 30733

Lims ID: ICISAV CAL5

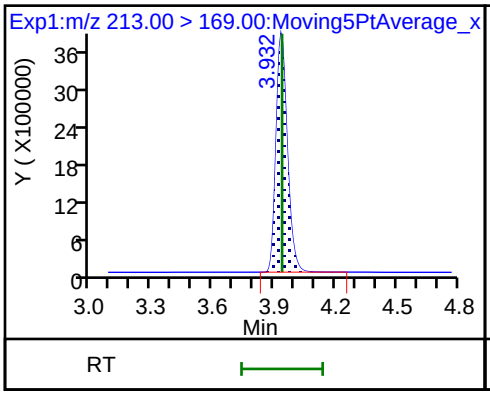
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20006 Worklist Smp#: 5

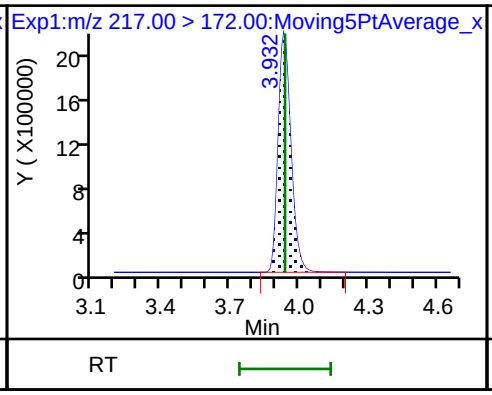
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

2 Perfluorobutanoic acid



D 3 13C4 PFBA



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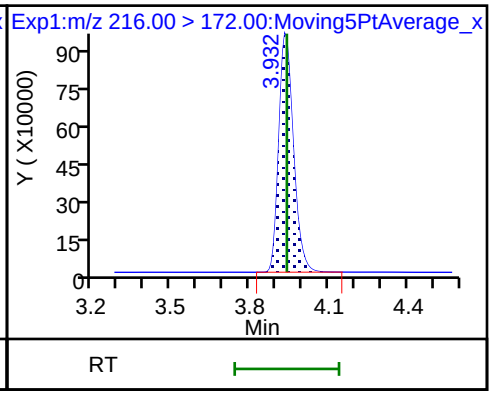
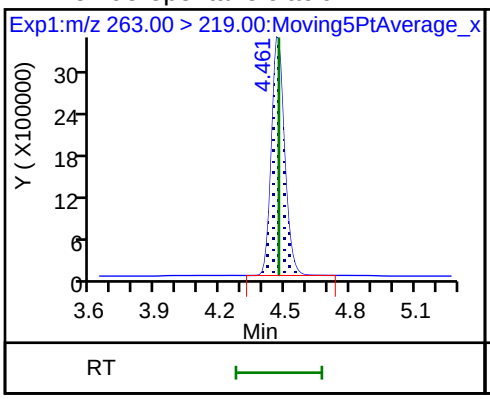
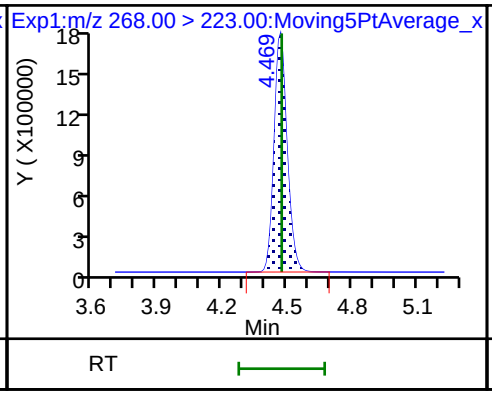


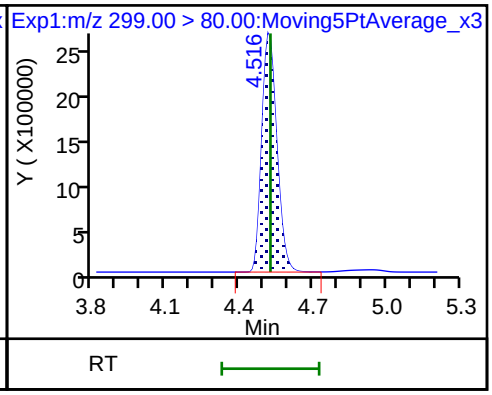
7 Perfluoropentanoic acid



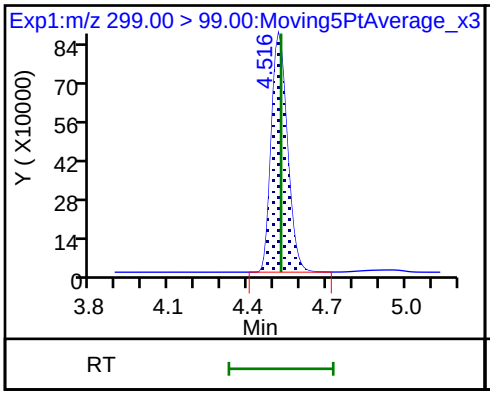
D 8 13C5 PFPeA



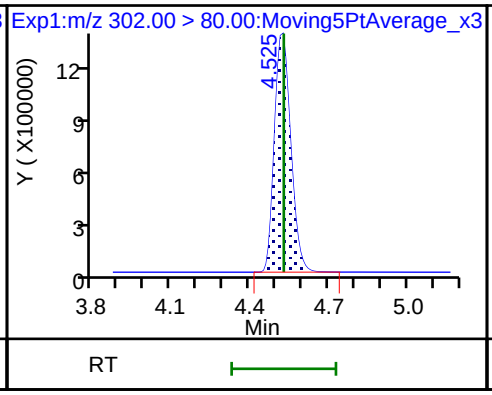
10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



D 11 13C3 PFBS



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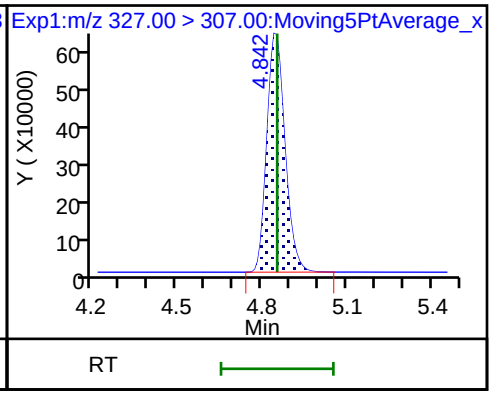

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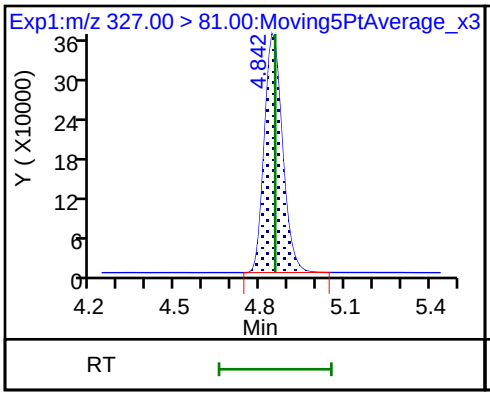
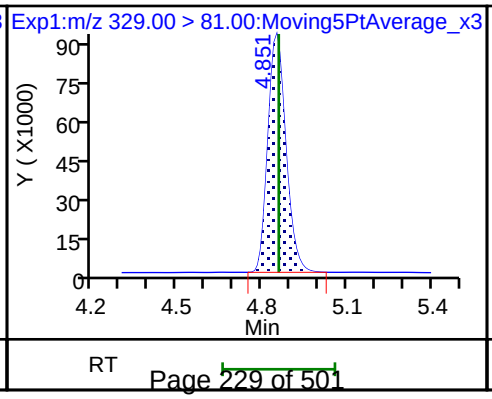
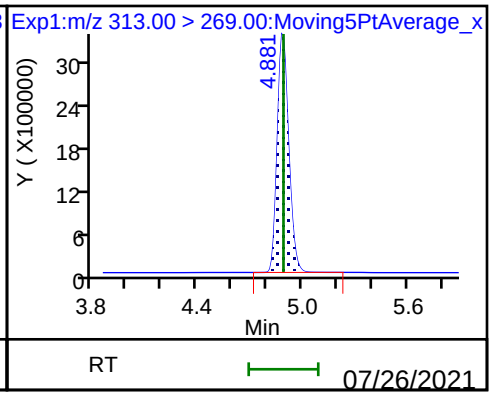


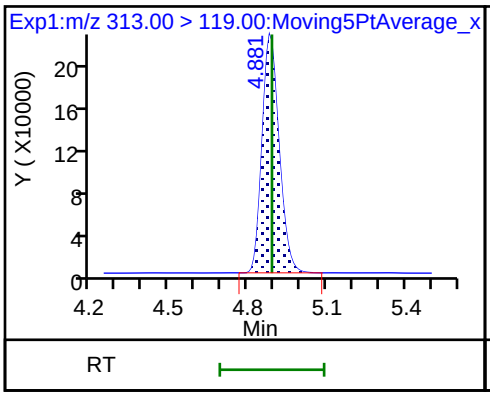
D 16 M2-4:2 FTS



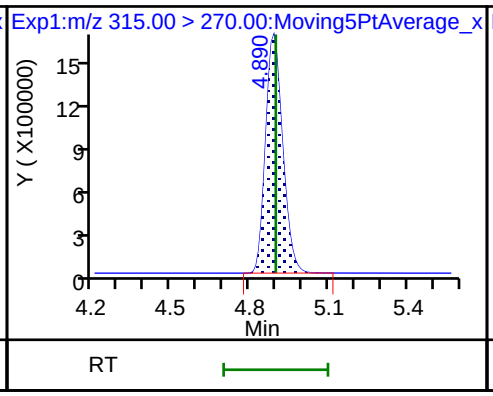
17 Perfluorohexanoic acid



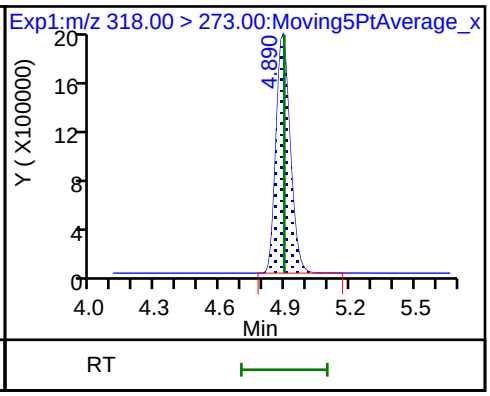
17 Perfluorohexanoic acid



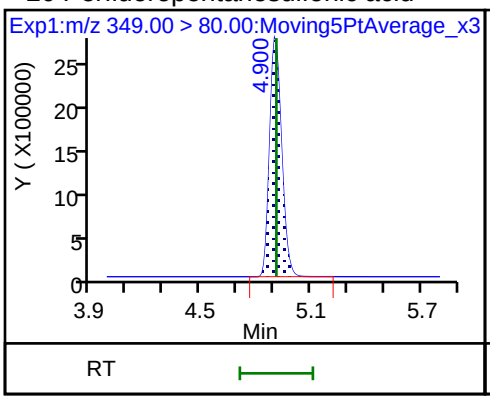
$ 18 13C2 PFHxA



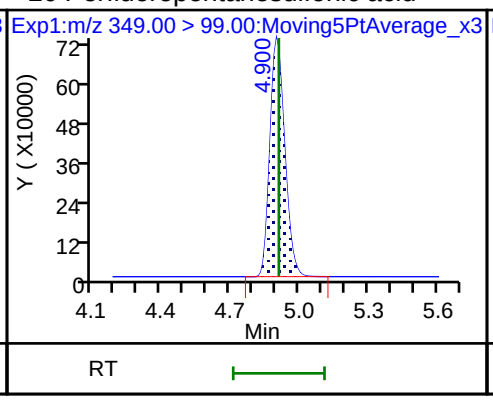
D 19 13C5 PFHxA



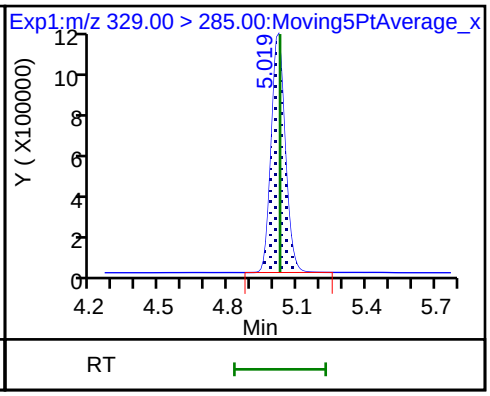
20 Perfluoropentanesulfonic acid



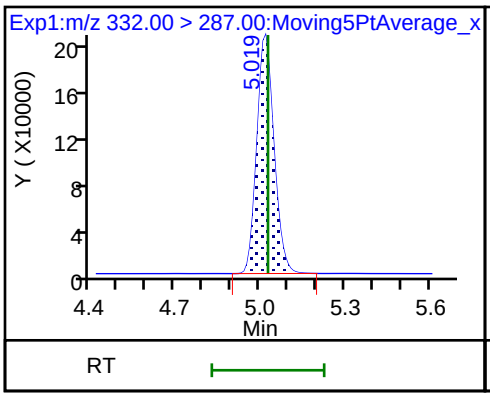
20 Perfluoropentanesulfonic acid



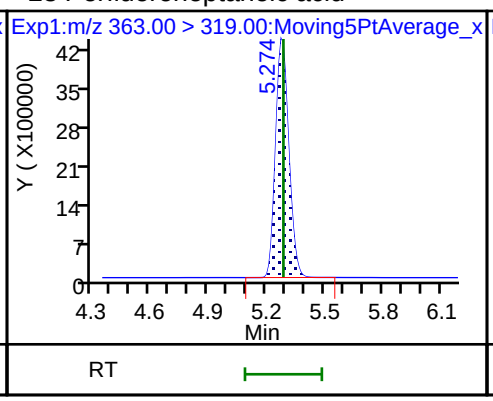
21 HFPO-DA



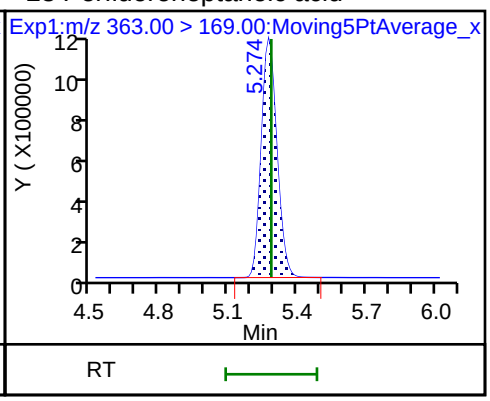
D 22 13C3 HFPO-DA



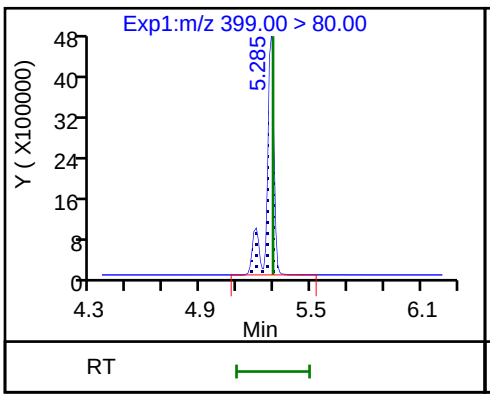
23 Perfluoroheptanoic acid



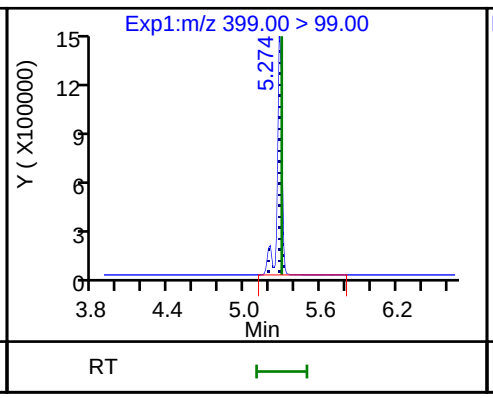
23 Perfluoroheptanoic acid



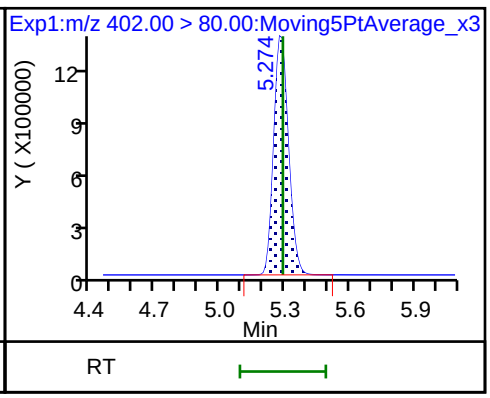
26 Perfluorohexanesulfonic acid



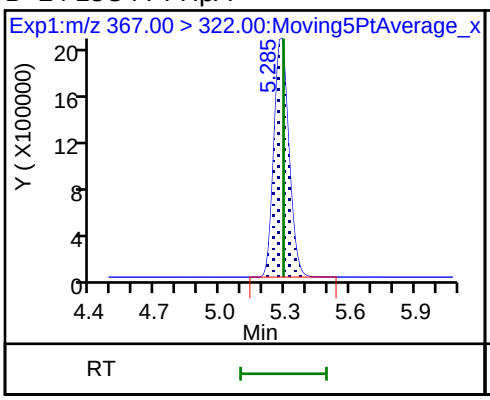
26 Perfluorohexanesulfonic acid



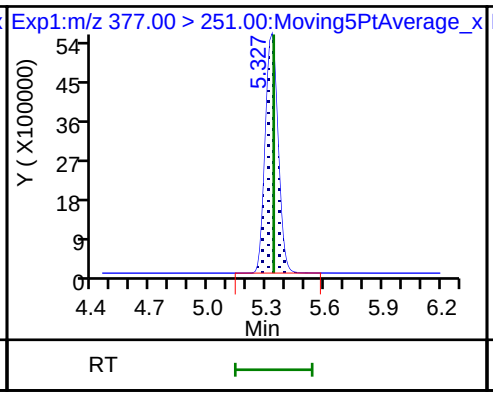
D 25 13C3 PFHxS



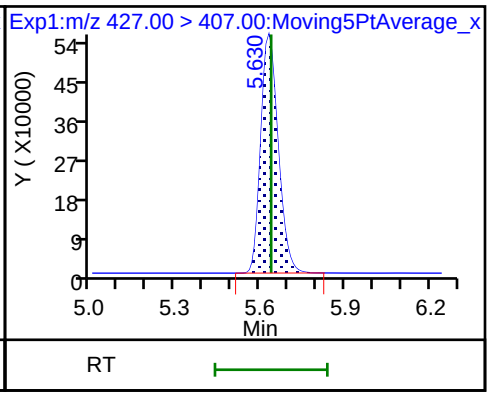
D 24 13C4 PFHpA



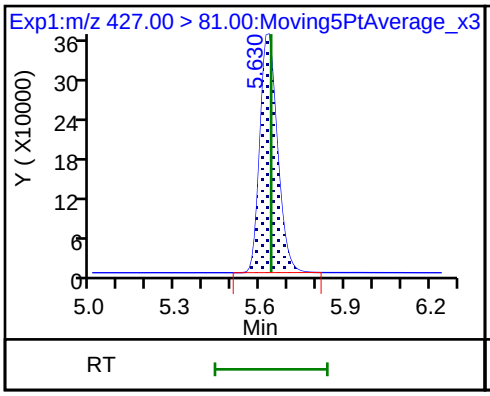
27 DONA



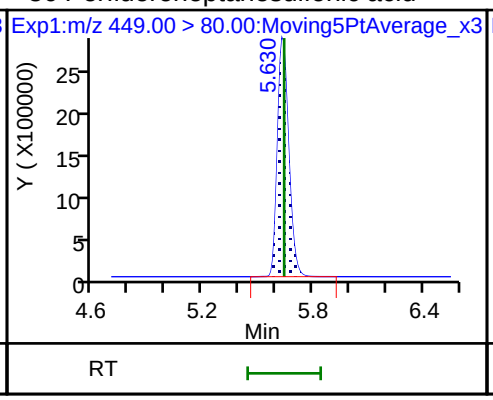
34 6:2 FTS



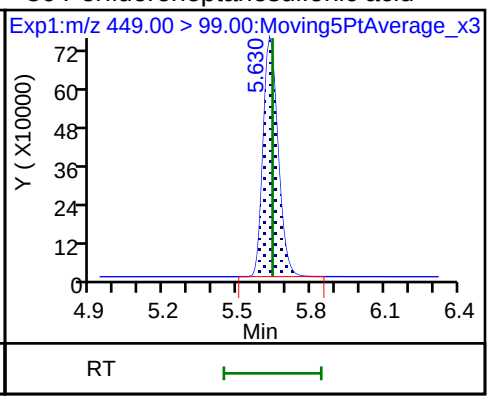
34 6:2 FTS



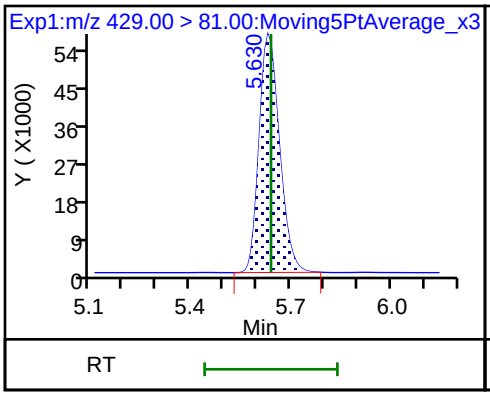
36 Perfluoroheptanesulfonic acid



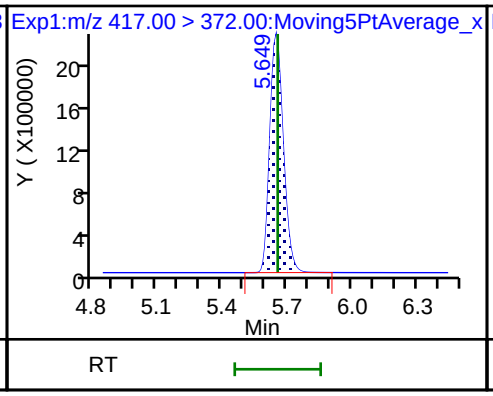
36 Perfluoroheptanesulfonic acid



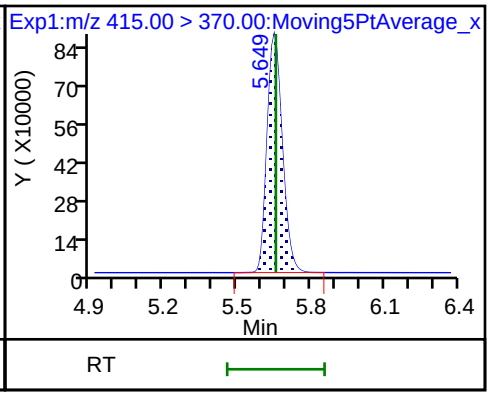
D 35 M2-6:2 FTS



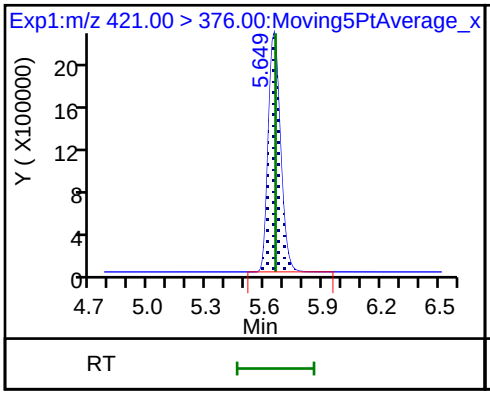
$ 39 13C4 PFOA



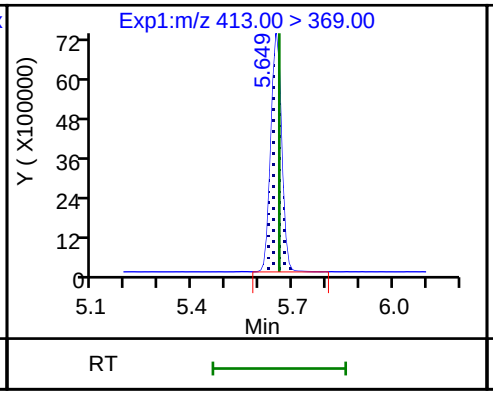
* 38 13C2 PFOA



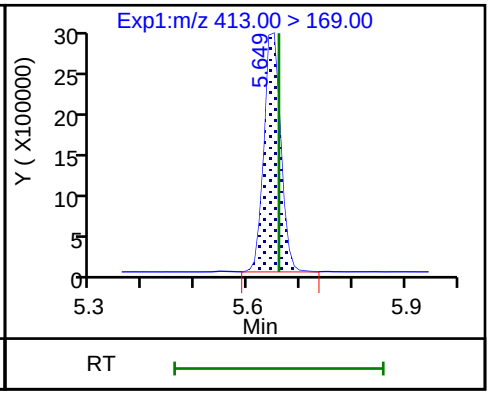
D 37 13C8 PFOA



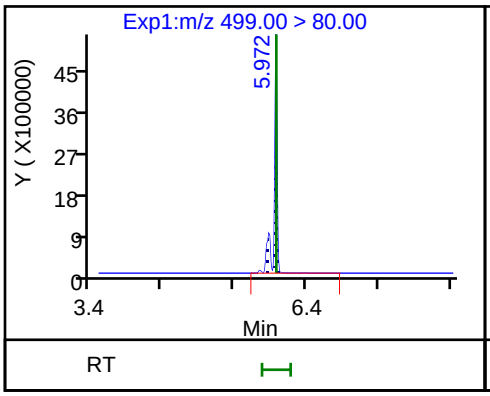
40 Perfluorooctanoic acid



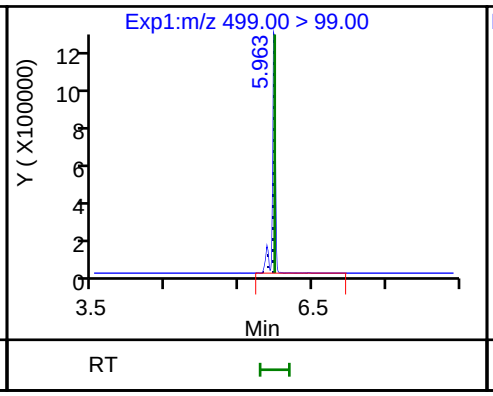
40 Perfluorooctanoic acid



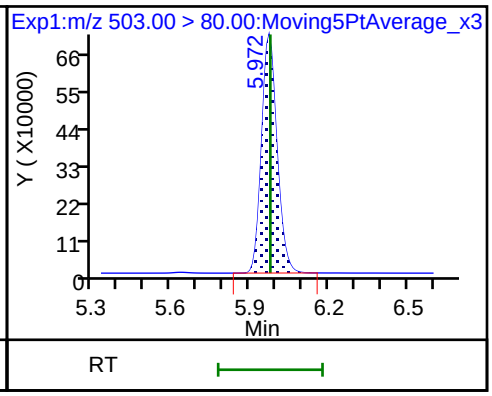
43 Perfluorooctanesulfonic acid



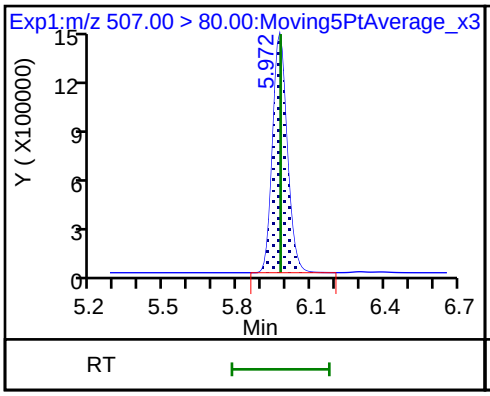
43 Perfluorooctanesulfonic acid



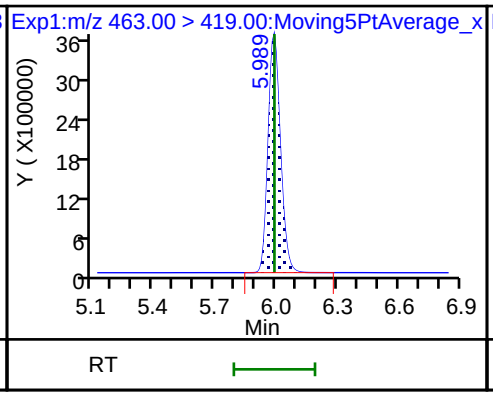
* 42 13C4 PFOS



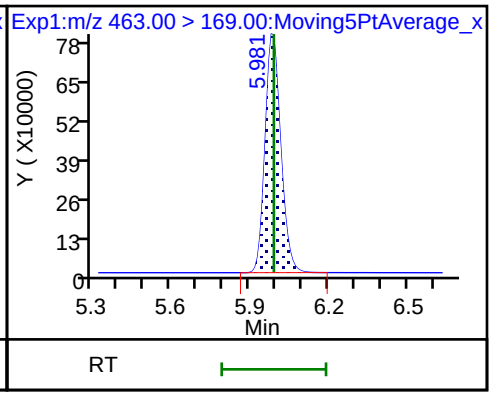
D 41 13C8 PFOS



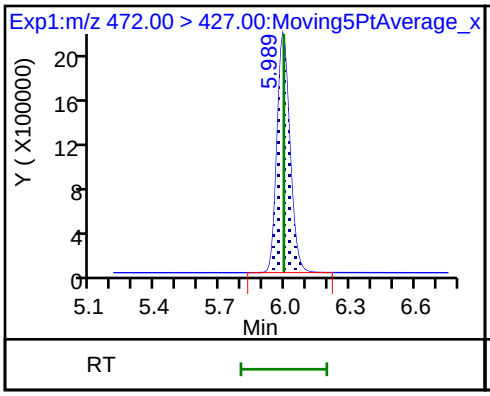
44 Perfluorononanoic acid



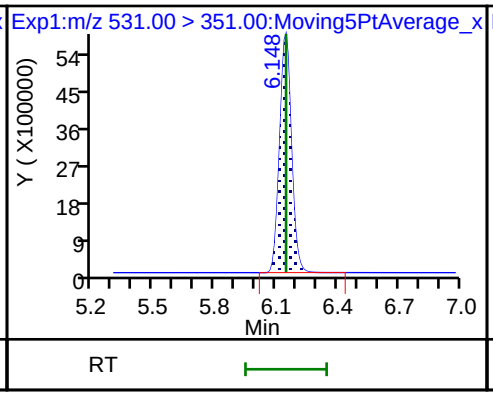
44 Perfluorononanoic acid



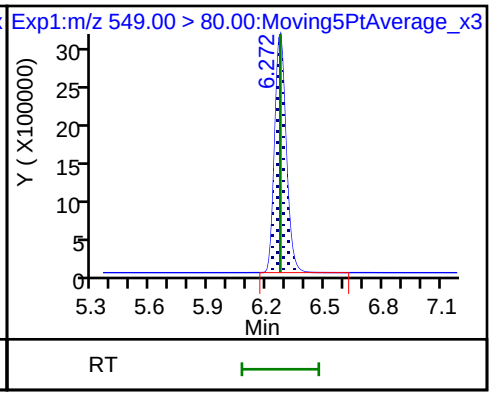
D 45 13C9 PFNA



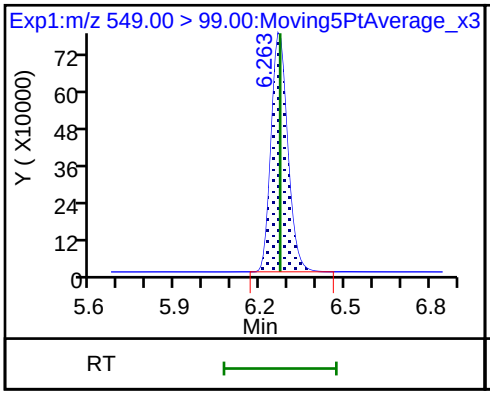
51 9ClFOS



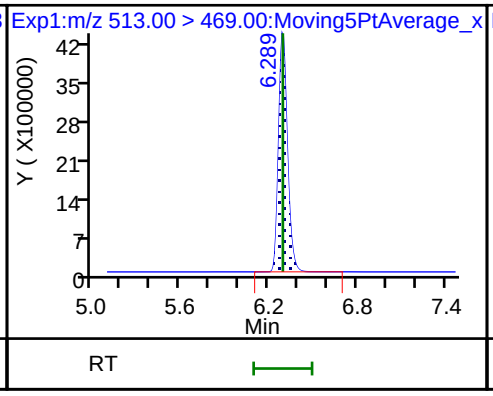
52 Perfluorononanesulfonic acid



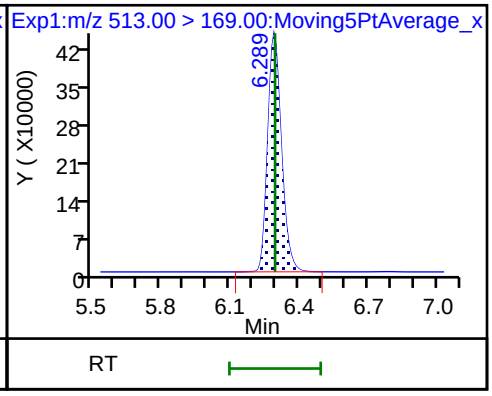
52 Perfluorononanesulfonic acid



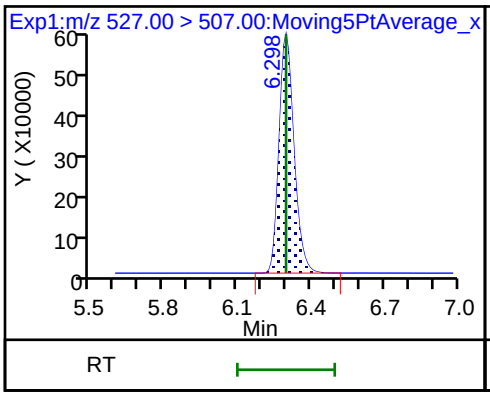
53 Perfluorodecanoic acid



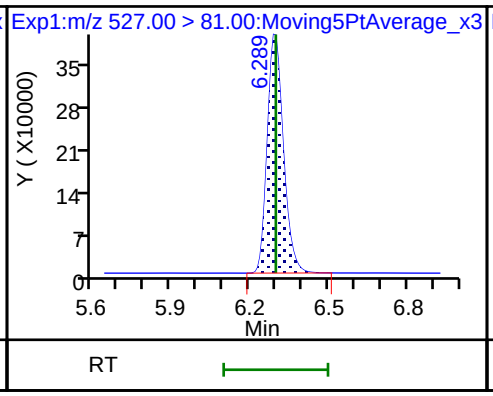
53 Perfluorodecanoic acid



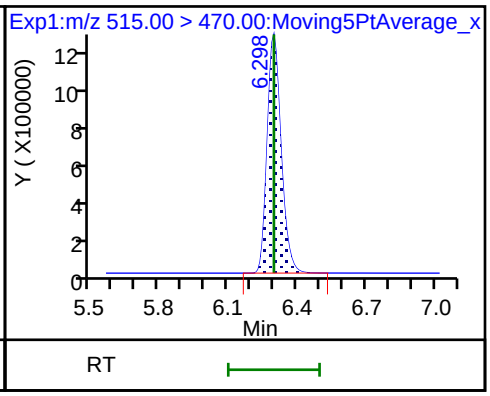
56 8:2 FTS



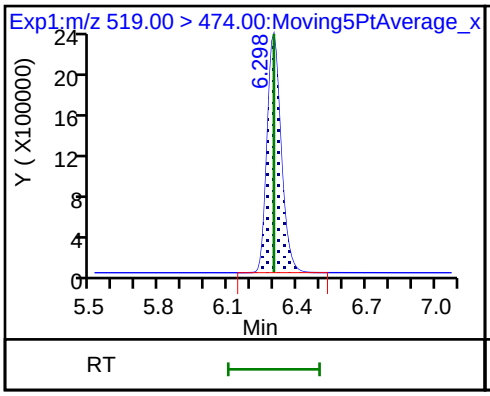
56 8:2 FTS



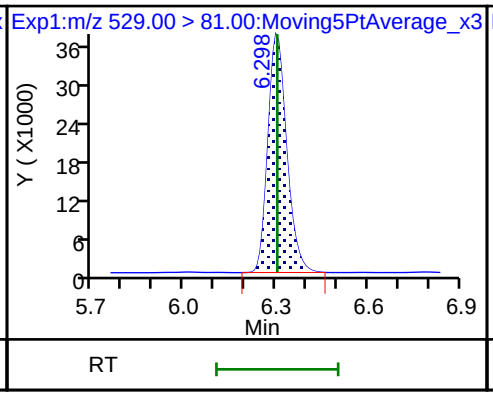
* 55 13C2 PFDA



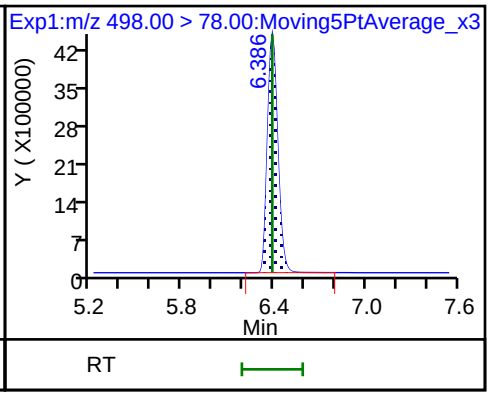
D 54 13C6 PFDA



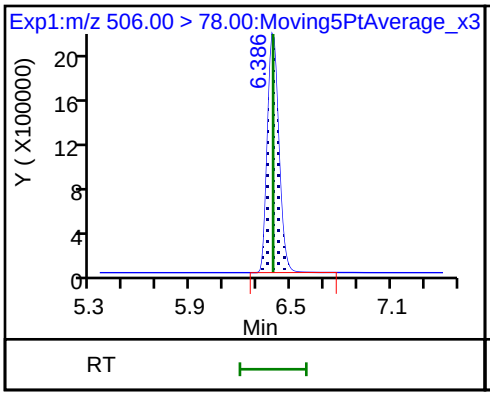
D 57 M2-8:2 FTS



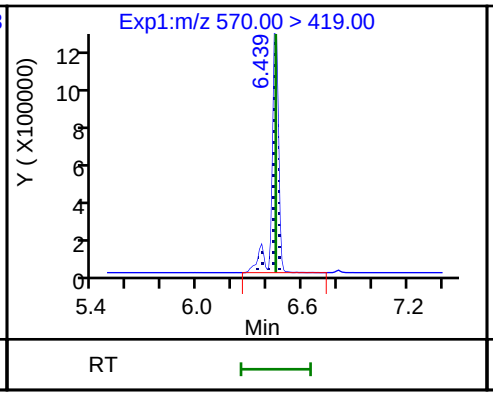
58 Perfluorooctanesulfonamide



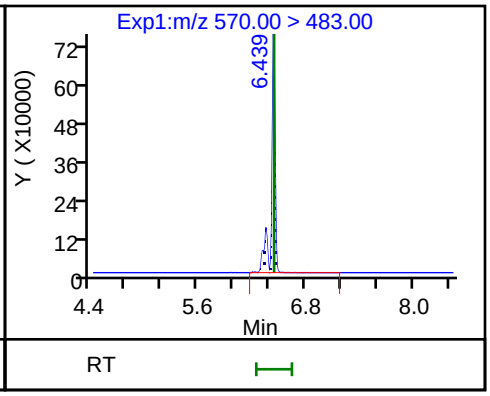
D 59 13C8 FOSA



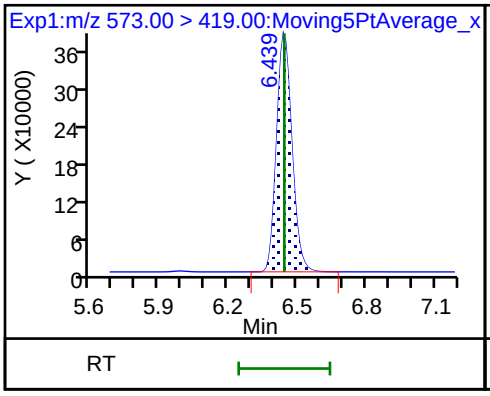
60 NMeFOSAA



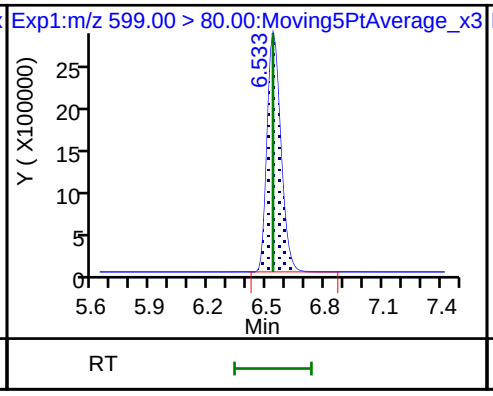
60 NMeFOSAA



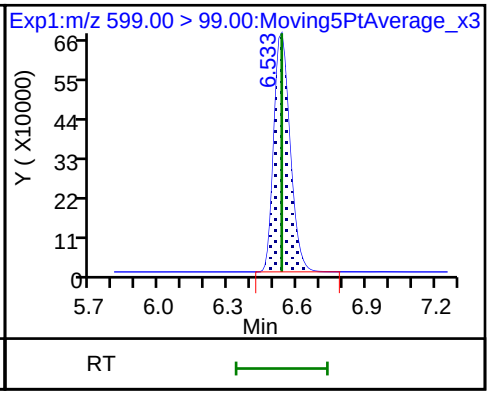
D 61 d3-NMeFOSAA



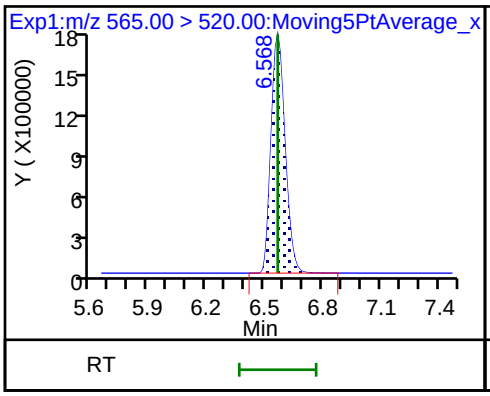
62 Perfluorodecanesulfonic acid



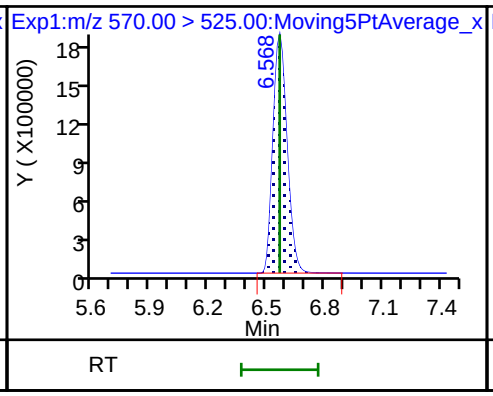
62 Perfluorodecanesulfonic acid



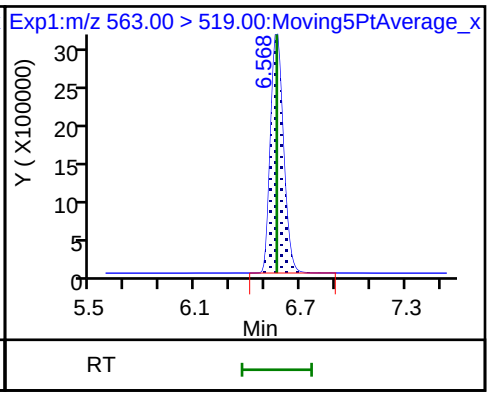
$ 64 13C2 PFUnA



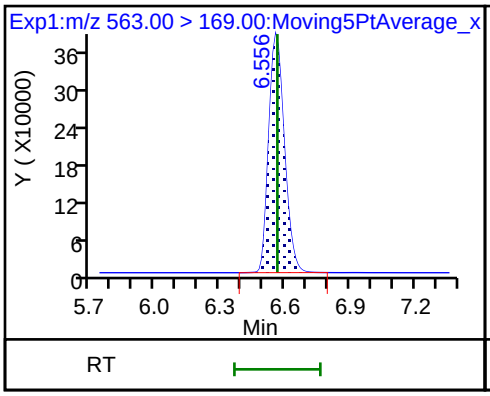
D 65 13C7 PFUnA



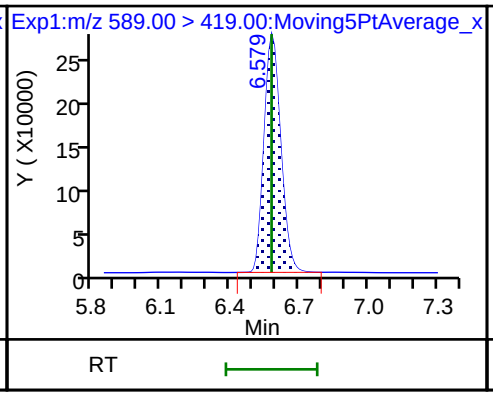
63 Perfluoroundecanoic acid



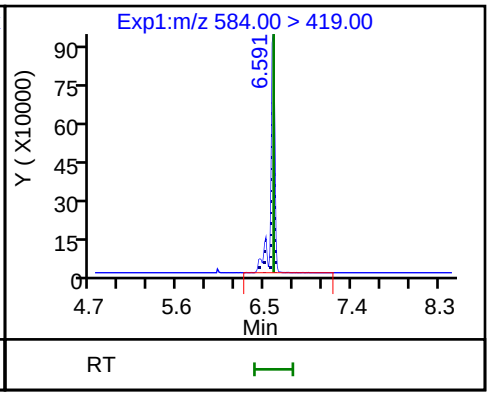
63 Perfluoroundecanoic acid



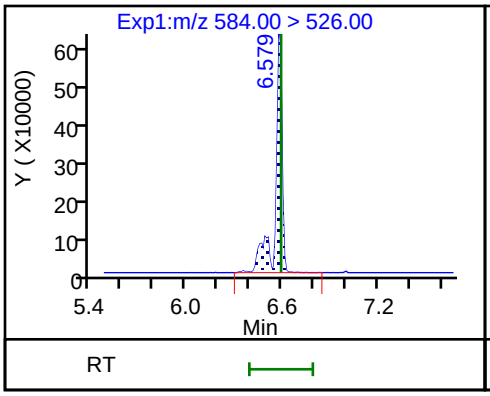
D 66 d5-NEtFOSAA



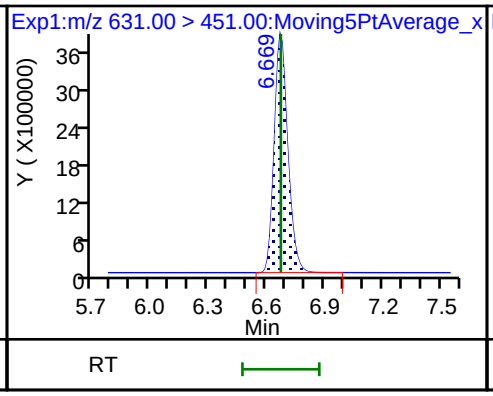
67 NEtFOSAA



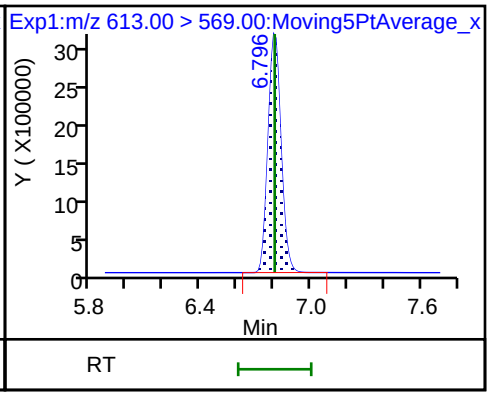
67 NEtFOSAA



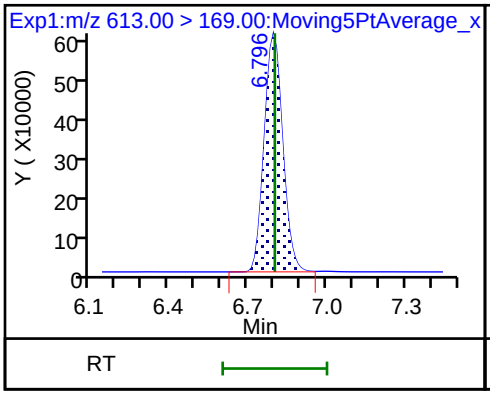
69 11ClFOS



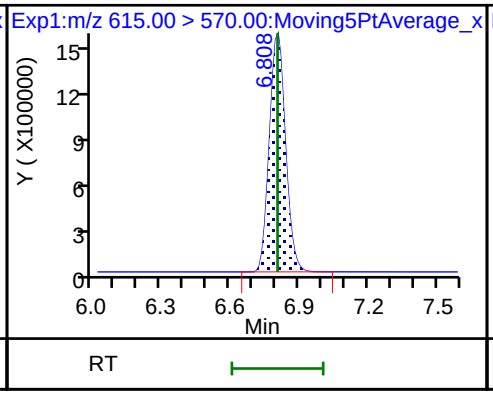
73 Perfluorododecanoic acid



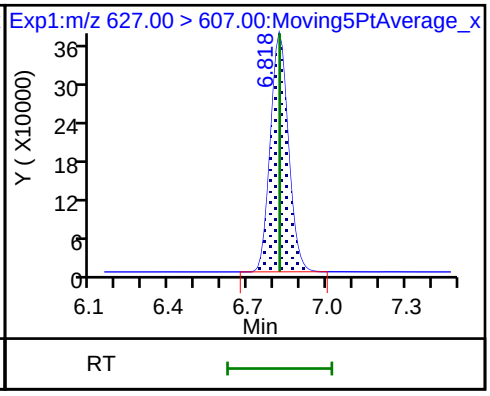
73 Perfluorododecanoic acid



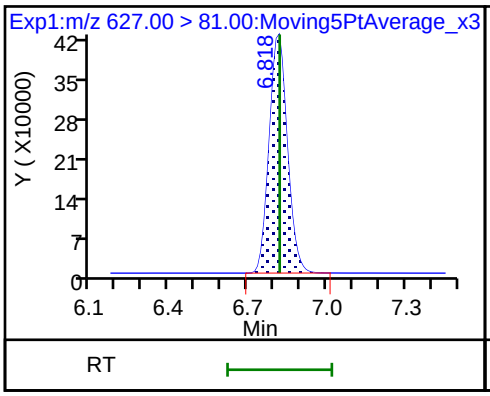
D 74 13C2-PFDoDA



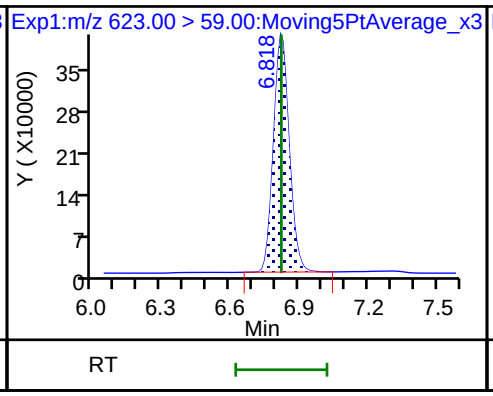
75 10:2 FTS



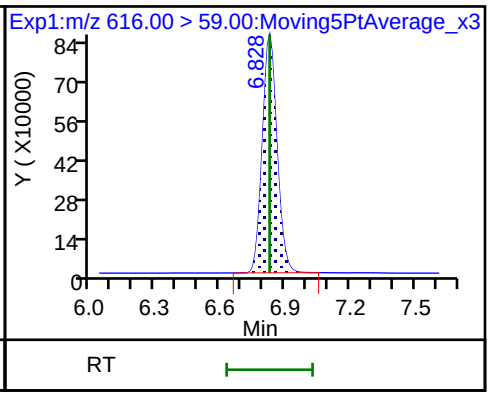
75 10:2 FTS



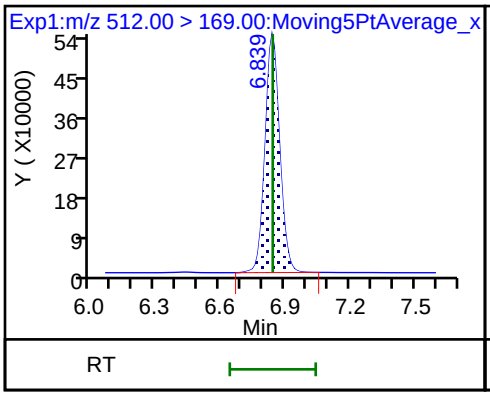
D 76 d7-N-MeFOSE-M



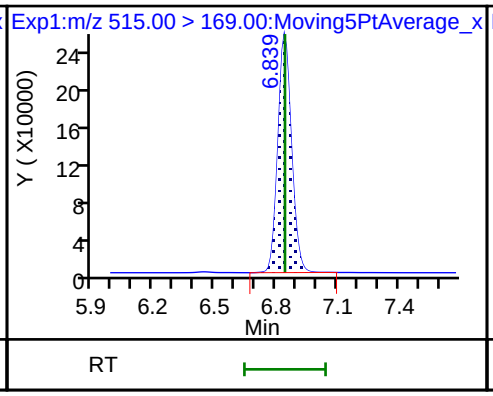
77 N-MeFOSE-M



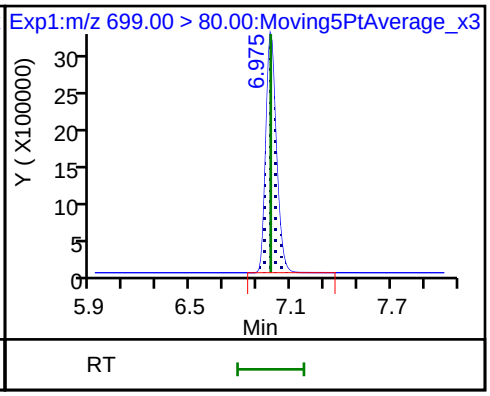
78 NMeFOSA



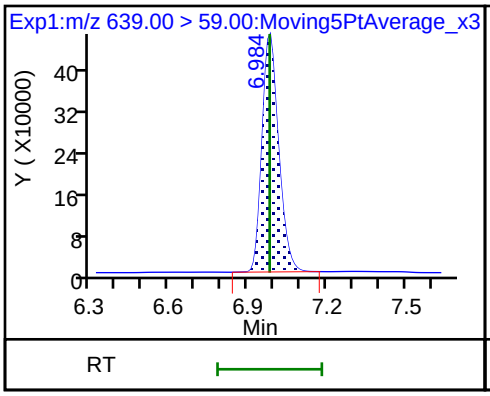
D 79 d3-NMePFOSA



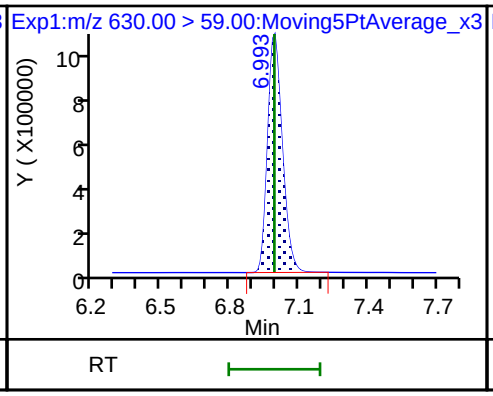
80 PFDoS



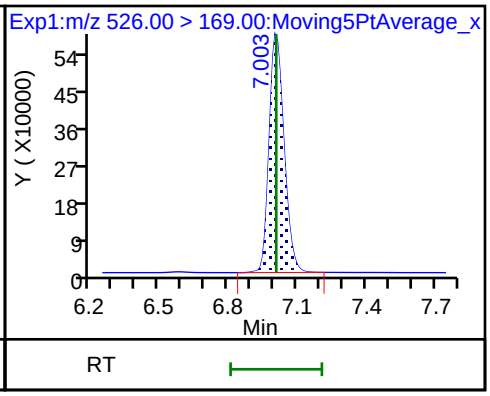
D 81 d9-N-EtFOSE-M



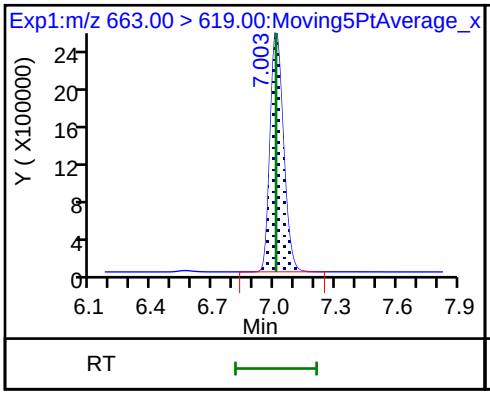
82 N-EtFOSE-M



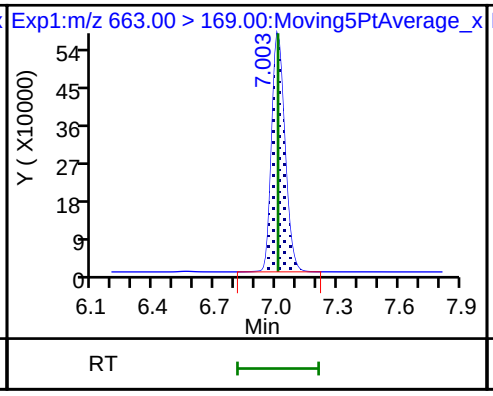
84 N-EtFOSA-M



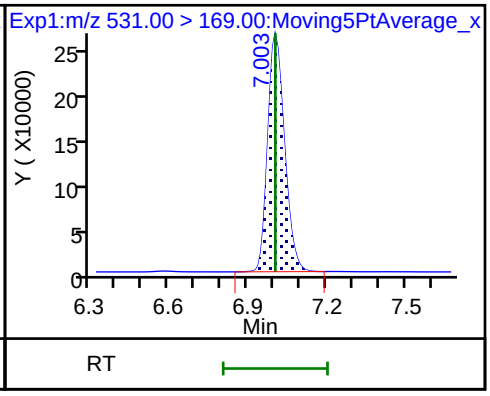
85 Perfluorotridecanoic acid



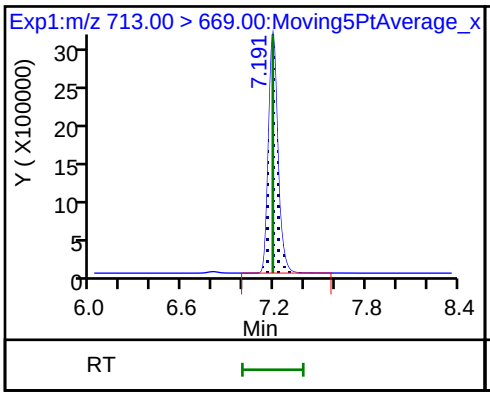
85 Perfluorotridecanoic acid



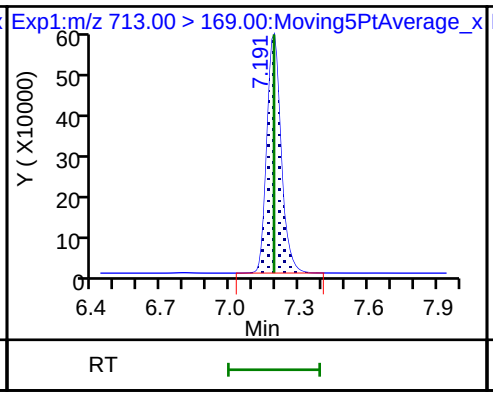
D 83 d5-NEtPFOSA



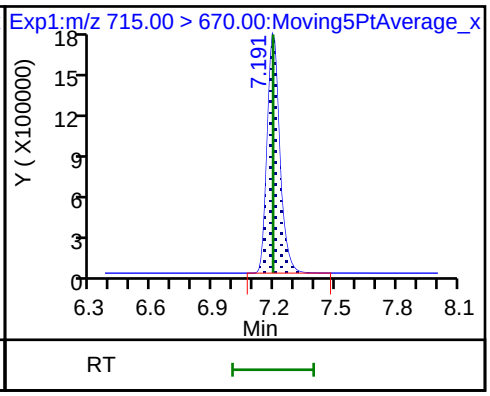
86 Perfluorotetradecanoic acid



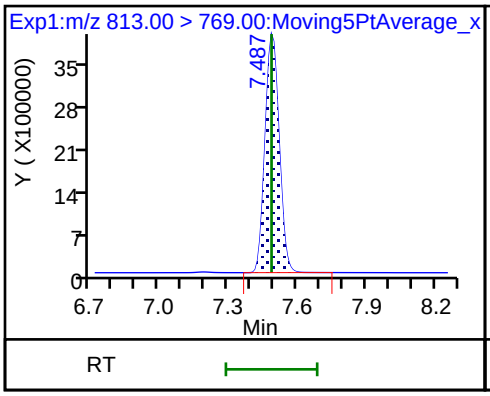
86 Perfluorotetradecanoic acid



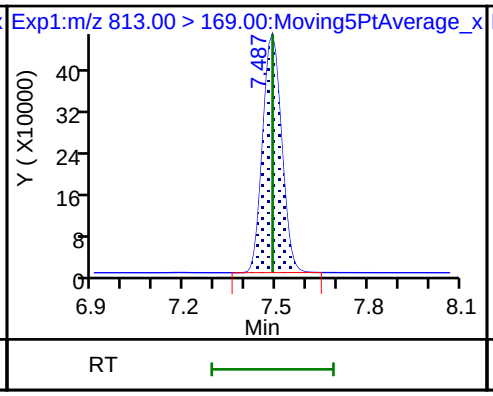
D 87 13C2 PFTeDA



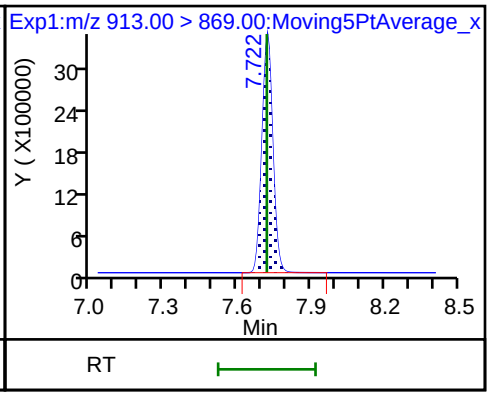
88 Perfluorohexadecanoic acid



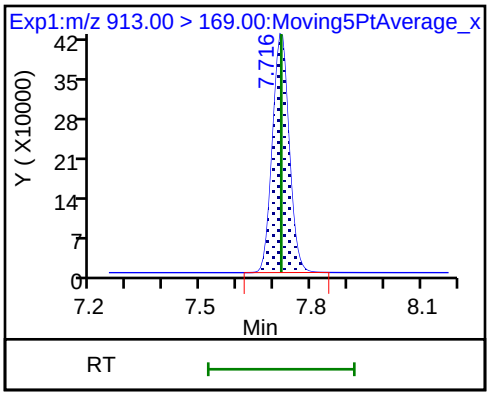
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Peak Asymmetry Report

Eurofins Lancaster Laboratories Env, LLC

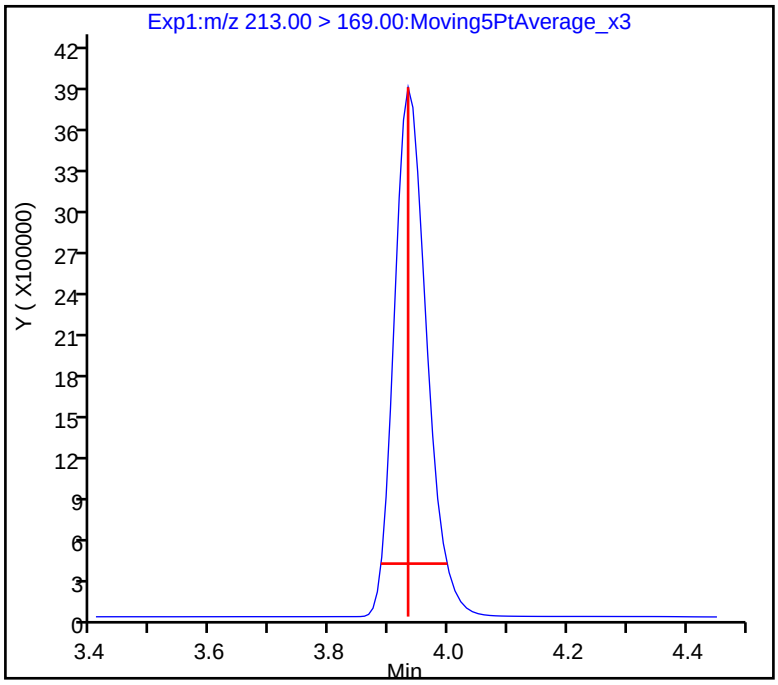
Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-21.d
Injection Date: 21-Jul-2021 23:32:01 Instrument ID: 30733
Lims ID: ICISAV CAL5
Client ID:
Operator ID: US19_USR_INS20260 ALS Bottle#: 20006 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

2 Perfluorobutanoic acid, Detector: EXP1

Peak Asymmetry =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.066 (min.)
Front Width = 0.046 (min.)

Asymmetry = 1.4



Peak Asymmetry Report

Eurofins Lancaster Laboratories Env, LLC

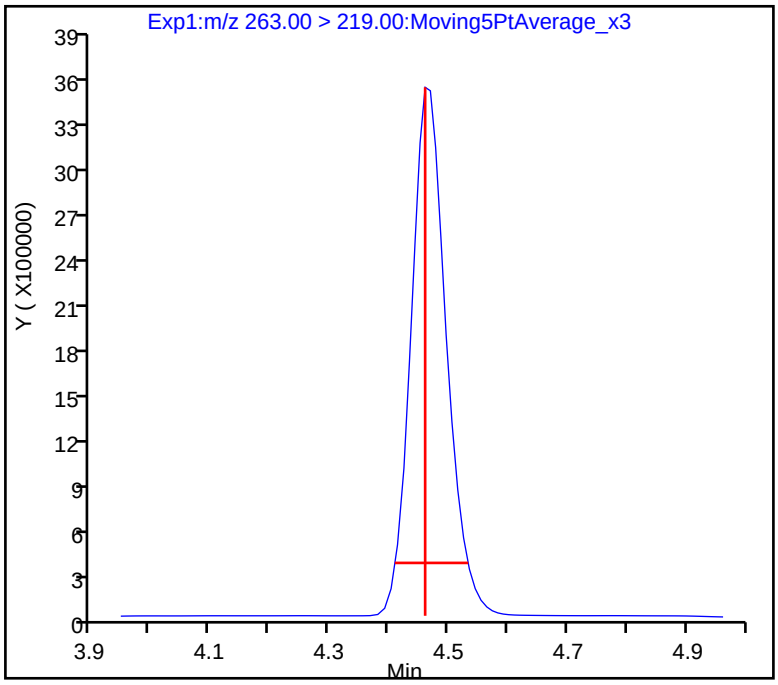
Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-21.d
Injection Date: 21-Jul-2021 23:32:01 Instrument ID: 30733
Lims ID: ICISAV CAL5
Client ID:
Operator ID: US19_USR_INS20260 ALS Bottle#: 20006 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

7 Perfluoropentanoic acid, Detector: EXP1

Peak Asymmetry =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.073 (min.)
Front Width = 0.051 (min.)

Asymmetry = 1.4



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-22.d
Lims ID: IC CAL6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jul-2021 23:43:06 ALS Bottle#: 20007 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL6
Misc. Info.: Plate: 1 Rack: 1 410-0034894-006
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:25:47 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: chensh Date: 22-Jul-2021 07:50:02
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
2 Perfluorobutanoic acid										
213.00 > 169.00	3.924	3.938	-0.014	1.000	32323524	49.7		99.4	141519	
D 3 13C4 PFBA										
217.00 > 172.00	3.924	3.938	-0.014	0.998	7540096	10.0		100	219041	
* 4 13C3-PFBA										
216.00 > 172.00	3.932	3.940	-0.008		3345884	5.00			21736	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.461	4.471	-0.010	1.000	33794449	50.6		101	58119	
D 8 13C5 PFPeA										
268.00 > 223.00	4.461	4.475	-0.014	1.135	7073668	10.2		102	191119	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.516	4.525	-0.009	1.000	27012530	43.8	Target=3.13	99.0	36682	
299.00 > 99.00	4.506	4.525	-0.019	0.998	8972517		3.01(1.57-4.70)	99.0	35163	
D 11 13C3 PFBS										
302.00 > 80.00	4.516	4.528	-0.012	1.148	5571396	9.53		102	219727	
15 4:2 FTS										
327.00 > 307.00	4.842	4.853	-0.011	1.000	6469598	46.0	Target=1.61	98.5	247219	
327.00 > 81.00	4.842	4.853	-0.011	1.000	3728117		1.74(0.81-2.42)	98.5	121188	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.842	4.858	-0.016	0.857	391411	9.00		96.4	17799	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.881	4.891	-0.010	1.000	33260287	50.5	Target=14.88	101	164726	
313.00 > 119.00	4.881	4.891	-0.010	1.000	2361945		14.08(7.44-22.32)	101	66178	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.881	4.898	-0.017	0.864	6981560	10.1		101	195067	
D 19 13C5 PFHxA										
318.00 > 273.00	4.881	4.896	-0.015	0.864	8723911	9.81		98.1	278910	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.900	4.911	-0.011	1.085	26361589	46.1	Target=3.52	98.2	732820	
349.00 > 99.00	4.900	4.911	-0.011	1.085	7925047		3.33(1.76-5.28)	98.2	294777	
21 HFPO-DA										
329.00 > 285.00	5.010	5.025	-0.015	0.998	12818117	51.5		103	90151	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.018	5.027	-0.009	0.888	796630	9.72		97.2	47624	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.274	5.286	-0.012	0.998	43157247	49.0	Target=3.85	98.1	251232	
363.00 > 169.00	5.274	5.286	-0.012	0.998	11592210		3.72(1.93-5.78)	98.1	188236	
D 25 13C3 PFHxS										
402.00 > 80.00	5.274	5.289	-0.015	0.934	6013272	9.59		101	212932	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.285	5.292	-0.007	1.002	28250569	45.3	Target=3.51	99.4	2628213	
399.00 > 99.00	5.274	5.292	-0.018	1.000	7746061		3.65(1.75-5.26)	99.4	21965	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.292	-0.007	0.936	8521702	9.35		93.5	198670	
27 DONA										
377.00 > 251.00	5.327	5.336	-0.009	1.008	55659360	48.9		103	722614	
34 6:2 FTS										
427.00 > 407.00	5.631	5.638	-0.007	1.000	4877695	46.9	Target=1.43	99.0	190736	
427.00 > 81.00	5.631	5.638	-0.007	1.000	3482010		1.40(0.72-2.15)	99.0	203142	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.640	5.642	-0.002	1.069	26963499	47.6	Target=3.86	99.9	1052714	
449.00 > 99.00	5.631	5.642	-0.011	1.068	7093051		3.80(1.93-5.79)	99.9	209781	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.631	5.640	-0.009	0.997	209744	8.70		91.6	16289	
$ 39 13C4 PFOA										
417.00 > 372.00	5.649	5.656	-0.007	1.000	8661517	9.48		94.8	334188	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.656	-0.007		3621601	5.00			140565	
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.656	-0.007	1.000	9457717	9.56		95.6	219427	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.649	5.659	-0.010	1.000	34994058	49.5	Target=2.48	99.0	619270	
413.00 > 169.00	5.649	5.659	-0.010	1.000	14973559		2.34(1.24-3.72)	99.0	609516	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.963	5.977	-0.014	1.000	29486356	46.9	Target=4.45	101	78255	
499.00 > 99.00	5.963	5.977	-0.014	1.000	6636802		4.44(2.23-6.68)	101	14529	
* 42 13C4 PFOS										
503.00 > 80.00	5.963	5.977	-0.014		2862487	4.78			33398	
D 41 13C8 PFOS										
507.00 > 80.00	5.963	5.975	-0.012	1.000	5497866	8.89		93.0	28455	
44 Perfluorononanoic acid										
463.00 > 419.00	5.981	5.990	-0.009	1.000	33750758	49.9	Target=4.83	99.9	303082	
463.00 > 169.00	5.981	5.990	-0.009	1.000	7554682		4.47(2.42-7.25)	99.9	206254	
D 45 13C9 PFNA										
472.00 > 427.00	5.981	5.994	-0.013	1.003	7851121	9.14		91.4	270562	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.139	6.147	-0.008	1.029	51374448	45.8		98.6	1789329	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.254	6.270	-0.016	1.049	28242130	48.9	Target=4.19	102	462171	
549.00 > 99.00	6.254	6.270	-0.016	1.049	6977301		4.05(2.09-6.28)	102	216851	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.281	6.294	-0.013	0.999	37370749	48.2	Target=10.20	96.4	392503	
513.00 > 169.00	6.281	6.294	-0.013	0.999	4158590		8.99(5.10-15.29)	96.4	44153	
D 54 13C6 PFDA										
519.00 > 474.00	6.289	6.298	-0.009	1.000	8885805	9.91		99.1	356314	
56 8:2 FTS										
527.00 > 507.00	6.289	6.298	-0.009	1.000	5060961	45.3	Target=1.44	94.6	173314	
527.00 > 81.00	6.281	6.298	-0.017	0.999	3718634		1.36(0.72-2.16)	94.6	178471	
* 55 13C2 PFDA										
515.00 > 470.00	6.289	6.298	-0.009		4716507	5.00			227520	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.289	6.303	-0.014	1.000	152340	9.94		104	12124	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.375	6.386	-0.011	1.000	45990288	50.6		101	2463829	
D 59 13C8 FOSA										
506.00 > 78.00	6.375	6.392	-0.017	1.014	9182632	10.4		104	196129	
60 NMeFOSAA										
570.00 > 419.00	6.429	6.446	-0.017	1.000	7923672	50.1	Target=1.62	100	781679	
570.00 > 483.00	6.429	6.446	-0.017	1.000	4808902		1.65(0.81-2.44)	100	8854	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.429	6.443	-0.014	1.022	1768903	10.9		109	25382	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.521	6.532	-0.011	1.094	31862024	49.2	Target=4.24	102	1100982	
599.00 > 99.00	6.521	6.532	-0.011	1.094	7500005		4.25(2.12-6.36)	102	194464	
D 65 13C7 PFUnA										
570.00 > 525.00	6.556	6.567	-0.011	1.042	8891726	10.4		104	223268	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.556	6.567	-0.011	1.160	8213554	9.77		97.7	206103	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.544	6.564	-0.020	0.998	35742247	48.7	Target=8.77	97.3	229118	
563.00 > 169.00	6.544	6.564	-0.020	0.998	4311221		8.29(4.39-13.16)	97.3	146017	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.568	6.579	-0.011	1.044	1310843	10.4		104	20083	
67 NEtFOSAA										
584.00 > 419.00	6.579	6.592	-0.013	1.002	6371613	50.8	Target=1.47	102	193314	
584.00 > 526.00	6.568	6.592	-0.024	1.000	4344182		1.47(0.74-2.21)	102	12157	
69 11ClFOS										
631.00 > 451.00	6.659	6.673	-0.014	1.117	41743327	46.3		99.6	960087	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.785	6.802	-0.017	0.998	31628365	48.8	Target=5.09	97.6	302699	
613.00 > 169.00	6.785	6.802	-0.017	0.998	6671428		4.74(2.54-7.63)	97.6	95779	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.796	6.805	-0.009	1.081	6462030	9.87		98.7	185369	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
75 10:2 FTS										
627.00 > 607.00	6.808	6.820	-0.012	1.082	3620655	45.2	Target=0.84	93.7	187260	
627.00 > 81.00	6.796	6.820	-0.024	1.081	4067281		0.89(0.42-1.26)	93.7	165243	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.808	6.822	-0.014	1.082	1806973	10.5		105	6707	
77 N-MeFOSE-M										
616.00 > 59.00	6.818	6.828	-0.010	1.002	9370815	49.3		98.7	77822	
78 NMeFOSA										
512.00 > 169.00	6.829	6.842	-0.013	1.000	6145256	51.5		103	64733	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.829	6.842	-0.013	1.086	1194289	10.8		108	31706	
80 PFDoS										
699.00 > 80.00	6.966	6.978	-0.012	1.168	30883192	50.3		104	908461	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.966	6.982	-0.016	1.108	1928514	10.3		103	12166	
82 N-EtFOSE-M										
630.00 > 59.00	6.975	6.991	-0.016	1.001	10332283	49.1		98.3	217154	
84 N-EtFOSA-M										
526.00 > 169.00	6.993	7.008	-0.015	1.000	6020930	49.8		99.7	54423	
85 Perfluorotridecanoic acid										
663.00 > 619.00	6.993	7.008	-0.015	1.029	25527791	50.0	Target=4.59	99.9	120771	
663.00 > 169.00	6.993	7.008	-0.015	1.029	6178848		4.13(2.29-6.88)	99.9	108772	
D 83 d5-NEtPFOSA										
531.00 > 169.00	6.993	7.004	-0.011	1.112	1129802	10.7		107	31814	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.172	7.189	-0.017	0.999	28933489	48.9	Target=5.25	97.8	115430	
713.00 > 169.00	7.172	7.189	-0.017	0.999	6060244		4.77(2.62-7.87)	97.8	144680	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.181	7.193	-0.012	1.142	7021269	10.1		101	237165	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.477	7.487	-0.010	1.041	37372184	49.5	Target=8.75	99.0	132501	
813.00 > 169.00	7.467	7.487	-0.020	1.040	4602930		8.12(4.38-13.13)	99.0	117476	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.709	7.719	-0.010	1.073	21900264	48.4	Target=8.07	96.8	233423	
913.00 > 169.00	7.701	7.719	-0.018	1.072	2807795		7.80(4.04-12.11)	96.8	107798	

QC Flag Legend

Processing Flags

Reagents:

PFC_STD_MOD6_00022 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:25:48 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-22.d

Injection Date: 21-Jul-2021 23:43:06 Instrument ID: 30733

Lims ID: IC CAL6

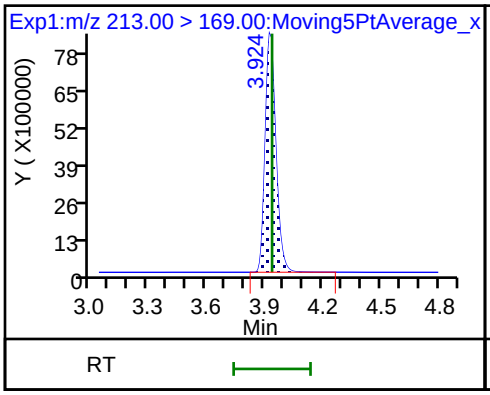
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20007 Worklist Smp#: 6

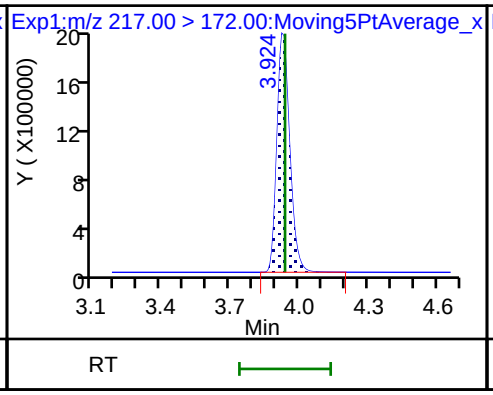
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

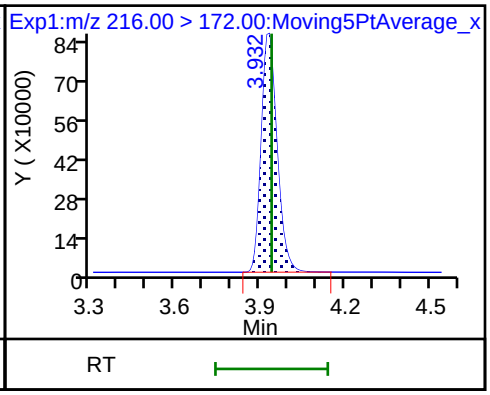
2 Perfluorobutanoic acid



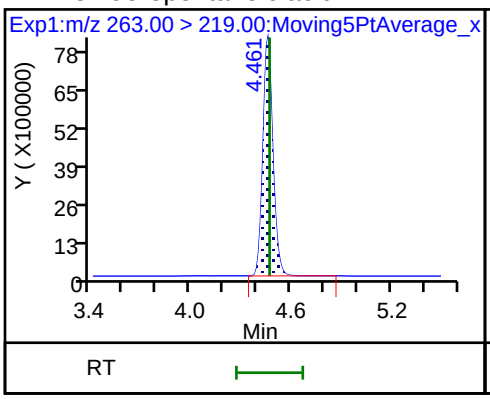
D 3 13C4 PFBA



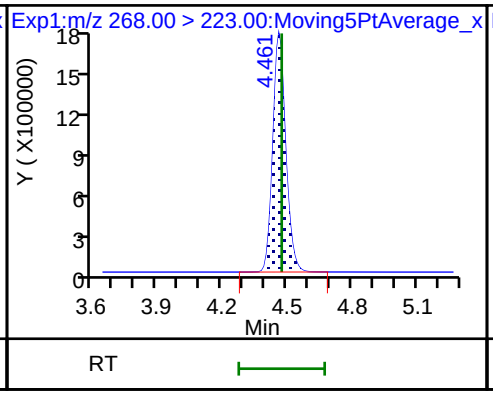
* 4 13C3-PFBA



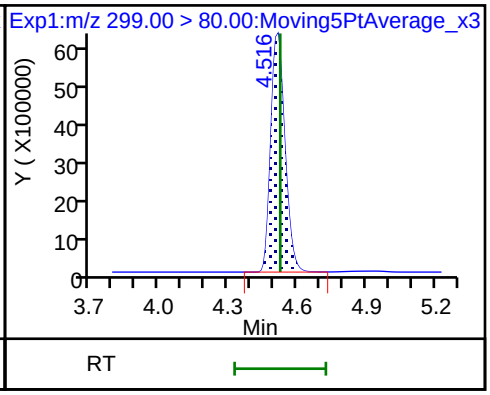
7 Perfluoropentanoic acid



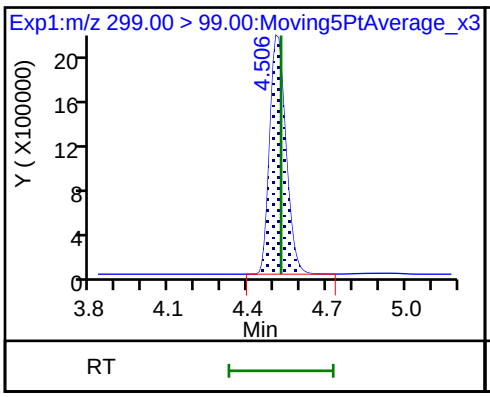
D 8 13C5 PFPeA



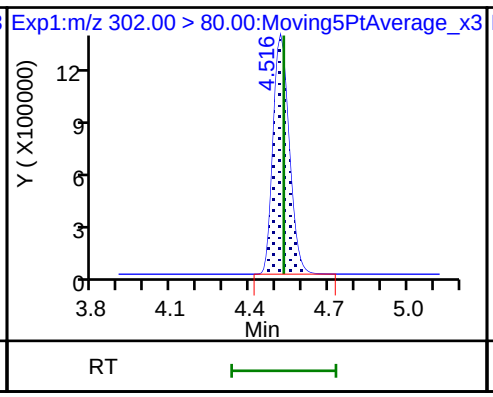
10 Perfluorobutanesulfonic acid



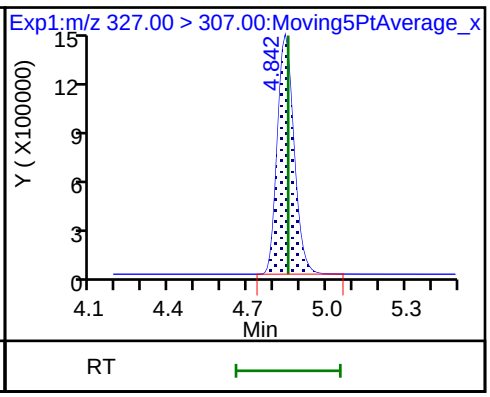
10 Perfluorobutanesulfonic acid



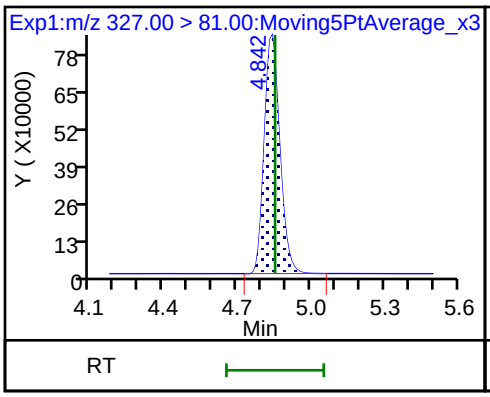
D 11 13C3 PFBS



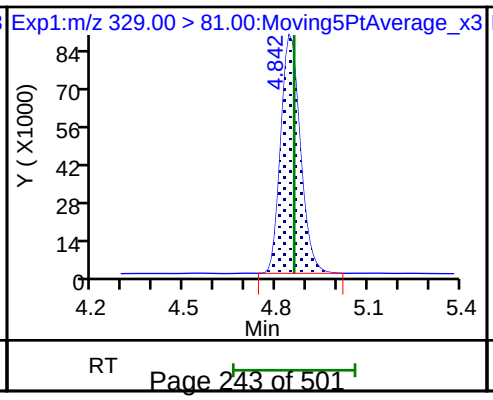
15 4:2 FTS



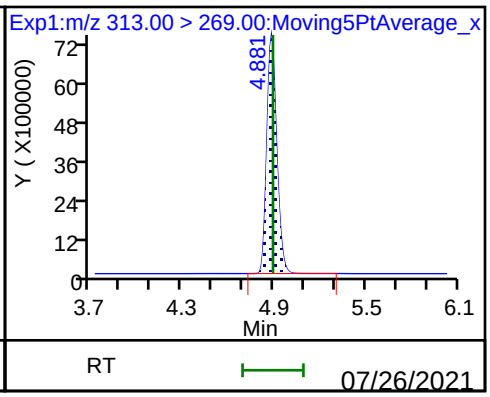
15 4:2 FTS



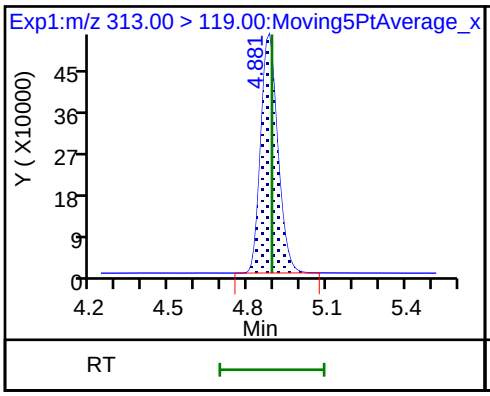
D 16 M2-4:2 FTS



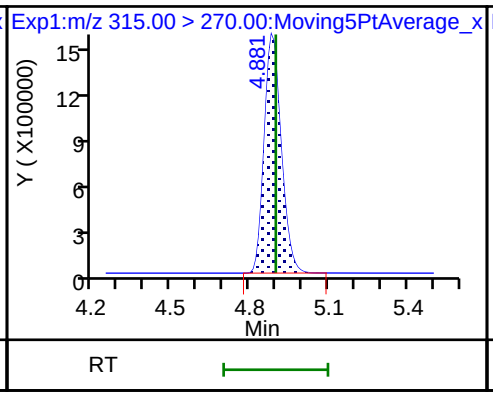
17 Perfluorohexanoic acid



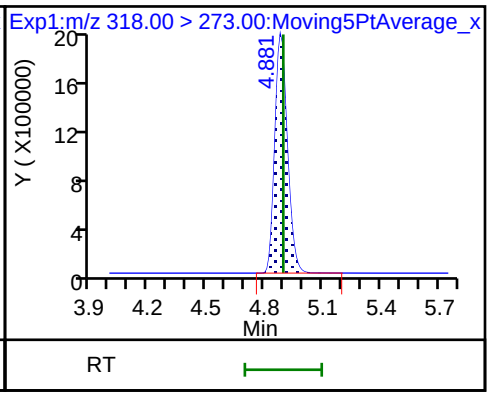
17 Perfluorohexanoic acid



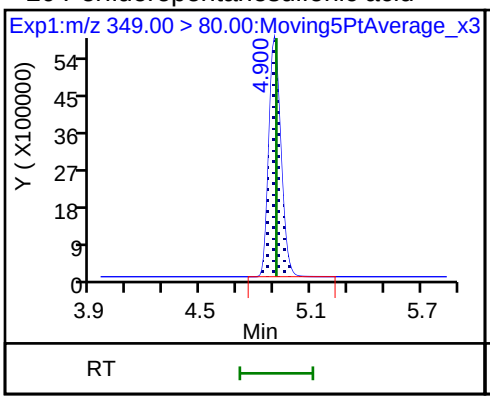
$ 18 13C2 PFHxA



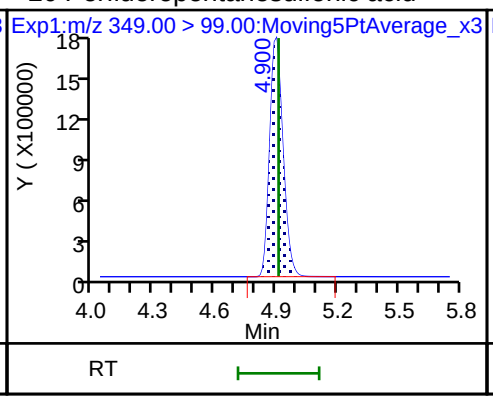
D 19 13C5 PFHxA



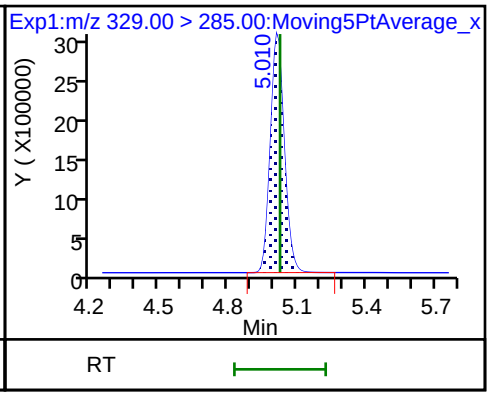
20 Perfluoropentanesulfonic acid



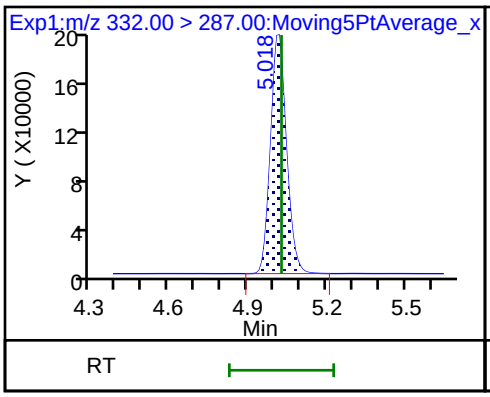
20 Perfluoropentanesulfonic acid



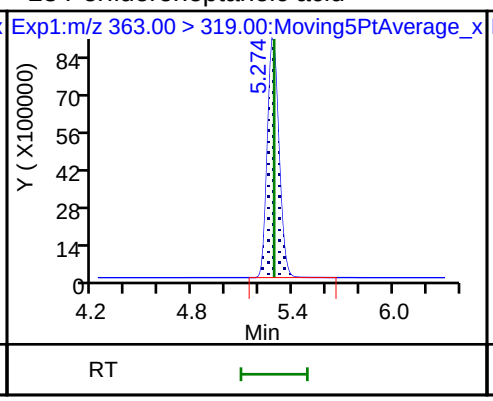
21 HFPO-DA



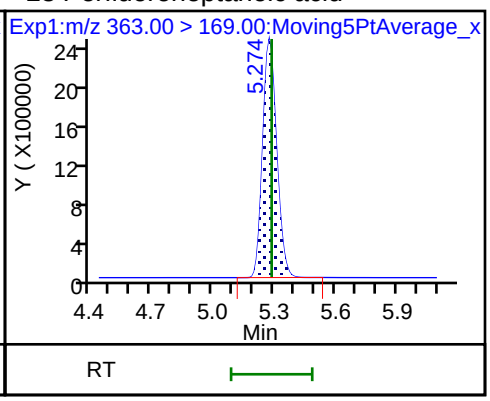
D 22 13C3 HFPO-DA



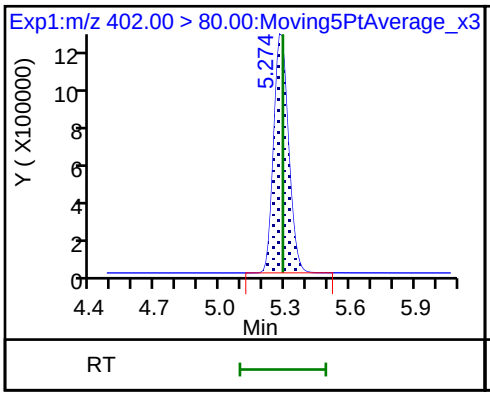
23 Perfluoroheptanoic acid



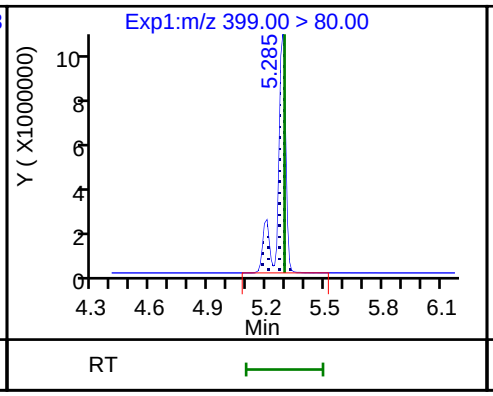
23 Perfluoroheptanoic acid



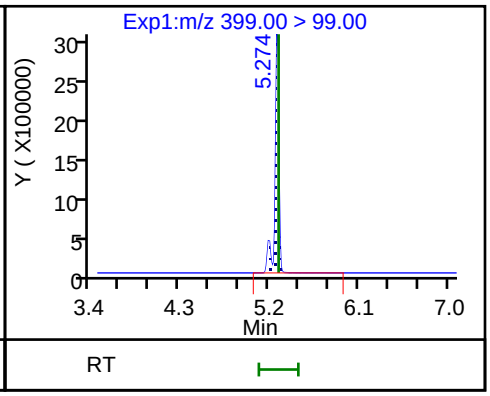
D 25 13C3 PFHxS



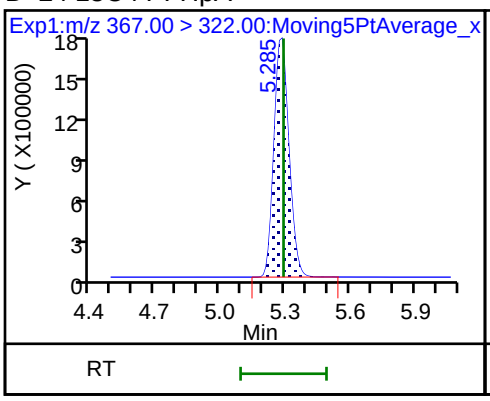
26 Perfluorohexanesulfonic acid



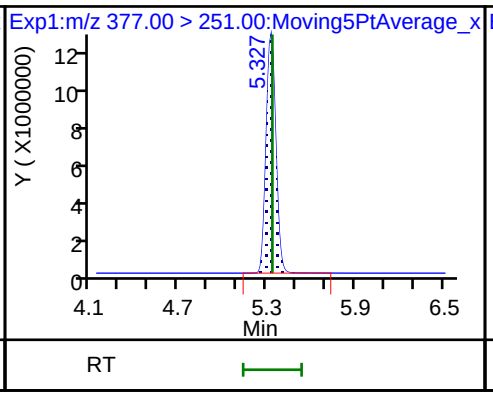
26 Perfluorohexanesulfonic acid



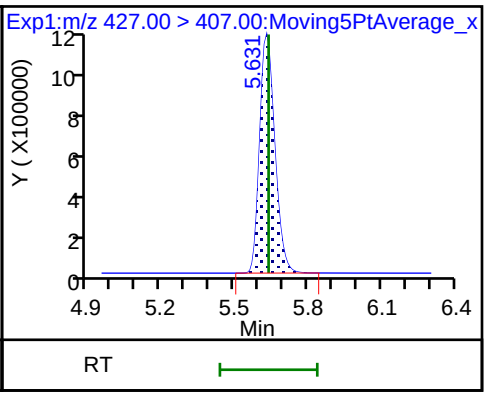
D 24 13C4 PFHpA



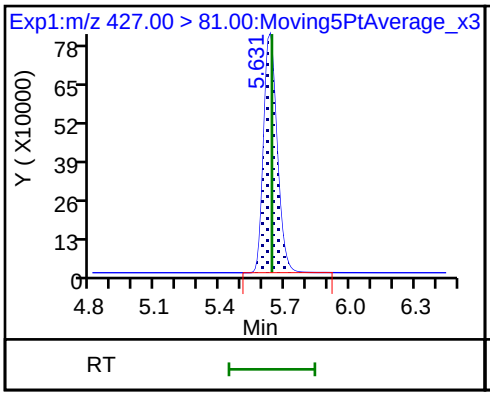
27 DONA



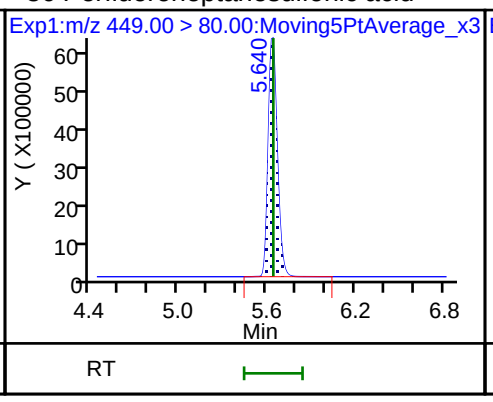
34 6:2 FTS



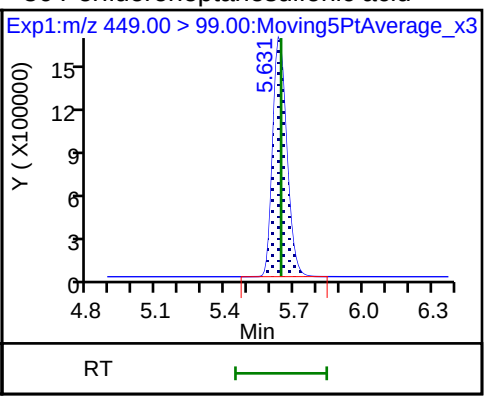
34 6:2 FTS



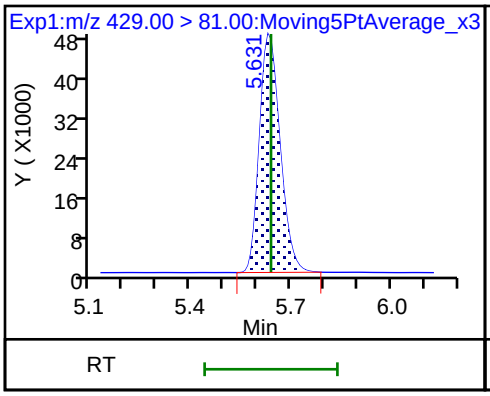
36 Perfluoroheptanesulfonic acid



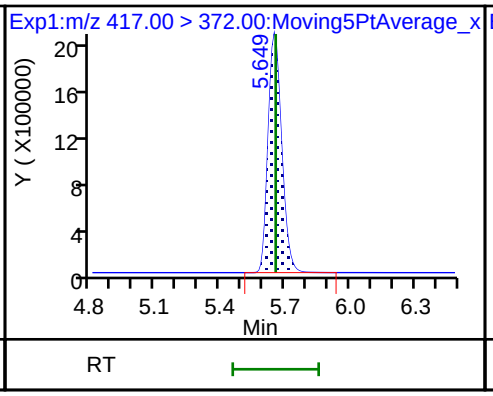
36 Perfluoroheptanesulfonic acid



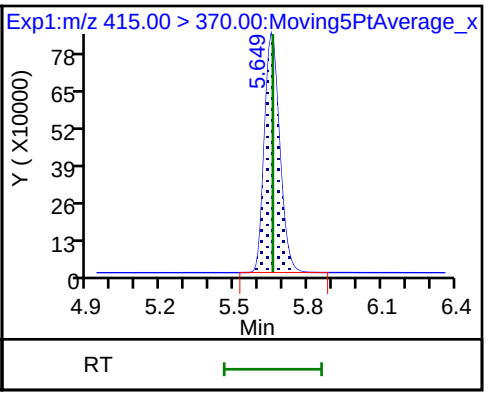
D 35 M2-6:2 FTS



$ 39 13C4 PFOA



* 38 13C2 PFOA



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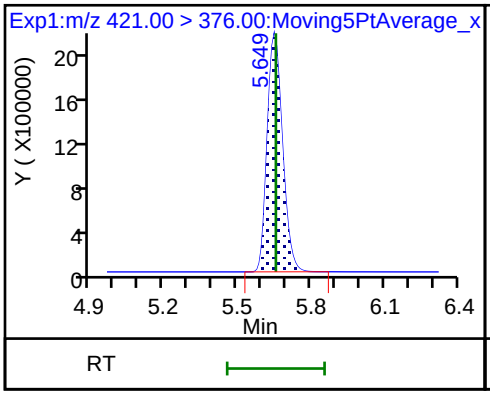
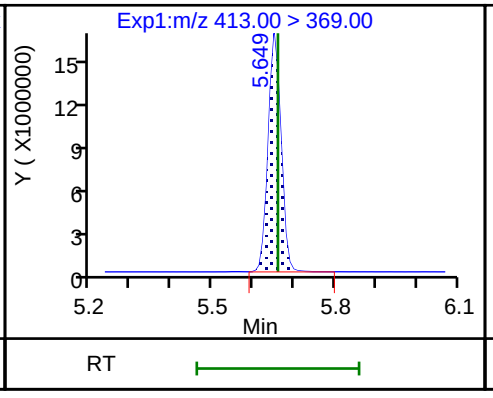
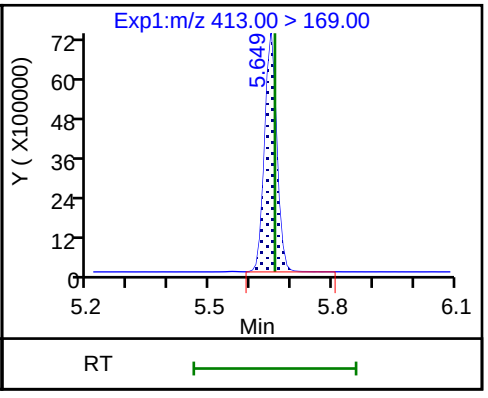


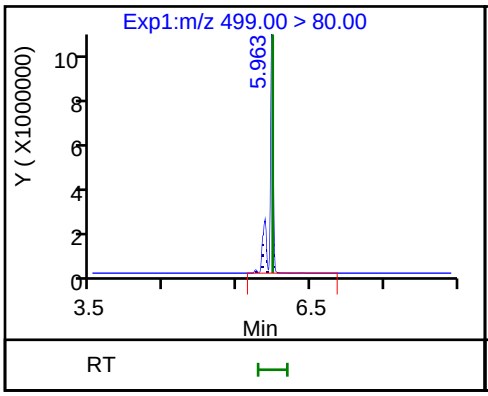
40 Perfluorooctanoic acid



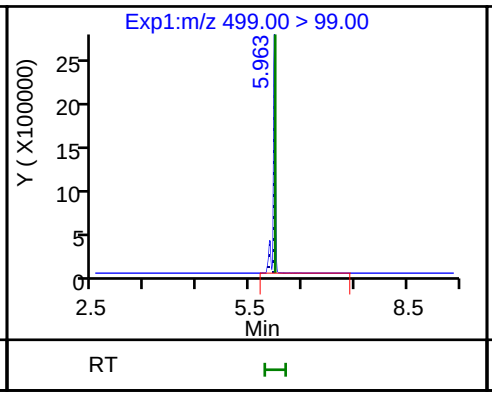
40 Perfluorooctanoic acid



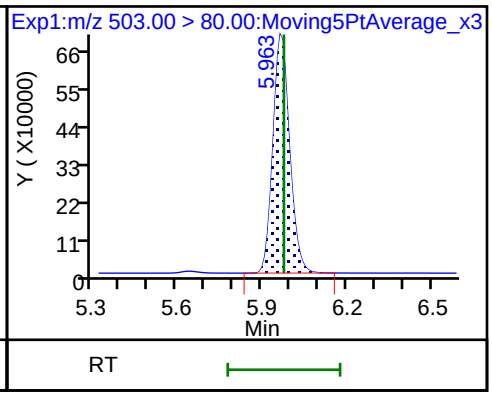
43 Perfluorooctanesulfonic acid



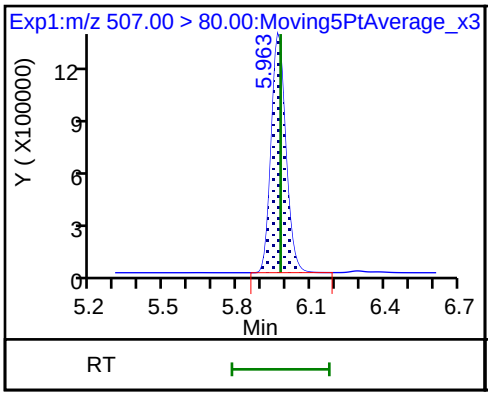
43 Perfluorooctanesulfonic acid



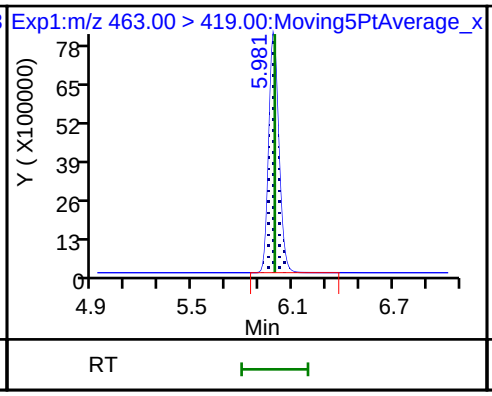
* 42 13C4 PFOS



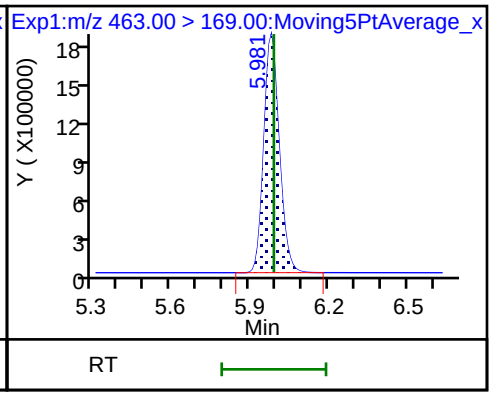
D 41 13C8 PFOS



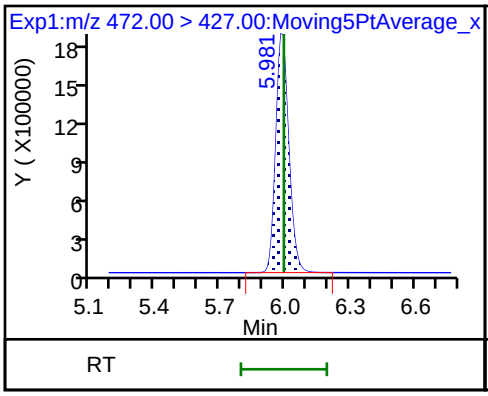
44 Perfluorononanoic acid



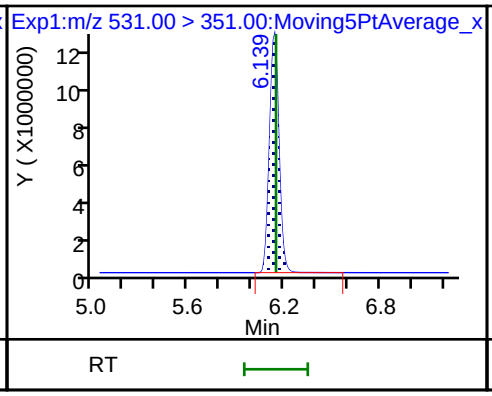
44 Perfluorononanoic acid



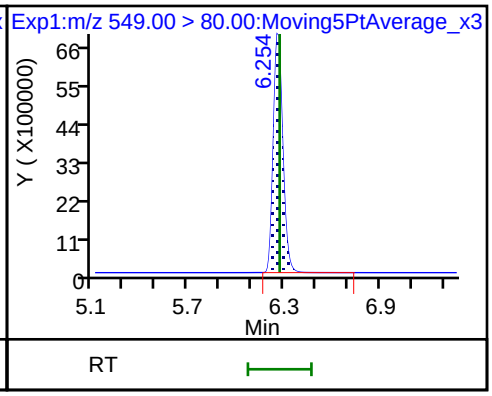
D 45 13C9 PFNA



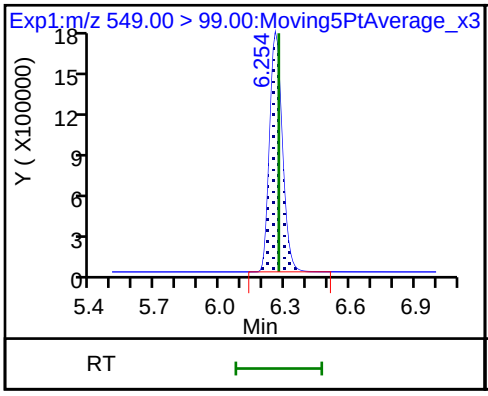
51 9ClFOS



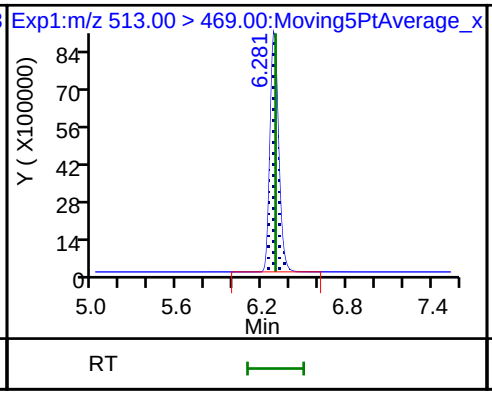
52 Perfluorononanesulfonic acid



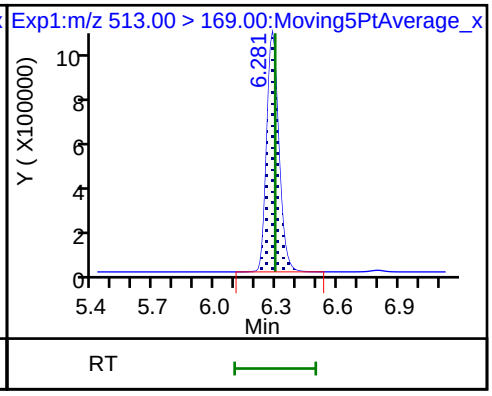
52 Perfluorononanesulfonic acid



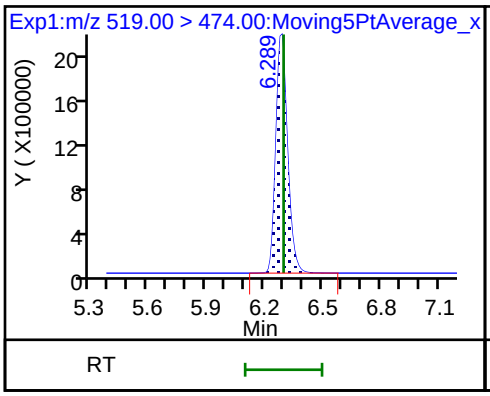
53 Perfluorodecanoic acid



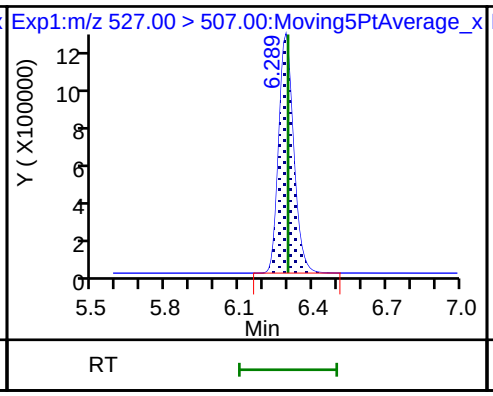
53 Perfluorodecanoic acid



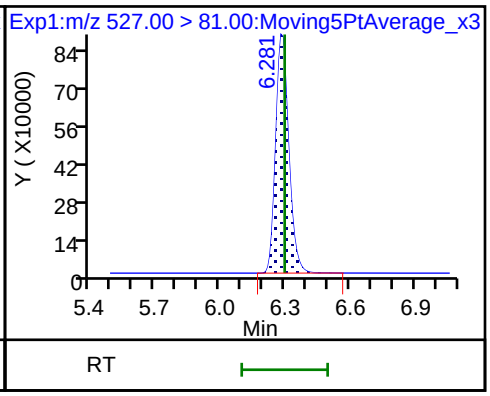
D 54 13C6 PFDA



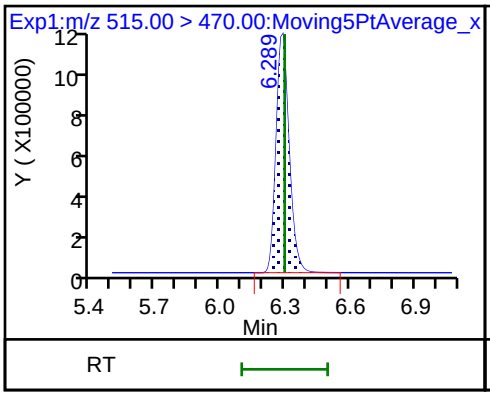
56 8:2 FTS



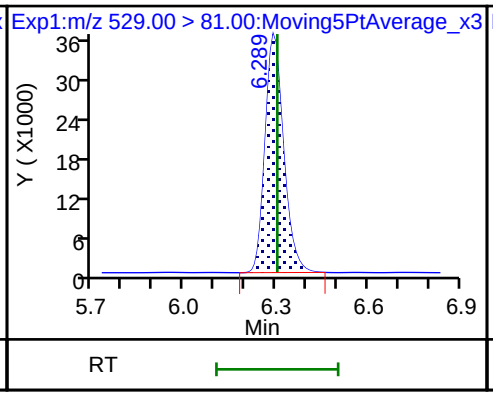
56 8:2 FTS



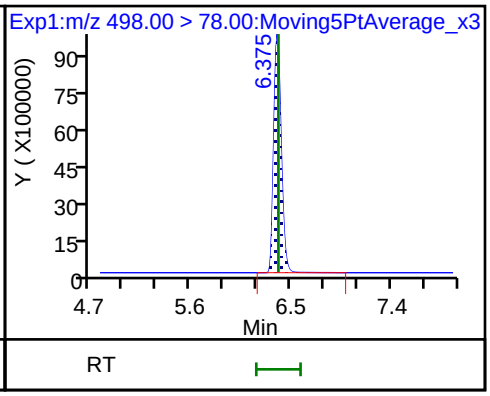
* 55 13C2 PFDA



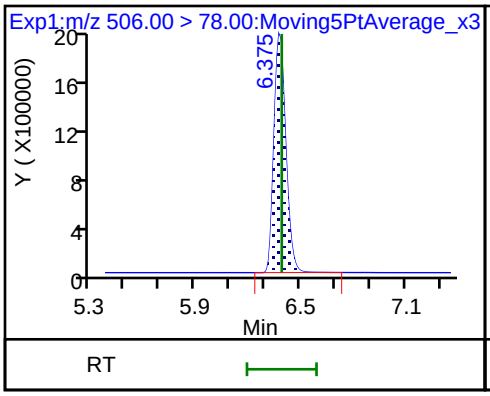
D 57 M2-8:2 FTS



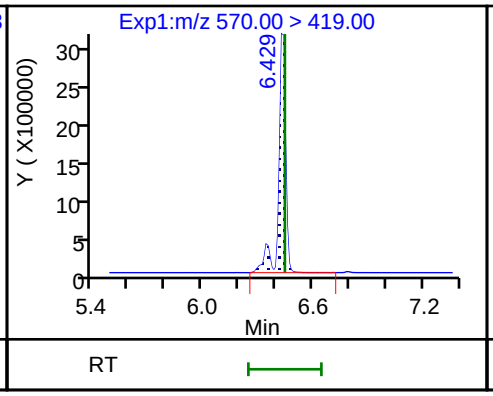
58 Perfluorooctanesulfonamide



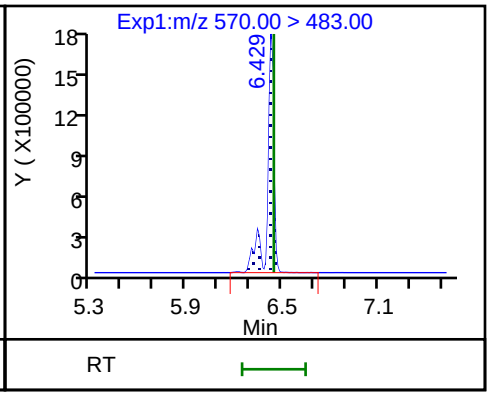
D 59 13C8 FOSA



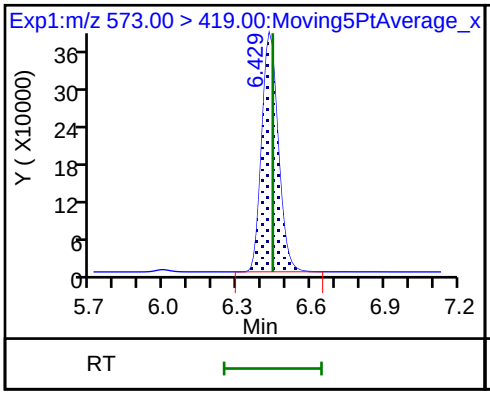
60 NMeFOSAA



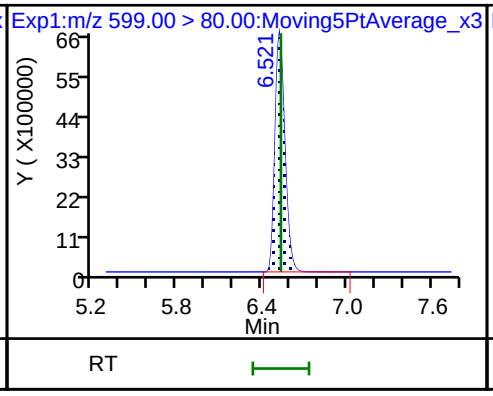
60 NMeFOSAA



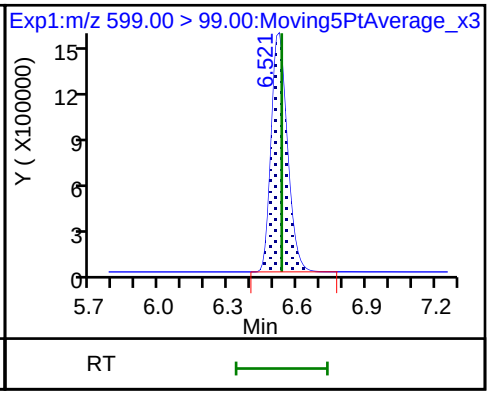
D 61 d3-NMeFOSAA



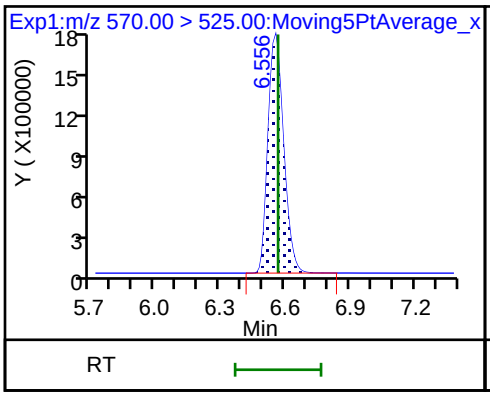
62 Perfluorodecanesulfonic acid



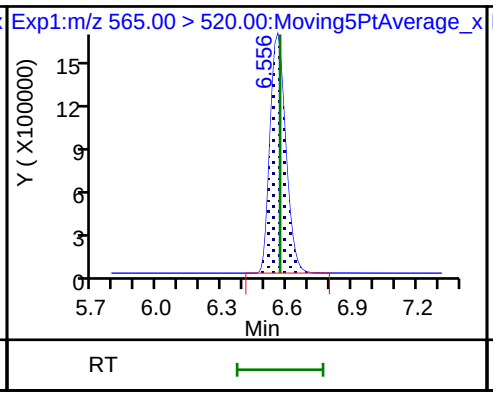
62 Perfluorodecanesulfonic acid



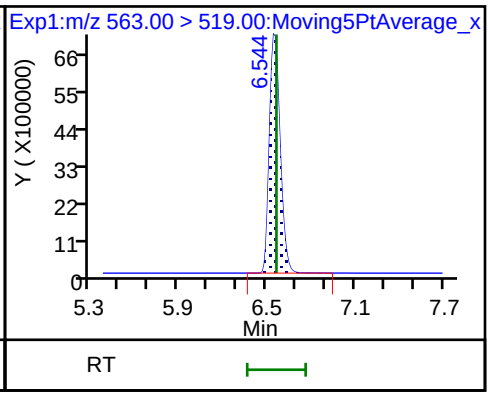
D 65 13C7 PFUnA



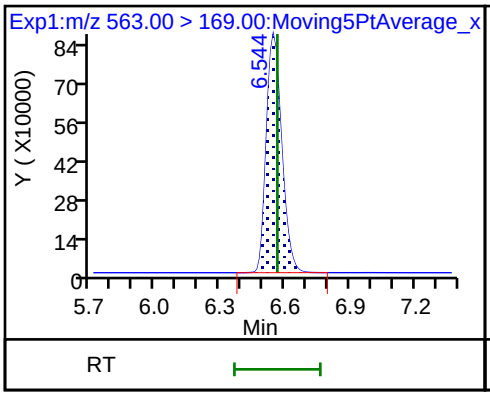
$ 64 13C2 PFUnA



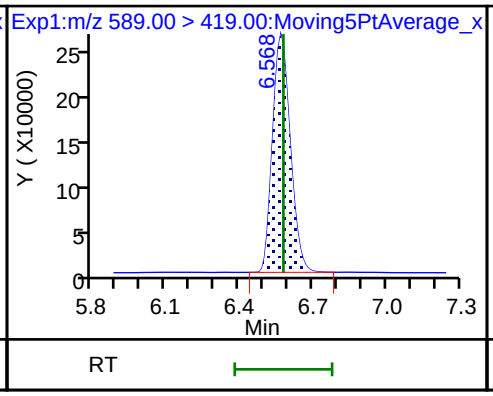
63 Perfluoroundecanoic acid



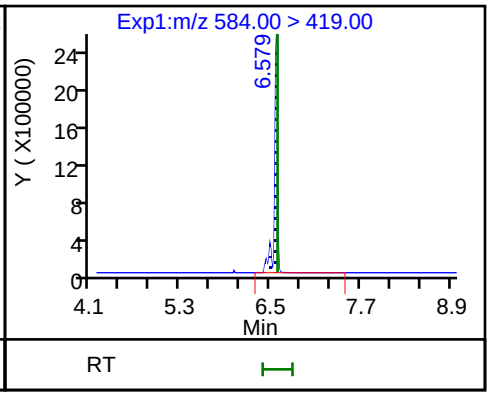
63 Perfluoroundecanoic acid



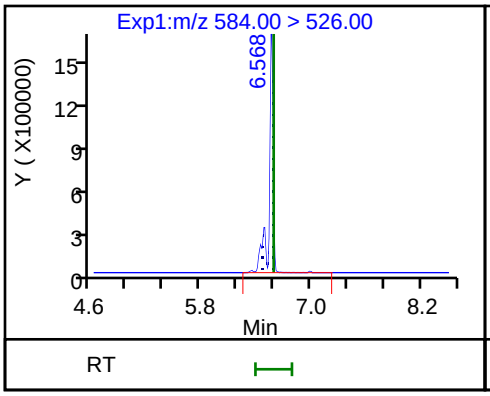
D 66 d5-NEtFOSAA



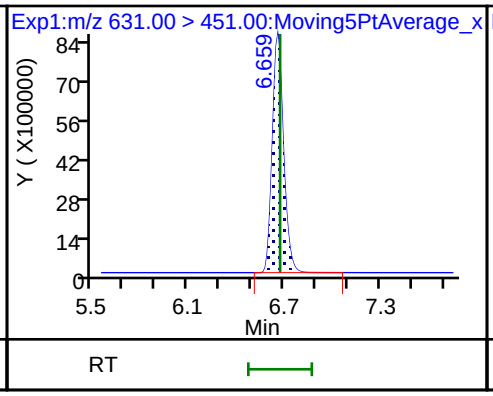
67 NEtFOSAA



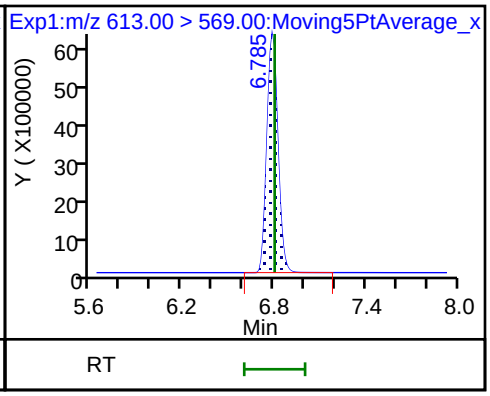
67 NEtFOSAA



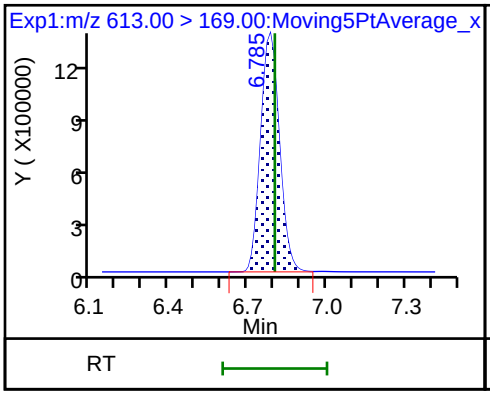
69 11ClFOS



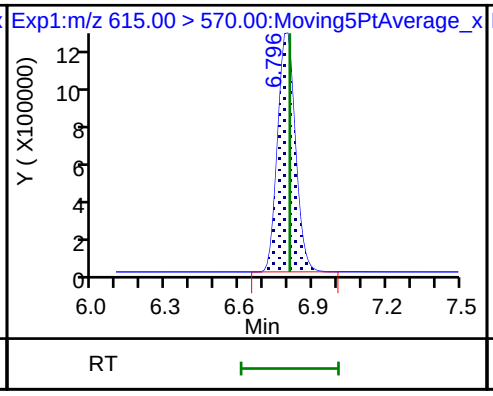
73 Perfluorododecanoic acid



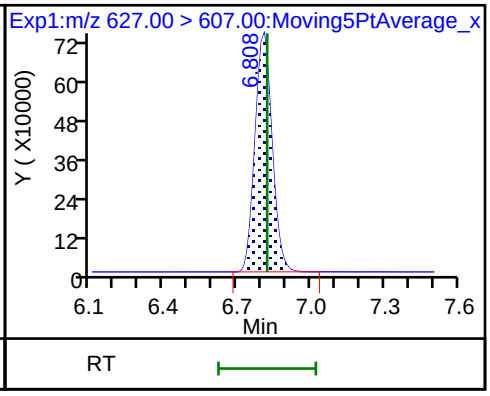
73 Perfluorododecanoic acid



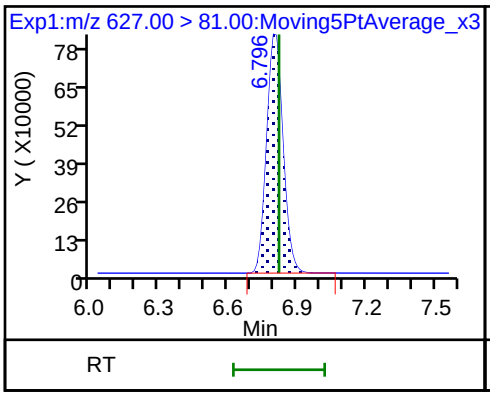
D 74 13C2-PFDoDA



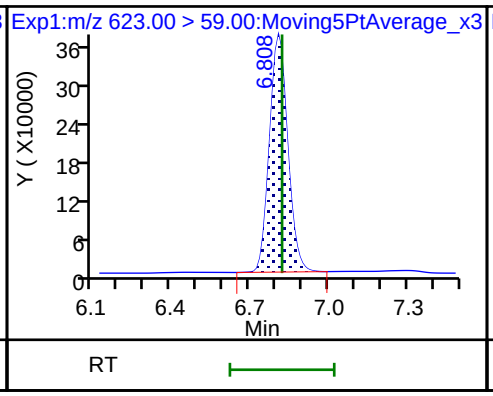
75 10:2 FTS



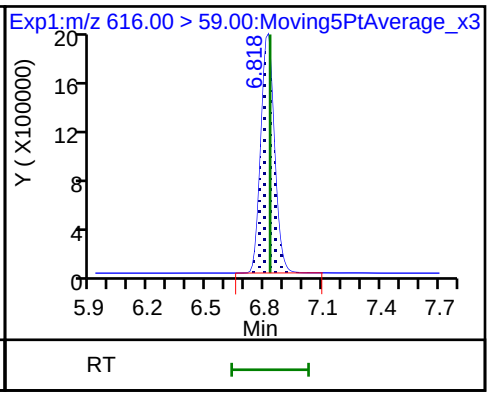
75 10:2 FTS



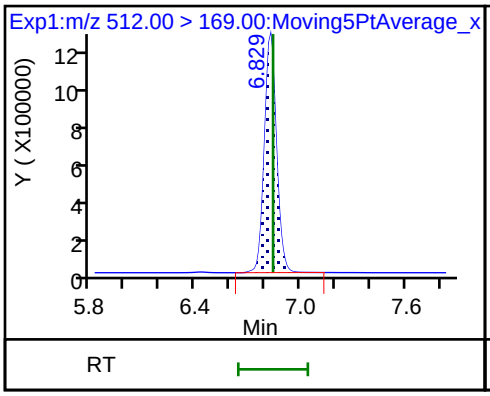
D 76 d7-N-MeFOSE-M



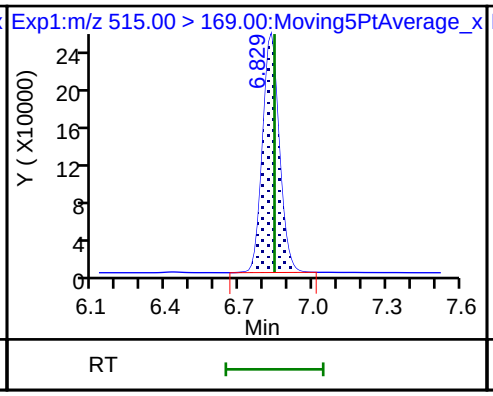
77 N-MeFOSE-M



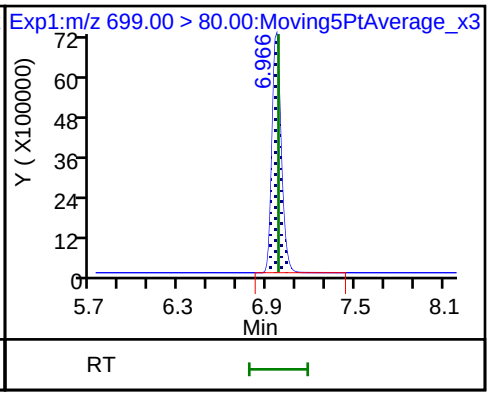
78 NMeFOSA



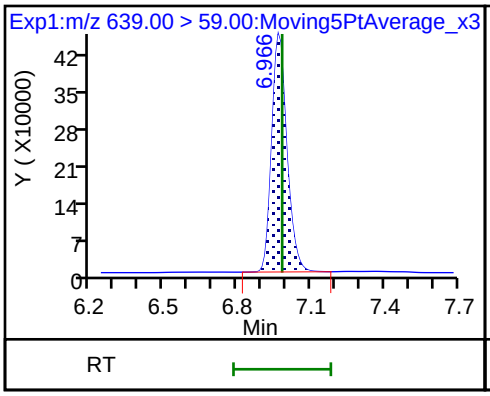
D 79 d3-NMePFOSA



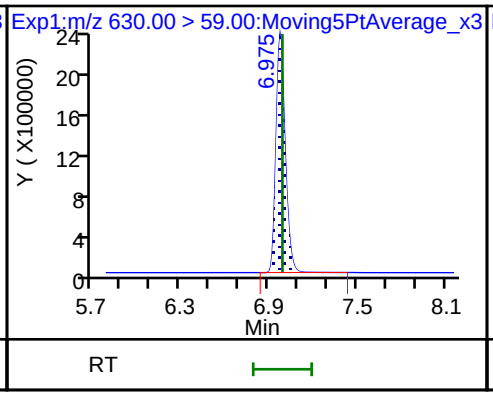
80 PFDoS



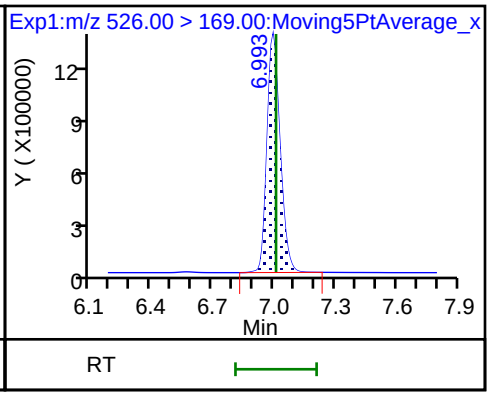
D 81 d9-N-EtFOSE-M



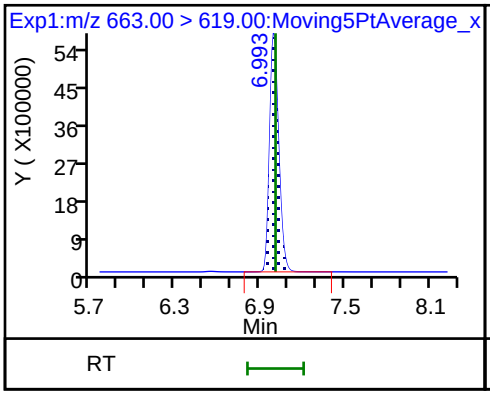
82 N-EtFOSE-M



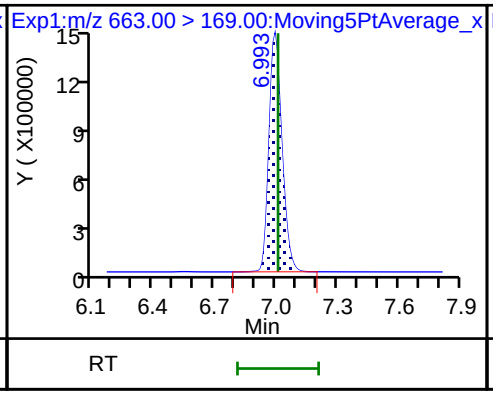
84 N-EtFOSA-M



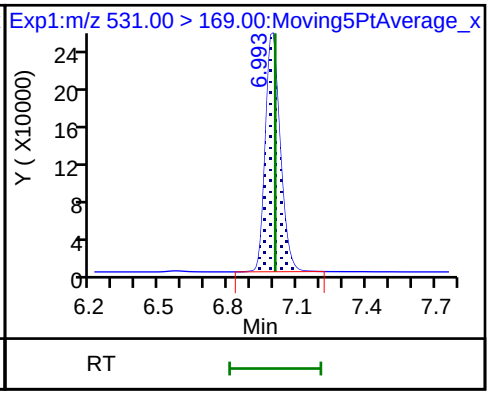
85 Perfluorotridecanoic acid



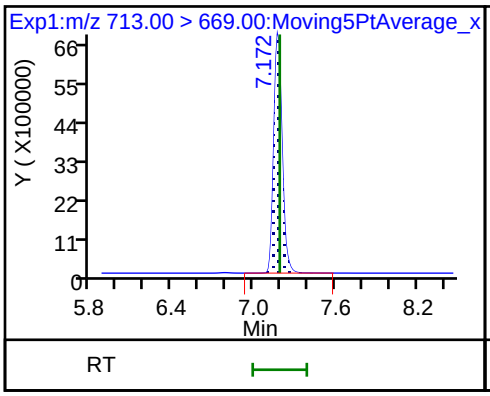
85 Perfluorotridecanoic acid



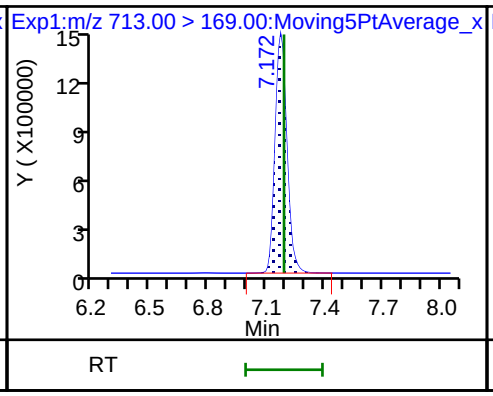
D 83 d5-NEtPFOSA



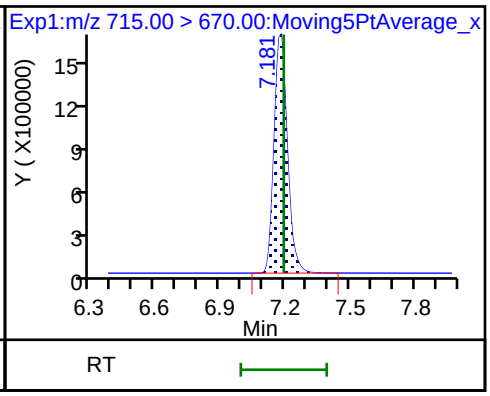
86 Perfluorotetradecanoic acid



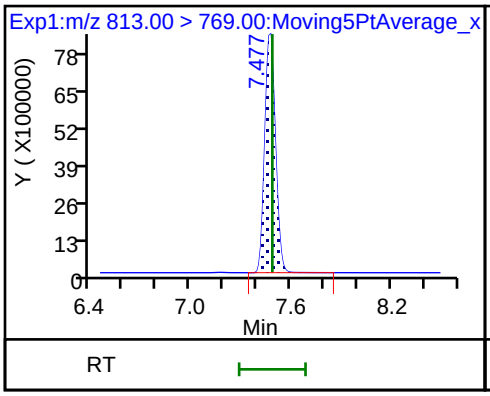
86 Perfluorotetradecanoic acid



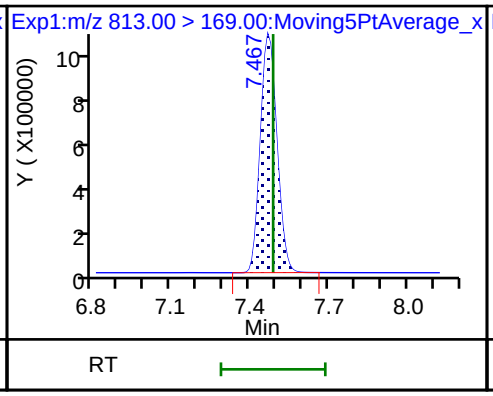
D 87 13C2 PFTeDA



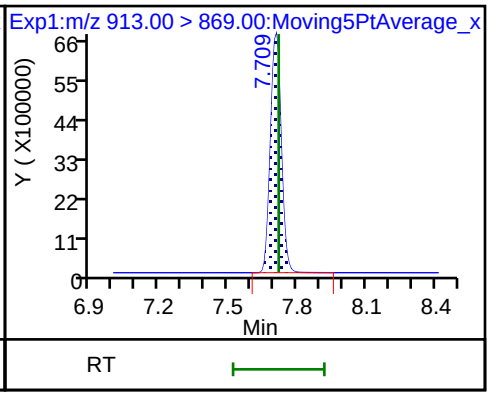
88 Perfluorohexadecanoic acid



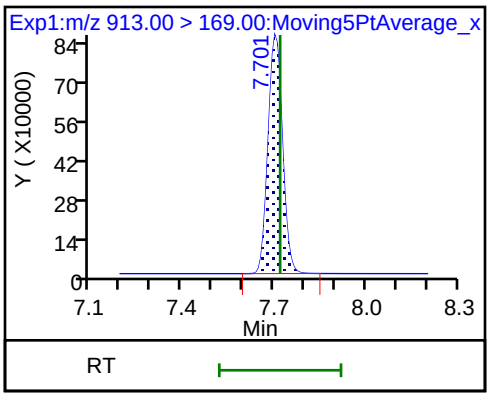
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d
Lims ID: IC CAL7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Jul-2021 23:54:11 ALS Bottle#: 20008 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL7
Misc. Info.: Plate: 1 Rack: 1 410-0034894-007
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 10:26:02 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1634

First Level Reviewer: chensh Date: 22-Jul-2021 07:51:37
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.924	3.938	-0.014	1.000	7599457	9.87		98.7	201246	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.924	3.938	-0.014	1.000	64653362	98.7		98.7	387846	
* 4 13C3-PFBA										
216.00 > 172.00	3.924	3.940	-0.016		3427998	5.00			23206	
D 8 13C5 PFPeA										
268.00 > 223.00	4.461	4.475	-0.015	1.137	6640266	9.32		93.2	176944	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.452	4.471	-0.019	0.998	61688191	98.3		98.3	127931	
D 11 13C3 PFBS										
302.00 > 80.00	4.515	4.528	-0.013	1.151	5275052	8.81		94.7	205783	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.506	4.525	-0.019	0.998	51537431	88.3	Target=3.13	99.8	68158	
299.00 > 99.00	4.506	4.525	-0.019	0.998	16321468		3.16(1.57-4.70)	99.8	61074	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.842	4.858	-0.016	0.858	383283	9.53		102	17429	
15 4:2 FTS										
327.00 > 307.00	4.832	4.853	-0.021	0.998	12954352	94.1	Target=1.61	101	327045	
327.00 > 81.00	4.832	4.853	-0.021	0.998	7482671		1.73(0.81-2.42)	101	214388	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.871	4.891	-0.020	0.998	58238983	97.3	Target=14.88	97.3	267325	
313.00 > 119.00	4.871	4.891	-0.020	0.998	4379238		13.30(7.44-22.32)	97.3	89538	
D 19 13C5 PFHxA										
318.00 > 273.00	4.881	4.896	-0.015	0.865	7927601	9.63		96.3	176551	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.881	4.898	-0.017	0.865	6759101	10.6		106	216352	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.890	4.911	-0.021	1.083	50340942	92.9	Target=3.52	99.1	1839349	
349.00 > 99.00	4.890	4.911	-0.021	1.083	14482875		3.48(1.76-5.28)	99.1	537793	
21 HFPO-DA										
329.00 > 285.00	5.010	5.025	-0.015	1.000	23418991	100.7		101	189899	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.010	5.027	-0.017	0.888	743759	9.80		98.0	44251	
D 25 13C3 PFHxS										
402.00 > 80.00	5.274	5.289	-0.015	0.935	5762963	9.93		105	203330	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.274	5.286	-0.012	1.000	76045373	91.9	Target=3.85	91.9	505819	
363.00 > 169.00	5.264	5.286	-0.022	0.998	21604595		3.52(1.93-5.78)	91.9	267724	
D 24 13C4 PFHpA										
367.00 > 322.00	5.274	5.292	-0.018	0.935	8014480	9.50		95.0	167849	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.274	5.292	-0.018	1.000	54554553	91.3	Target=3.51	100	3371476	
399.00 > 99.00	5.264	5.292	-0.028	0.998	15232897		3.58(1.75-5.26)	100	33189	
27 DONA										
377.00 > 251.00	5.317	5.336	-0.019	1.008	98635673	92.1		97.5	2669561	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.621	5.640	-0.019	0.997	187538	8.40		88.5	14487	
34 6:2 FTS										
427.00 > 407.00	5.621	5.638	-0.017	1.000	8749275	94.1	Target=1.43	99.3	407840	
427.00 > 81.00	5.621	5.638	-0.017	1.000	6250963		1.40(0.72-2.15)	99.3	246432	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.630	5.642	-0.012	1.068	51183620	94.2	Target=3.86	98.9	4008499	
449.00 > 99.00	5.621	5.642	-0.021	1.066	13728672		3.73(1.93-5.79)	98.9	295321	
D 37 13C8 PFOA										
421.00 > 376.00	5.640	5.656	-0.016	1.000	8452642	9.23		92.3	176838	
$ 39 13C4 PFOA										
417.00 > 372.00	5.640	5.656	-0.016	1.000	7885321	9.32		93.2	225931	
* 38 13C2 PFOA										
415.00 > 370.00	5.640	5.656	-0.016		3351873	5.00			154343	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.649	5.659	-0.010	1.002	62331522	98.7	Target=2.48	98.7	942019	
413.00 > 169.00	5.640	5.659	-0.019	1.000	26117245		2.39(1.24-3.72)	98.7	685691	
D 41 13C8 PFOS										
507.00 > 80.00	5.963	5.975	-0.012	1.000	5599483	9.52		99.6	16803	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.963	5.977	-0.014	1.000	58880364	92.0	Target=4.45	99.4	133172	
499.00 > 99.00	5.954	5.977	-0.023	0.999	12680381		4.64(2.23-6.68)	99.4	17525	
* 42 13C4 PFOS										
503.00 > 80.00	5.963	5.977	-0.014		2722185	4.78			20045	
D 45 13C9 PFNA										
472.00 > 427.00	5.981	5.994	-0.013	1.003	7722357	9.46		94.6	206853	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
44 Perfluorononanoic acid										
463.00 > 419.00	5.981	5.990	-0.009	1.000	60196613	90.5	Target=4.83	90.5	515418	
463.00 > 169.00	5.981	5.990	-0.009	1.000	14186391		4.24(2.42-7.25)	90.5	287914	
51 9ClFOS										
531.00 > 351.00	6.139	6.147	-0.008	1.029	92398640	80.9		87.0	5580089	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.263	6.270	-0.007	1.050	54939683	93.5	Target=4.19	97.4	608972	
549.00 > 99.00	6.254	6.270	-0.016	1.049	13771062		3.99(2.09-6.28)	97.4	569594	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.280	6.294	-0.014	0.999	64672106	90.2	Target=10.20	90.2	807869	
513.00 > 169.00	6.280	6.294	-0.014	0.999	7383424		8.76(5.10-15.29)	90.2	36668	
56 8:2 FTS										
527.00 > 507.00	6.289	6.298	-0.009	1.000	9128123	95.7	Target=1.44	99.9	311934	
527.00 > 81.00	6.289	6.298	-0.009	1.000	6138197		1.49(0.72-2.16)	99.9	293348	
* 55 13C2 PFDA										
515.00 > 470.00	6.289	6.298	-0.009		4492125	5.00			180502	
D 54 13C6 PFDA										
519.00 > 474.00	6.289	6.298	-0.009	1.000	8210999	9.62		96.2	330095	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.289	6.303	-0.014	1.000	130112	8.91		93.0	10317	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.375	6.386	-0.011	1.000	83643239	98.2		98.2	1617662	
D 59 13C8 FOSA										
506.00 > 78.00	6.375	6.392	-0.017	1.014	8606092	10.2		102	86985	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.429	6.443	-0.015	1.022	1701015	11.0		110	16563	
60 NMeFOSAA										
570.00 > 419.00	6.439	6.446	-0.007	1.002	15088870	99.3	Target=1.62	99.3	736724	
570.00 > 483.00	6.429	6.446	-0.018	1.000	9195447		1.64(0.81-2.44)	99.3	3686129	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.521	6.532	-0.011	1.093	63316075	96.0	Target=4.24	99.5	1641038	
599.00 > 99.00	6.521	6.532	-0.011	1.093	14751943		4.29(2.12-6.36)	99.5	382578	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.544	6.564	-0.020	0.998	59863142	92.0	Target=8.77	92.0	218853	
563.00 > 169.00	6.544	6.564	-0.020	0.998	7672597		7.80(4.39-13.16)	92.0	257587	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.556	6.567	-0.011	1.162	7542928	9.69		96.9	252191	
D 65 13C7 PFUnA										
570.00 > 525.00	6.556	6.567	-0.011	1.042	7875054	9.68		96.8	315526	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.567	6.579	-0.012	1.044	1275534	10.7		107	21190	
67 NEtFOSAA										
584.00 > 419.00	6.579	6.592	-0.013	1.002	11548832	94.7	Target=1.47	94.7	171690	
584.00 > 526.00	6.567	6.592	-0.025	1.000	8322993		1.39(0.74-2.21)	94.7	345963	
69 11ClFOS										
631.00 > 451.00	6.658	6.673	-0.015	1.117	77650365	84.6		91.0	3988644	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
73 Perfluorododecanoic acid										
613.00 > 569.00	6.784	6.802	-0.018	1.000	57922090	91.6	Target=5.09	91.6	771946	
613.00 > 169.00	6.784	6.802	-0.018	1.000	11598307		4.99(2.54-7.63)	91.6	287110	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.784	6.805	-0.021	1.079	6305814	10.1		101	158409	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.807	6.822	-0.015	1.082	1736786	10.6		106	5548	
75 10:2 FTS										
627.00 > 607.00	6.807	6.820	-0.013	1.082	6720982	98.2	Target=0.84	102	230644	
627.00 > 81.00	6.796	6.820	-0.024	1.081	7771661		0.86(0.42-1.26)	102	198051	
77 N-MeFOSE-M										
616.00 > 59.00	6.807	6.828	-0.021	1.000	18494198	101.3		101	105784	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.828	6.842	-0.014	1.086	1192618	11.4		114	31568	
78 NMeFOSA										
512.00 > 169.00	6.828	6.842	-0.014	1.000	11591154	97.2		97.2	69226	
80 PFDoS										
699.00 > 80.00	6.956	6.978	-0.022	1.167	58037064	92.7		95.8	1688471	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.965	6.982	-0.017	1.108	1808675	10.1		101	11420	
82 N-EtFOSE-M										
630.00 > 59.00	6.975	6.991	-0.016	1.001	19704595	99.9		99.9	284381	
D 83 d5-NEtPFOSA										
531.00 > 169.00	6.984	7.004	-0.020	1.110	1068648	10.6		106	30406	
84 N-EtFOSA-M										
526.00 > 169.00	6.993	7.008	-0.015	1.001	11399111	99.7		99.7	88176	
85 Perfluorotridecanoic acid										
663.00 > 619.00	6.993	7.008	-0.015	1.031	44798768	89.8	Target=4.59	89.8	259427	
663.00 > 169.00	6.993	7.008	-0.015	1.031	11294906		3.97(2.29-6.88)	89.8	232430	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.172	7.189	-0.017	1.000	50938627	88.7	Target=5.25	88.7	195761	
713.00 > 169.00	7.172	7.189	-0.017	1.000	10639062		4.79(2.62-7.87)	88.7	191823	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.172	7.193	-0.021	1.140	6813887	10.3		103	229754	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.467	7.487	-0.020	1.041	66159518	90.3	Target=8.75	90.3	277366	
813.00 > 169.00	7.467	7.487	-0.020	1.041	8806612		7.51(4.38-13.13)	90.3	181546	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.701	7.719	-0.018	1.074	40661454	92.6	Target=8.07	92.6	354279	
913.00 > 169.00	7.701	7.719	-0.018	1.074	5304007		7.67(4.04-12.11)	92.6	200555	

QC Flag Legend

Processing Flags

Reagents:

PFC_STD_MOD7_00021 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 10:26:04 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Injection Date: 21-Jul-2021 23:54:11 Instrument ID: 30733

Lims ID: IC CAL7

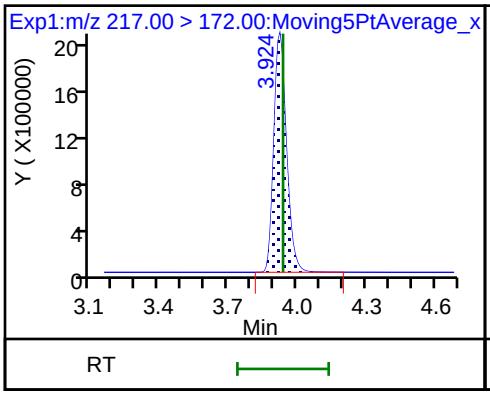
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20008 Worklist Smp#: 7

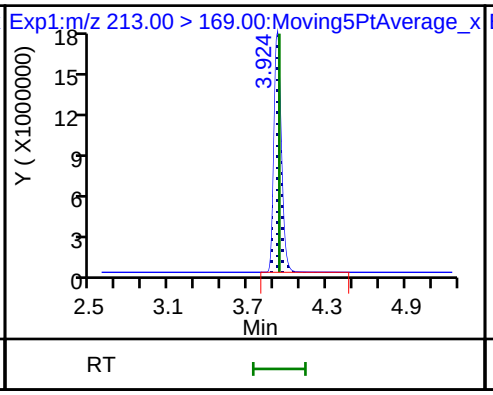
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

D 3 13C4 PFBA



2 Perfluorobutanoic acid



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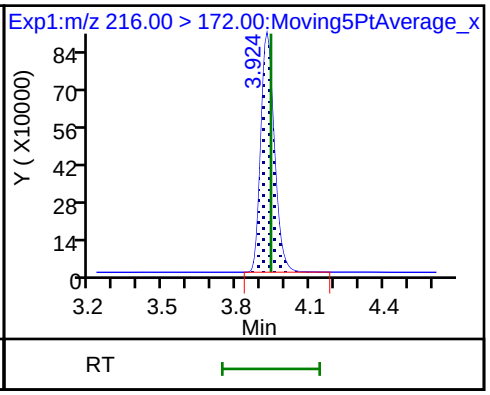
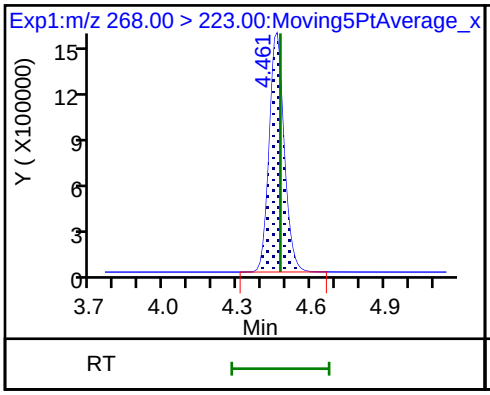
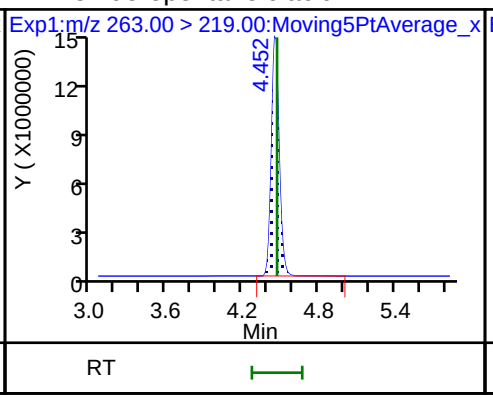


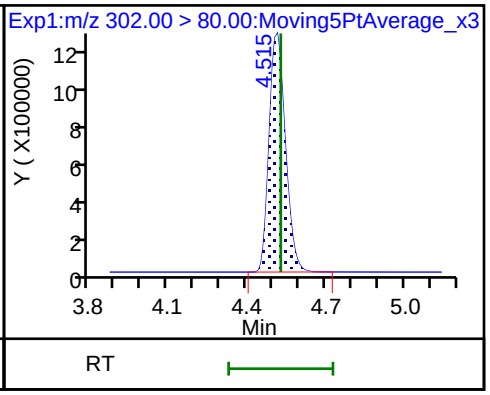
D 8 13C5 PFPeA



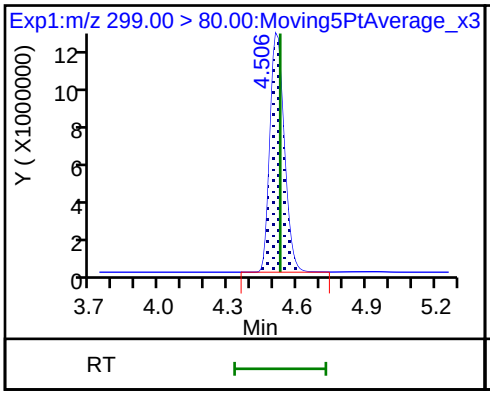
7 Perfluoropentanoic acid



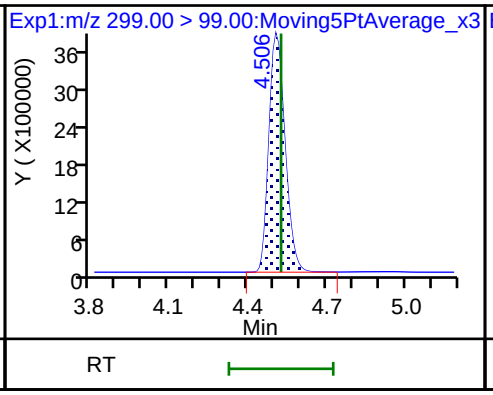
D 11 13C3 PFBS



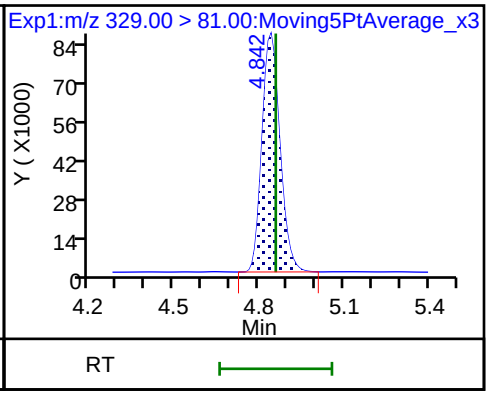
10 Perfluorobutanesulfonic acid



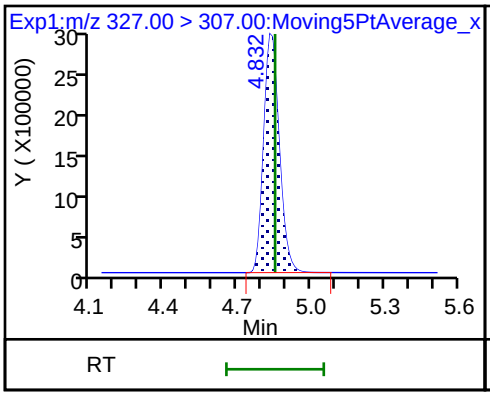
10 Perfluorobutanesulfonic acid



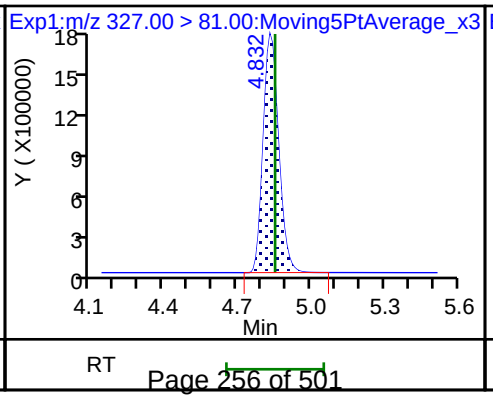
D 16 M2-4:2 FTS



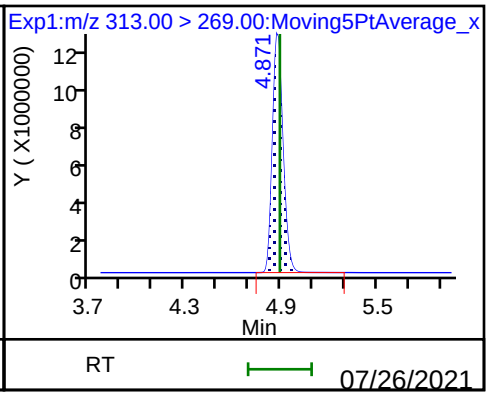
15 4:2 FTS



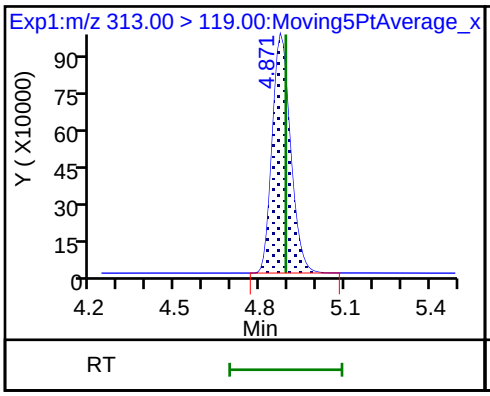
15 4:2 FTS



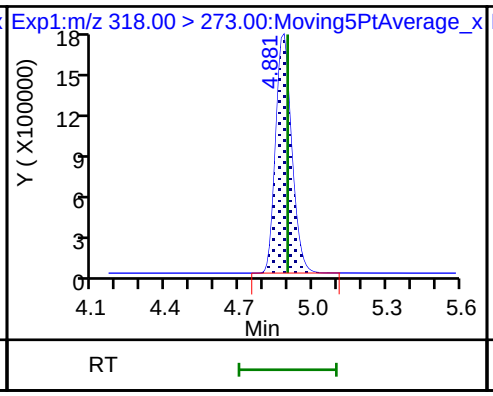
17 Perfluorohexanoic acid



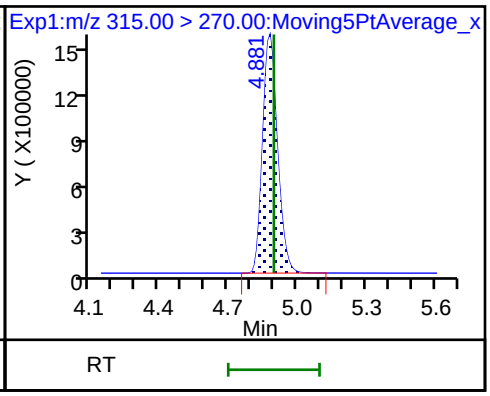
17 Perfluorohexanoic acid



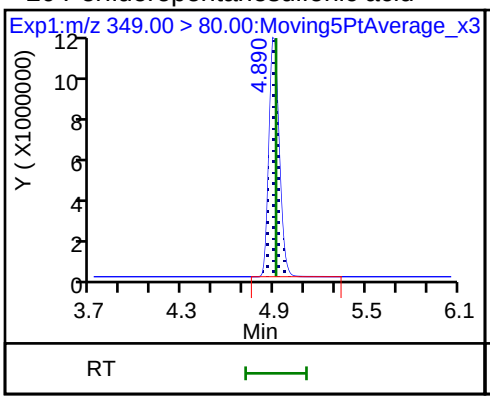
D 19 13C5 PFHxA



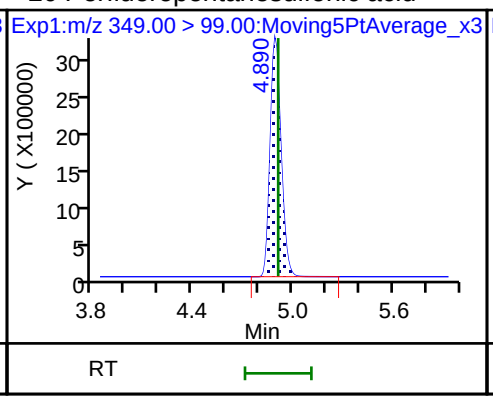
$ 18 13C2 PFHxA



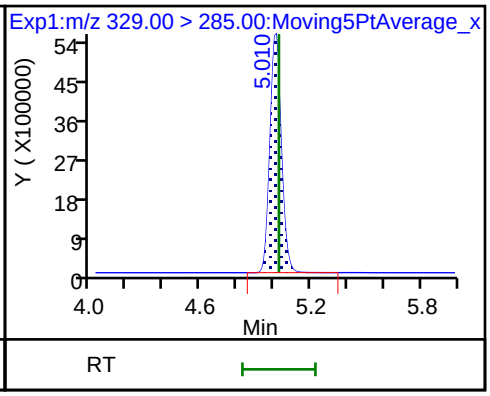
20 Perfluoropentanesulfonic acid



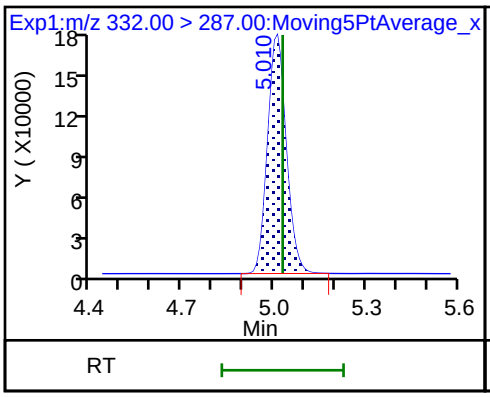
20 Perfluoropentanesulfonic acid



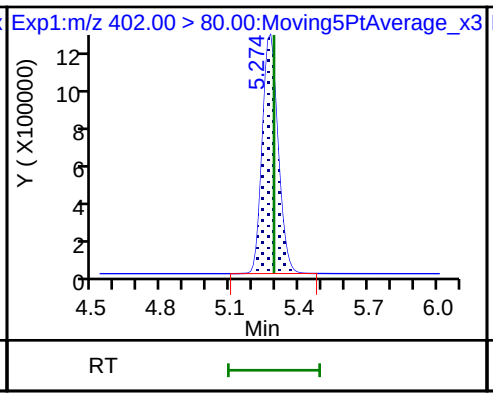
21 HFPO-DA



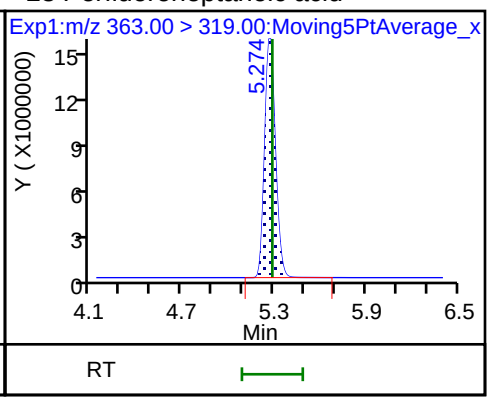
D 22 13C3 HFPO-DA



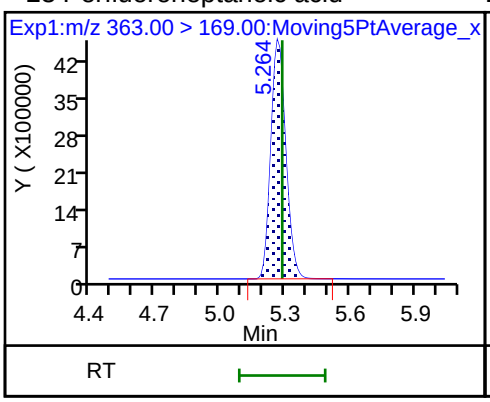
D 25 13C3 PFHxS



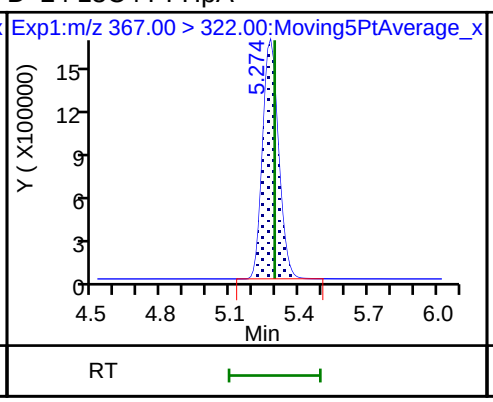
23 Perfluoroheptanoic acid



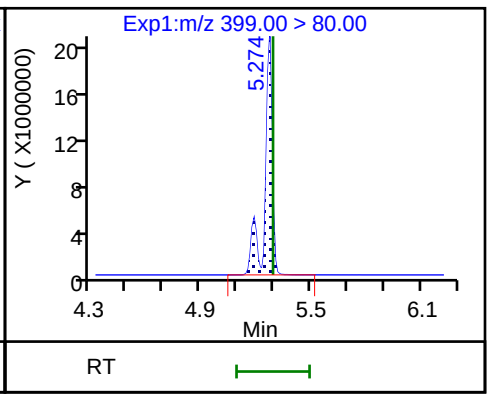
23 Perfluoroheptanoic acid



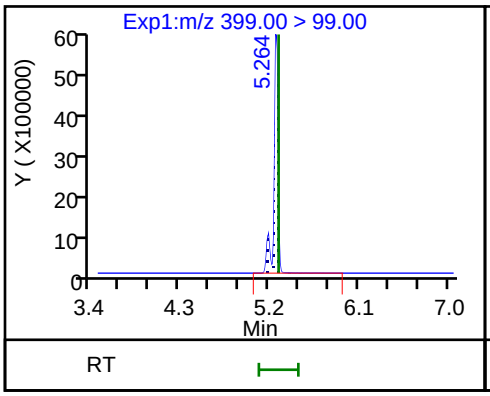
D 24 13C4 PFHpA



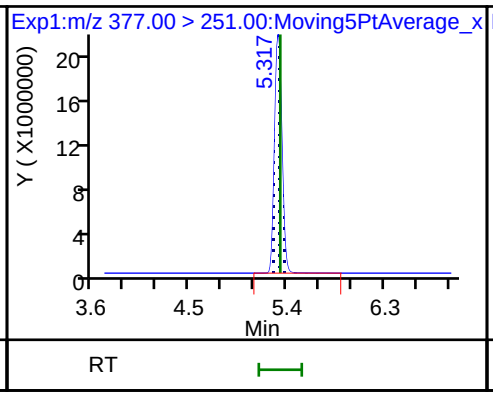
26 Perfluorohexanesulfonic acid



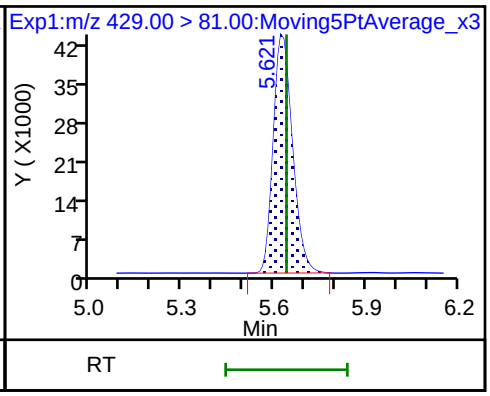
26 Perfluorohexanesulfonic acid



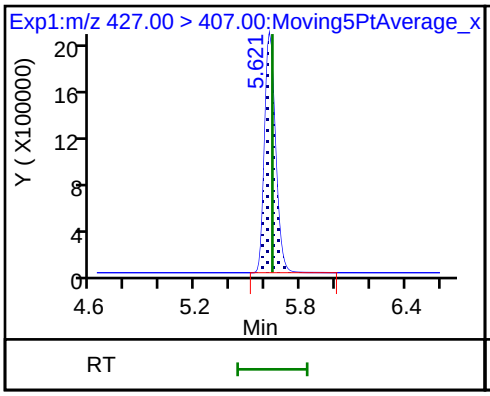
27 DONA



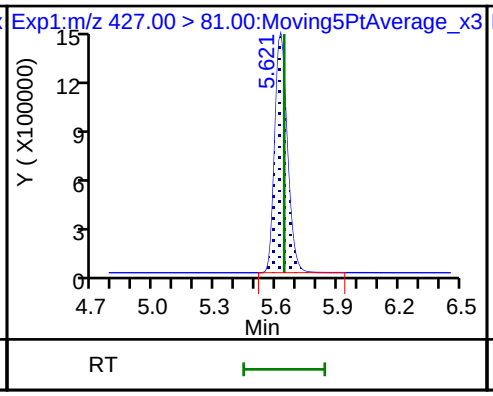
D 35 M2-6:2 FTS



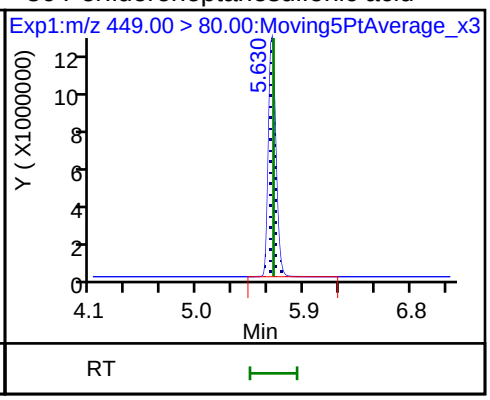
34 6:2 FTS



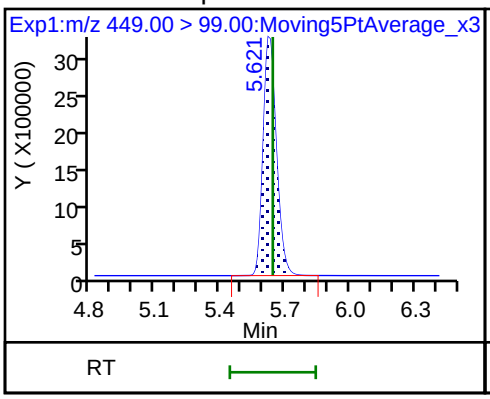
34 6:2 FTS



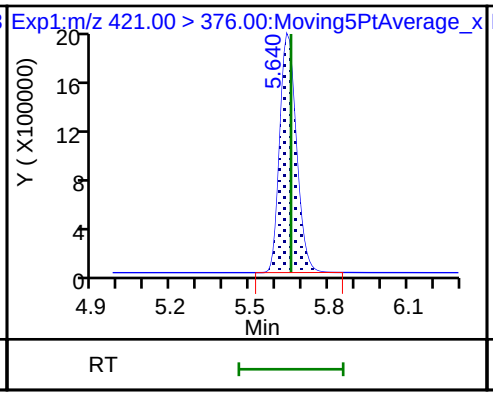
36 Perfluoroheptanesulfonic acid



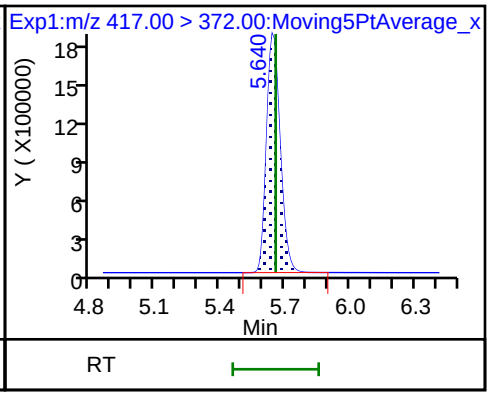
36 Perfluoroheptanesulfonic acid



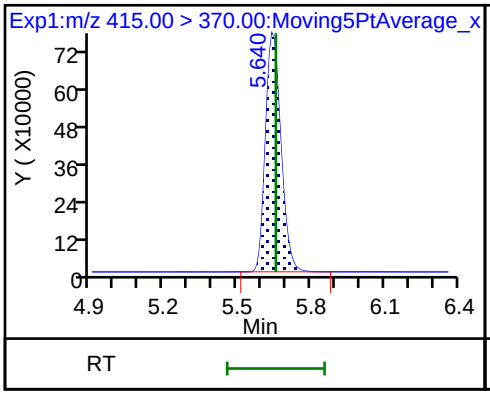
D 37 13C8 PFOA



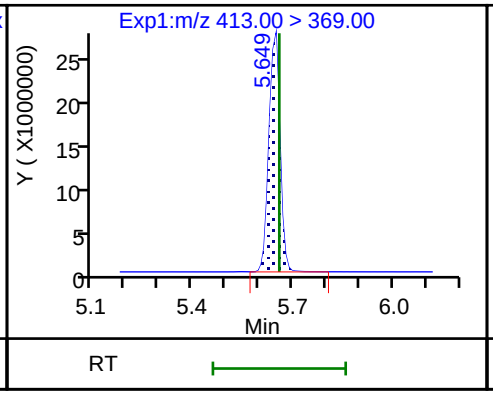
$ 39 13C4 PFOA



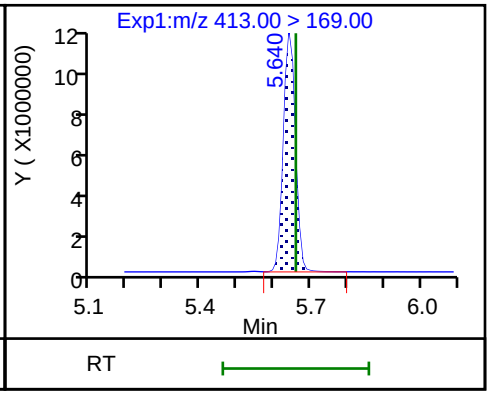
* 38 13C2 PFOA



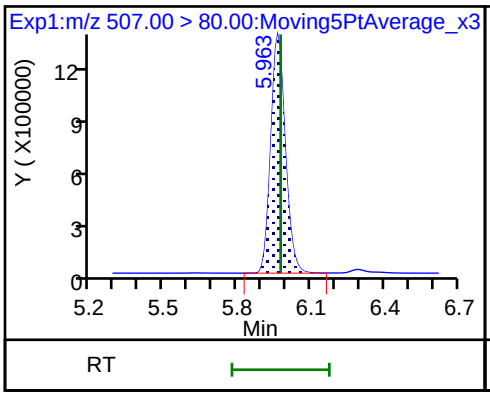
40 Perfluorooctanoic acid



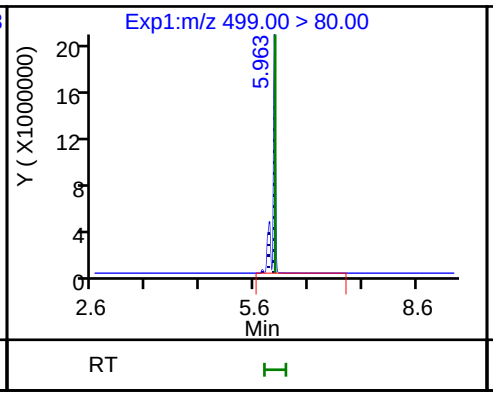
40 Perfluorooctanoic acid



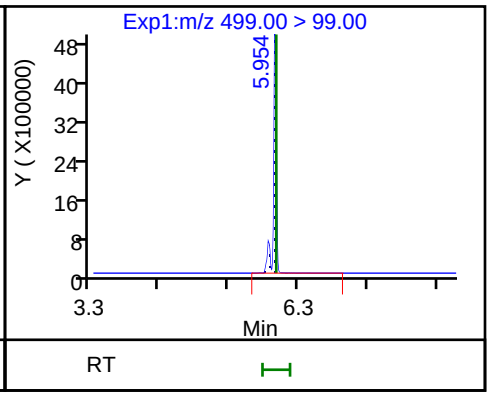
D 41 13C8 PFOS



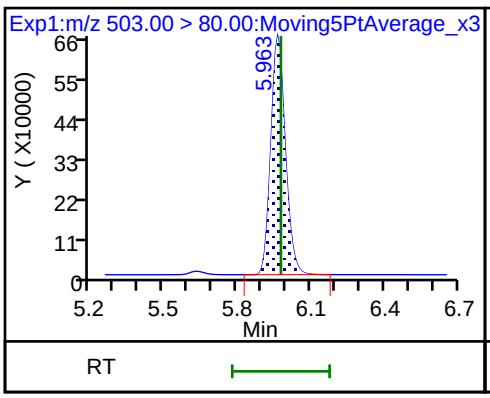
43 Perfluorooctanesulfonic acid



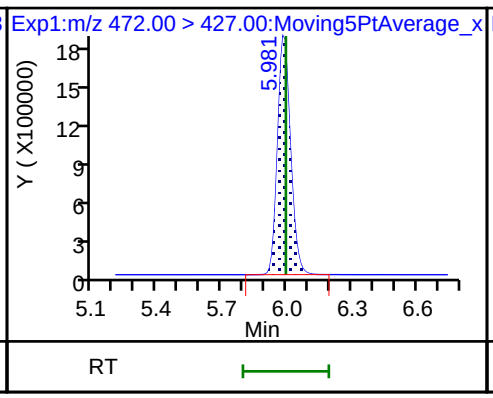
43 Perfluorooctanesulfonic acid



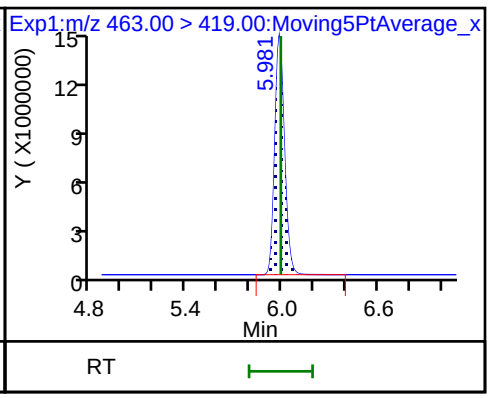
* 42 13C4 PFOS



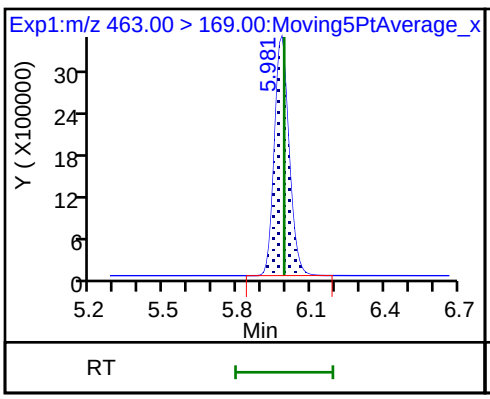
D 45 13C9 PFNA



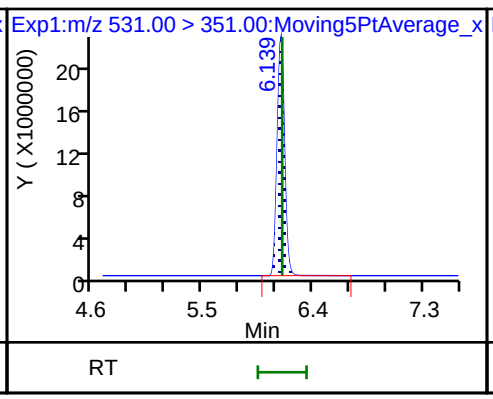
44 Perfluorononanoic acid



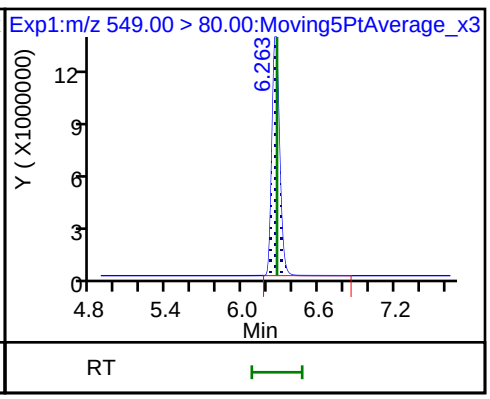
44 Perfluorononanoic acid



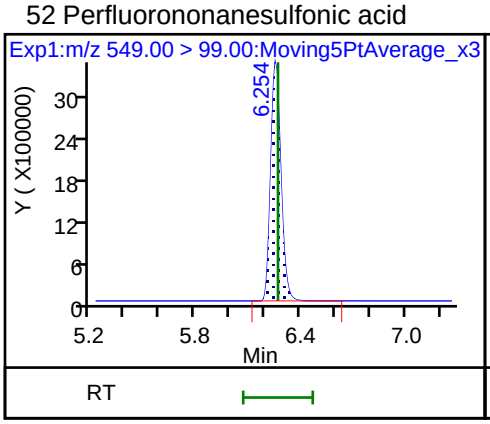
51 9ClFOS



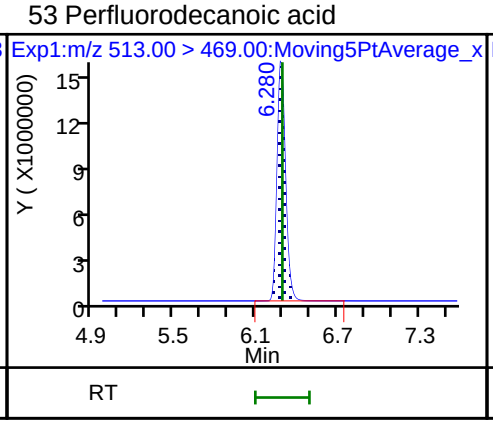
52 Perfluorononanesulfonic acid



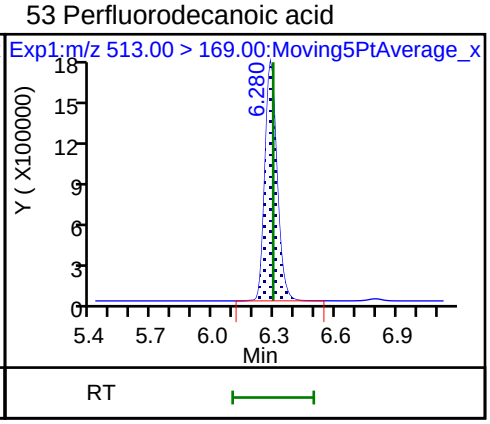
52 Perfluorononanesulfonic acid



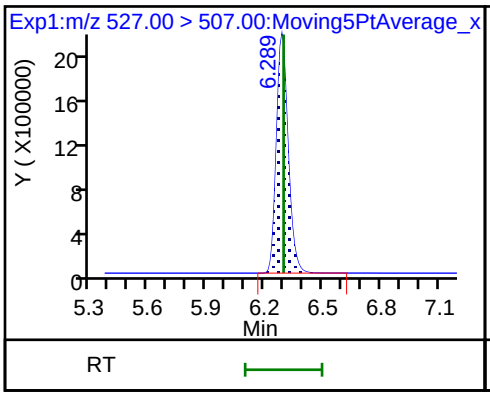
53 Perfluorodecanoic acid



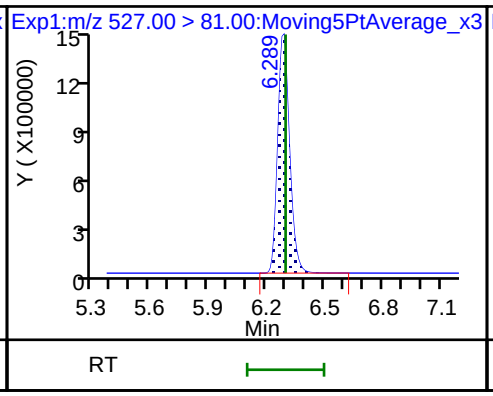
53 Perfluorodecanoic acid



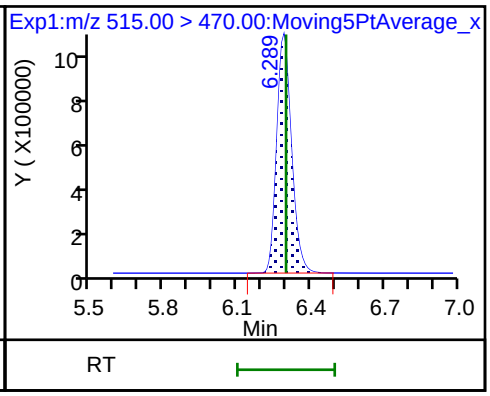
56 8:2 FTS



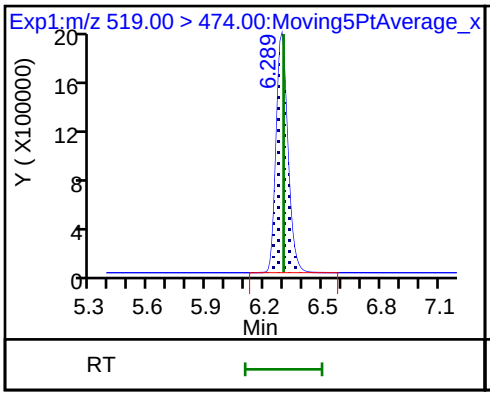
56 8:2 FTS



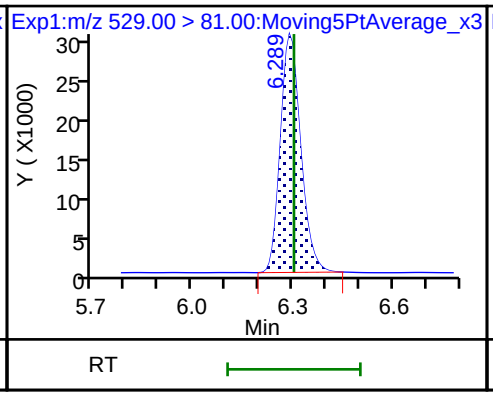
* 55 13C2 PFDA



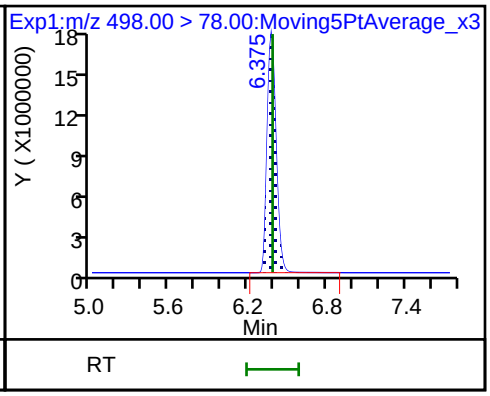
D 54 13C6 PFDA



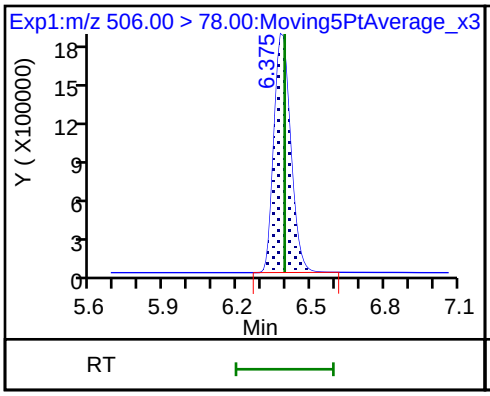
D 57 M2-8:2 FTS



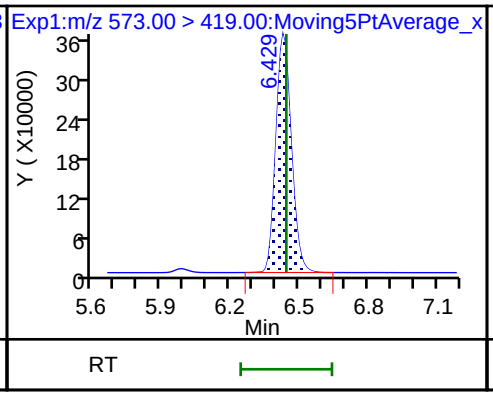
58 Perfluorooctanesulfonamide



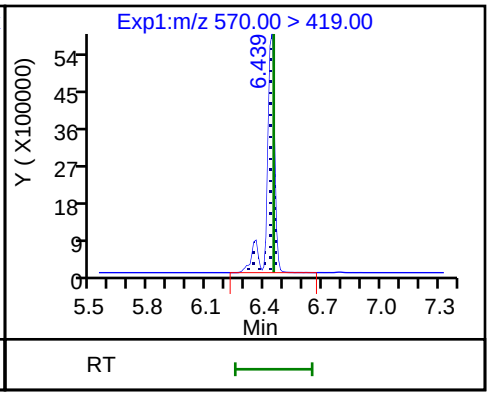
D 59 13C8 FOSA



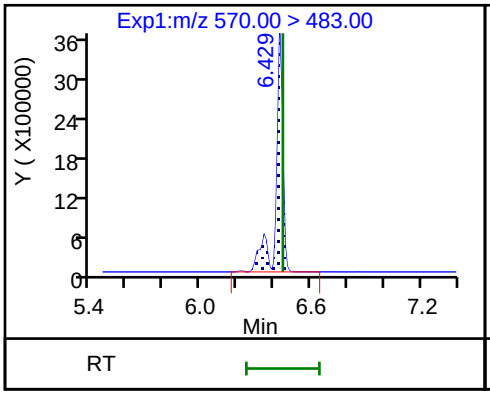
D 61 d3-NMeFOSAA



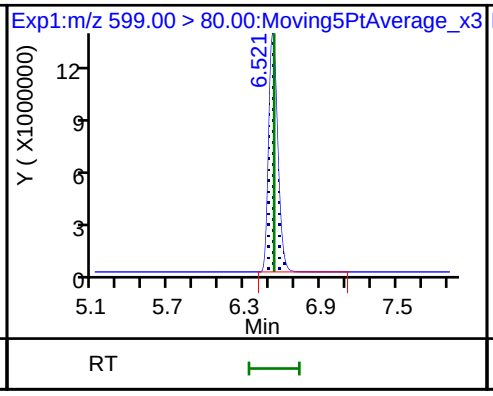
60 NMeFOSAA



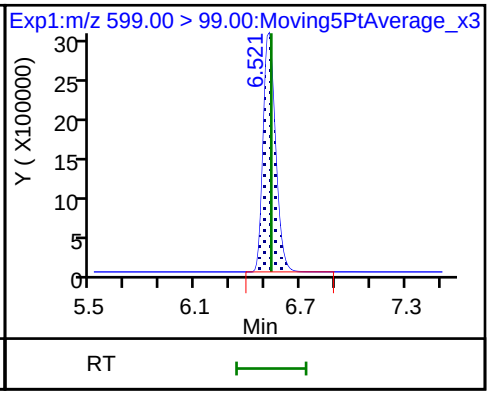
60 NMeFOSAA



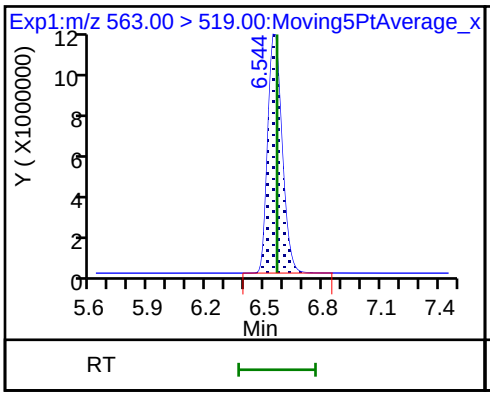
62 Perfluorodecanesulfonic acid



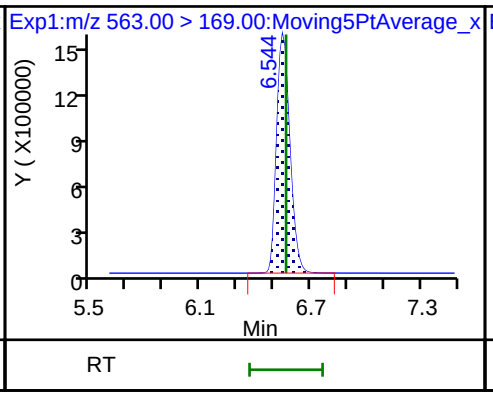
62 Perfluorodecanesulfonic acid



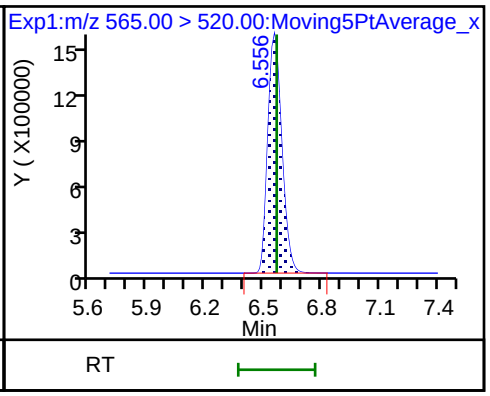
63 Perfluoroundecanoic acid



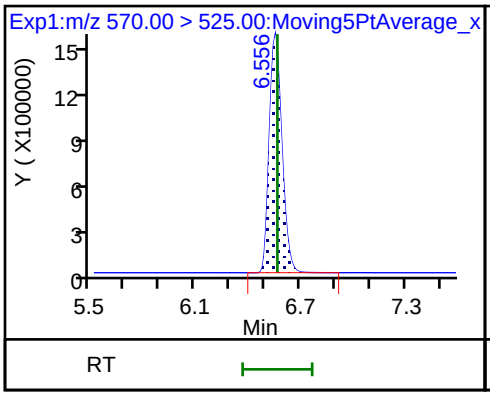
63 Perfluoroundecanoic acid



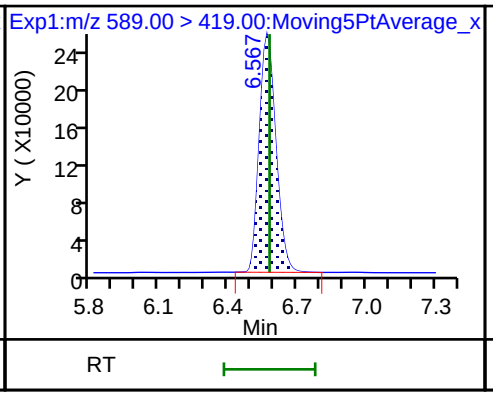
$ 64 13C2 PFUnA



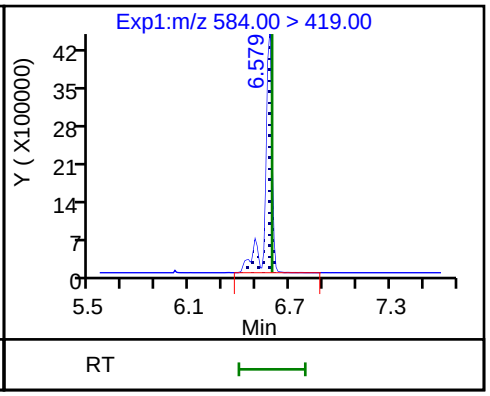
D 65 13C7 PFUnA



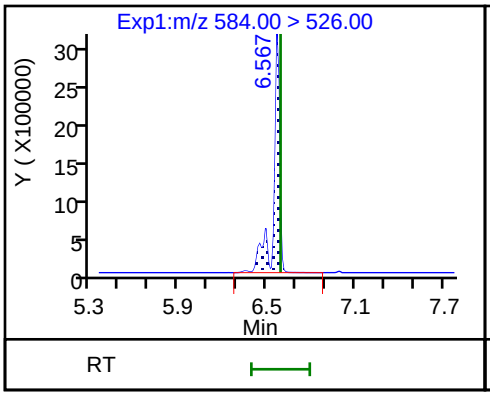
D 66 d5-NEtFOSAA



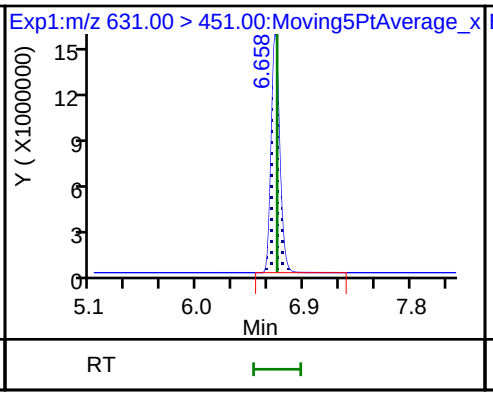
67 NEtFOSAA



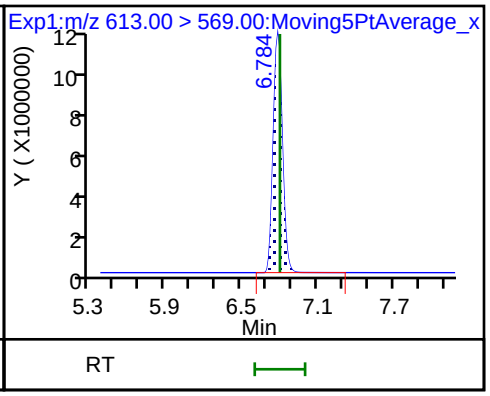
67 NEtFOSAA



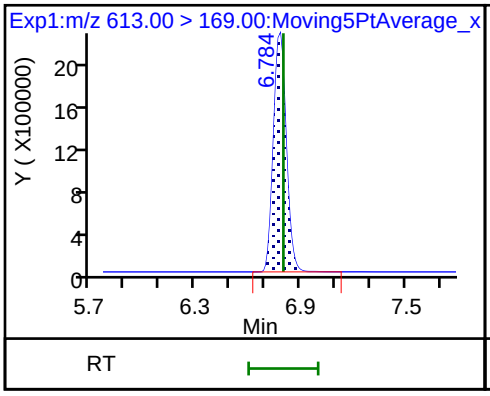
69 11ClFOS



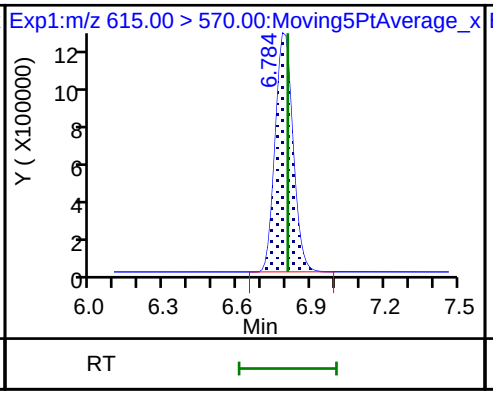
73 Perfluorododecanoic acid



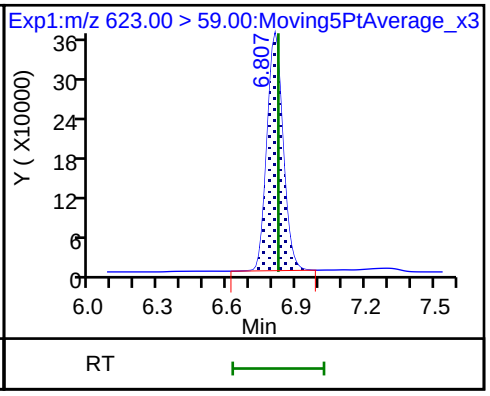
73 Perfluorododecanoic acid



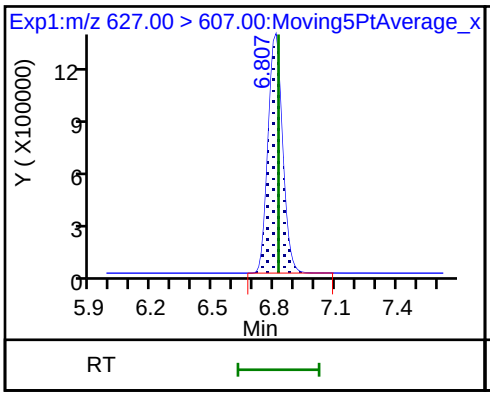
D 74 13C2-PFDoDA



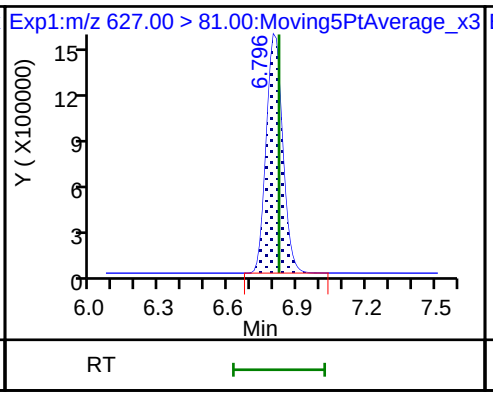
D 76 d7-N-MeFOSE-M



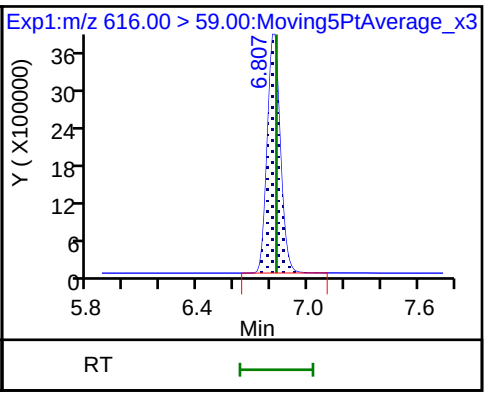
75 10:2 FTS



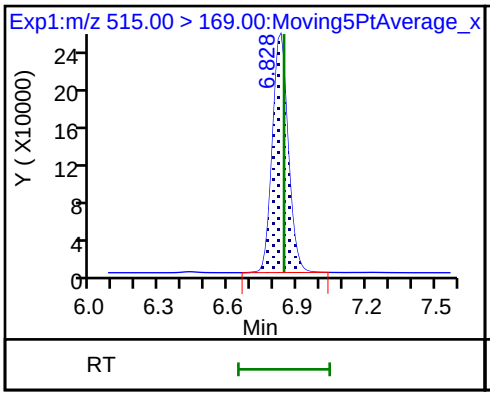
75 10:2 FTS



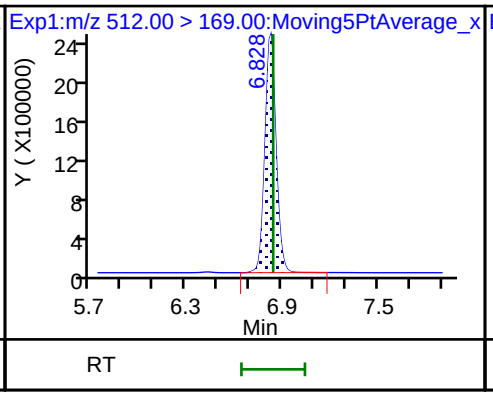
77 N-MeFOSE-M



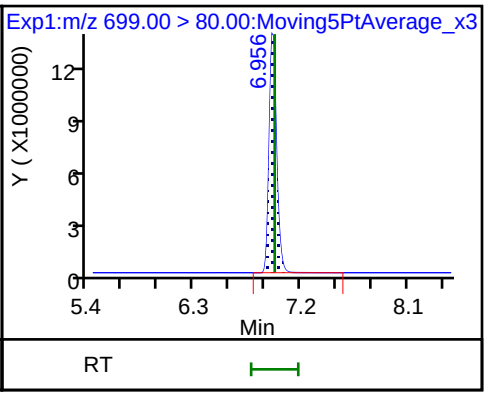
D 79 d3-NMePFOSA



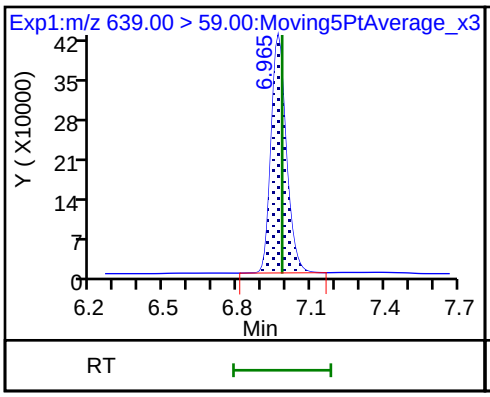
78 NMeFOSA



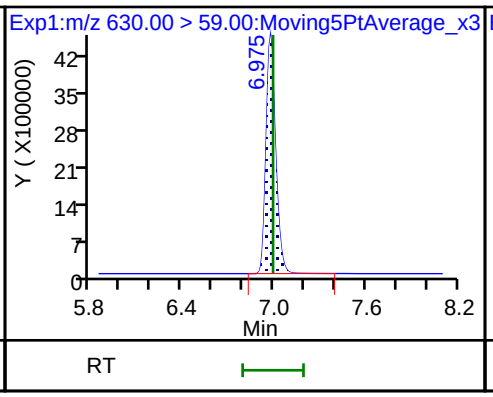
80 PFDoS



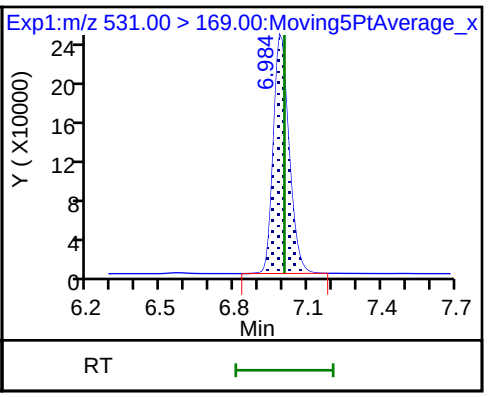
D 81 d9-N-EtFOSE-M



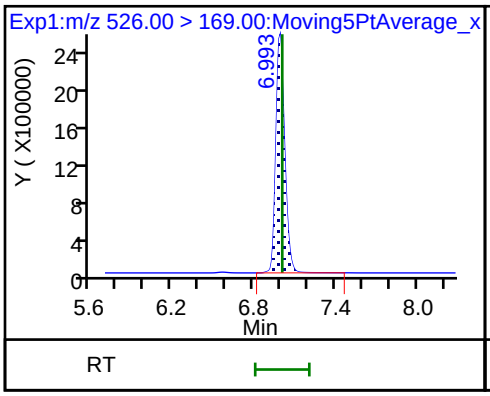
82 N-EtFOSE-M



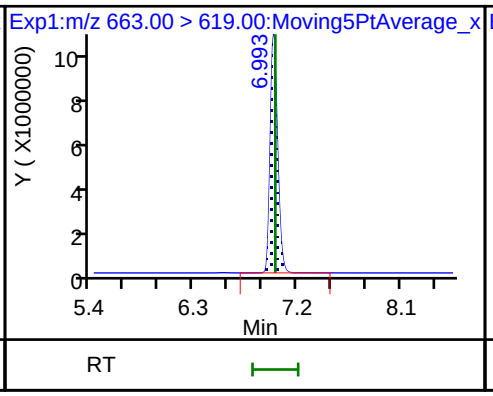
D 83 d5-NEtPFOSA



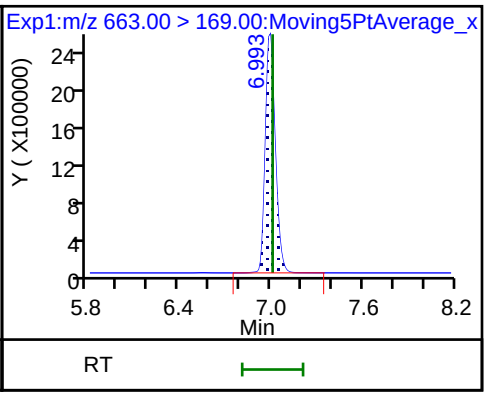
84 N-EtFOSA-M



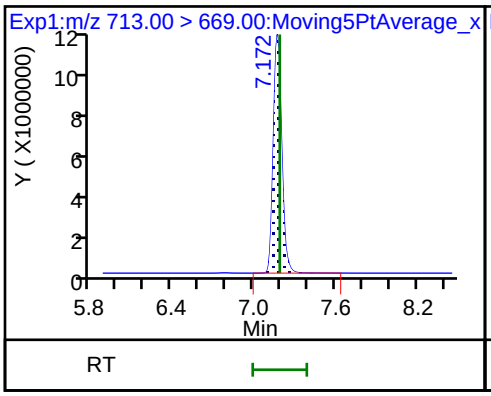
85 Perfluorotridecanoic acid



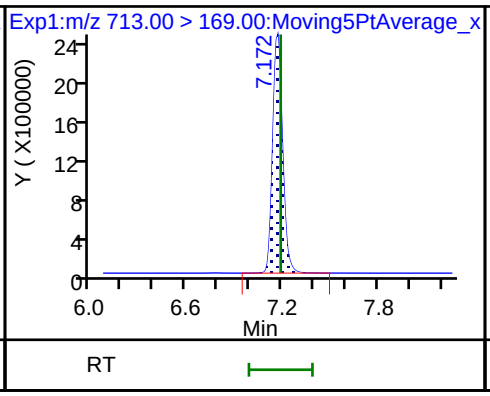
85 Perfluorotridecanoic acid



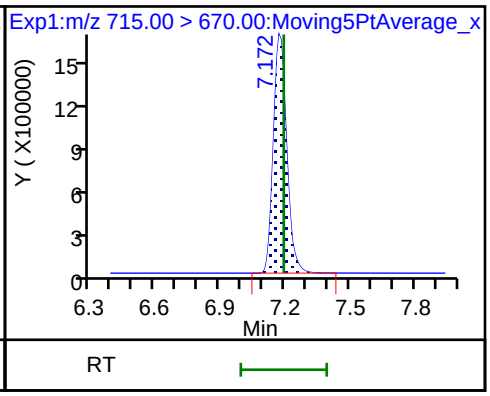
86 Perfluorotetradecanoic acid



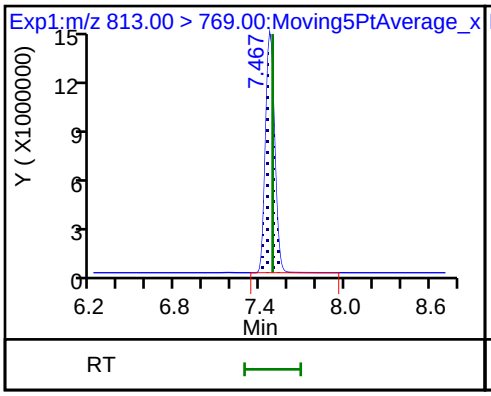
86 Perfluorotetradecanoic acid



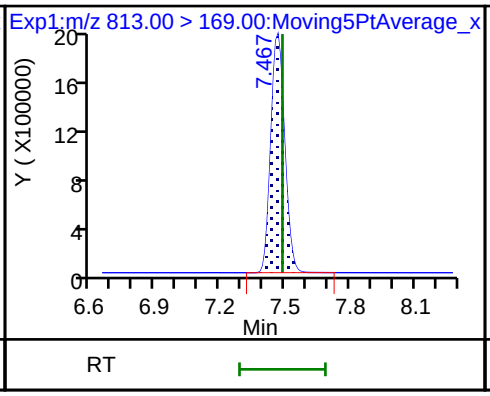
D 87 13C2 PFTeDA



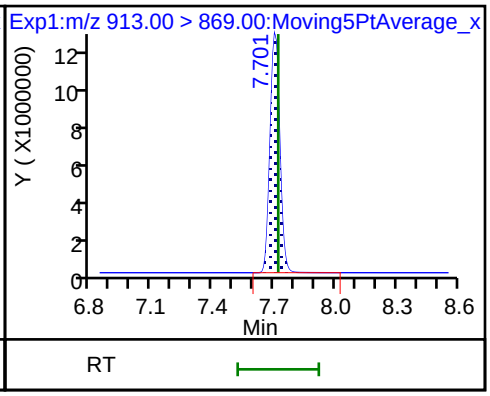
88 Perfluorohexadecanoic acid



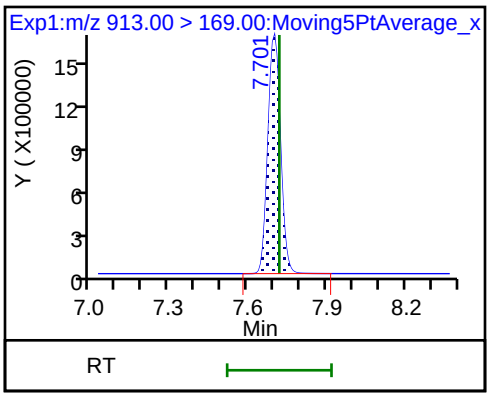
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Calibration / Perfluorobutanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

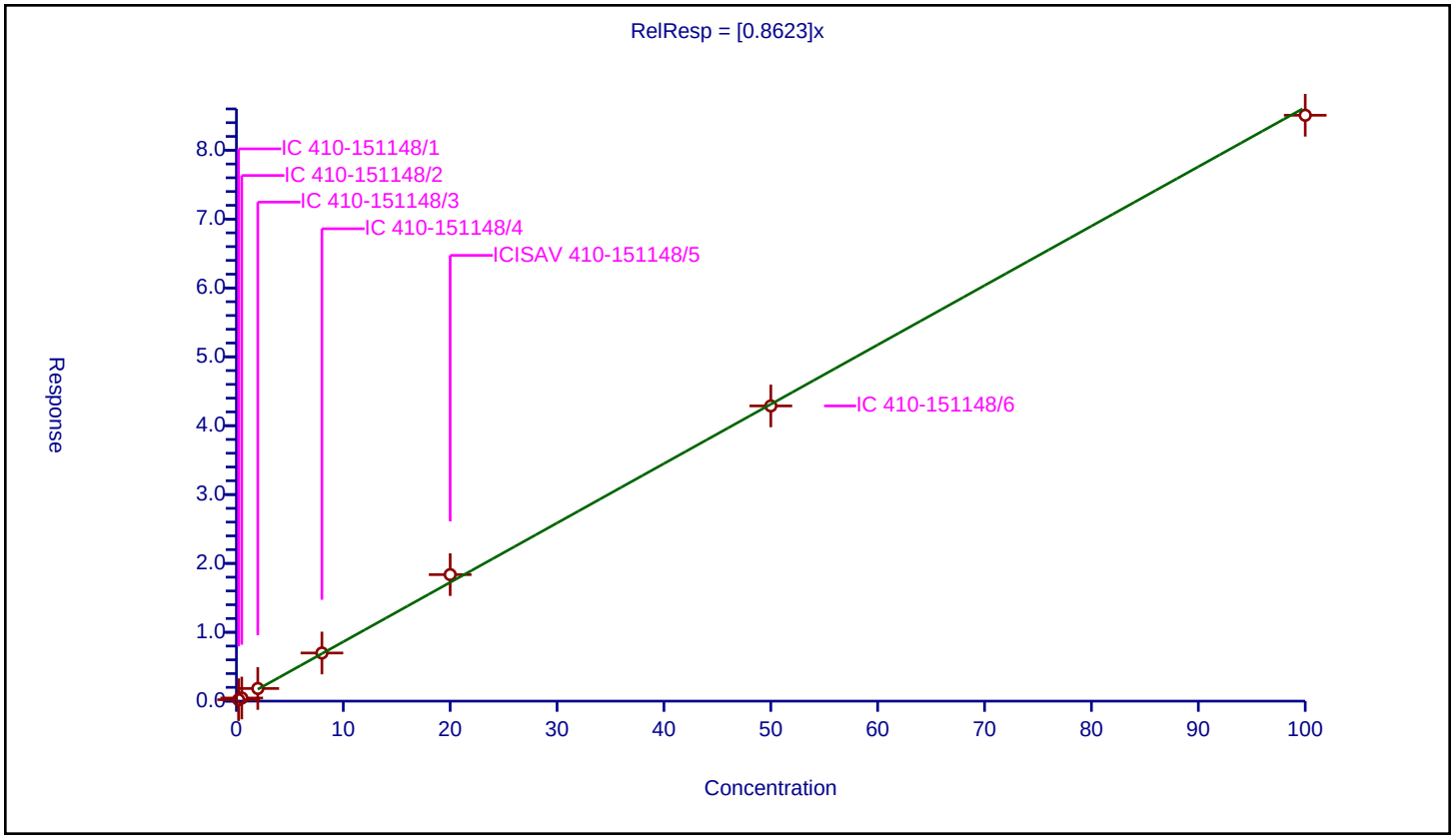
Curve Coefficients

Intercept:	0
Slope:	0.8623

Error Coefficients

Standard Error:	30200000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.210924	10.0	8310256.0	1.054619	Y
2	IC 410-151148/2	0.5	0.455631	10.0	8501362.0	0.911261	Y
3	IC 410-151148/3	2.0	1.835854	10.0	8438545.0	0.917927	Y
4	IC 410-151148/4	8.0	6.992107	10.0	8136665.0	0.874013	Y
5	ICISAV 410-151148/5	20.0	18.373747	10.0	8057254.0	0.918687	Y
6	IC 410-151148/6	50.0	42.868849	10.0	7540096.0	0.857377	Y
7	IC 410-151148/7	100.0	85.076292	10.0	7599457.0	0.850763	Y



Calibration / Perfluoropentanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

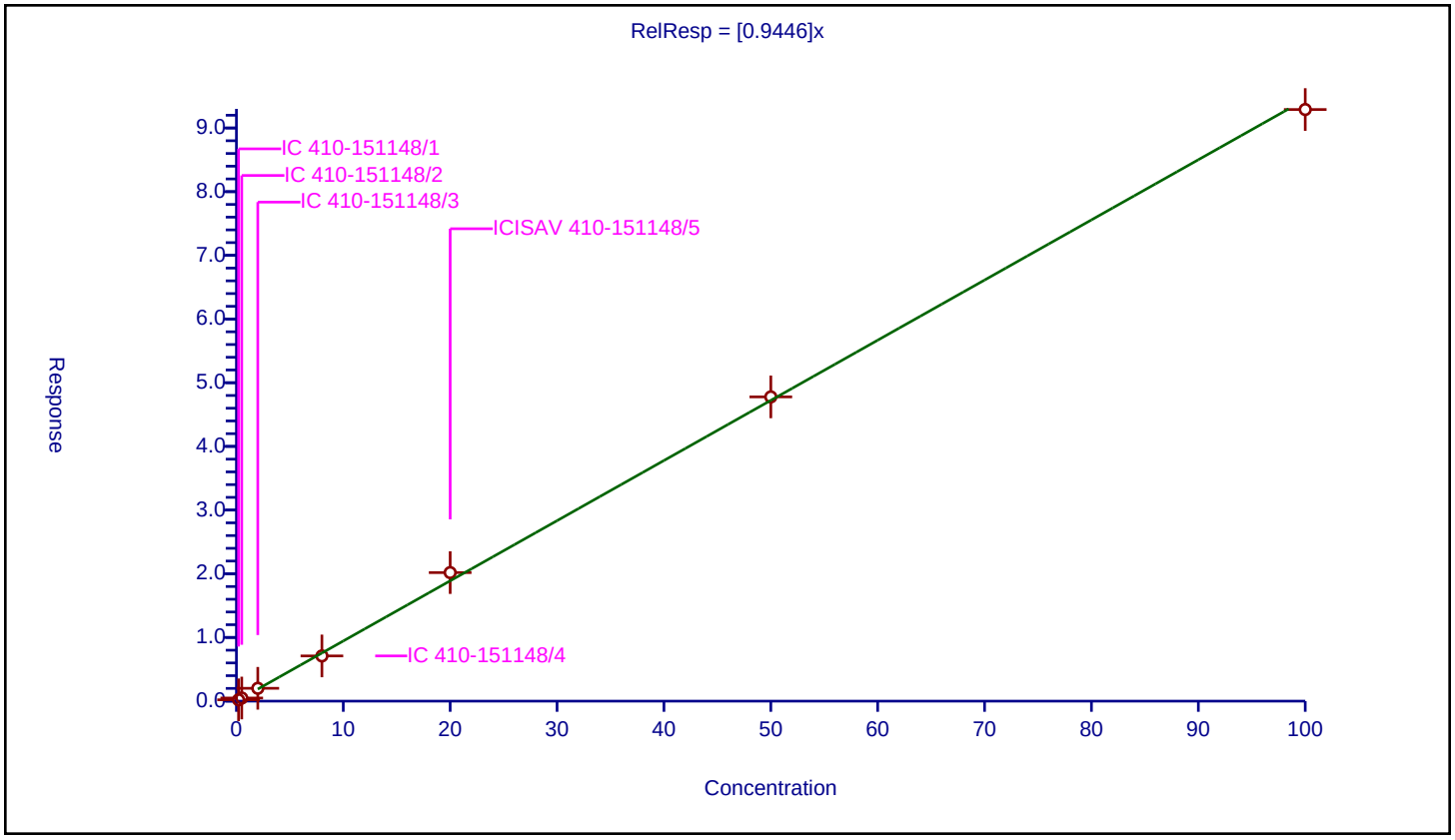
Curve Coefficients

Intercept:	0
Slope:	0.9446

Error Coefficients

Standard Error:	29400000
Relative Standard Error:	7.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.212883	10.0	7778413.0	1.064414	Y
2	IC 410-151148/2	0.5	0.493456	10.0	7861577.0	0.986911	Y
3	IC 410-151148/3	2.0	2.019965	10.0	7917586.0	1.009983	Y
4	IC 410-151148/4	8.0	7.101386	10.0	7904250.0	0.887673	Y
5	ICISAV 410-151148/5	20.0	20.187099	10.0	7176370.0	1.009355	Y
6	IC 410-151148/6	50.0	47.775	10.0	7073668.0	0.9555	Y
7	IC 410-151148/7	100.0	92.900181	10.0	6640266.0	0.929002	Y



Calibration / Perfluorobutanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

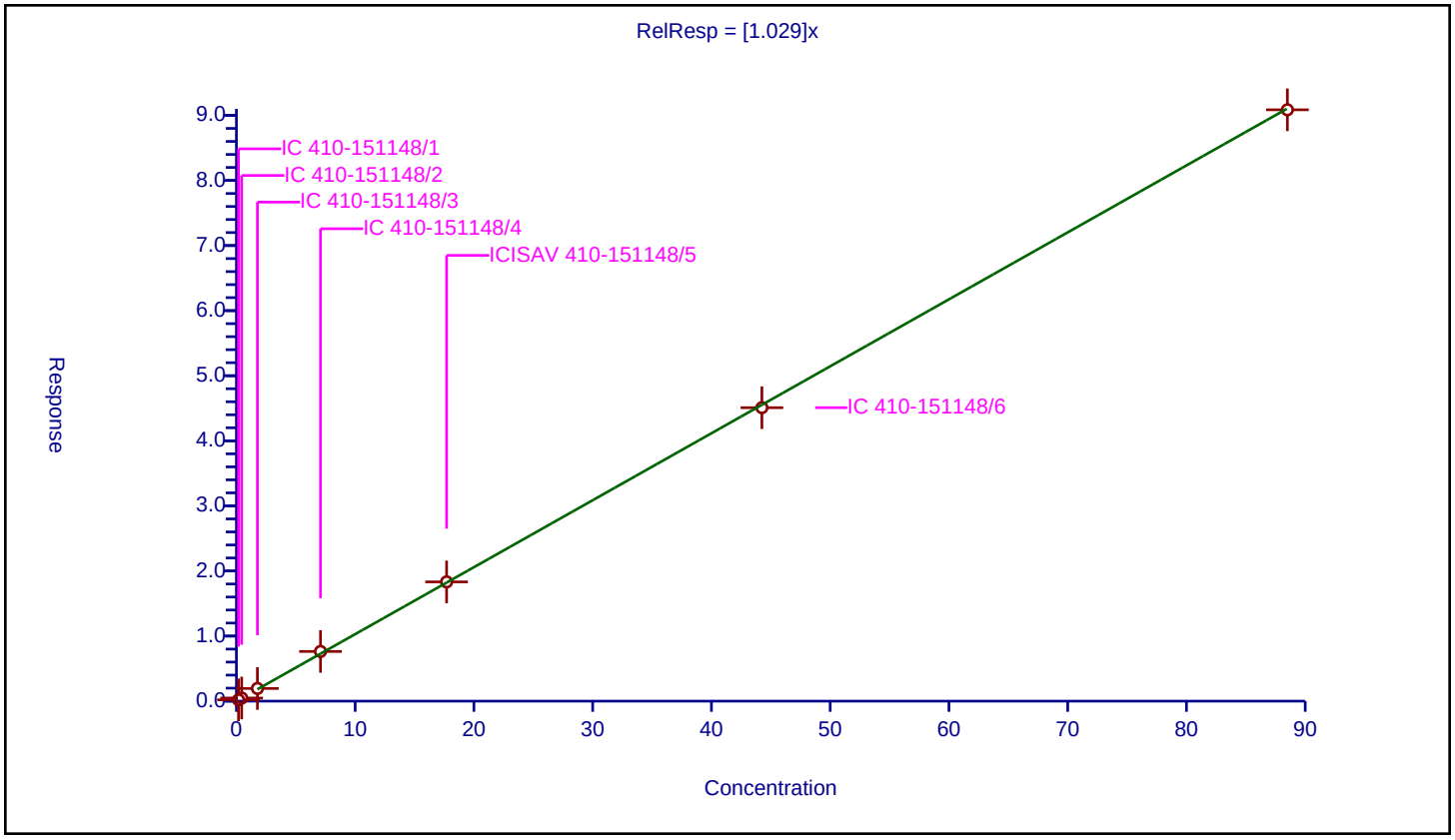
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Standard Error:	24300000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.177	0.201567	9.3	6192633.0	1.138794	Y
2	IC 410-151148/2	0.4425	0.481567	9.3	5942614.0	1.088288	Y
3	IC 410-151148/3	1.77	1.948919	9.3	6168180.0	1.101084	Y
4	IC 410-151148/4	7.08	7.633757	9.3	5980831.0	1.078214	Y
5	ICISAV 410-151148/5	17.7	18.32319	9.3	5784544.0	1.035208	Y
6	IC 410-151148/6	44.25	45.09041	9.3	5571396.0	1.018992	Y
7	IC 410-151148/7	88.5	90.861305	9.3	5275052.0	1.026681	Y



Calibration / 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

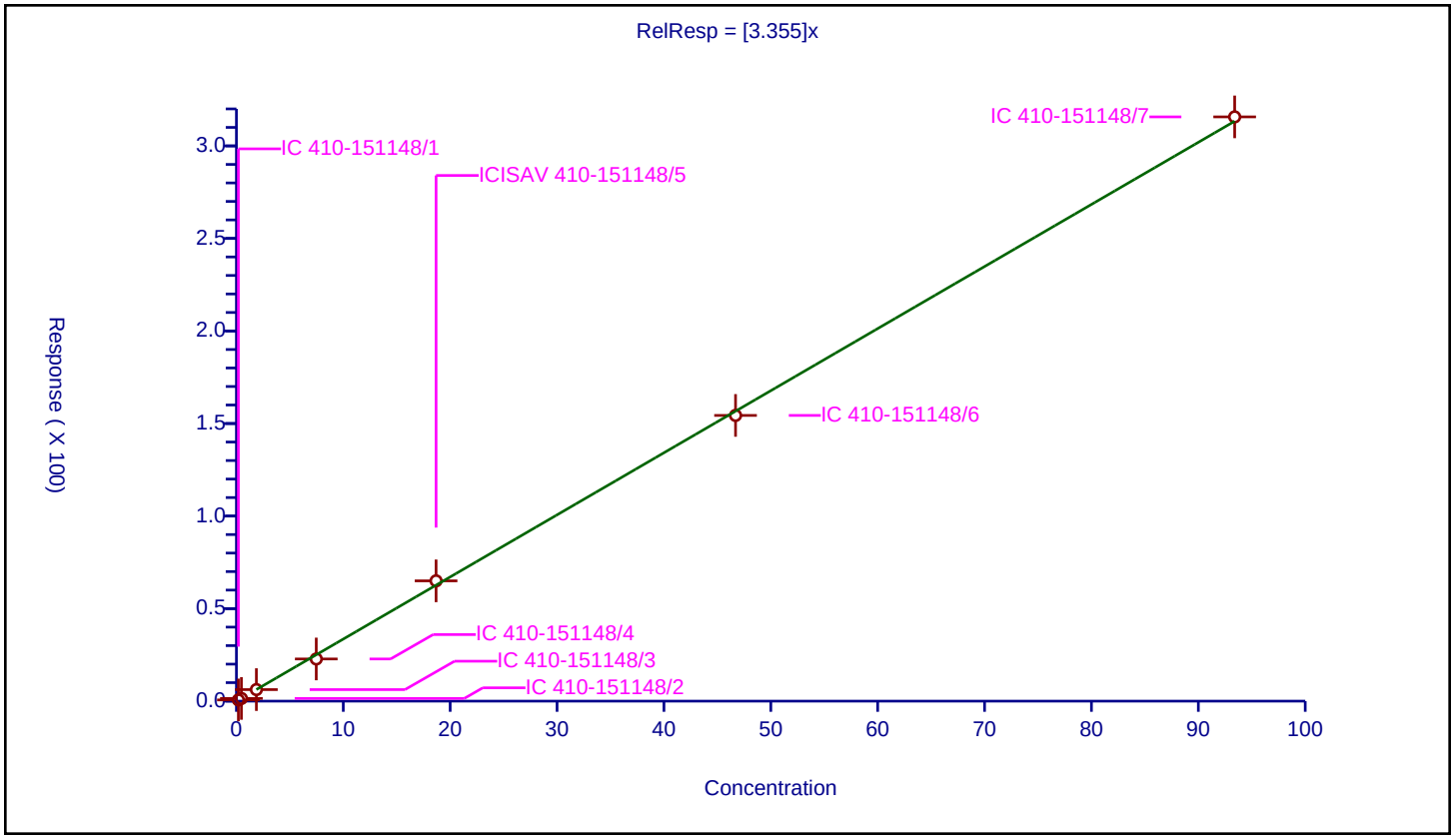
Curve Coefficients

Intercept:	0
Slope:	3.355

Error Coefficients

Standard Error:	6040000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1868	0.651788	9.34	448294.0	3.489228	Y
2	IC 410-151148/2	0.467	1.466492	9.34	466786.0	3.14024	Y
3	IC 410-151148/3	1.868	6.244207	9.34	452088.0	3.342723	Y
4	IC 410-151148/4	7.472	22.791262	9.34	425019.0	3.050222	Y
5	ICISAV 410-151148/5	18.68	64.993256	9.34	411474.0	3.479296	Y
6	IC 410-151148/6	46.7	154.380039	9.34	391411.0	3.305782	Y
7	IC 410-151148/7	93.4	315.677052	9.34	383283.0	3.37984	Y



Calibration / Perfluorohexanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

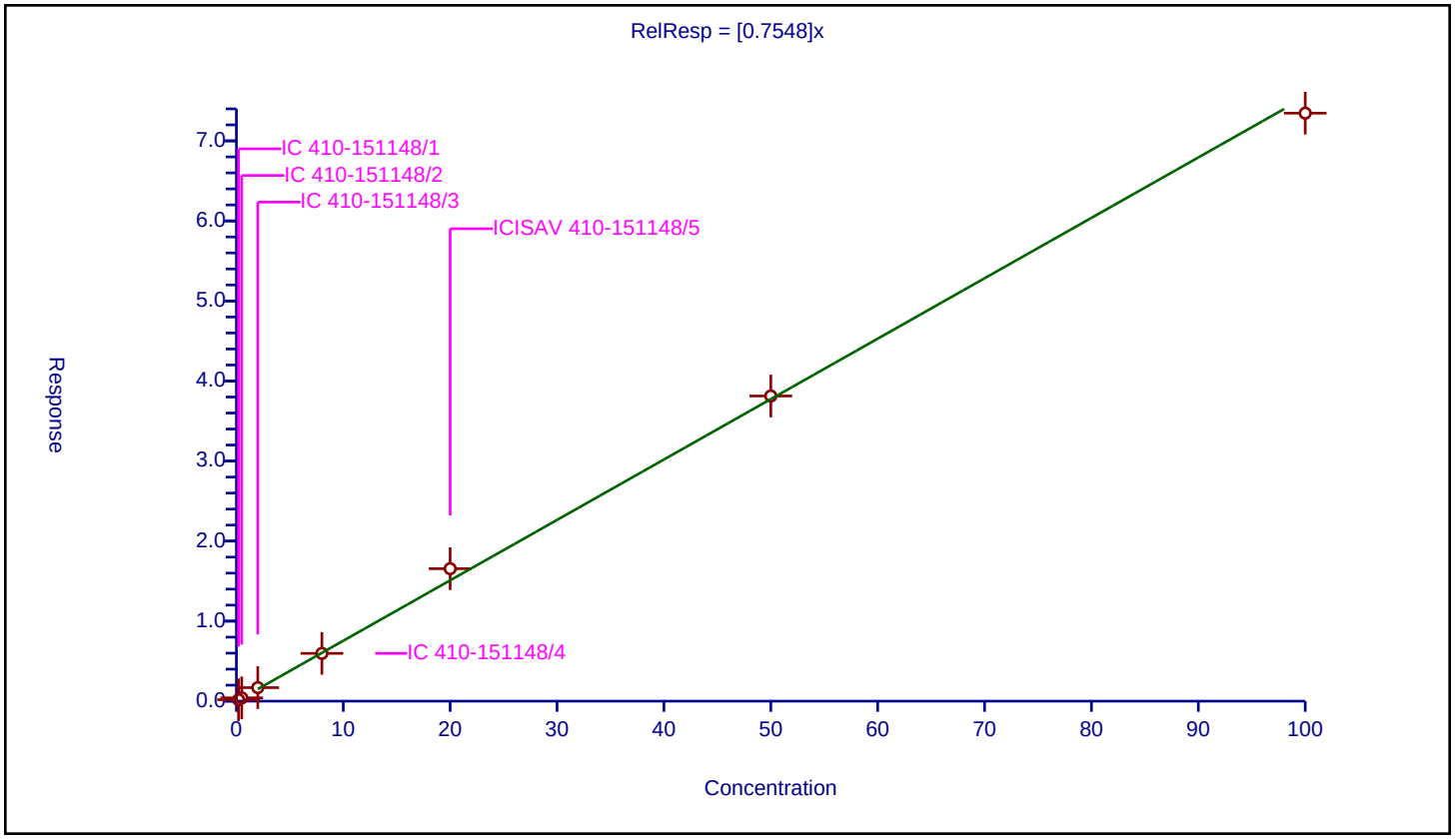
Curve Coefficients

Intercept:	0
Slope:	0.7548

Error Coefficients

Standard Error:	28200000
Relative Standard Error:	10.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.17927	10.0	9969254.0	0.896351	Y
2	IC 410-151148/2	0.5	0.411488	10.0	10095452.0	0.822977	Y
3	IC 410-151148/3	2.0	1.687876	10.0	9690480.0	0.843938	Y
4	IC 410-151148/4	8.0	5.968509	10.0	9845565.0	0.746064	Y
5	ICISAV 410-151148/5	20.0	16.551627	10.0	9029737.0	0.827581	Y
6	IC 410-151148/6	50.0	38.125431	10.0	8723911.0	0.762509	Y
7	IC 410-151148/7	100.0	73.463565	10.0	7927601.0	0.734636	Y



Calibration / Perfluoropentanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

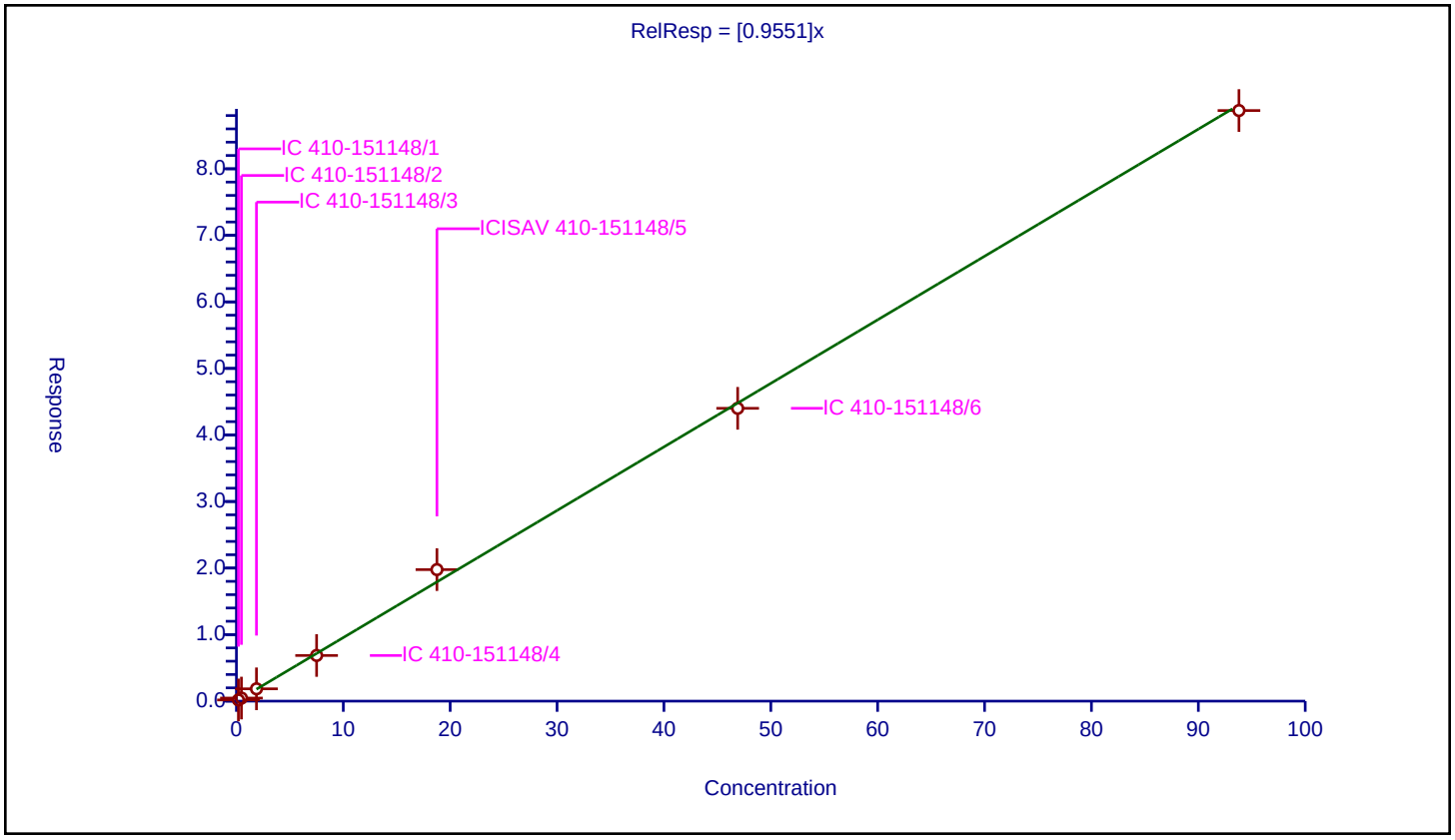
Curve Coefficients

Intercept:	0
Slope:	0.9551

Error Coefficients

Standard Error:	23800000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1876	0.18008	9.3	6192633.0	0.959917	Y
2	IC 410-151148/2	0.469	0.463622	9.3	5942614.0	0.988532	Y
3	IC 410-151148/3	1.876	1.852259	9.3	6168180.0	0.987345	Y
4	IC 410-151148/4	7.504	6.863303	9.3	5980831.0	0.914619	Y
5	ICISAV 410-151148/5	18.76	19.767326	9.3	5784544.0	1.053695	Y
6	IC 410-151148/6	46.9	44.003833	9.3	5571396.0	0.938248	Y
7	IC 410-151148/7	93.8	88.751876	9.3	5275052.0	0.946182	Y



Calibration / Perfluoro(2-propoxypropanoic) acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

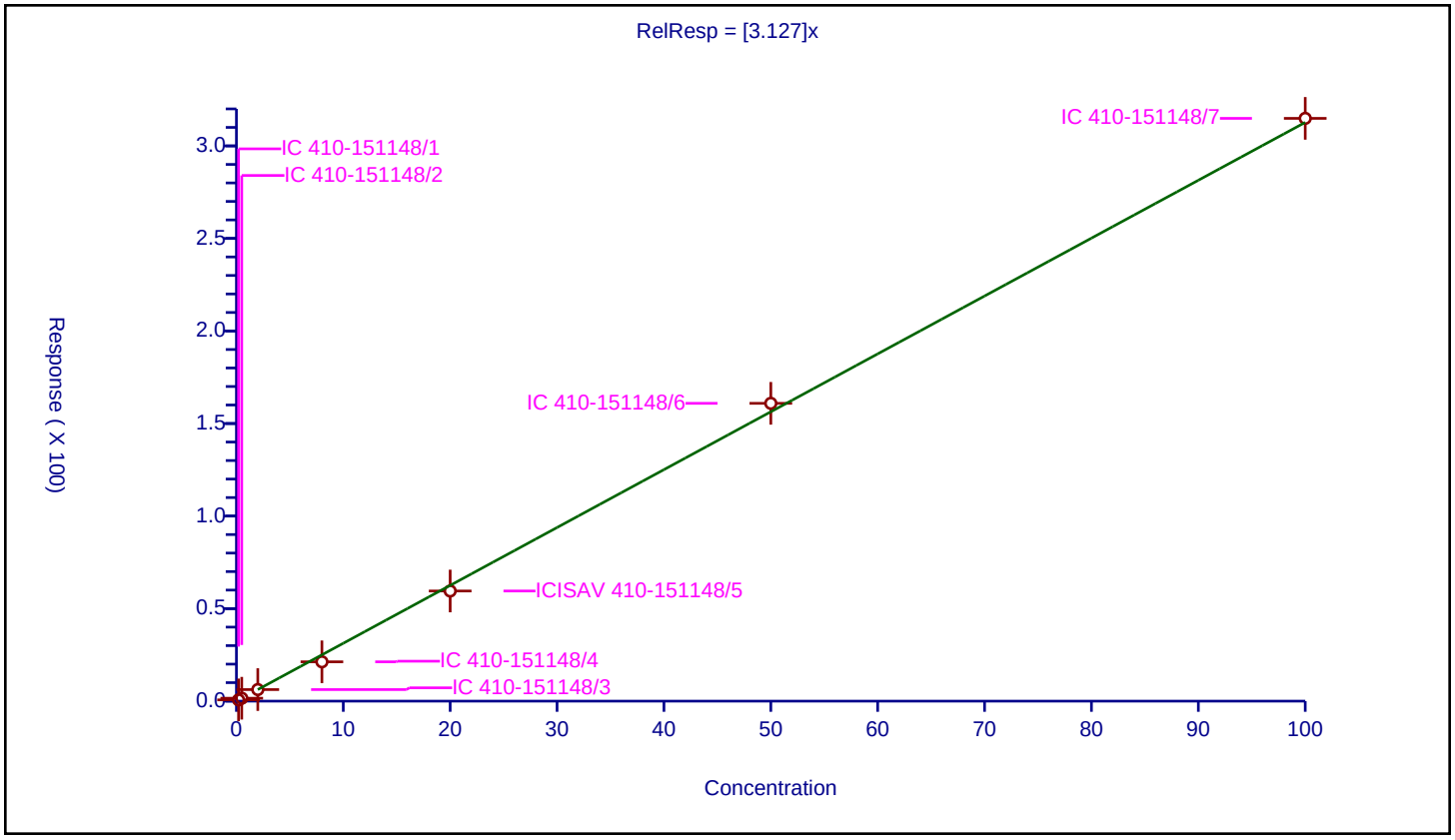
Curve Coefficients

Intercept:	0
Slope:	3.127

Error Coefficients

Standard Error:	11100000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.683618	10.0	835906.0	3.418088	Y
2	IC 410-151148/2	0.5	1.573334	10.0	933832.0	3.146669	Y
3	IC 410-151148/3	2.0	6.25116	10.0	910359.0	3.12558	Y
4	IC 410-151148/4	8.0	21.24978	10.0	950279.0	2.656223	Y
5	ICISAV 410-151148/5	20.0	59.51953	10.0	841134.0	2.975976	Y
6	IC 410-151148/6	50.0	160.904272	10.0	796630.0	3.218085	Y
7	IC 410-151148/7	100.0	314.87338	10.0	743759.0	3.148734	Y



Calibration / Perfluoroheptanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

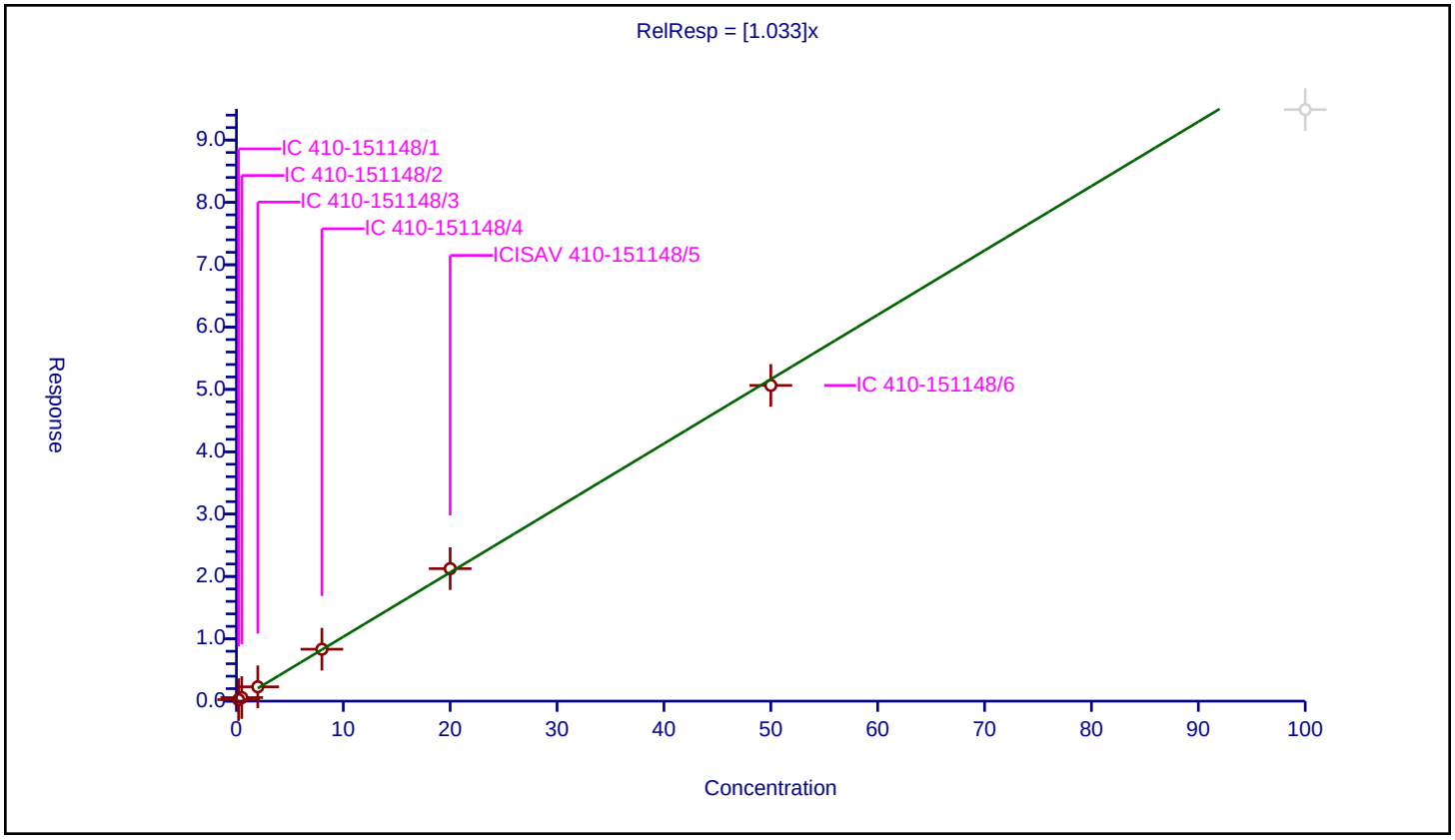
Curve Coefficients

Intercept:	0
Slope:	1.033

Error Coefficients

Standard Error:	21700000
Relative Standard Error:	10.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.240753	10.0	10128556.0	1.203765	Y
2	IC 410-151148/2	0.5	0.568248	10.0	10478933.0	1.136495	Y
3	IC 410-151148/3	2.0	2.295449	10.0	10268472.0	1.147724	Y
4	IC 410-151148/4	8.0	8.326848	10.0	9977638.0	1.040856	Y
5	ICISAV 410-151148/5	20.0	21.258011	10.0	9582033.0	1.062901	Y
6	IC 410-151148/6	50.0	50.643929	10.0	8521702.0	1.012879	Y
7	IC 410-151148/7	100.0	94.884974	10.0	8014480.0	0.94885	N



Calibration / Perfluorohexanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

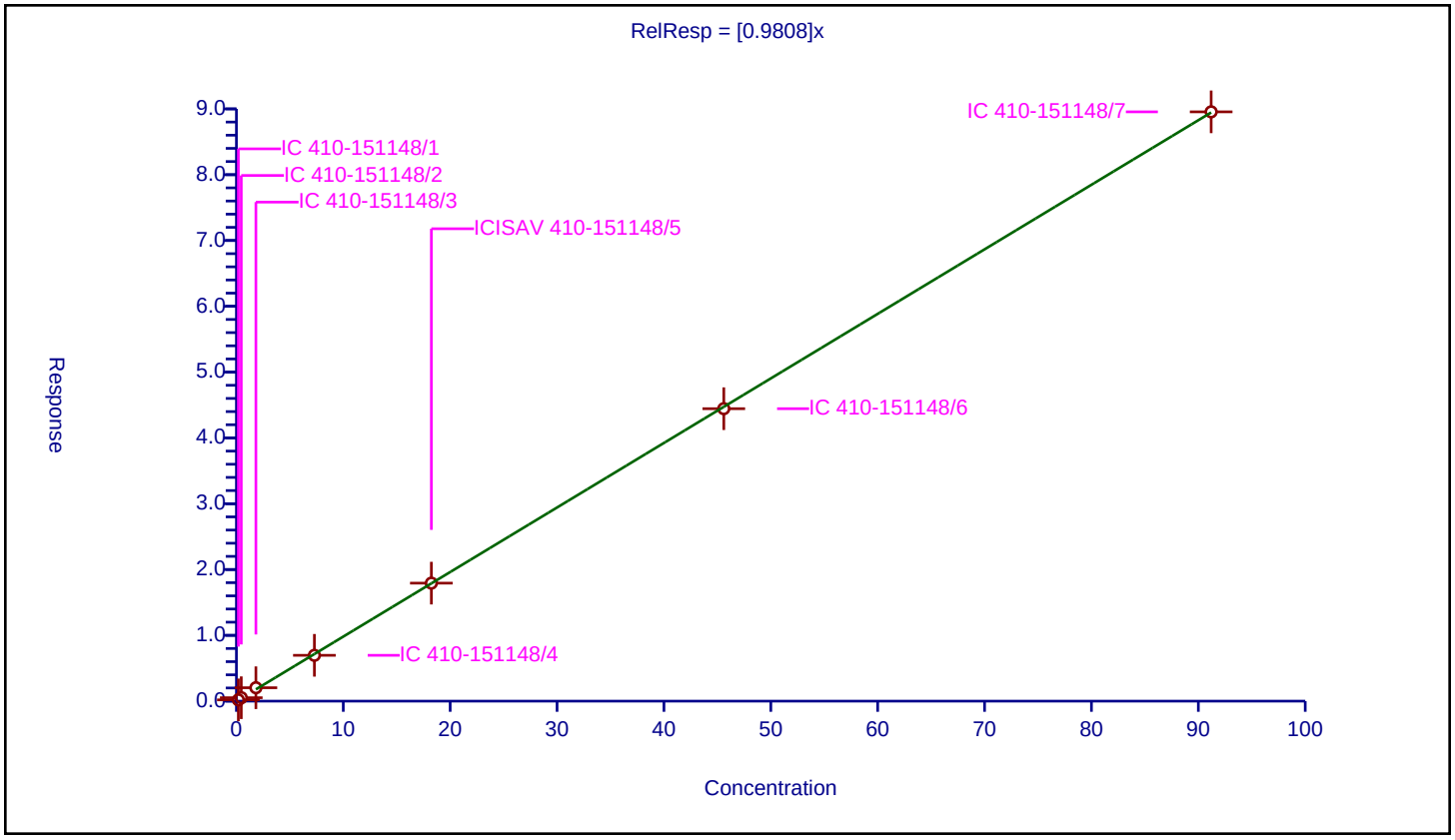
Curve Coefficients

Intercept:	0
Slope:	0.9808

Error Coefficients

Standard Error:	25600000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1824	0.190886	9.46	6287722.0	1.046524	Y
2	IC 410-151148/2	0.456	0.521866	9.46	6412739.0	1.144442	Y
3	IC 410-151148/3	1.824	2.037738	9.46	6282136.0	1.117181	Y
4	IC 410-151148/4	7.296	6.961759	9.46	6304637.0	0.954188	Y
5	ICISAV 410-151148/5	18.24	17.932104	9.46	6369749.0	0.98312	Y
6	IC 410-151148/6	45.6	44.443422	9.46	6013272.0	0.974636	Y
7	IC 410-151148/7	91.2	89.55221	9.46	5762963.0	0.981932	Y



Calibration / DONA

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

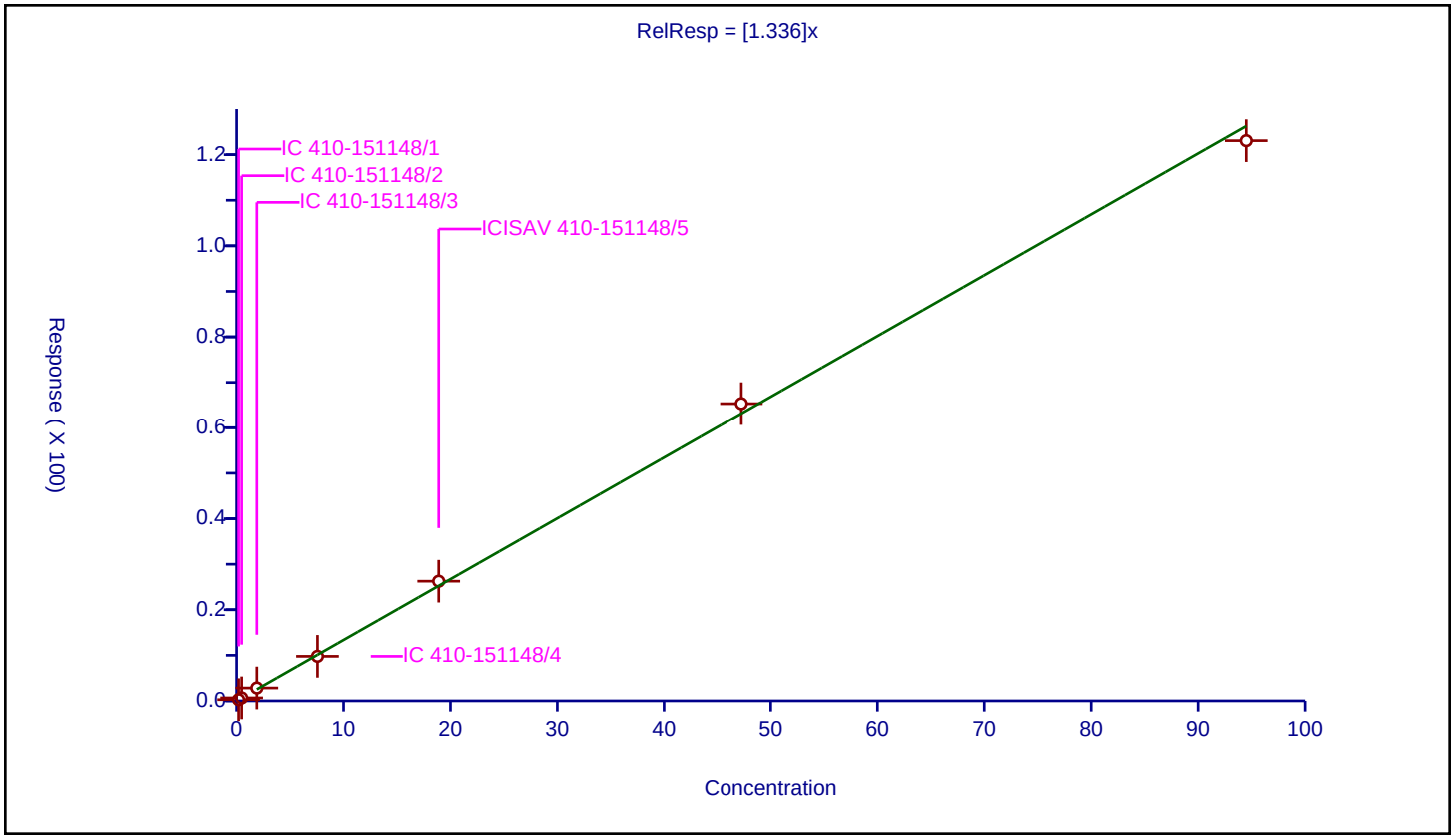
Curve Coefficients

Intercept:	0
Slope:	1.336

Error Coefficients

Standard Error:	47500000
Relative Standard Error:	6.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.189	0.267993	10.0	10128556.0	1.417951	Y
2	IC 410-151148/2	0.4725	0.656758	10.0	10478933.0	1.389963	Y
3	IC 410-151148/3	1.89	2.826618	10.0	10268472.0	1.495565	Y
4	IC 410-151148/4	7.56	9.774297	10.0	9977638.0	1.292896	Y
5	ICISAV 410-151148/5	18.9	26.267296	10.0	9582033.0	1.389804	Y
6	IC 410-151148/6	47.25	65.31484	10.0	8521702.0	1.382325	Y
7	IC 410-151148/7	94.5	123.071831	10.0	8014480.0	1.302347	Y



Calibration / 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

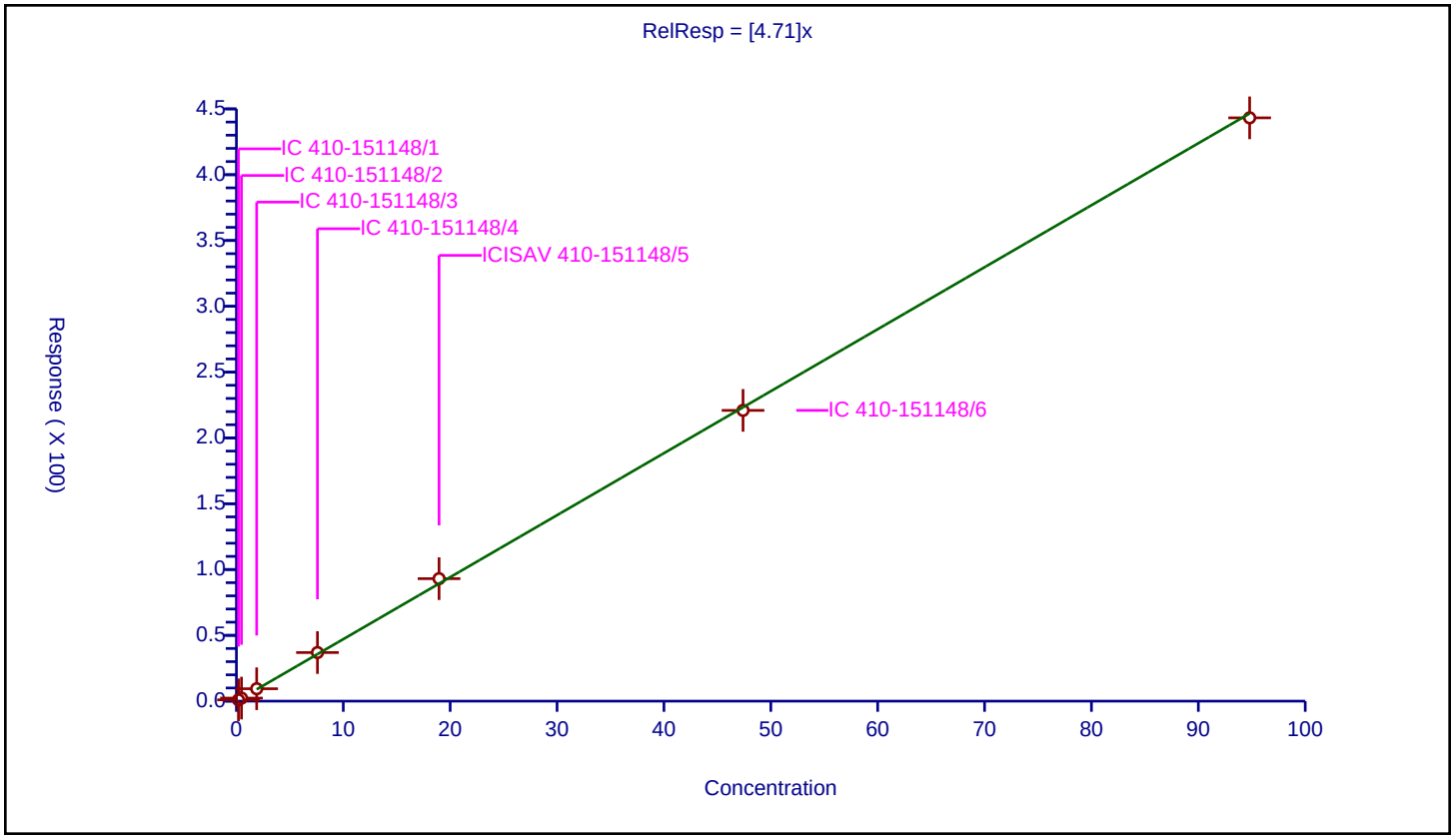
Curve Coefficients

Intercept:	0
Slope:	4.71

Error Coefficients

Standard Error:	4220000
Relative Standard Error:	5.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1896	0.973263	9.5	262746.0	5.133244	Y
2	IC 410-151148/2	0.474	2.315962	9.5	267034.0	4.885995	Y
3	IC 410-151148/3	1.896	9.410589	9.5	269560.0	4.963391	Y
4	IC 410-151148/4	7.584	36.93016	9.5	247108.0	4.869483	Y
5	ICISAV 410-151148/5	18.96	93.060123	9.5	242094.0	4.908234	Y
6	IC 410-151148/6	47.4	220.926951	9.5	209744.0	4.660906	Y
7	IC 410-151148/7	94.8	443.206777	9.5	187538.0	4.675177	Y



Calibration / Perfluoroheptanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

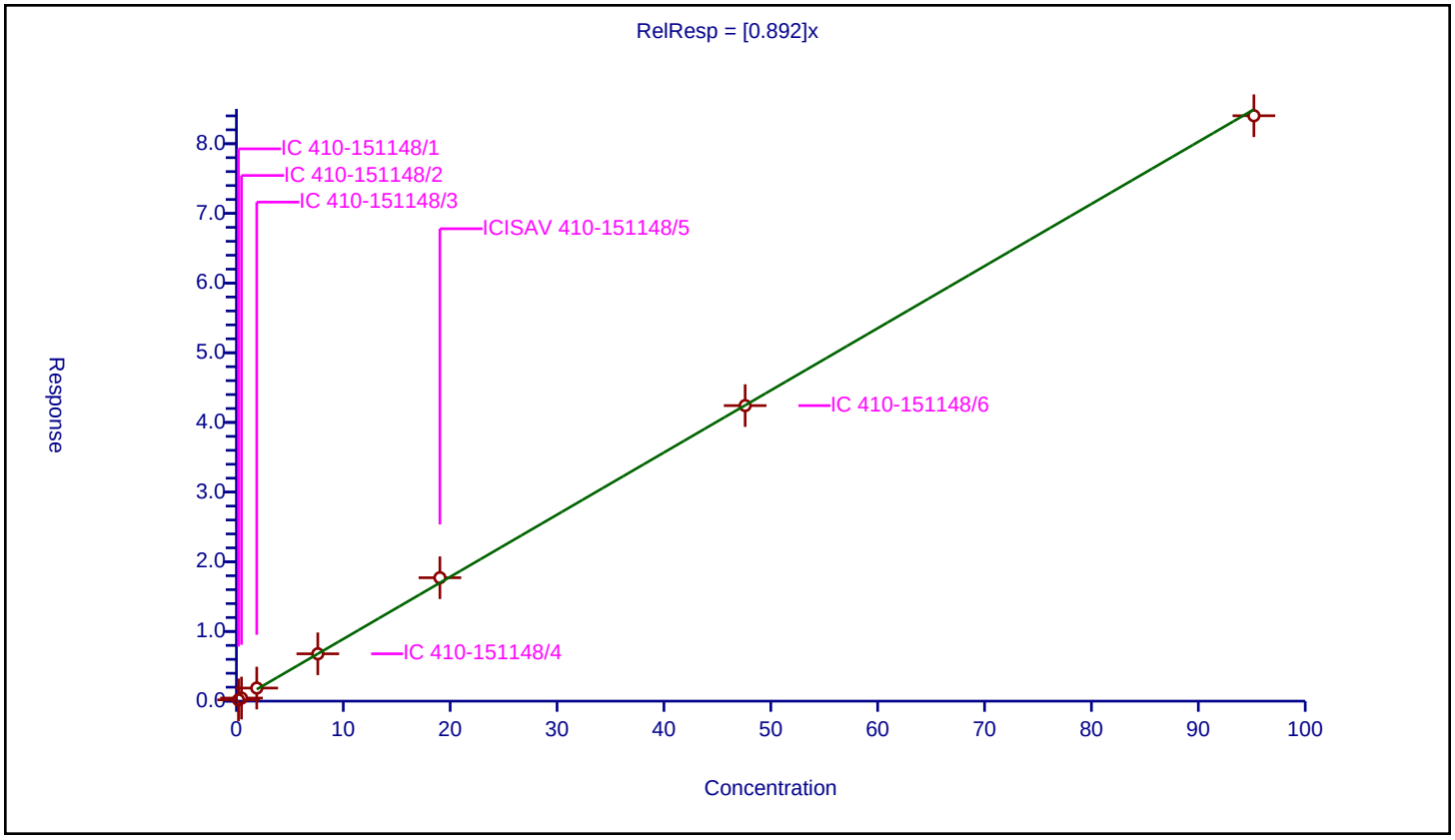
Curve Coefficients

Intercept:	0
Slope:	0.892

Error Coefficients

Standard Error:	24200000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1904	0.185011	9.46	6287722.0	0.971695	Y
2	IC 410-151148/2	0.476	0.44299	9.46	6412739.0	0.930652	Y
3	IC 410-151148/3	1.904	1.880009	9.46	6282136.0	0.987399	Y
4	IC 410-151148/4	7.616	6.793207	9.46	6304637.0	0.891965	Y
5	ICISAV 410-151148/5	19.04	17.71088	9.46	6369749.0	0.930193	Y
6	IC 410-151148/6	47.6	42.41862	9.46	6013272.0	0.891147	Y
7	IC 410-151148/7	95.2	84.018767	9.46	5762963.0	0.88255	Y



Calibration / Perfluorooctanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

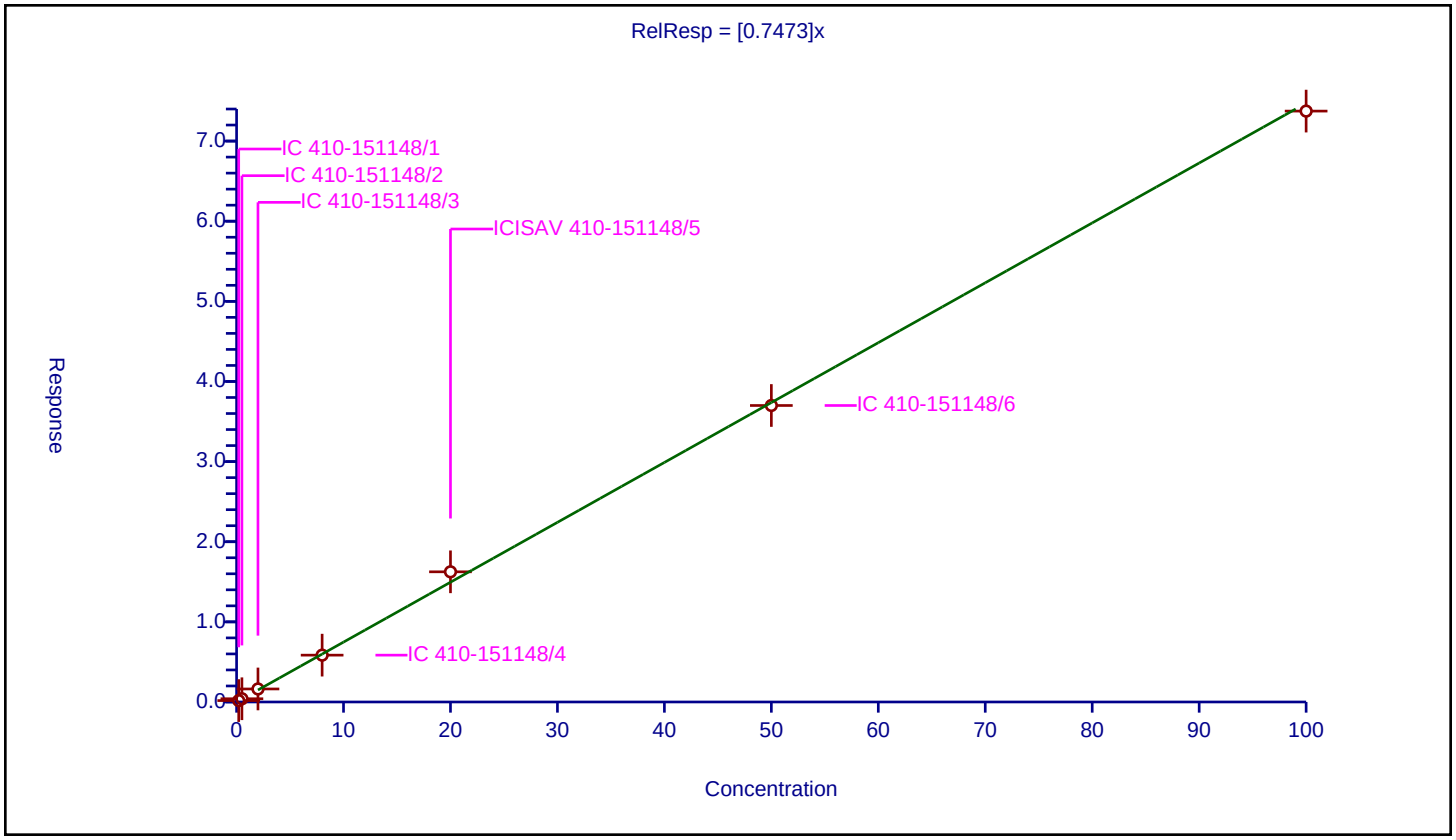
Curve Coefficients

Intercept:	0
Slope:	0.7473

Error Coefficients

Standard Error:	30000000
Relative Standard Error:	9.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.173947	10.0	11171905.0	0.869735	Y
2	IC 410-151148/2	0.5	0.403989	10.0	11014579.0	0.807978	Y
3	IC 410-151148/3	2.0	1.626976	10.0	11558181.0	0.813488	Y
4	IC 410-151148/4	8.0	5.845882	10.0	11113537.0	0.730735	Y
5	ICISAV 410-151148/5	20.0	16.244782	10.0	9942678.0	0.812239	Y
6	IC 410-151148/6	50.0	37.000534	10.0	9457717.0	0.740011	Y
7	IC 410-151148/7	100.0	73.742058	10.0	8452642.0	0.737421	Y



Calibration / Perfluorooctanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

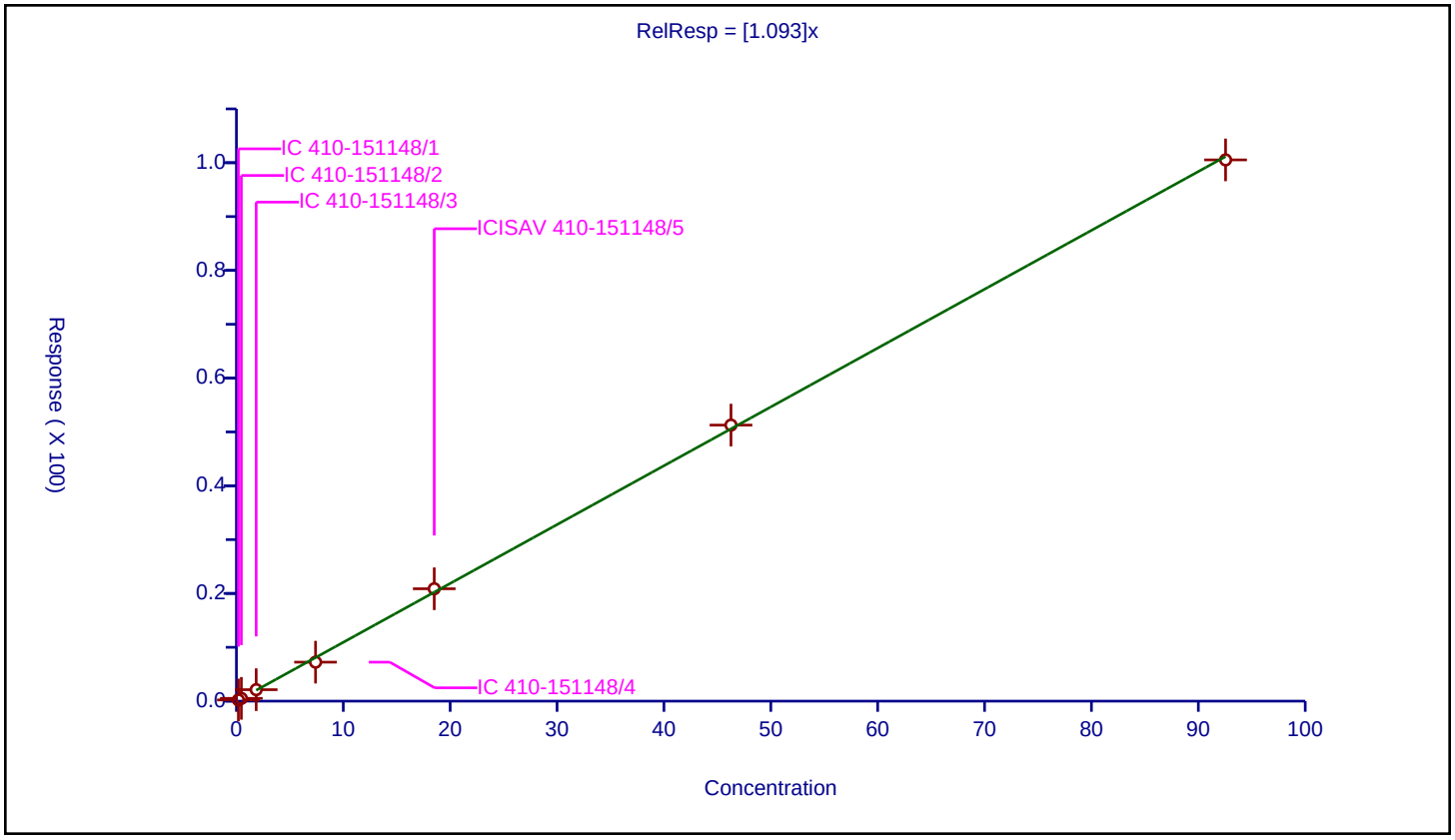
Curve Coefficients

Intercept:	0
Slope:	1.093

Error Coefficients

Standard Error:	27500000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1851	0.220396	9.56	6284375.0	1.190688	Y
2	IC 410-151148/2	0.46275	0.516724	9.56	6203853.0	1.116637	Y
3	IC 410-151148/3	1.851	2.129768	9.56	6410903.0	1.150604	Y
4	IC 410-151148/4	7.404	7.241948	9.56	6368412.0	0.978113	Y
5	ICISAV 410-151148/5	18.51	20.873566	9.56	5927163.0	1.127691	Y
6	IC 410-151148/6	46.275	51.272542	9.56	5497866.0	1.107997	Y
7	IC 410-151148/7	92.55	100.526474	9.56	5599483.0	1.086186	Y



Calibration / Perfluorononanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

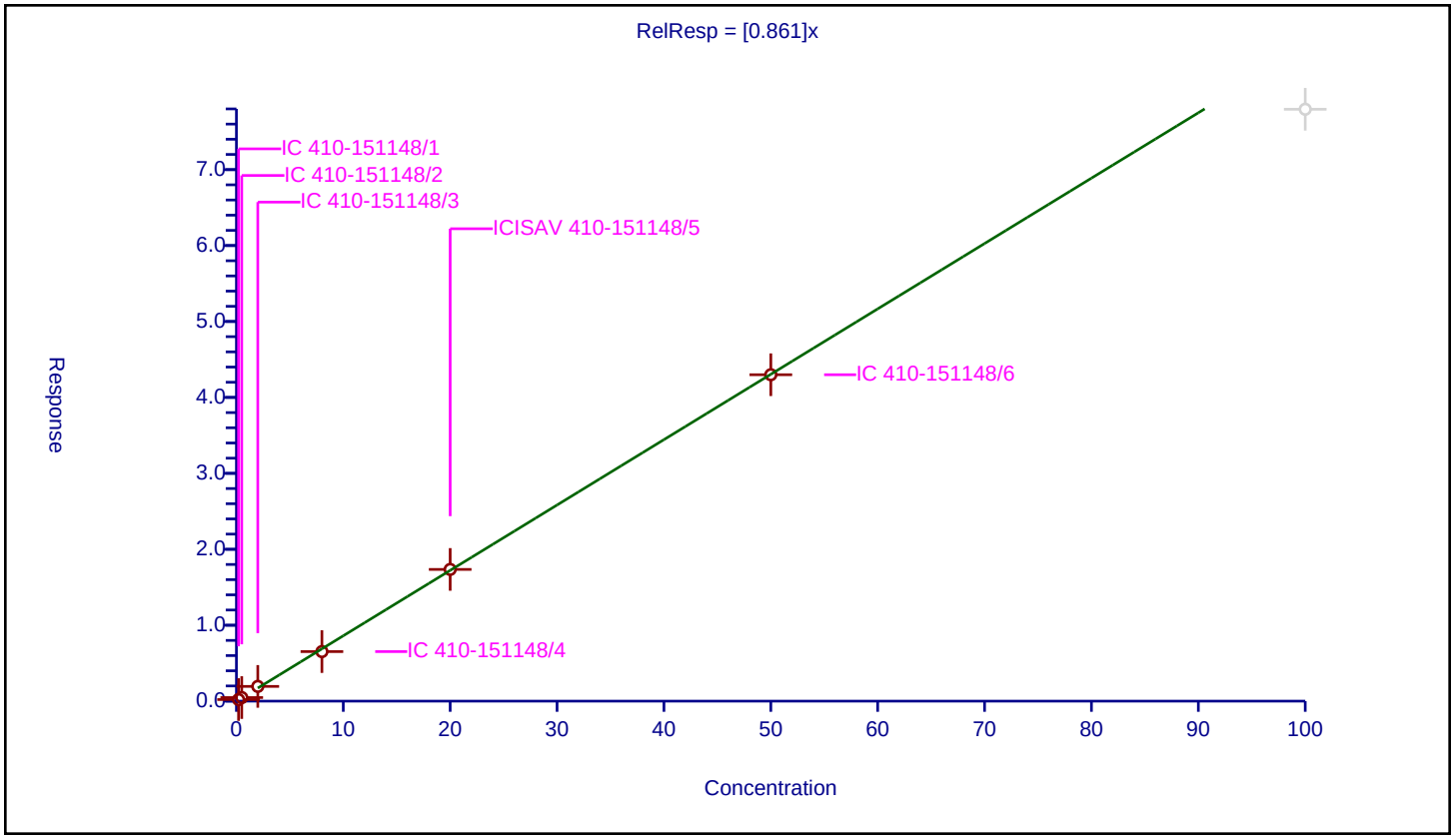
Curve Coefficients

Intercept:	0
Slope:	0.861

Error Coefficients

Standard Error:	16800000
Relative Standard Error:	11.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.207701	10.0	9237377.0	1.038504	Y
2	IC 410-151148/2	0.5	0.470728	10.0	9258679.0	0.941456	Y
3	IC 410-151148/3	2.0	1.942235	10.0	9318972.0	0.971117	Y
4	IC 410-151148/4	8.0	6.524841	10.0	9335267.0	0.815605	Y
5	ICISAV 410-151148/5	20.0	17.346989	10.0	8759137.0	0.867349	Y
6	IC 410-151148/6	50.0	42.988457	10.0	7851121.0	0.859769	Y
7	IC 410-151148/7	100.0	77.951088	10.0	7722357.0	0.779511	N



Calibration / 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

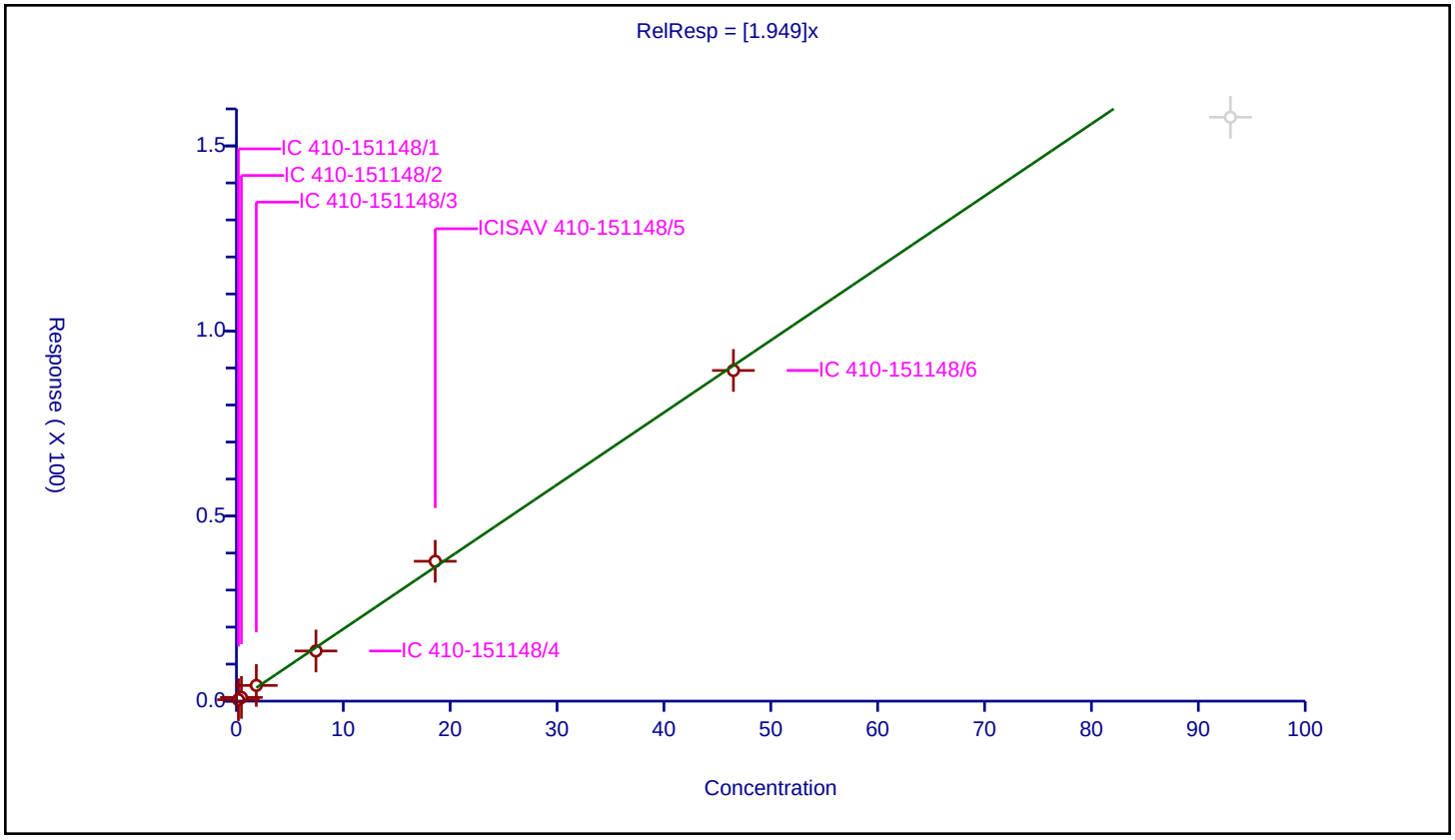
Curve Coefficients

Intercept:	0
Slope:	1.949

Error Coefficients

Standard Error:	25600000
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.186	0.387011	9.56	6284375.0	2.080704	Y
2	IC 410-151148/2	0.465	1.000394	9.56	6203853.0	2.151384	Y
3	IC 410-151148/3	1.86	4.241397	9.56	6410903.0	2.280321	Y
4	IC 410-151148/4	7.44	13.552987	9.56	6368412.0	1.821638	Y
5	ICISAV 410-151148/5	18.6	37.783704	9.56	5927163.0	2.031382	Y
6	IC 410-151148/6	46.5	89.332793	9.56	5497866.0	1.921135	Y
7	IC 410-151148/7	93.0	157.752242	9.56	5599483.0	1.696261	N



Calibration / Perfluorononanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

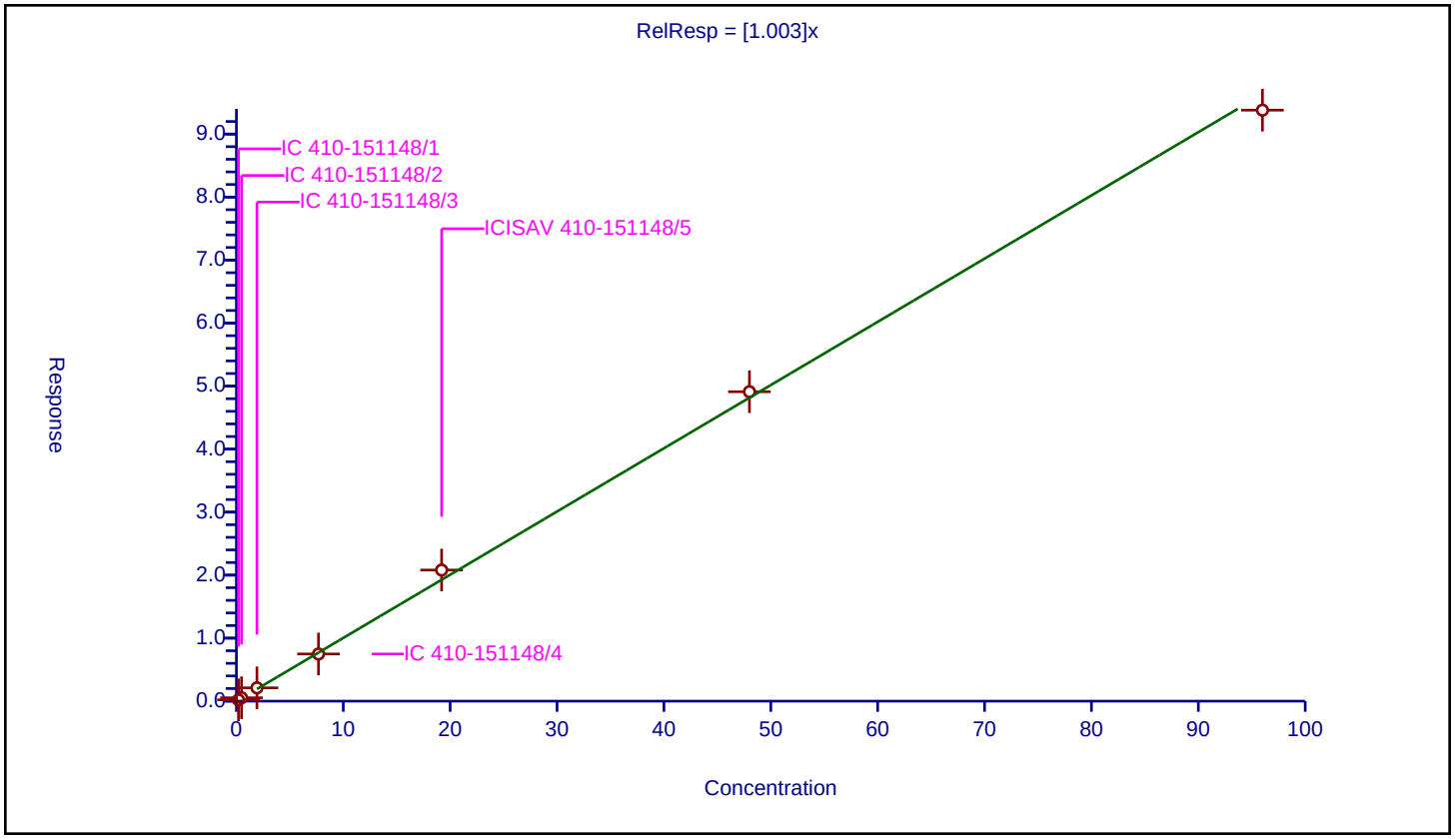
Curve Coefficients

Intercept:	0
Slope:	1.003

Error Coefficients

Standard Error:	25900000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.192	0.205084	9.56	6284375.0	1.068143	Y
2	IC 410-151148/2	0.48	0.535468	9.56	6203853.0	1.115559	Y
3	IC 410-151148/3	1.92	2.111083	9.56	6410903.0	1.099522	Y
4	IC 410-151148/4	7.68	7.483296	9.56	6368412.0	0.974388	Y
5	ICISAV 410-151148/5	19.2	20.810527	9.56	5927163.0	1.083882	Y
6	IC 410-151148/6	48.0	49.109011	9.56	5497866.0	1.023104	Y
7	IC 410-151148/7	96.0	93.798547	9.56	5599483.0	0.977068	Y



Calibration / Perfluorodecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

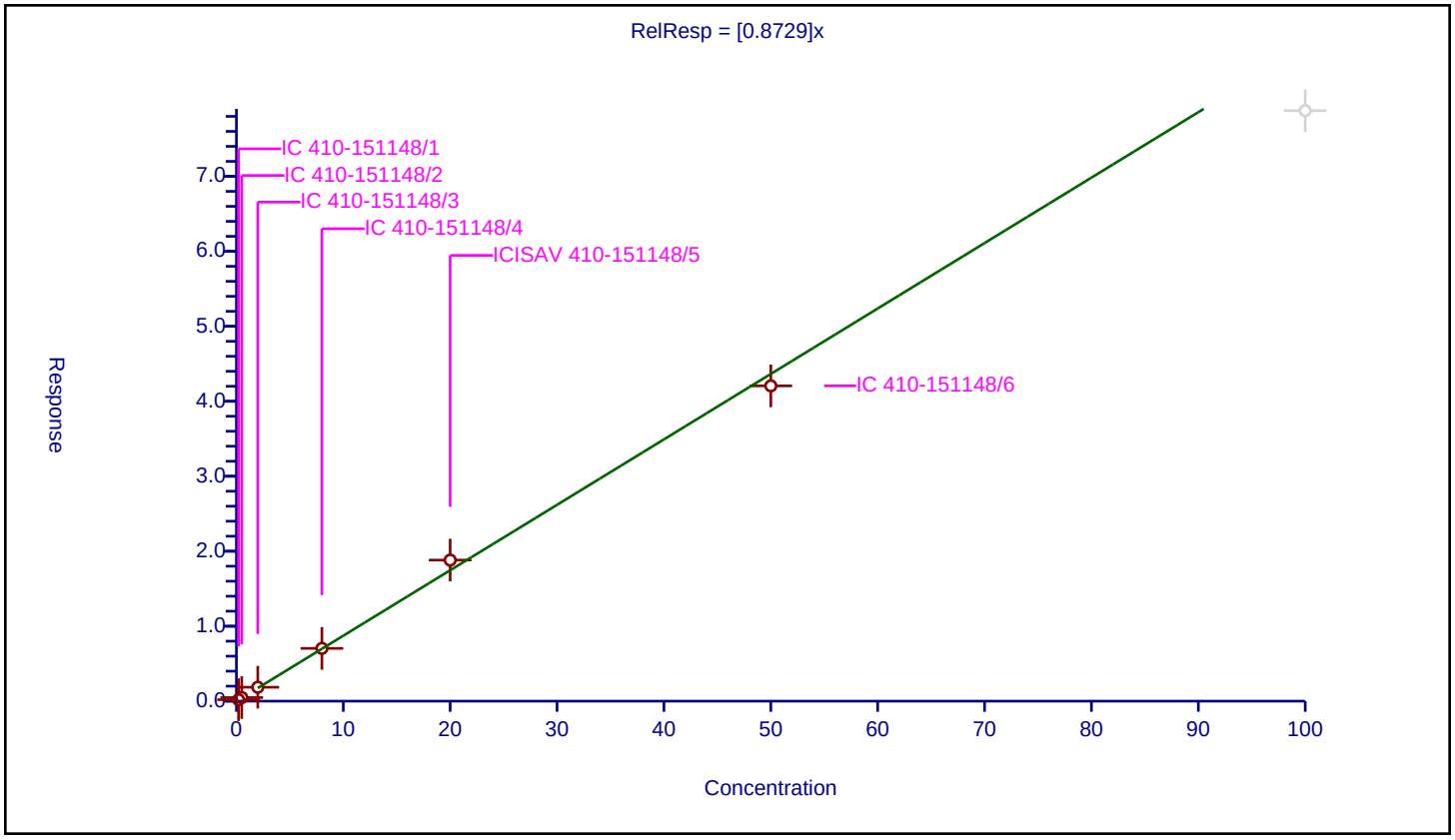
Curve Coefficients

Intercept:	0
Slope:	0.8729

Error Coefficients

Standard Error:	18900000
Relative Standard Error:	8.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.19376	10.0	10749524.0	0.968801	Y
2	IC 410-151148/2	0.5	0.478572	10.0	10966803.0	0.957143	Y
3	IC 410-151148/3	2.0	1.856277	10.0	11339287.0	0.928139	Y
4	IC 410-151148/4	8.0	7.038714	10.0	10618816.0	0.879839	Y
5	ICISAV 410-151148/5	20.0	18.816555	10.0	9686378.0	0.940828	Y
6	IC 410-151148/6	50.0	42.056684	10.0	8885805.0	0.841134	Y
7	IC 410-151148/7	100.0	78.762774	10.0	8210999.0	0.787628	N



Calibration / 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

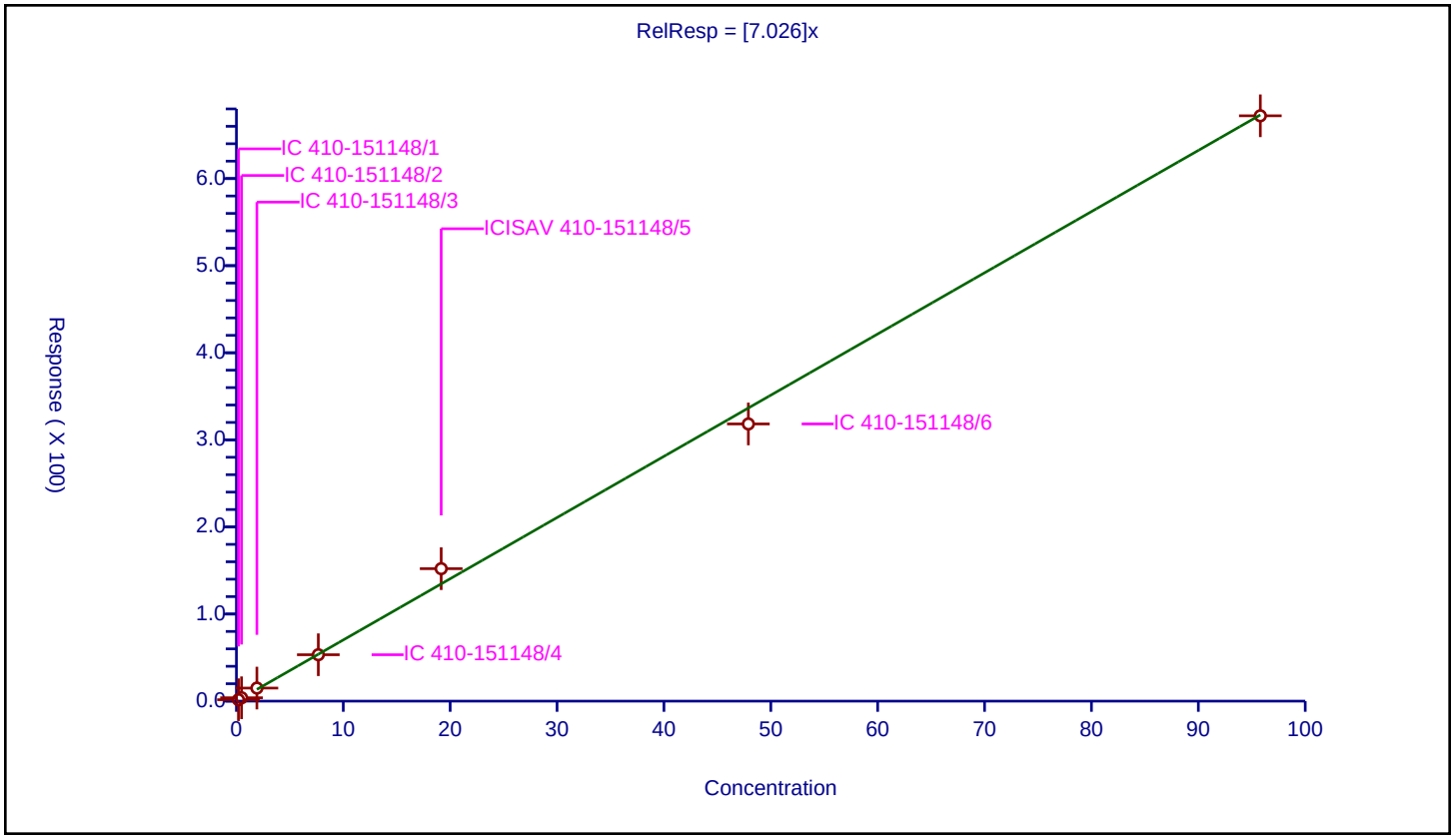
Curve Coefficients

Intercept:	0
Slope:	7.026

Error Coefficients

Standard Error:	4400000
Relative Standard Error:	13.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1916	1.635846	9.58	170184.0	8.537818	Y
2	IC 410-151148/2	0.479	3.880549	9.58	174003.0	8.101355	Y
3	IC 410-151148/3	1.916	15.003589	9.58	187105.0	7.830683	Y
4	IC 410-151148/4	7.664	53.285105	9.58	181698.0	6.952649	Y
5	ICISAV 410-151148/5	19.16	152.098335	9.58	157523.0	7.938326	Y
6	IC 410-151148/6	47.9	318.261825	9.58	152340.0	6.644297	Y
7	IC 410-151148/7	95.8	672.093414	9.58	130112.0	7.015589	Y



Calibration / Perfluorooctanesulfonamide

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

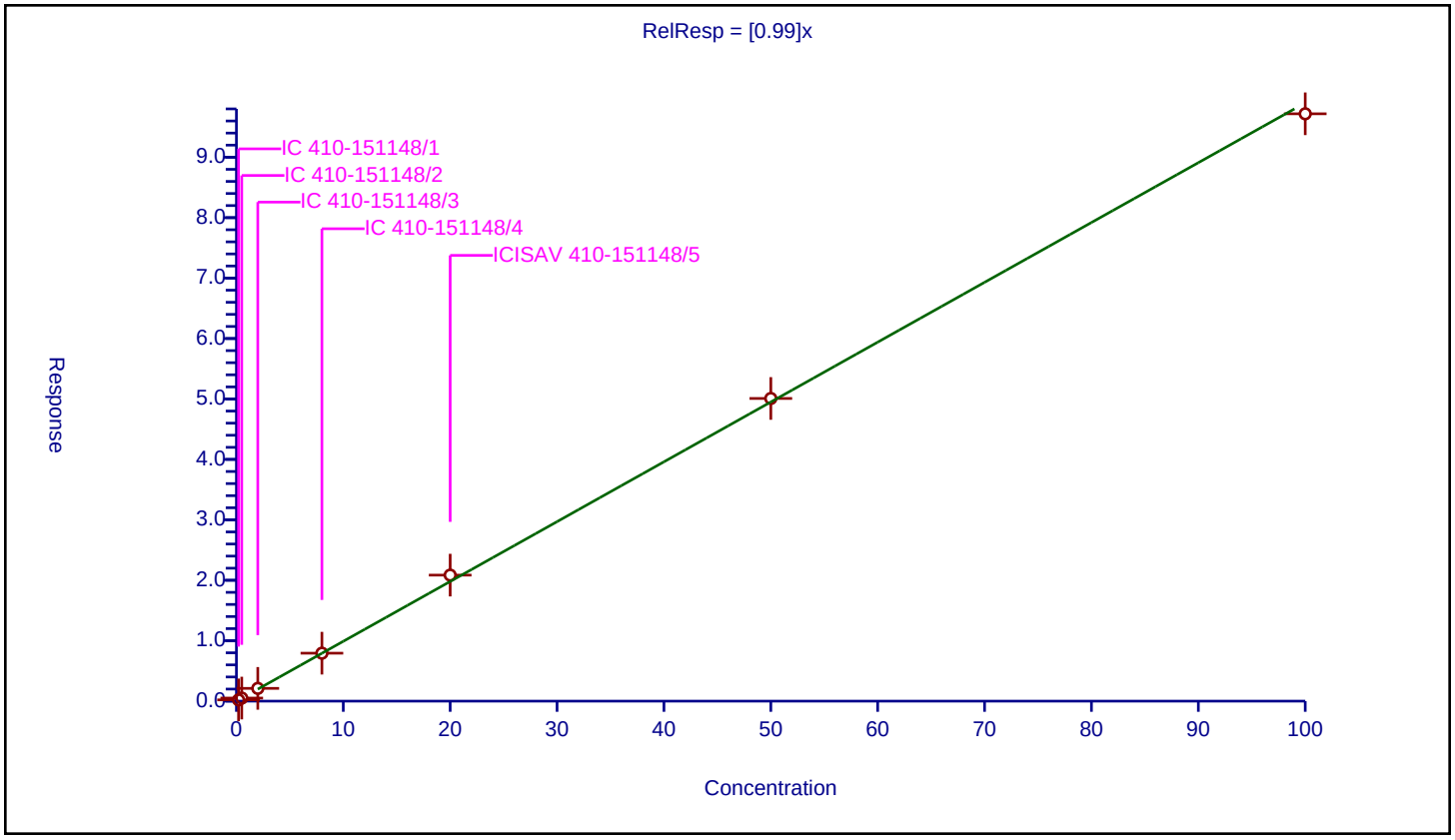
Curve Coefficients

Intercept:	0
Slope:	0.99

Error Coefficients

Standard Error:	40000000
Relative Standard Error:	4.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.210441	10.0	10202820.0	1.052204	Y
2	IC 410-151148/2	0.5	0.508429	10.0	10665838.0	1.016858	Y
3	IC 410-151148/3	2.0	2.111448	10.0	10261829.0	1.055724	Y
4	IC 410-151148/4	8.0	7.933426	10.0	10499114.0	0.991678	Y
5	ICISAV 410-151148/5	20.0	20.850933	10.0	9992068.0	1.042547	Y
6	IC 410-151148/6	50.0	50.083993	10.0	9182632.0	1.00168	Y
7	IC 410-151148/7	100.0	97.190733	10.0	8606092.0	0.971907	Y



Calibration / N-methylperfluorooctanesulfonamidoacetic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

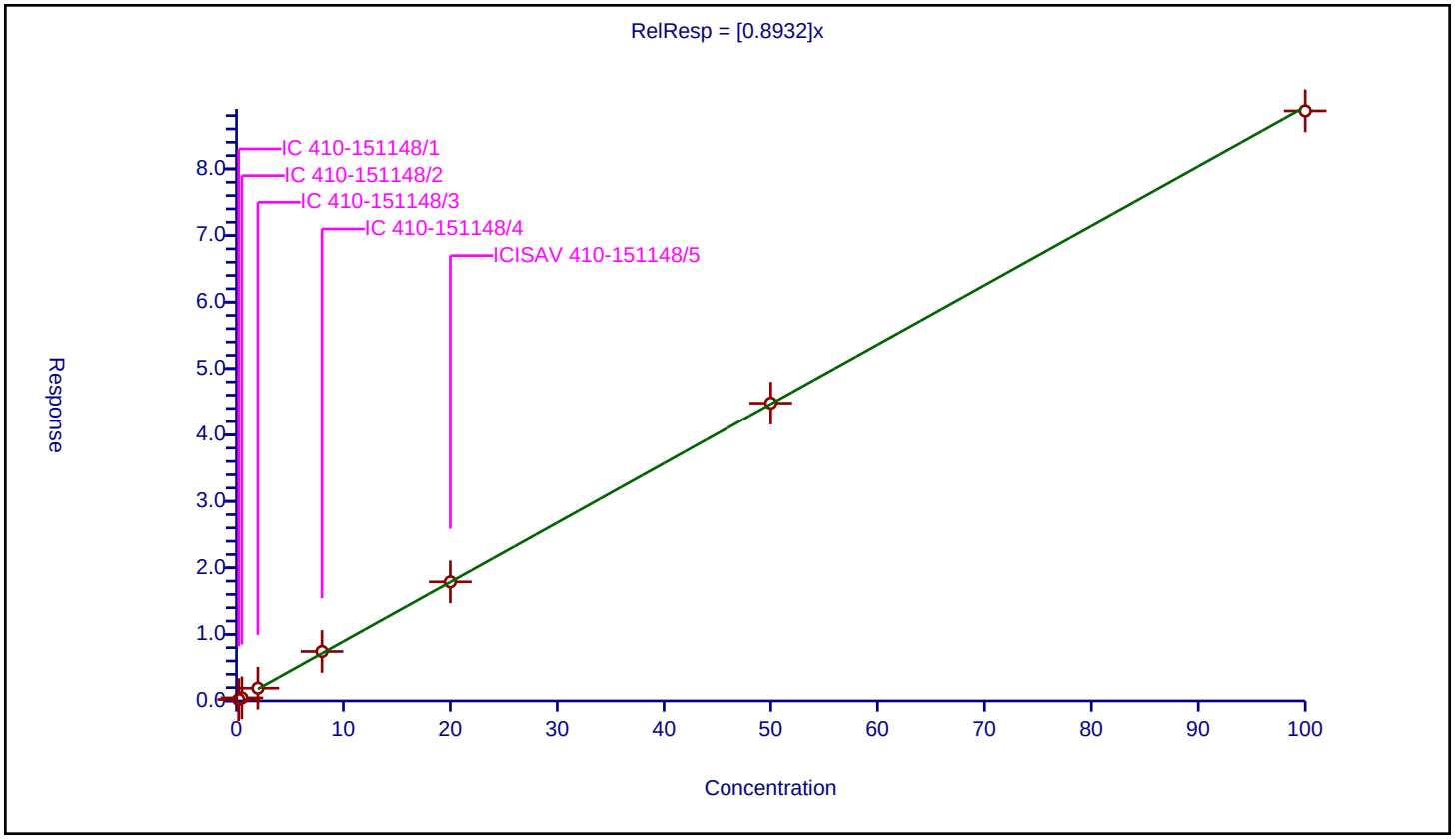
Curve Coefficients

Intercept:	0
Slope:	0.8932

Error Coefficients

Standard Error:	7100000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.208457	10.0	1845563.0	1.042284	Y
2	IC 410-151148/2	0.5	0.460147	10.0	1890006.0	0.920293	Y
3	IC 410-151148/3	2.0	1.914455	10.0	1929045.0	0.957228	Y
4	IC 410-151148/4	8.0	7.431393	10.0	1769052.0	0.928924	Y
5	ICISAV 410-151148/5	20.0	17.890559	10.0	1802710.0	0.894528	Y
6	IC 410-151148/6	50.0	44.794271	10.0	1768903.0	0.895885	Y
7	IC 410-151148/7	100.0	88.705097	10.0	1701015.0	0.887051	Y



Calibration / Perfluorodecanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

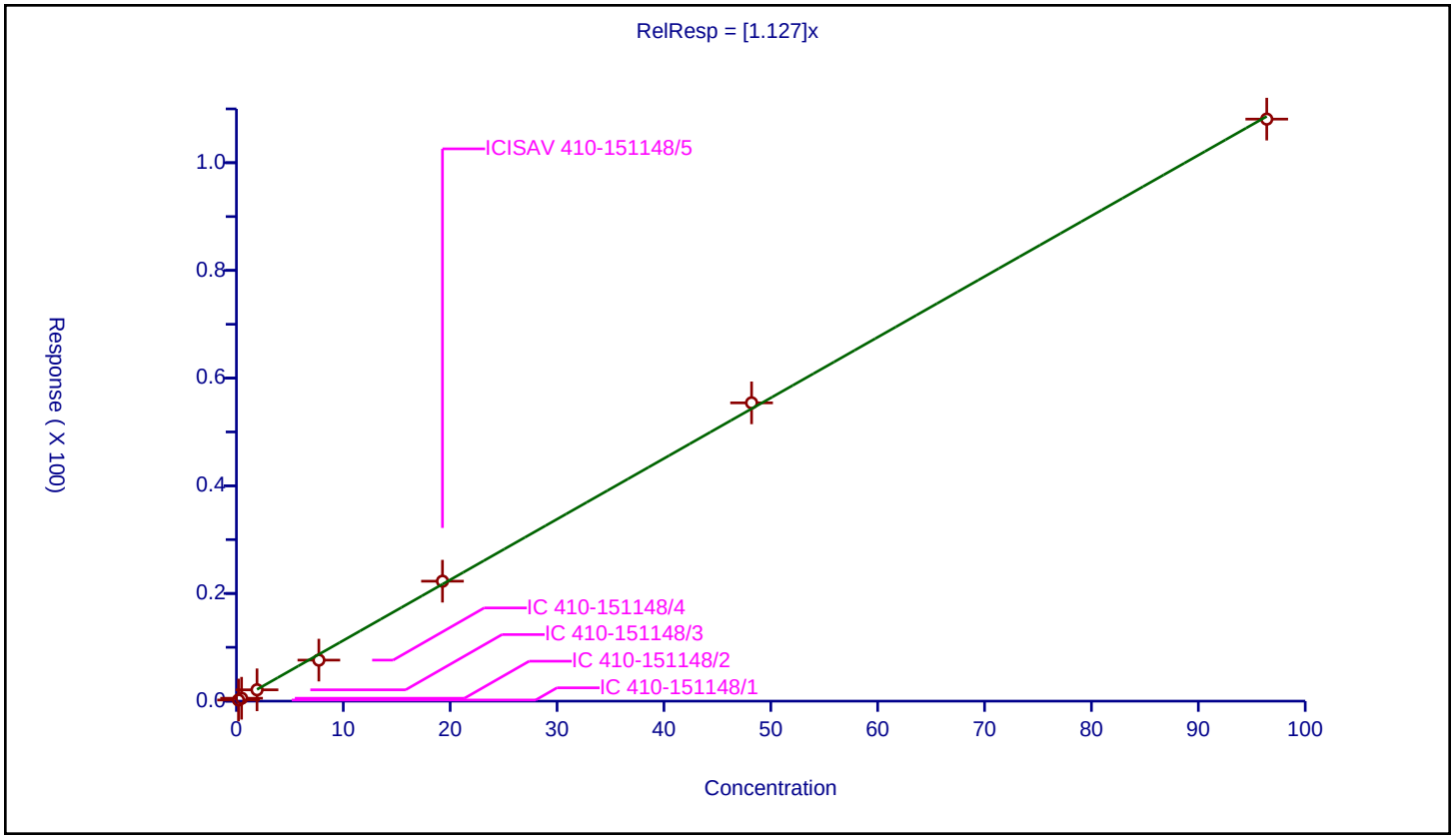
Curve Coefficients

Intercept:	0
Slope:	1.127

Error Coefficients

Standard Error:	29600000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1928	0.208847	9.56	6284375.0	1.083232	Y
2	IC 410-151148/2	0.482	0.535182	9.56	6203853.0	1.110335	Y
3	IC 410-151148/3	1.928	2.103387	9.56	6410903.0	1.090968	Y
4	IC 410-151148/4	7.712	7.621986	9.56	6368412.0	0.988328	Y
5	ICISAV 410-151148/5	19.28	22.277576	9.56	5927163.0	1.155476	Y
6	IC 410-151148/6	48.2	55.403487	9.56	5497866.0	1.14945	Y
7	IC 410-151148/7	96.4	108.099565	9.56	5599483.0	1.121365	Y



Calibration / Perfluoroundecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

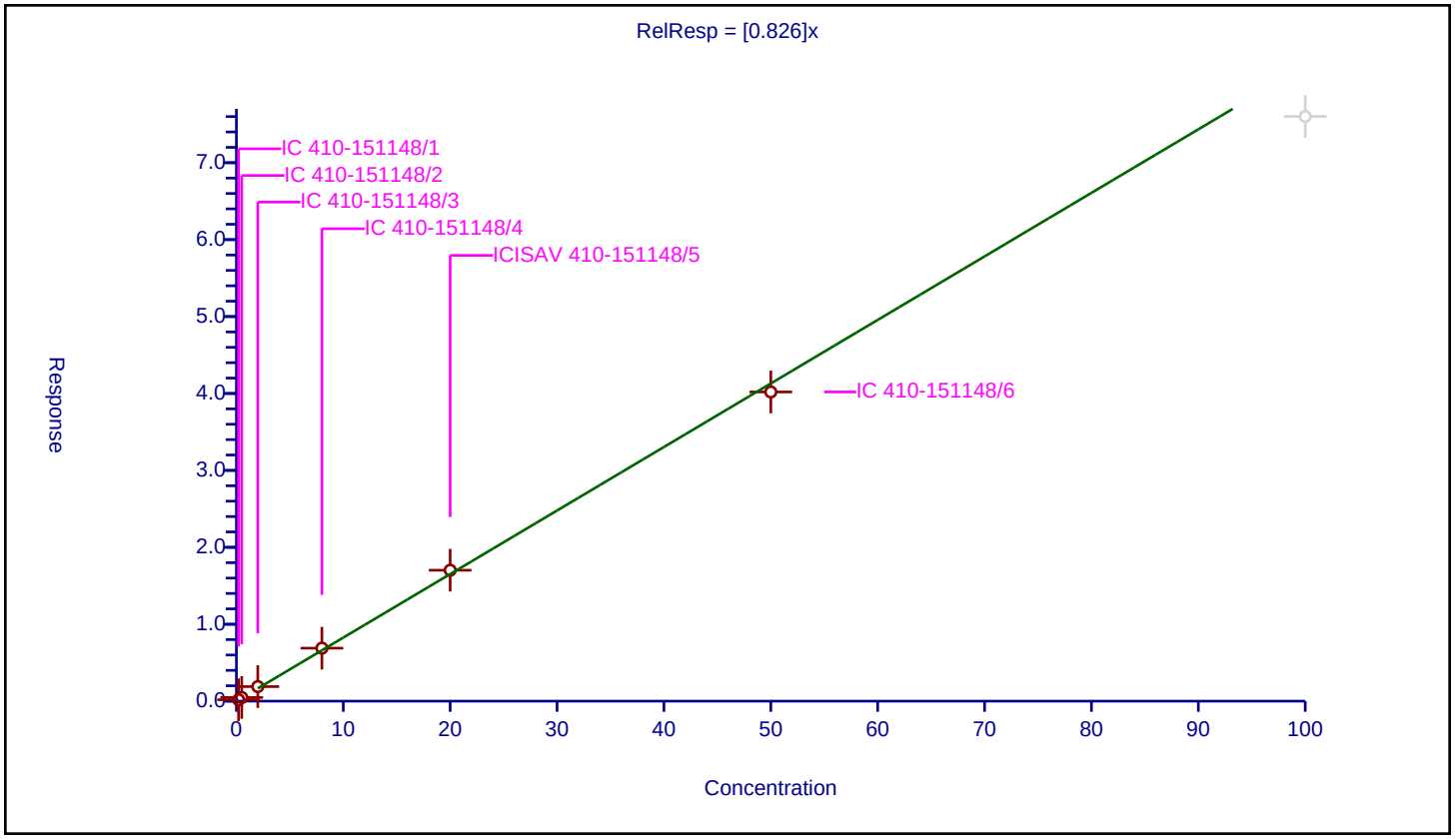
Curve Coefficients

Intercept:	0
Slope:	0.826

Error Coefficients

Standard Error:	17800000
Relative Standard Error:	10.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.182354	10.0	10603500.0	0.91177	Y
2	IC 410-151148/2	0.5	0.475174	10.0	9936595.0	0.950348	Y
3	IC 410-151148/3	2.0	1.892738	10.0	10532347.0	0.946369	Y
4	IC 410-151148/4	8.0	6.889223	10.0	9706397.0	0.861153	Y
5	ICISAV 410-151148/5	20.0	17.02251	10.0	9467986.0	0.851126	Y
6	IC 410-151148/6	50.0	40.197198	10.0	8891726.0	0.803944	Y
7	IC 410-151148/7	100.0	76.016167	10.0	7875054.0	0.760162	N



Calibration / N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

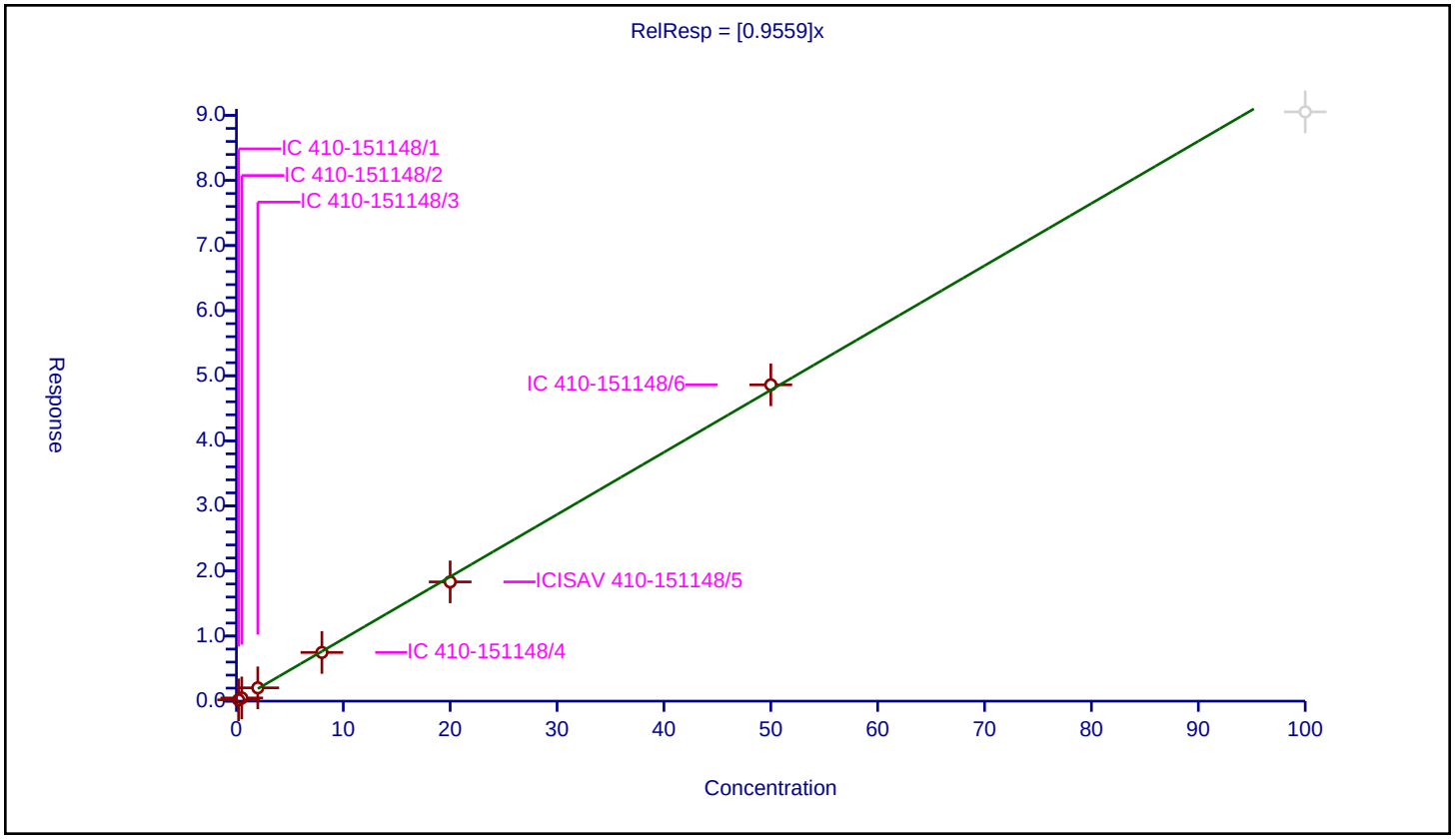
Curve Coefficients

Intercept:	0
Slope:	0.9559

Error Coefficients

Standard Error:	3110000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.19978	10.0	1508659.0	0.9989	Y
2	IC 410-151148/2	0.5	0.488309	10.0	1444311.0	0.976618	Y
3	IC 410-151148/3	2.0	2.042307	10.0	1488591.0	1.021154	Y
4	IC 410-151148/4	8.0	7.483637	10.0	1391409.0	0.935455	Y
5	ICISAV 410-151148/5	20.0	18.323507	10.0	1403644.0	0.916175	Y
6	IC 410-151148/6	50.0	48.606988	10.0	1310843.0	0.97214	Y
7	IC 410-151148/7	100.0	90.541154	10.0	1275534.0	0.905412	N



Calibration / 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

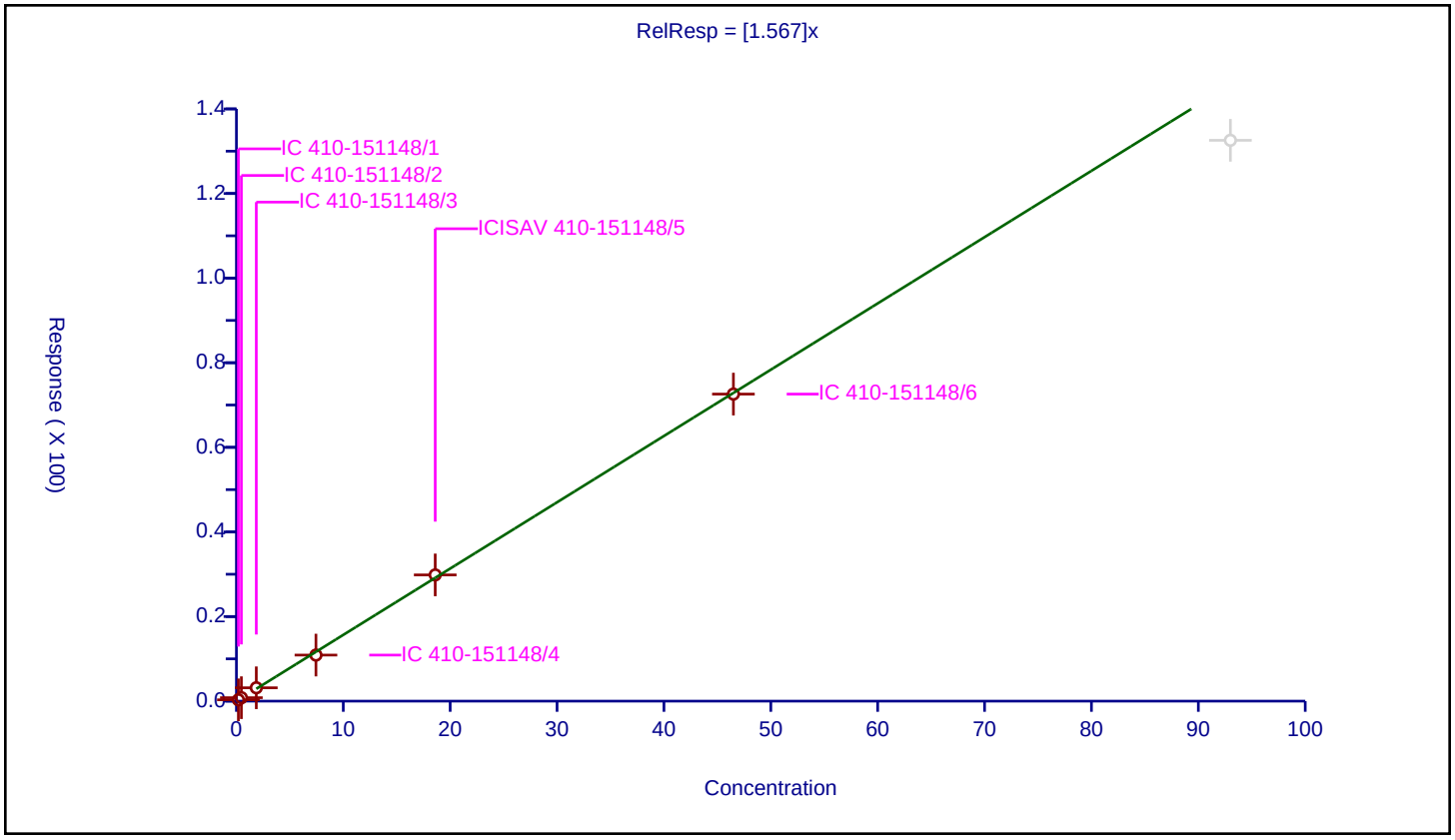
Curve Coefficients

Intercept:	0
Slope:	1.567

Error Coefficients

Standard Error:	20700000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.186	0.309661	9.56	6284375.0	1.664843	Y
2	IC 410-151148/2	0.465	0.81298	9.56	6203853.0	1.748344	Y
3	IC 410-151148/3	1.86	3.160045	9.56	6410903.0	1.698949	Y
4	IC 410-151148/4	7.44	10.891344	9.56	6368412.0	1.46389	Y
5	ICISAV 410-151148/5	18.6	29.840217	9.56	5927163.0	1.604313	Y
6	IC 410-151148/6	46.5	72.585655	9.56	5497866.0	1.560982	Y
7	IC 410-151148/7	93.0	132.572505	9.56	5599483.0	1.425511	N



Calibration / Perfluorododecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

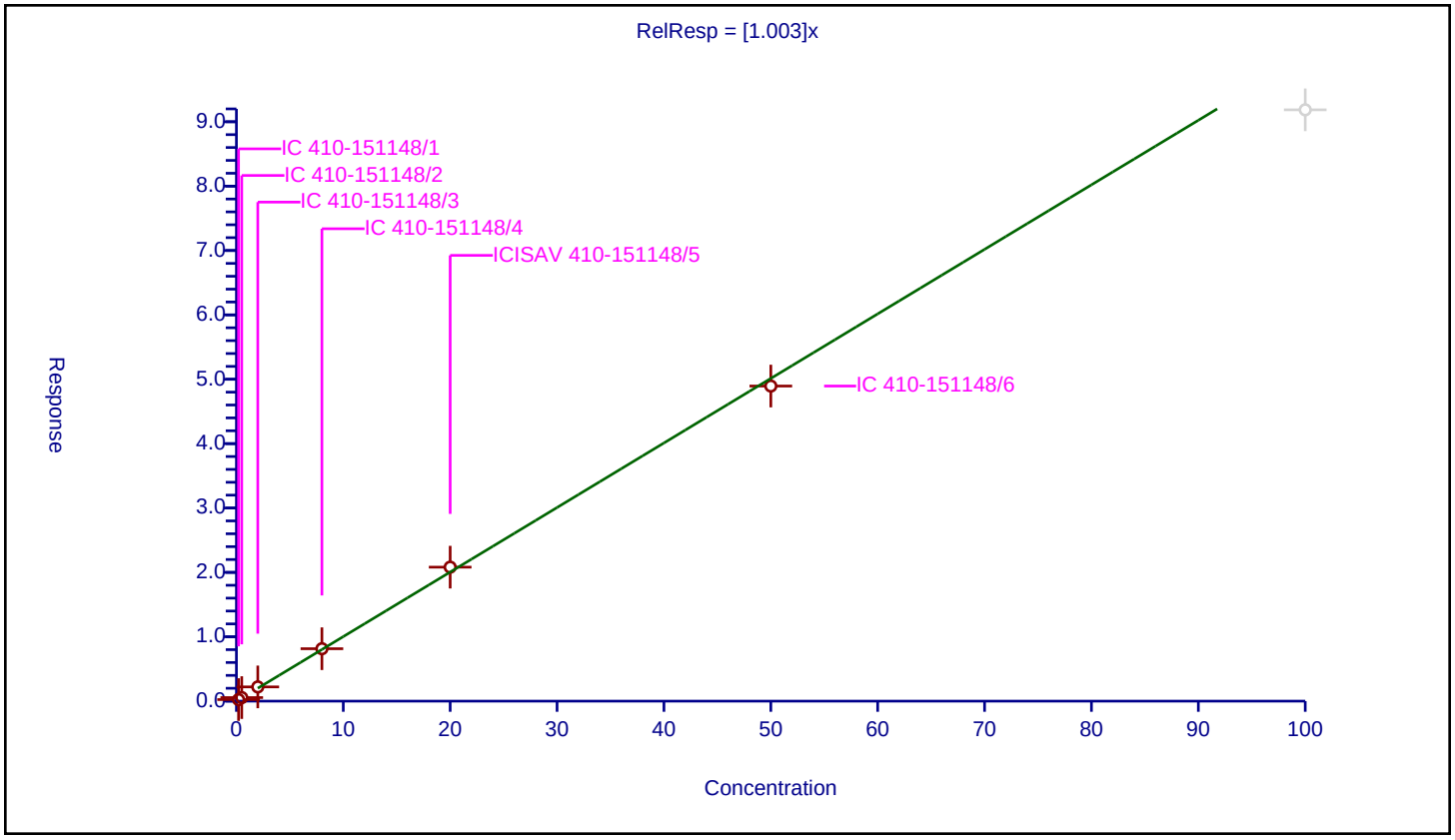
Curve Coefficients

Intercept:	0
Slope:	1.003

Error Coefficients

Standard Error:	15900000
Relative Standard Error:	11.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.242075	10.0	7744243.0	1.210377	Y
2	IC 410-151148/2	0.5	0.553166	10.0	8051003.0	1.106332	Y
3	IC 410-151148/3	2.0	2.21171	10.0	8065516.0	1.105855	Y
4	IC 410-151148/4	8.0	8.14236	10.0	7460326.0	1.017795	Y
5	ICISAV 410-151148/5	20.0	20.812767	10.0	7280465.0	1.040638	Y
6	IC 410-151148/6	50.0	48.944937	10.0	6462030.0	0.978899	Y
7	IC 410-151148/7	100.0	91.855056	10.0	6305814.0	0.918551	N



Calibration / 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

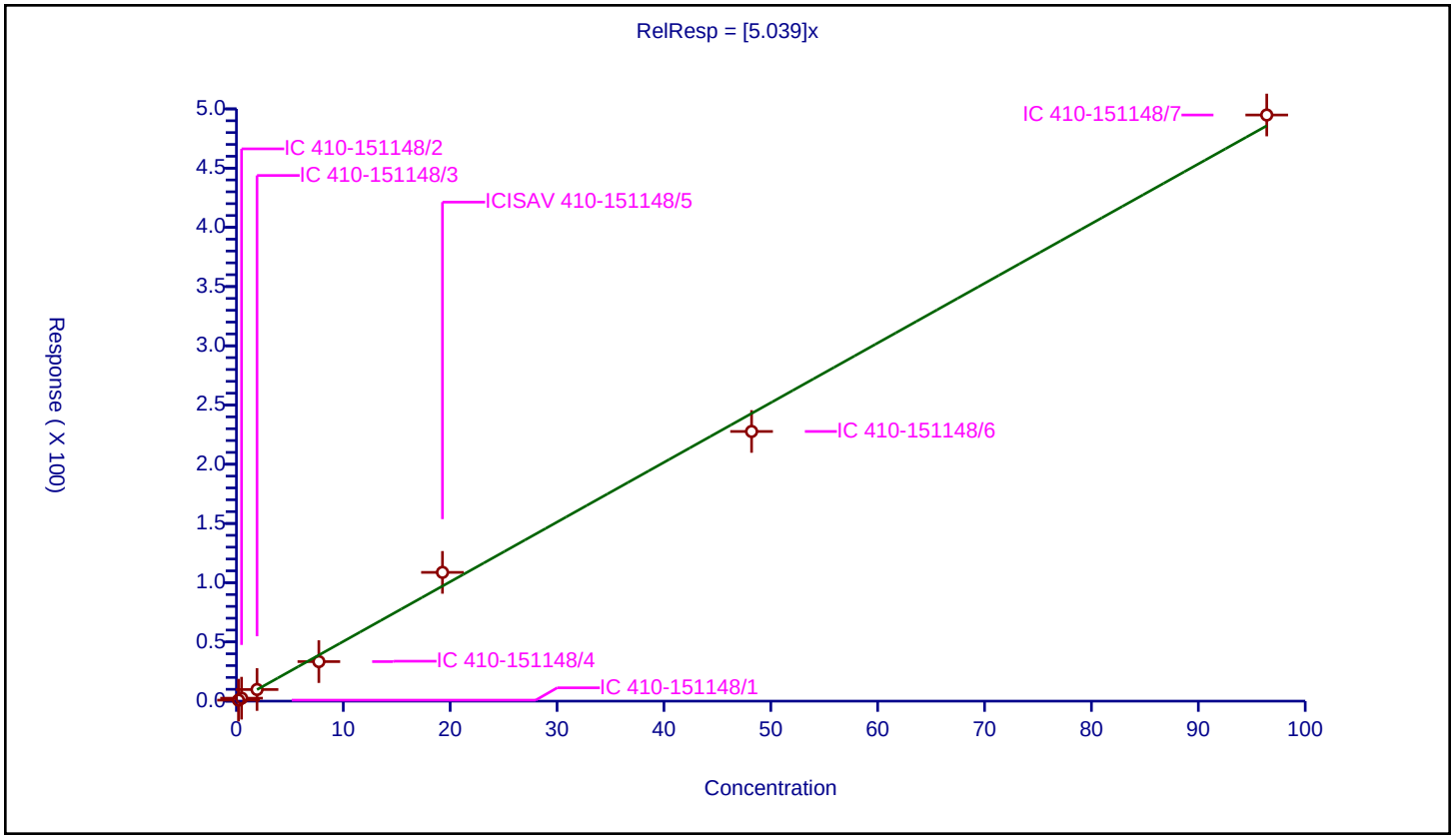
Curve Coefficients

Intercept:	0
Slope:	5.039

Error Coefficients

Standard Error:	3210000
Relative Standard Error:	9.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1928	0.841284	9.58	170184.0	4.363507	Y
2	IC 410-151148/2	0.482	2.48883	9.58	174003.0	5.163548	Y
3	IC 410-151148/3	1.928	9.810303	9.58	187105.0	5.088331	Y
4	IC 410-151148/4	7.712	33.379365	9.58	181698.0	4.328237	Y
5	ICISAV 410-151148/5	19.28	108.705569	9.58	157523.0	5.638256	Y
6	IC 410-151148/6	48.2	227.687245	9.58	152340.0	4.723802	Y
7	IC 410-151148/7	96.4	494.858334	9.58	130112.0	5.133385	Y



Calibration / 2-(N-methylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

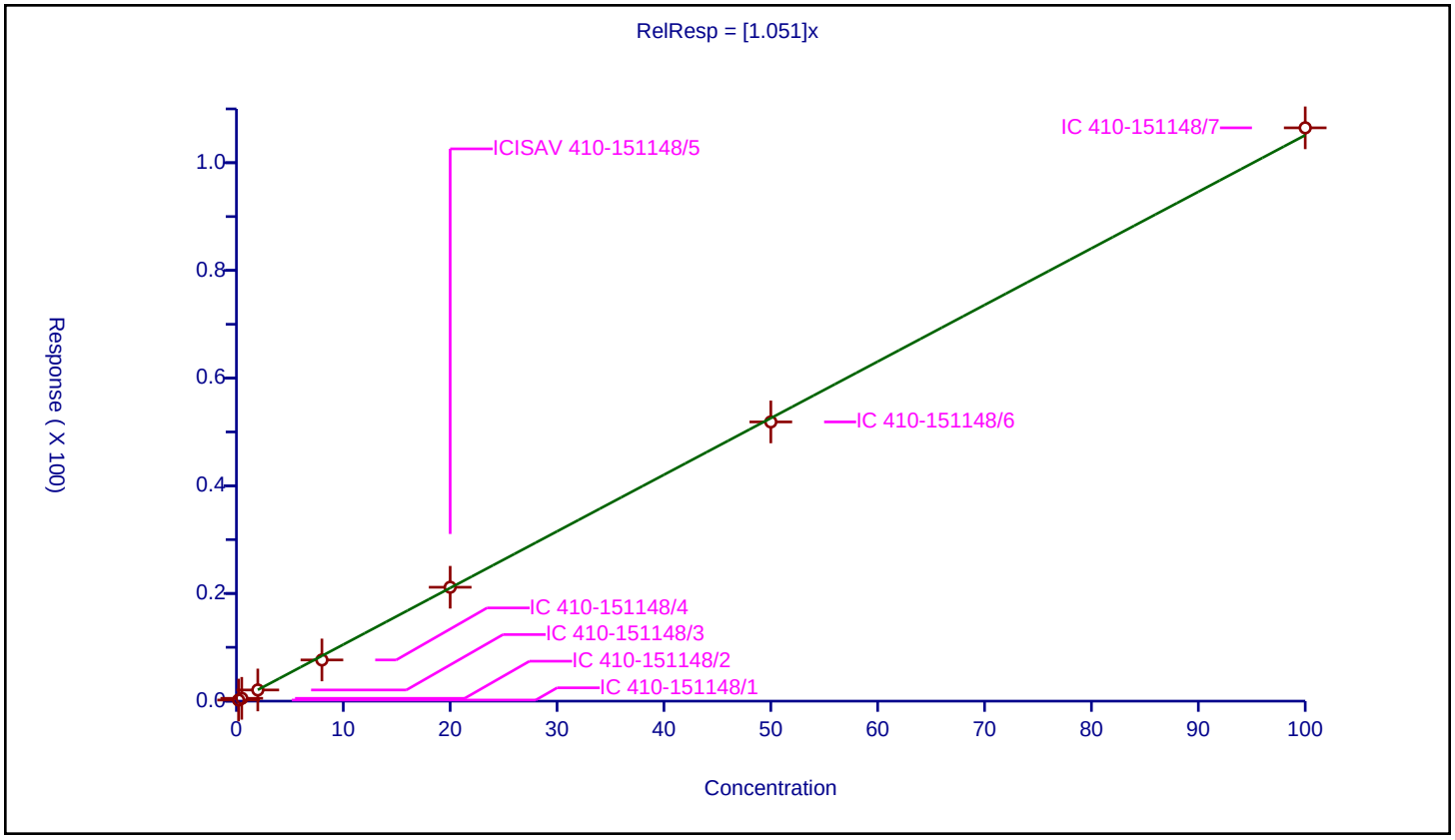
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Standard Error:	8650000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.204603	10.0	1998065.0	1.023015	Y
2	IC 410-151148/2	0.5	0.521402	10.0	1995391.0	1.042803	Y
3	IC 410-151148/3	2.0	2.075138	10.0	2023624.0	1.037569	Y
4	IC 410-151148/4	8.0	7.648797	10.0	1984495.0	0.9561	Y
5	ICISAV 410-151148/5	20.0	21.152652	10.0	1922922.0	1.057633	Y
6	IC 410-151148/6	50.0	51.859187	10.0	1806973.0	1.037184	Y
7	IC 410-151148/7	100.0	106.485186	10.0	1736786.0	1.064852	Y



Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

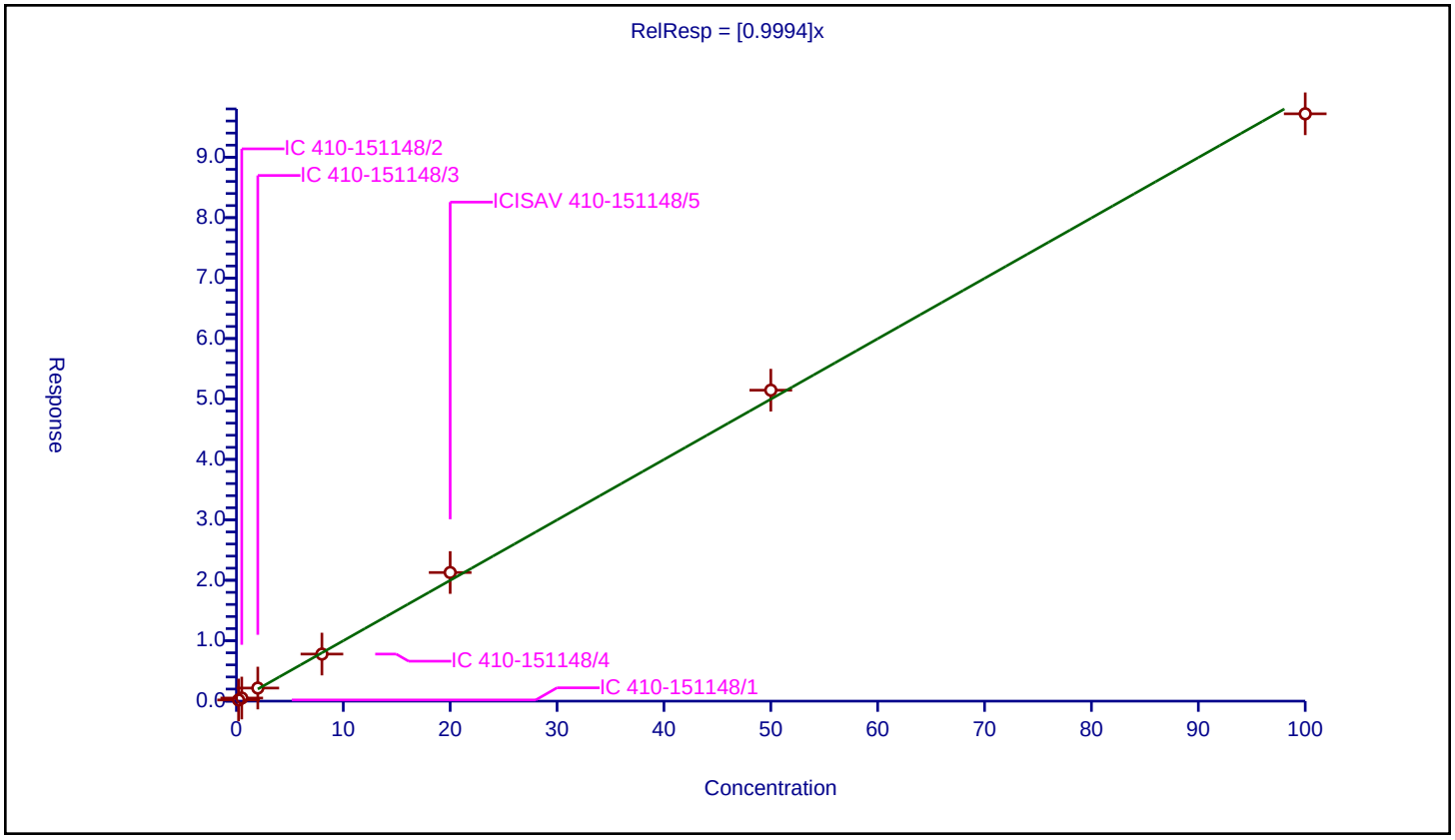
Curve Coefficients

Intercept:	0
Slope:	0.9994

Error Coefficients

Standard Error:	5470000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.19525	10.0	1252699.0	0.976252	Y
2	IC 410-151148/2	0.5	0.514051	10.0	1262792.0	1.028103	Y
3	IC 410-151148/3	2.0	2.164208	10.0	1255411.0	1.082104	Y
4	IC 410-151148/4	8.0	7.788753	10.0	1235276.0	0.973594	Y
5	ICISAV 410-151148/5	20.0	21.284702	10.0	1199033.0	1.064235	Y
6	IC 410-151148/6	50.0	51.455351	10.0	1194289.0	1.029107	Y
7	IC 410-151148/7	100.0	97.190836	10.0	1192618.0	0.971908	Y



Calibration / Perfluorododecanesulfonic acid (PFDoS)

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

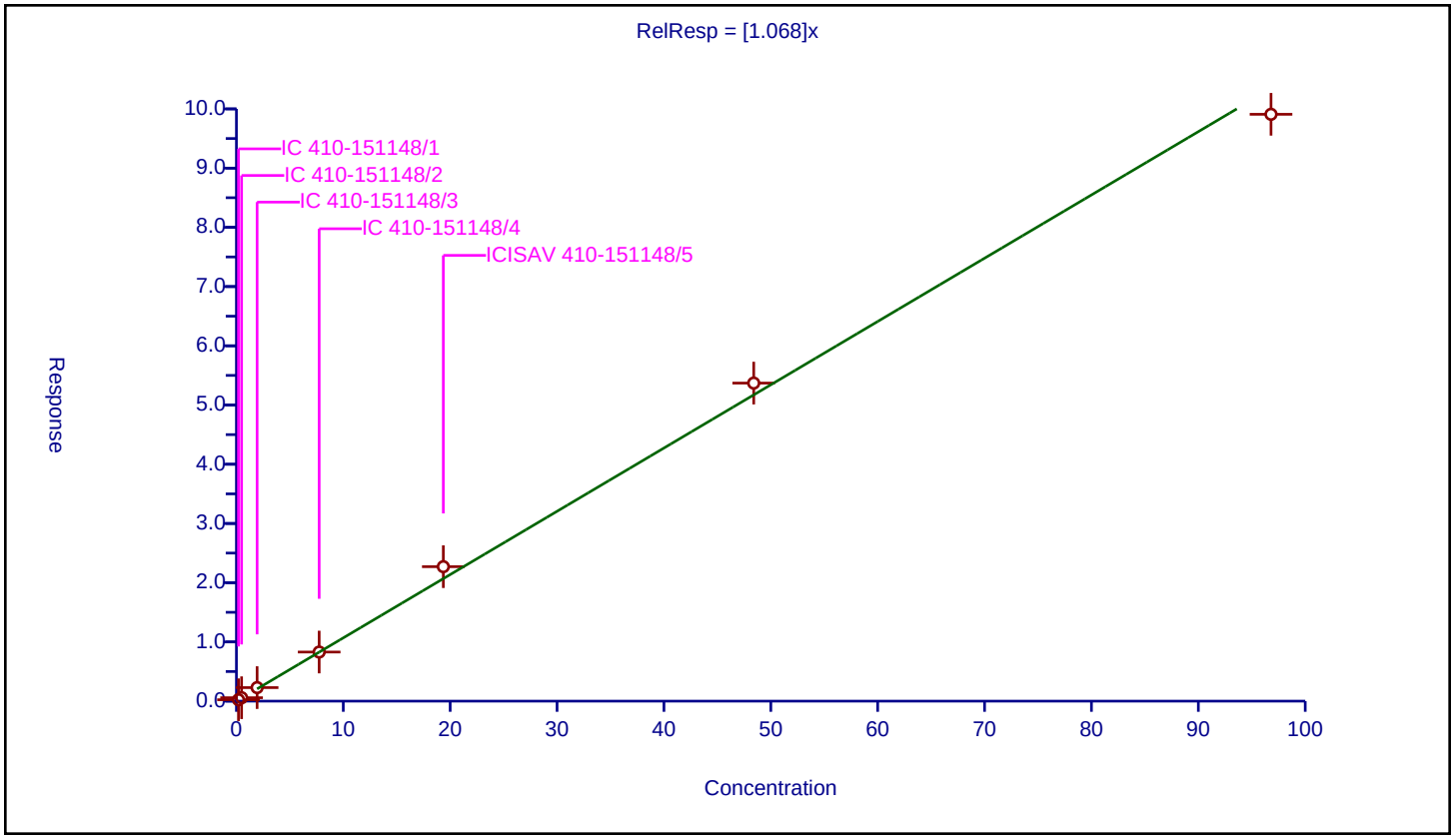
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Standard Error:	27500000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.1936	0.236597	9.56	6284375.0	1.222094	Y
2	IC 410-151148/2	0.484	0.576867	9.56	6203853.0	1.191873	Y
3	IC 410-151148/3	1.936	2.28678	9.56	6410903.0	1.181188	Y
4	IC 410-151148/4	7.744	8.291322	9.56	6368412.0	1.070677	Y
5	ICISAV 410-151148/5	19.36	22.702192	9.56	5927163.0	1.172634	Y
6	IC 410-151148/6	48.4	53.701439	9.56	5497866.0	1.109534	Y
7	IC 410-151148/7	96.8	99.086707	9.56	5599483.0	1.023623	Y



Calibration / 2-(N-ethylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

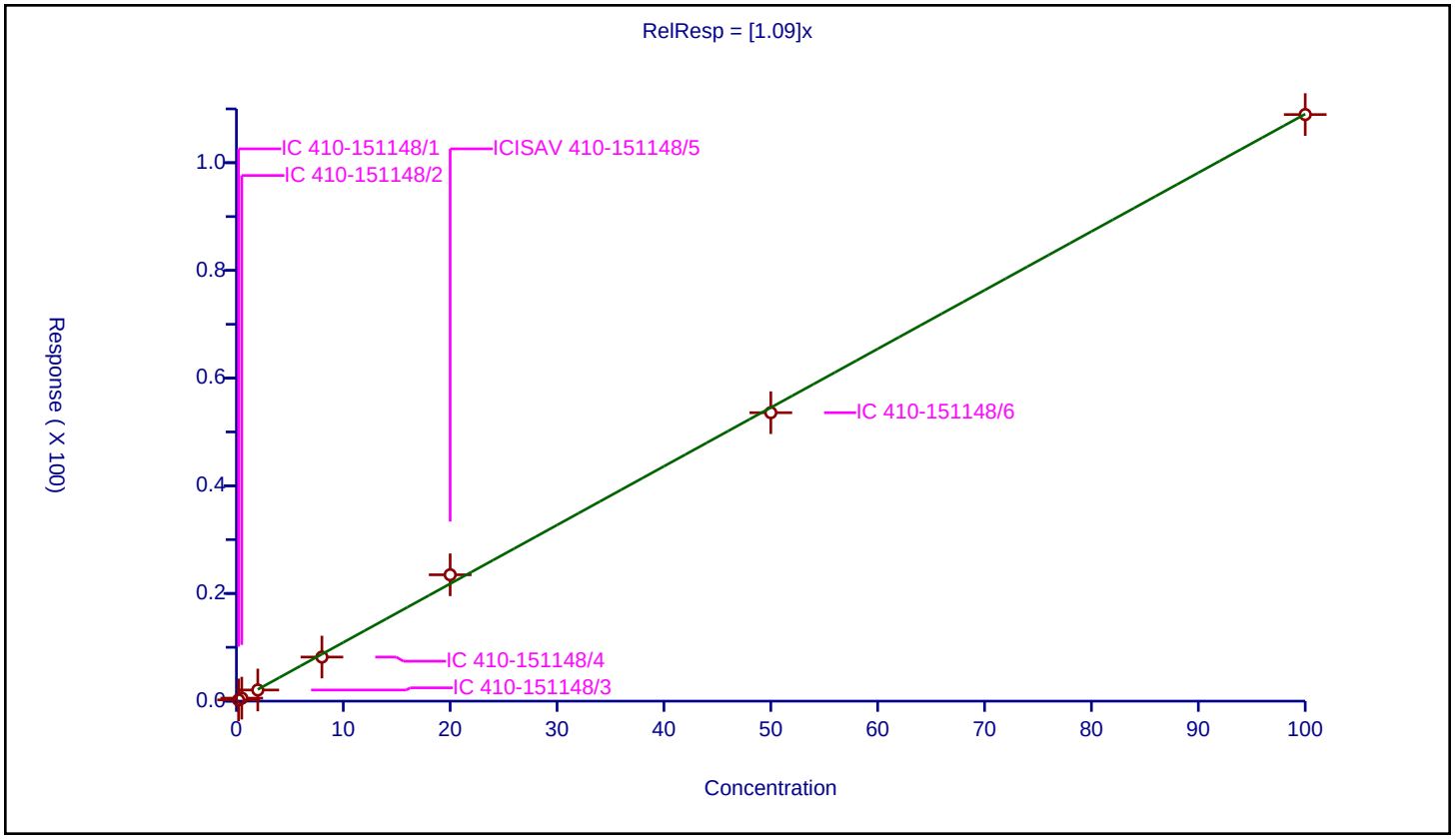
Curve Coefficients

Intercept:	0
Slope:	1.09

Error Coefficients

Standard Error:	9320000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.227792	10.0	2183309.0	1.138959	Y
2	IC 410-151148/2	0.5	0.558452	10.0	2171737.0	1.116903	Y
3	IC 410-151148/3	2.0	2.070139	10.0	2327824.0	1.03507	Y
4	IC 410-151148/4	8.0	8.187377	10.0	2230492.0	1.023422	Y
5	ICISAV 410-151148/5	20.0	23.471263	10.0	2028953.0	1.173563	Y
6	IC 410-151148/6	50.0	53.576396	10.0	1928514.0	1.071528	Y
7	IC 410-151148/7	100.0	108.944918	10.0	1808675.0	1.089449	Y



Calibration / N-ethylperfluoro-1-octanesulfonamide

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

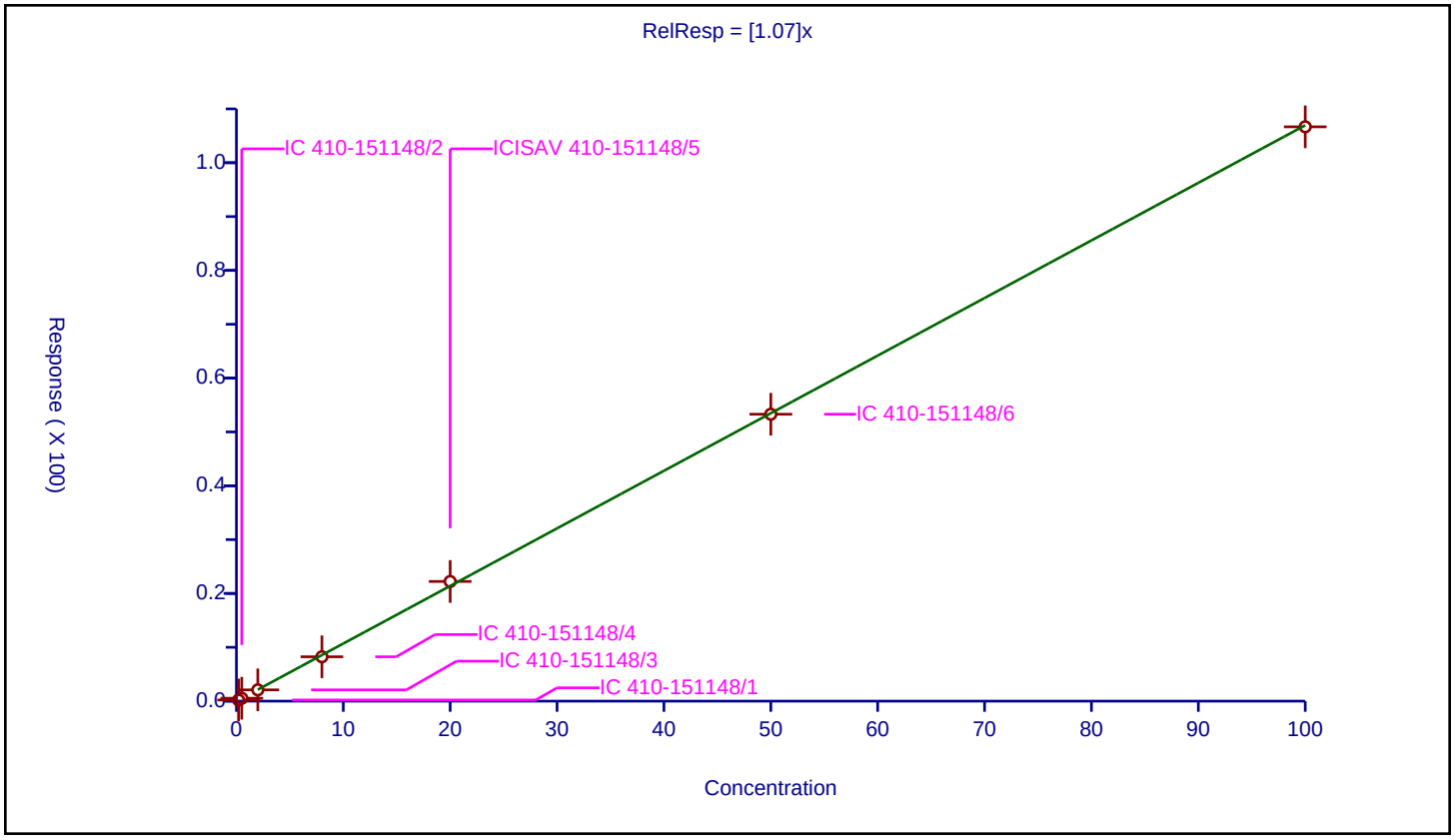
Curve Coefficients

Intercept:	0
Slope:	1.07

Error Coefficients

Standard Error:	5390000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.210209	10.0	1226349.0	1.051047	Y
2	IC 410-151148/2	0.5	0.537352	10.0	1260645.0	1.074704	Y
3	IC 410-151148/3	2.0	2.094967	10.0	1238912.0	1.047484	Y
4	IC 410-151148/4	8.0	8.241034	10.0	1160642.0	1.030129	Y
5	ICISAV 410-151148/5	20.0	22.227072	10.0	1177290.0	1.111354	Y
6	IC 410-151148/6	50.0	53.291904	10.0	1129802.0	1.065838	Y
7	IC 410-151148/7	100.0	106.668529	10.0	1068648.0	1.066685	Y



Calibration / Perfluorotridecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

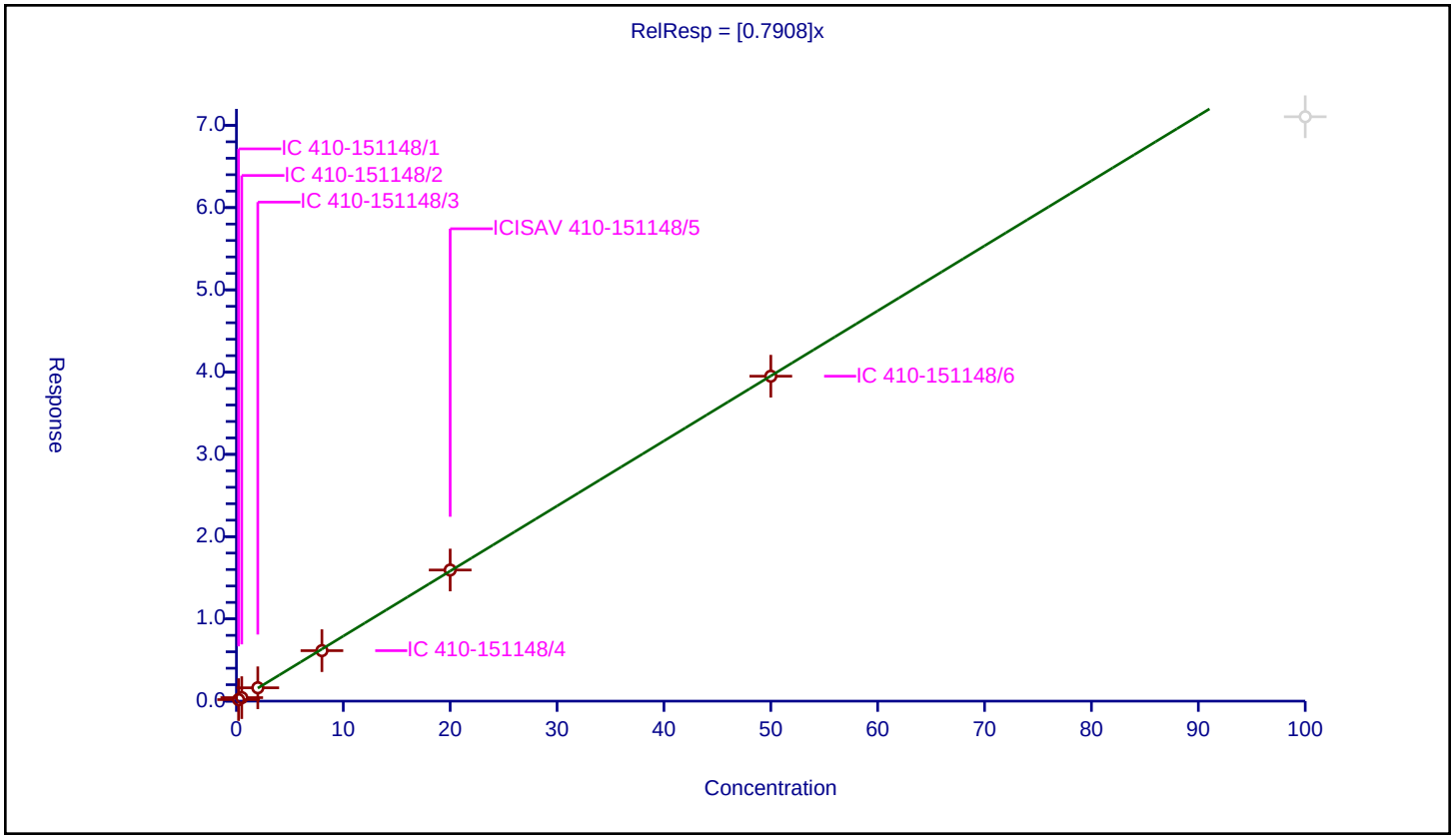
Curve Coefficients

Intercept:	0
Slope:	0.7908

Error Coefficients

Standard Error:	12700000
Relative Standard Error:	8.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.185219	10.0	7744243.0	0.926094	Y
2	IC 410-151148/2	0.5	0.425882	10.0	8051003.0	0.851765	Y
3	IC 410-151148/3	2.0	1.623715	10.0	8065516.0	0.811858	Y
4	IC 410-151148/4	8.0	6.137834	10.0	7460326.0	0.767229	Y
5	ICISAV 410-151148/5	20.0	15.942027	10.0	7280465.0	0.797101	Y
6	IC 410-151148/6	50.0	39.50429	10.0	6462030.0	0.790086	Y
7	IC 410-151148/7	100.0	71.043592	10.0	6305814.0	0.710436	N



Calibration / Perfluorotetradecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

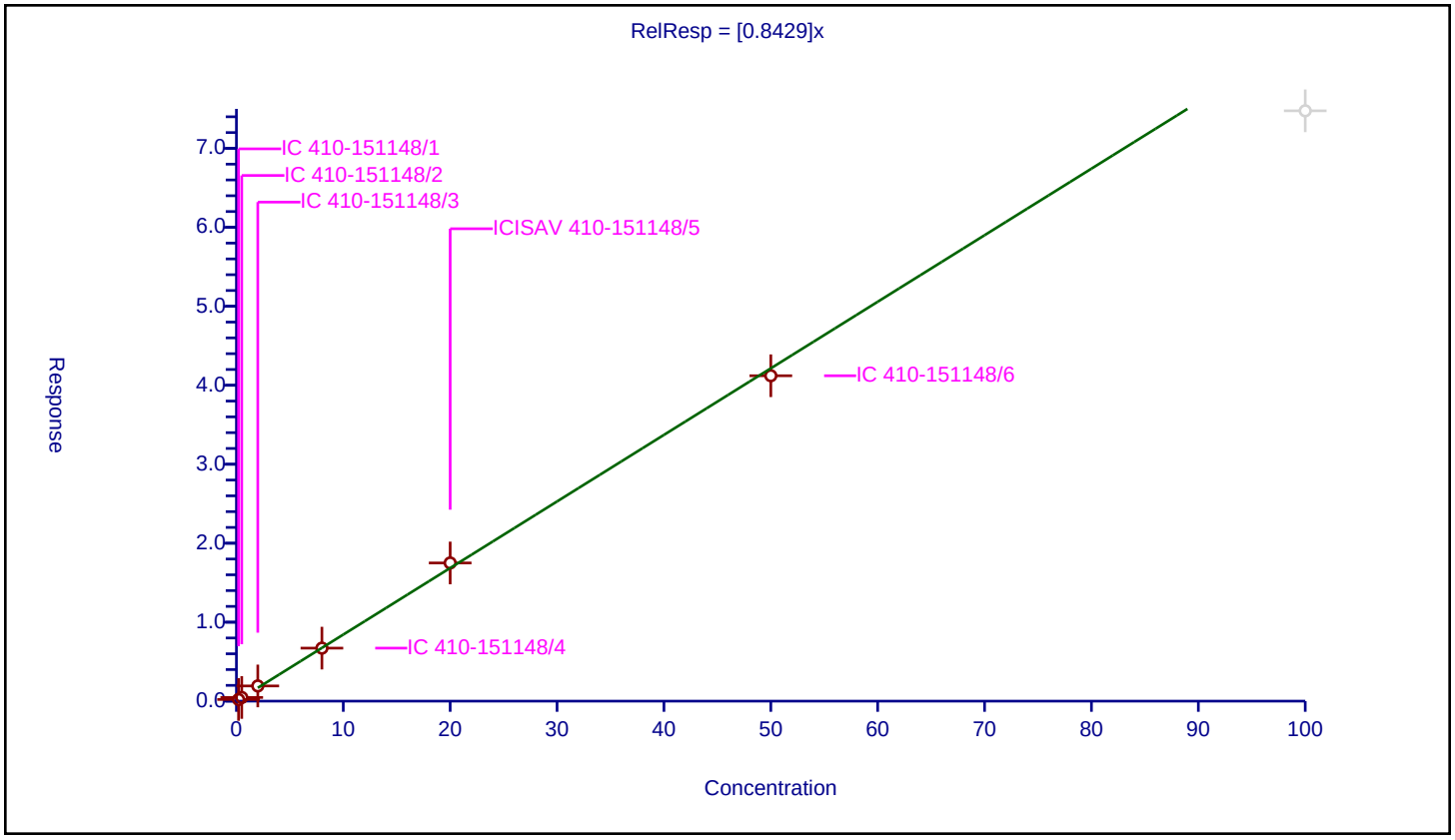
Curve Coefficients

Intercept:	0
Slope:	0.8429

Error Coefficients

Standard Error:	14400000
Relative Standard Error:	13.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.209131	10.0	7925924.0	1.045657	Y
2	IC 410-151148/2	0.5	0.464877	10.0	8556900.0	0.929755	Y
3	IC 410-151148/3	2.0	1.925313	10.0	8462248.0	0.962657	Y
4	IC 410-151148/4	8.0	6.713177	10.0	7917094.0	0.839147	Y
5	ICISAV 410-151148/5	20.0	17.500655	10.0	7565757.0	0.875033	Y
6	IC 410-151148/6	50.0	41.208347	10.0	7021269.0	0.824167	Y
7	IC 410-151148/7	100.0	74.757076	10.0	6813887.0	0.747571	N



Calibration / Perfluorohexadecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

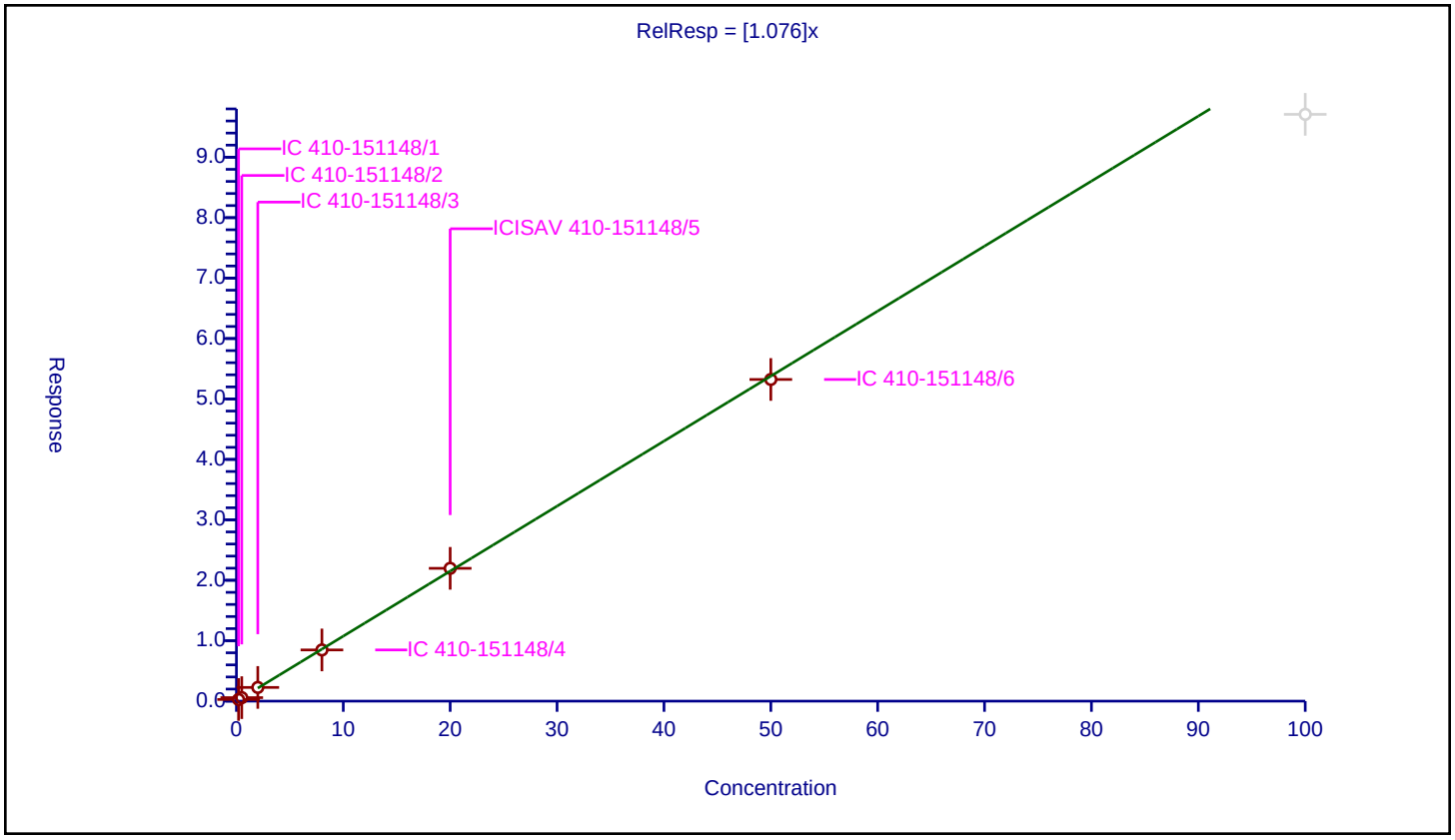
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Standard Error:	18600000
Relative Standard Error:	13.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.276899	10.0	7925924.0	1.384495	Y
2	IC 410-151148/2	0.5	0.581693	10.0	8556900.0	1.163386	Y
3	IC 410-151148/3	2.0	2.265743	10.0	8462248.0	1.132872	Y
4	IC 410-151148/4	8.0	8.472407	10.0	7917094.0	1.059051	Y
5	ICISAV 410-151148/5	20.0	21.977308	10.0	7565757.0	1.098865	Y
6	IC 410-151148/6	50.0	53.227108	10.0	7021269.0	1.064542	Y
7	IC 410-151148/7	100.0	97.095121	10.0	6813887.0	0.970951	N



Calibration / Perfluorooctadecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

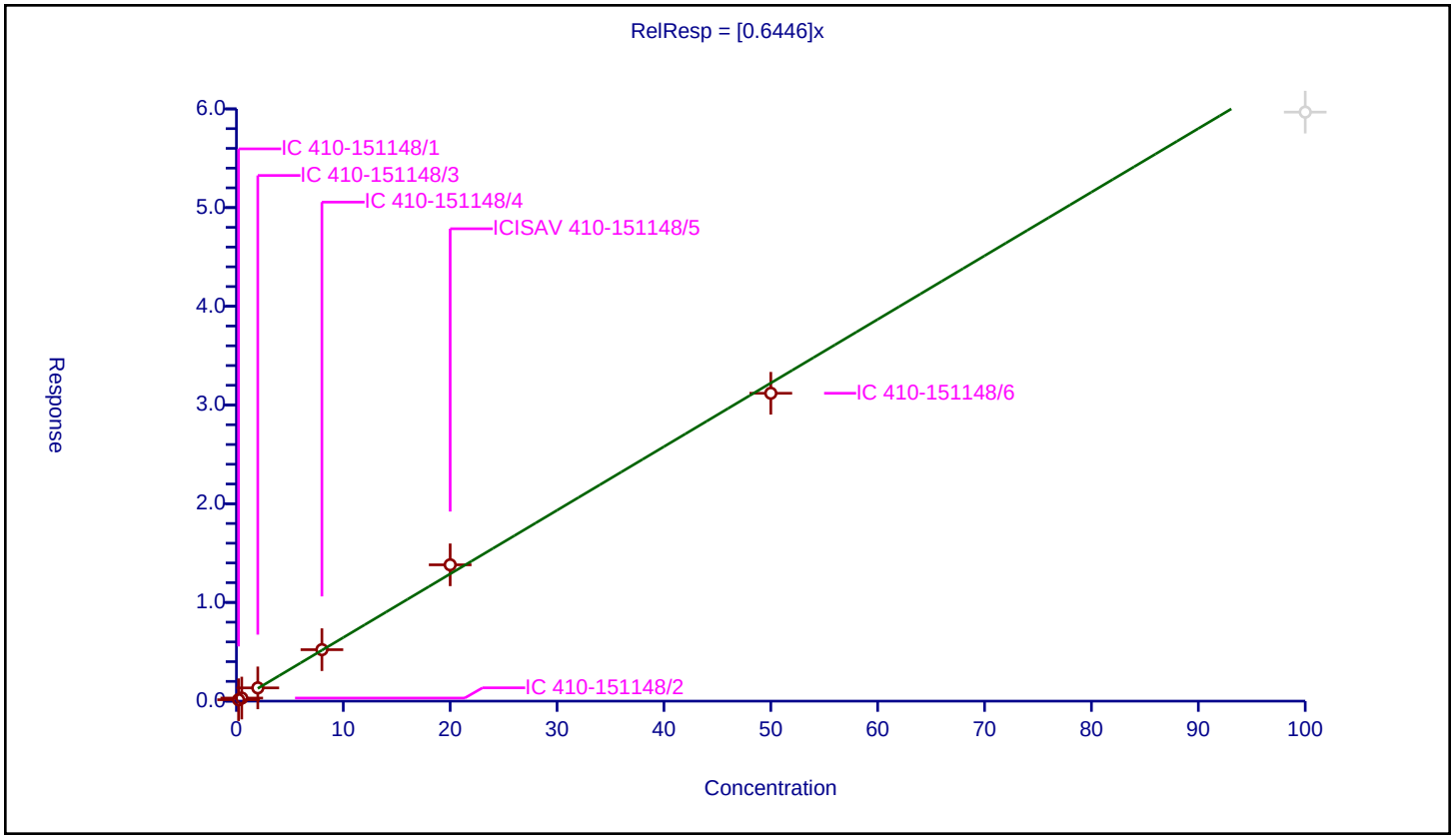
Curve Coefficients

Intercept:	0
Slope:	0.6446

Error Coefficients

Standard Error:	11000000
Relative Standard Error:	6.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-151148/1	0.2	0.144188	10.0	7925924.0	0.720938	Y
2	IC 410-151148/2	0.5	0.310774	10.0	8556900.0	0.621548	Y
3	IC 410-151148/3	2.0	1.343277	10.0	8462248.0	0.671638	Y
4	IC 410-151148/4	8.0	5.215223	10.0	7917094.0	0.651903	Y
5	ICISAV 410-151148/5	20.0	13.811373	10.0	7565757.0	0.690569	Y
6	IC 410-151148/6	50.0	31.191319	10.0	7021269.0	0.623826	Y
7	IC 410-151148/7	100.0	59.674388	10.0	6813887.0	0.596744	N



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: ICV 410-151148/9 Calibration Date: 07/22/2021 00:16

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL21MCAL-25.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid	LID1F		0.8581		1.99	2.00	-0.5	30.0
Perfluoropentanoic acid	LID1F		0.9779		2.07	2.00	3.5	30.0
Perfluorobutanesulfonic acid	LID1F		0.9479		1.63	1.77	-7.9	30.0
4:2 Fluorotelomer sulfonic acid	LID1F		3.264		1.82	1.87	-2.7	30.0
Perfluorohexanoic acid	LID1F		0.7591		2.01	2.00	0.6	30.0
Perfluoropentanesulfonic acid	LID1F		0.9617		1.89	1.88	0.7	30.0
HFPODA	LID1F		2.745		1.76	2.00	-12.2	30.0
Perfluoroheptanoic acid	LID1F		0.9786		1.98	2.00	-0.8	30.0
Perfluorohexanesulfonic acid	LID1F		0.9323		1.73	1.82	-4.9	30.0
DONA	LID1F		1.207		1.71	1.89	-9.6	30.0
6:2 Fluorotelomer sulfonic acid	LID1F		4.487		1.81	1.90	-4.7	30.0
Perfluoroheptanesulfonic acid	LID1F		0.8480		1.81	1.90	-4.9	30.0
Perfluorooctanoic acid	LID1F		0.7107		1.90	2.00	-4.9	30.0
Perfluorooctanesulfonic acid	LID1F		0.997		1.69	1.85	-8.8	30.0
Perfluorononanoic acid	LID1F		0.8468		2.08	2.00	3.8	30.0
9Cl-PF3ONS	LID1F		1.928		1.98	1.86	6.6	30.0
Perfluorononanesulfonic acid	LID1F		1.022		1.96	1.92	1.8	30.0
8:2 Fluorotelomer sulfonic acid	LID1F		8.291		2.26	1.92	18.0	30.0
Perfluorodecanoic acid	LID1F		0.8593		2.08	2.00	4.1	30.0
Perfluorooctanesulfonamide	LID1F		1.012		2.05	2.00	2.2	30.0
NMeFOSAA	LID1F		0.8545		1.91	2.00	-4.3	30.0
Perfluorodecanesulfonic acid	LID1F		0.9401		1.61	1.93	-16.6	30.0
Perfluoroundecanoic acid	LID1F		0.7683		1.95	2.00	-2.7	30.0
NEtFOSAA	LID1F		0.9802		2.11	2.00	5.6	30.0
11Cl-PF3OUdS	LID1F		1.484		1.86	1.86	-0.3	30.0
Perfluorododecanoic acid	LID1F		0.9817		2.05	2.00	2.7	30.0
10:2 FTS	LID1F		4.911		1.88	1.93	-2.5	30.0
NMeFOSE	LID1F		0.9259		1.76	2.00	-11.9	30.0
NMeFOSA	LID1F		1.002		2.01	2.00	0.2	30.0
Perfluorododecanesulfonic acid	LID1F		1.066		1.93	1.94	-0.2	30.0
NEtFOSE	LID1F		1.052		1.93	2.00	-3.5	30.0
NEtFOSA	LID1F		1.032		1.93	2.00	-3.5	30.0
Perfluorotridecanoic acid	LID1F		0.7881		2.11	2.00	5.6	30.0
Perfluorotetradecanoic acid	LID1F		0.8387		2.12	2.00	6.1	30.0
Perfluorohexadecanoic acid	LID1F		1.114		2.19	2.00	9.5	30.0
Perfluorooctadecanoic acid	LID1F		0.6437		2.08	2.00	4.1	30.0
13C4 PFBA	Ave	1.124	1.248		11.1	10.0	11.0	30.0
13C5 PFPeA	Ave	1.039	1.142		11.0	10.0	9.8	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: ICV 410-151148/9 Calibration Date: 07/22/2021 00:16

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL21MCAL-25.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
13C3 PFBS	Ave	0.8735	0.996		10.6	9.30	14.0	30.0
M2-4:2 FTS	Ave	0.0600	0.0664		10.3	9.34	10.7	30.0
13C5 PFHxA	Ave	1.228	1.424		11.6	10.0	16.0	30.0
13C3 HFPO-DA	Ave	0.1132	0.1291		11.4	10.0	14.1	30.0
13C3 PFHxS	Ave	0.8656	1.015		11.1	9.46	17.3	30.0
13C4 PFHpA	Ave	1.259	1.521		12.1	10.0	20.8	30.0
M2-6:2 FTS	Ave	0.0333	0.0417		11.9	9.50	25.4	30.0
13C8 PFOA	Ave	1.365	1.614		11.8	10.0	18.2	30.0
13C8 PFOS	Ave	1.033	1.182		10.9	9.56	14.4	30.0
13C9 PFNA	Ave	1.435	1.590		11.1	10.0	10.9	30.0
13C6 PFDA	Ave	0.9505	1.079		11.4	10.0	13.5	30.0
M2-8:2 FTS	Ave	0.0162	0.0179		10.5	9.58	9.9	30.0
13C8 FOSA	Ave	0.9399	1.083		11.5	10.0	15.3	30.0
d3-NMeFOSAA	Ave	0.1726	0.1932		11.2	10.0	11.9	30.0
13C7 PFUnA	Ave	0.9053	1.050		11.6	10.0	16.0	30.0
d5-NEtFOSAA	Ave	0.1331	0.1429		10.7	10.0	7.4	30.0
13C2-PFDoDA	Ave	0.6941	0.7899		11.4	10.0	13.8	30.0
d7-N-MeFOSE-M	Ave	0.1826	0.2029		11.1	10.0	11.1	30.0
d3-NMePFOSA	Ave	0.1168	0.1281		11.0	10.0	9.6	30.0
d9-N-EtFOSE-M	Ave	0.1986	0.2139		10.8	10.0	7.7	30.0
d5-NEtPFOSA	Ave	0.1120	0.1252		11.2	10.0	11.7	30.0
13C2 PFTeDA	Ave	0.7341	0.7700		10.5	10.0	4.9	30.0
13C2 PFHxA	Lin1F		1.110		11.6	10.0	16.2	30.0
13C4 PFOA	Lin1F		1.383		11.0	10.0	9.6	30.0
13C2 PFUnA	Lin1F		1.338		11.5	10.0	15.3	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-25.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Jul-2021 00:16:22 ALS Bottle#: 20009 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: Plate: 1 Rack: 1 410-0034894-009
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist:

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 09:21:23 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1616

First Level Reviewer: kruelleh Date: 22-Jul-2021 06:54:22
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.924	3.924	0.0	1.000	7935543	11.1		111	235019	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.924	3.924	0.0	1.000	1361957	1.99			5700	
* 4 13C3-PFBA										
216.00 > 172.00	3.924	3.924	0.0		3180442	5.00			25048	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.461	4.452	0.009	1.000	1420357	2.07			1707	
D 8 13C5 PFPeA										
268.00 > 223.00	4.461	4.461	0.001	1.137	7262052	11.0		110	219886	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.516	4.506	0.010	1.000	1063027	1.63	Target=3.13		1588	
299.00 > 99.00	4.516	4.506	0.010	1.000	354860		3.00(1.57-4.70)		1470	
D 11 13C3 PFBS										
302.00 > 80.00	4.516	4.515	0.001	1.151	5892604	10.6		114	278126	
15 4:2 FTS										
327.00 > 307.00	4.842	4.832	0.010	0.998	263706	1.82	Target=1.61		19812	
327.00 > 81.00	4.842	4.832	0.010	0.998	160194		1.65(0.81-2.42)		7113	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.851	4.842	0.009	0.859	403964	10.3		111	18336	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.881	4.871	0.010	0.998	1407869	2.01	Target=14.88		5238	
313.00 > 119.00	4.881	4.871	0.010	0.998	91477		15.39(7.44-22.32)		2580	
D 19 13C5 PFHxA										
318.00 > 273.00	4.890	4.881	0.009	0.866	9273501	11.6		116	205859	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.890	4.881	0.009	0.866	7228513	11.6		116	268879	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.900	4.890	0.010	1.085	1143084	1.89	Target=3.52		63818	
349.00 > 99.00	4.900	4.890	0.010	1.085	299672		3.81(1.76-5.28)		16878	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.018	5.010	0.008	0.888	840845	11.4		114	51069	
21 HFPO-DA										
329.00 > 285.00	5.018	5.010	0.008	1.000	461615	1.76			3360	
D 25 13C3 PFHxS										
402.00 > 80.00	5.274	5.274	0.0	0.934	6253630	11.1		117	221279	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.274	0.011	0.936	9902623	12.1		121	232446	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.274	5.274	0.0	0.998	1938083	1.98	Target=3.81		10582	
363.00 > 169.00	5.274	5.274	0.0	0.998	489513		3.96(1.90-5.71)		13014	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.285	5.274	0.011	1.002	1124193	1.73	Target=3.51		231436	
399.00 > 99.00	5.274	5.274	0.0	1.000	306685		3.67(1.75-5.26)		742	
27 DONA										
377.00 > 251.00	5.327	5.317	0.010	1.008	2259847	1.71			26407	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.631	5.621	0.010	0.997	258208	11.9		125	20399	
34 6:2 FTS										
427.00 > 407.00	5.631	5.621	0.010	1.000	231252	1.81	Target=1.43		18357	
427.00 > 81.00	5.631	5.621	0.010	1.000	164515		1.41(0.72-2.15)		9712	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.631	5.630	0.001	1.068	1067376	1.81	Target=3.86		42048	
449.00 > 99.00	5.631	5.630	0.001	1.068	307753		3.47(1.93-5.79)		18585	
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.640	0.009	1.000	10512256	11.8		118	245552	
$ 39 13C4 PFOA										
417.00 > 372.00	5.649	5.640	0.009	1.000	9005539	11.0		110	300589	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.640	0.009		3255795	5.00			151976	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.649	5.649	0.0	1.000	1494300	1.90	Target=2.48		30119	
413.00 > 169.00	5.649	5.649	0.0	1.000	583729		2.56(1.24-3.72)		29177	
D 41 13C8 PFOS										
507.00 > 80.00	5.972	5.963	0.009	1.000	6070817	10.9		114	74658	
* 42 13C4 PFOS										
503.00 > 80.00	5.972	5.963	0.009		2568844	4.78			105082	
43 Perfluorooctanesulfonic acid										M
499.00 > 80.00	5.972	5.963	0.009	1.000	1171805	1.69	Target=4.45		102081	M
499.00 > 99.00	5.972	5.963	0.009	1.000	286969		4.08(2.23-6.68)		606	
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.981	0.008	1.003	8542873	11.1		111	295121	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
44 Perfluorononanoic acid										
463.00 > 419.00	5.989	5.981	0.008	1.000	1446831	2.08	Target=4.75		11046	
463.00 > 169.00	5.989	5.981	0.008	1.000	321482		4.50(2.37-7.12)		19618	
51 9ClFOS										
531.00 > 351.00	6.148	6.139	0.009	1.029	2277607	1.98			82475	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.263	0.009	1.050	1245887	1.96	Target=4.19		51452	
549.00 > 99.00	6.272	6.263	0.009	1.050	297791		4.18(2.09-6.28)		14667	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.298	6.280	0.018	1.000	1743488	2.08	Target=9.99		14962	
513.00 > 169.00	6.289	6.280	0.009	0.999	177332		9.83(5.00-14.99)		8590	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.289	0.009	1.000	10144749	11.4		114	483930	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.298	6.289	0.009	1.000	160819	10.5		110	12450	
56 8:2 FTS										
527.00 > 507.00	6.298	6.289	0.009	1.000	266683	2.26	Target=1.44		12715	
527.00 > 81.00	6.298	6.289	0.009	1.000	176771		1.51(0.72-2.16)		8407	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.289	0.009		4701021	5.00			160561	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.375	0.022	1.016	10185126	11.5		115	144340	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.386	6.375	0.011	0.998	2061688	2.04			40219	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.439	6.429	0.011	1.022	1816153	11.2		112	77676	
60 NMeFOSAA										
570.00 > 419.00	6.450	6.439	0.011	1.002	310373	1.91	Target=1.62		143137	
570.00 > 483.00	6.450	6.439	0.011	1.002	185775		1.67(0.81-2.44)		330	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.533	6.521	0.012	1.094	1151009	1.61	Target=4.24		47064	
599.00 > 99.00	6.533	6.521	0.012	1.094	267061		4.31(2.12-6.36)		10978	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.568	6.544	0.024	1.000	1517016	1.95	Target=8.63		8676	
563.00 > 169.00	6.556	6.544	0.012	0.998	182276		8.32(4.32-12.95)		9095	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.568	6.556	0.012	1.163	8712501	11.5		115	289815	
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.556	0.012	1.043	9872240	11.6		116	329030	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.579	6.567	0.012	1.045	1343812	10.7		107	20640	
67 NEtFOSAA										M
584.00 > 419.00	6.591	6.579	0.012	1.002	263433	2.11	Target=1.46		55116	M
584.00 > 526.00	6.579	6.579	0.0	1.000	168255		1.57(0.73-2.19)		31052	M
69 11ClFOS										
631.00 > 451.00	6.669	6.658	0.011	1.117	1753262	1.85			60566	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.784	0.024	1.081	7426662	11.4		114	221513	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
73 Perfluorododecanoic acid										
613.00 > 569.00	6.796	6.784	0.012	0.998	1458105	2.05	Target=5.08		19814	
613.00 > 169.00	6.796	6.784	0.012	0.998	268778		5.42(2.54-7.61)		6172	
D 76 d7-N-MeFOSE-M										M
623.00 > 59.00	6.818	6.807	0.011	1.083	1907713	11.1		111	3605	M
77 N-MeFOSE-M										
616.00 > 59.00	6.829	6.807	0.022	1.002	353272	1.76			4169	
75 10:2 FTS										
627.00 > 607.00	6.818	6.807	0.011	1.083	158944	1.88	Target=0.84		11226	
627.00 > 81.00	6.818	6.807	0.011	1.083	181995		0.87(0.42-1.26)		9513	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.839	6.828	0.011	1.086	1204216	11.0		110	32702	
78 NMeFOSA										
512.00 > 169.00	6.839	6.828	0.011	1.000	241253	2.00			13041	
80 PFDoS										
699.00 > 80.00	6.975	6.956	0.019	1.168	1311083	1.93			34186	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.984	6.965	0.019	1.109	2010769	10.8		108	12493	
82 N-EtFOSE-M										
630.00 > 59.00	6.993	6.975	0.018	1.001	423114	1.93			7959	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.003	6.984	0.019	1.112	1176711	11.2		112	33174	
84 N-EtFOSA-M										
526.00 > 169.00	7.003	6.993	0.010	1.000	242974	1.93			10974	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.003	6.993	0.010	1.029	1170598	2.11	Target=4.50		4808	
663.00 > 169.00	7.003	6.993	0.010	1.029	254639		4.60(2.25-6.75)		9655	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.191	7.172	0.019	1.142	7239445	10.5		105	287377	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.182	7.172	0.010	0.999	1214310	2.12	Target=5.18		3995	
713.00 > 169.00	7.182	7.172	0.010	0.999	230627		5.27(2.59-7.77)		9213	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.477	7.467	0.010	1.040	1613180	2.19	Target=8.58		5657	
813.00 > 169.00	7.477	7.467	0.010	1.040	187923		8.58(4.29-12.86)		8797	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.716	7.701	0.015	1.073	931958	2.08	Target=8.02		18634	
913.00 > 169.00	7.708	7.701	0.007	1.072	116106		8.03(4.01-12.02)		9158	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFC_ICV_MOD_00031 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 09:21:30 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-25.d

Injection Date: 22-Jul-2021 00:16:22 Instrument ID: 30733

Lims ID: ICV

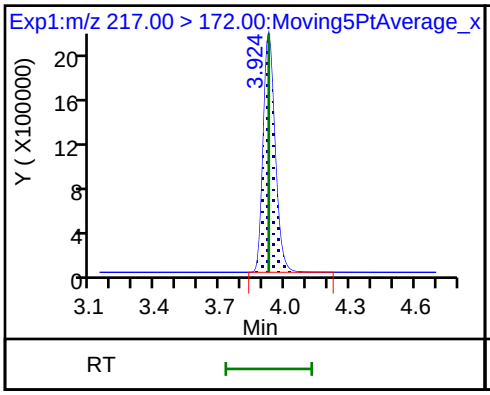
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20009 Worklist Smp#: 9

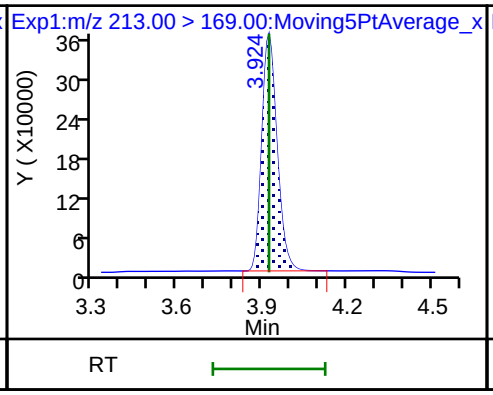
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

D 3 13C4 PFBA



2 Perfluorobutanoic acid



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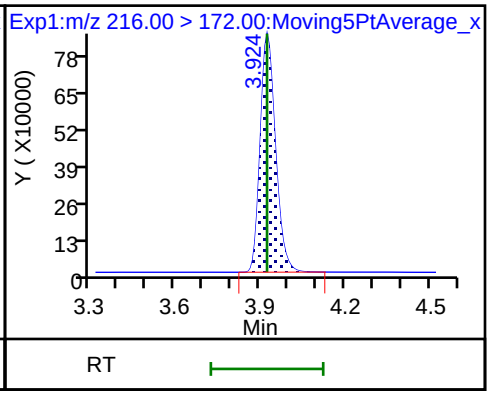
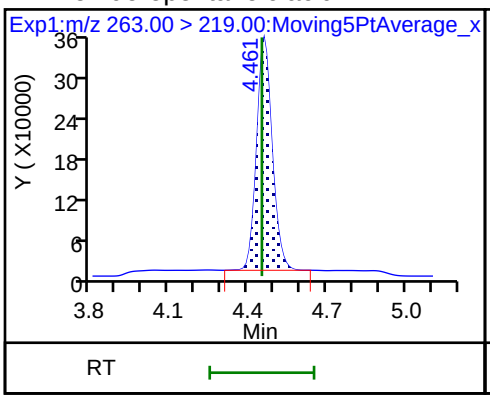


7 Perfluoropentanoic acid



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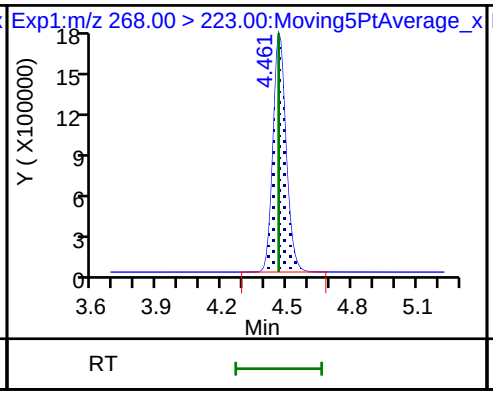
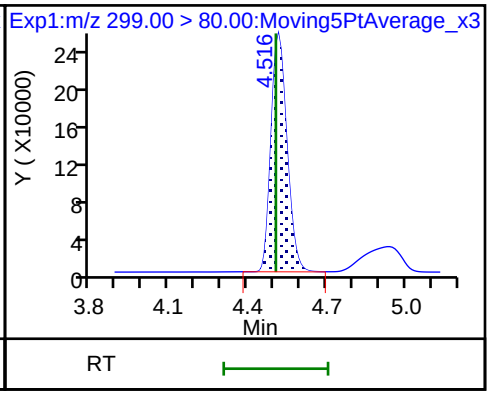
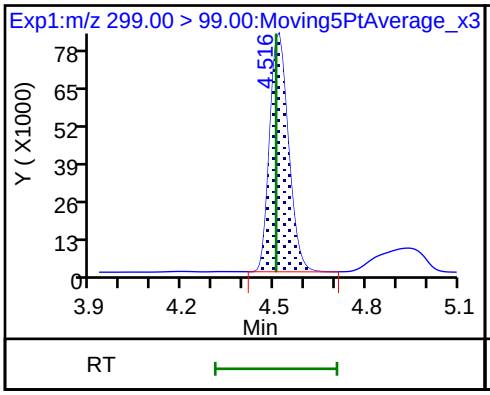


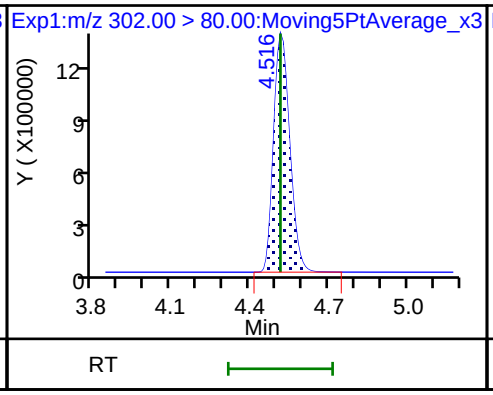
10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



D 11 13C3 PFBS



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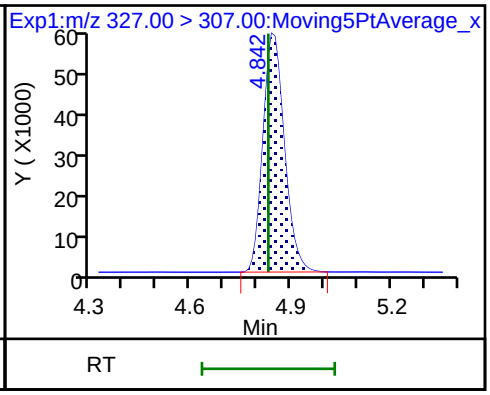

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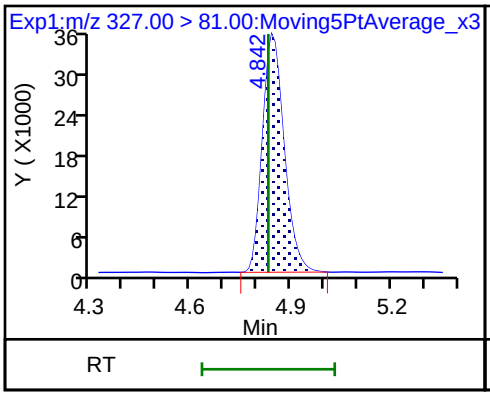
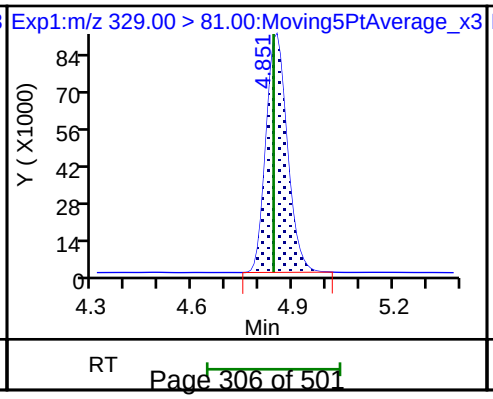
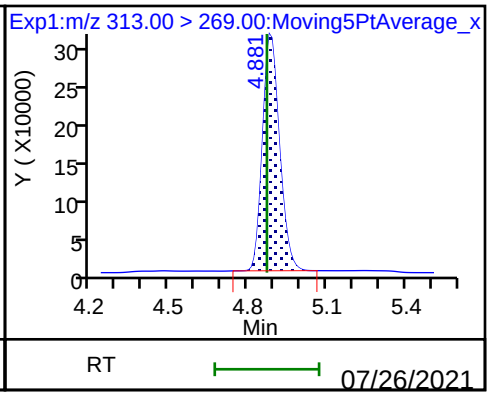


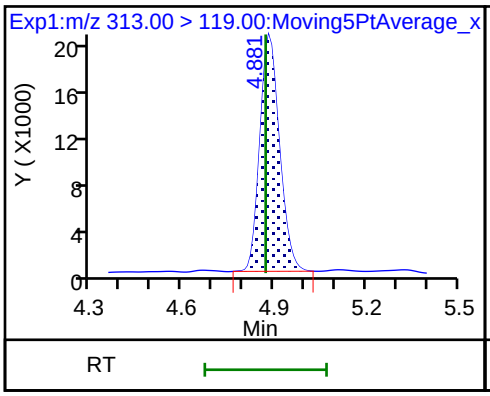
D 16 M2-4:2 FTS



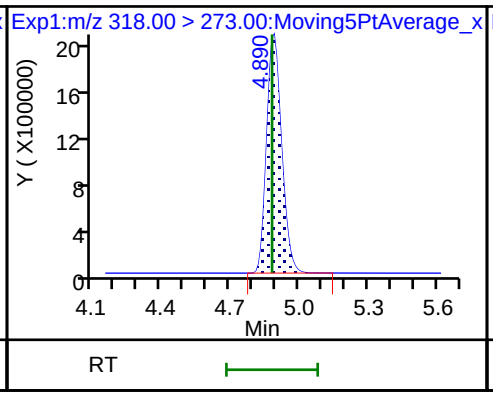
17 Perfluorohexanoic acid



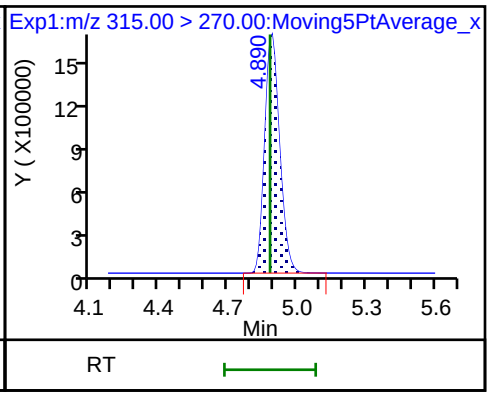
17 Perfluorohexanoic acid



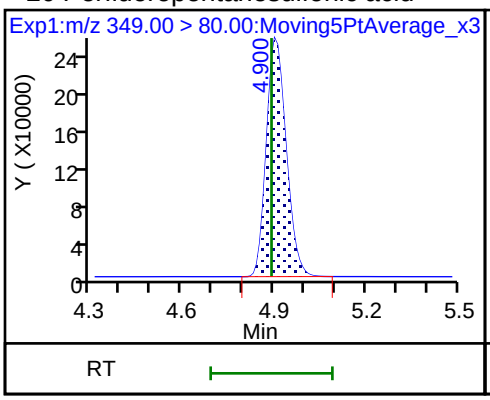
D 19 13C5 PFHxA



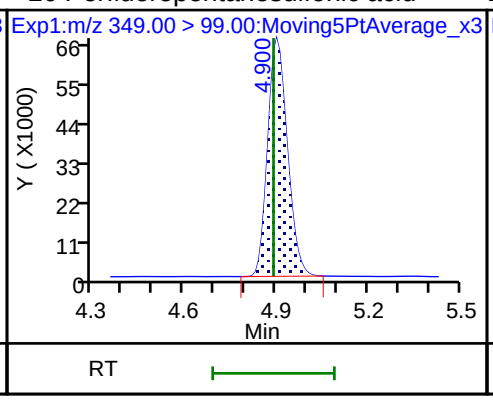
$ 18 13C2 PFHxA



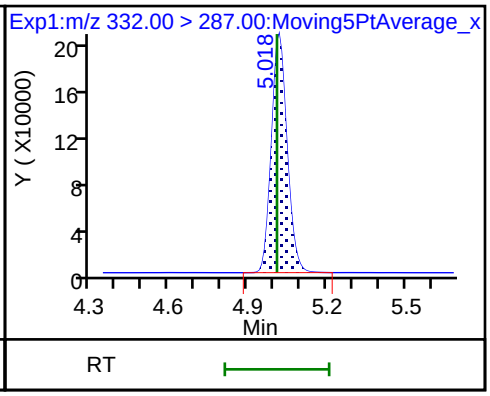
20 Perfluoropentanesulfonic acid



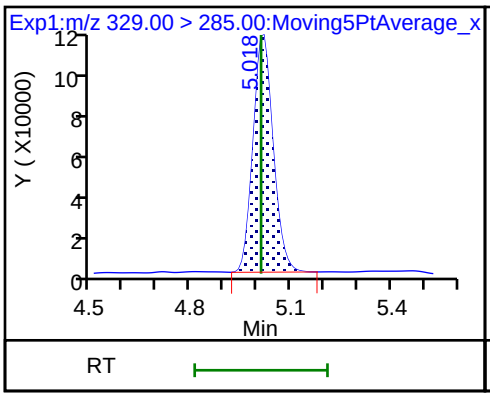
20 Perfluoropentanesulfonic acid



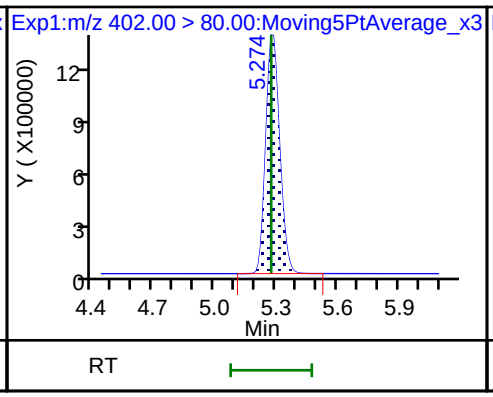
D 22 13C3 HFPO-DA



21 HFPO-DA



D 25 13C3 PFHxS



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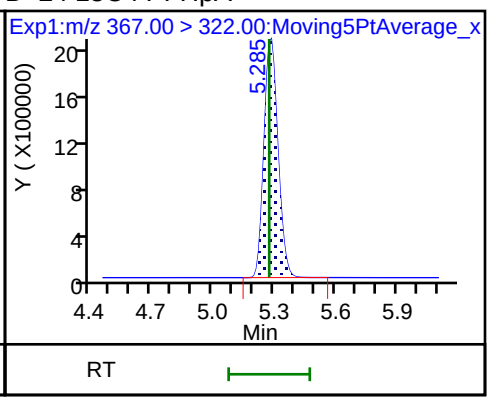
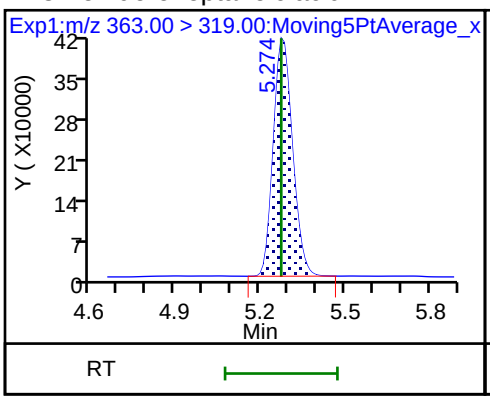
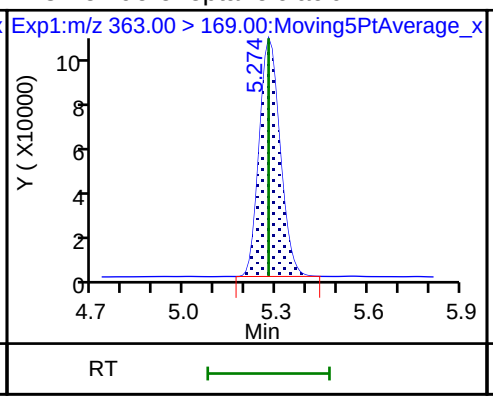


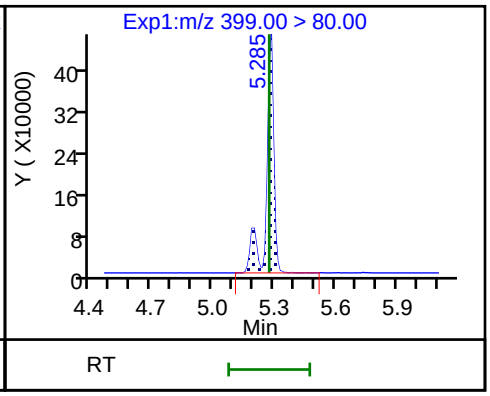
23 Perfluoroheptanoic acid



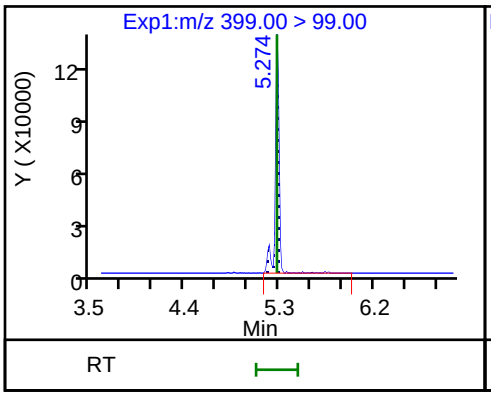
23 Perfluoroheptanoic acid



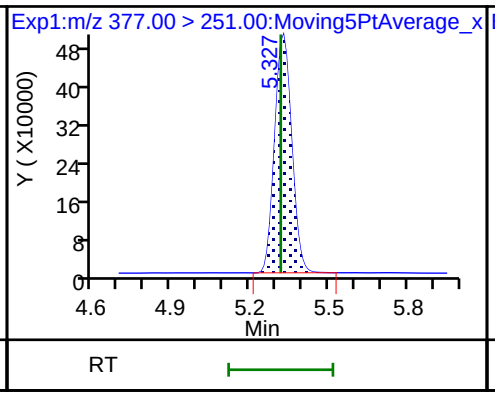
26 Perfluorohexanesulfonic acid



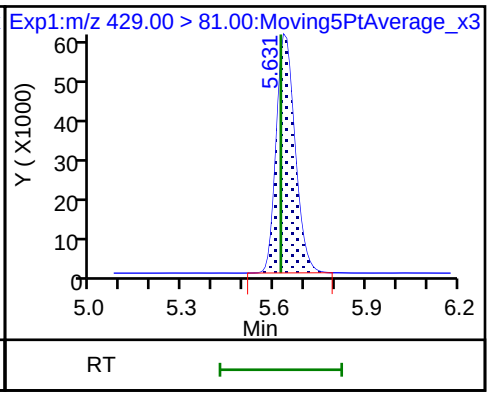
26 Perfluorohexanesulfonic acid



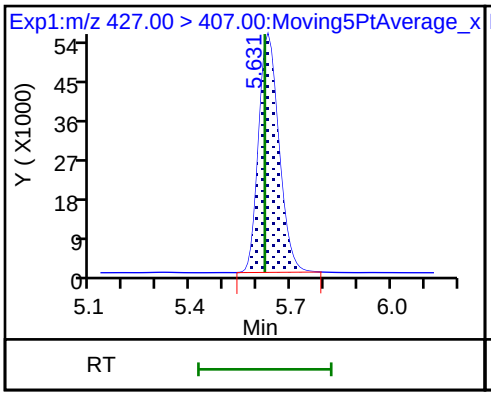
27 DONA



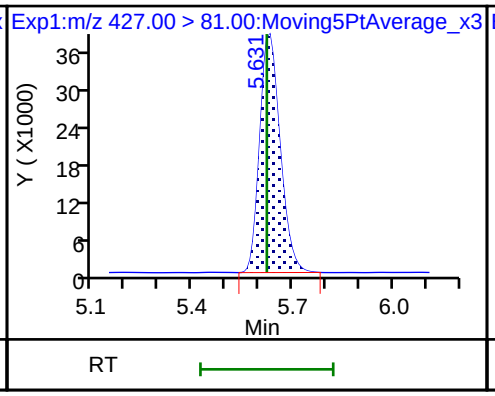
D 35 M2-6:2 FTS



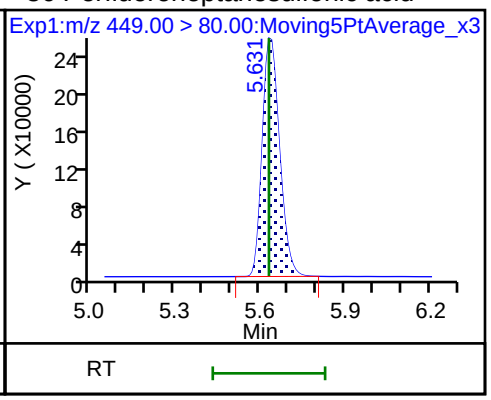
34 6:2 FTS



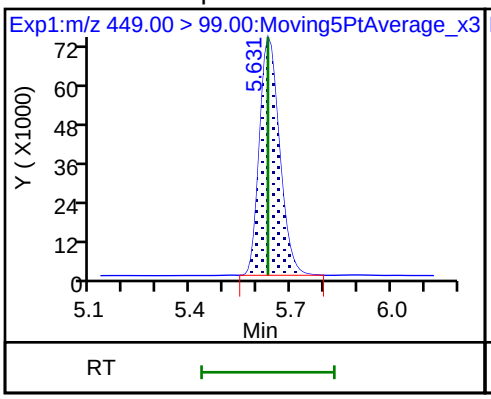
34 6:2 FTS



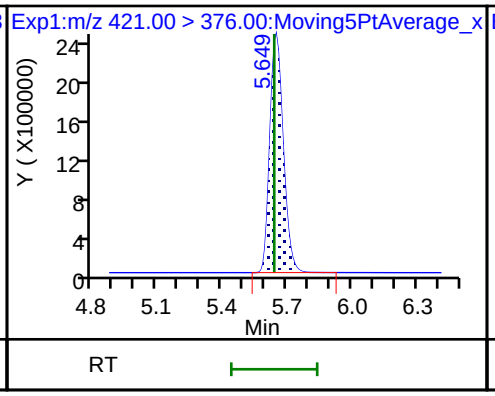
36 Perfluoroheptanesulfonic acid



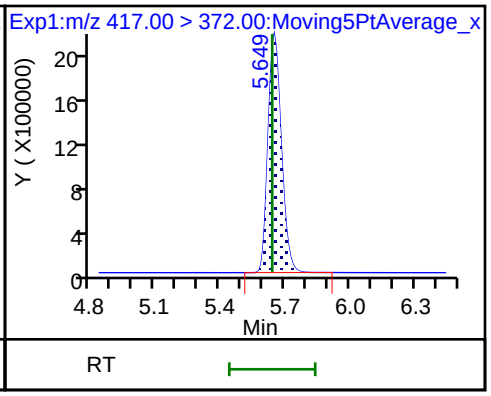
36 Perfluoroheptanesulfonic acid



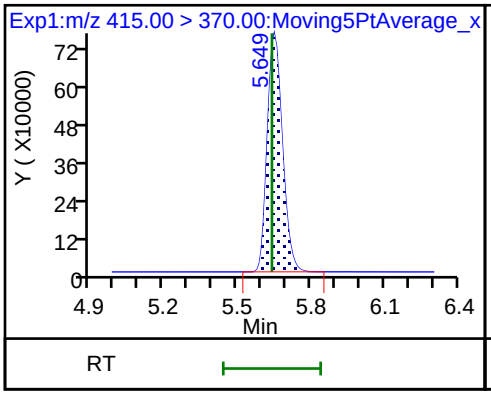
D 37 13C8 PFOA



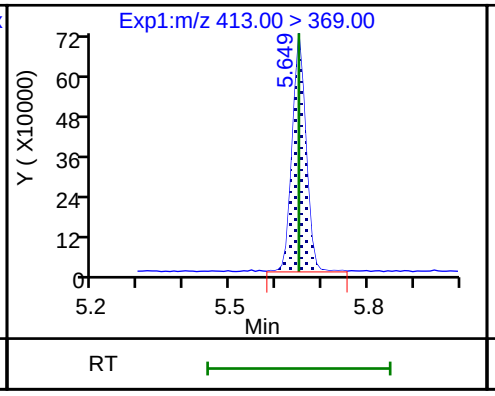
$ 39 13C4 PFOA



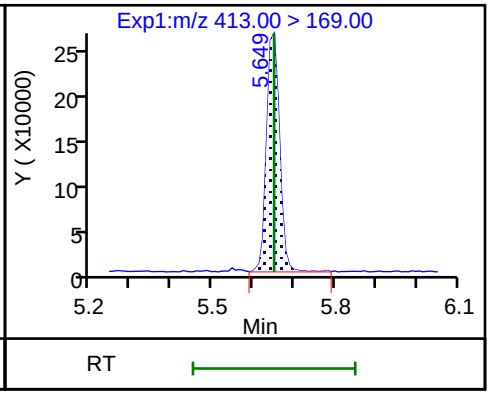
* 38 13C2 PFOA



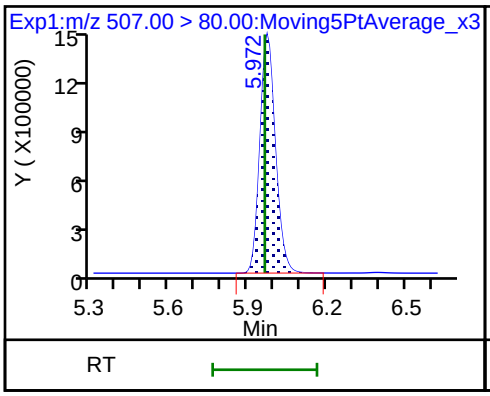
40 Perfluorooctanoic acid



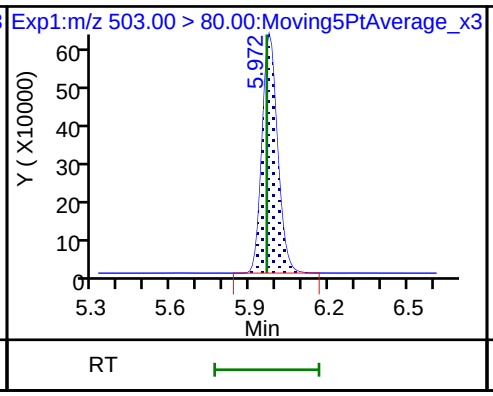
40 Perfluorooctanoic acid



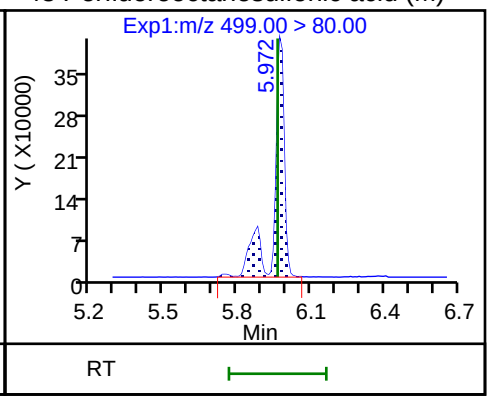
D 41 13C8 PFOS



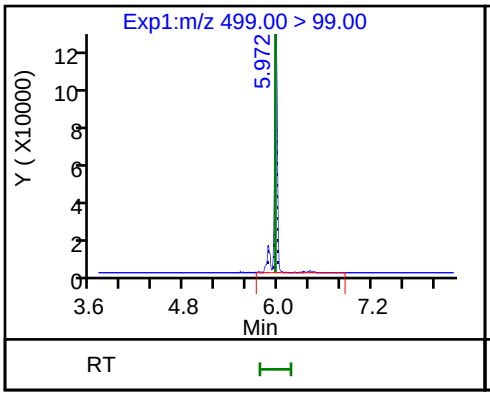
* 42 13C4 PFOS



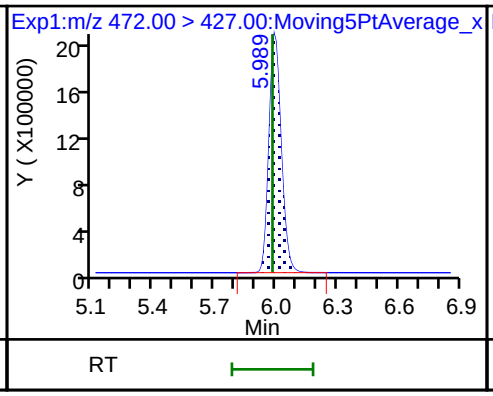
43 Perfluorooctanesulfonic acid (M)



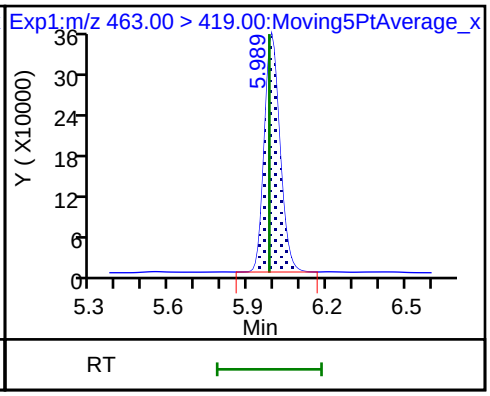
43 Perfluorooctanesulfonic acid



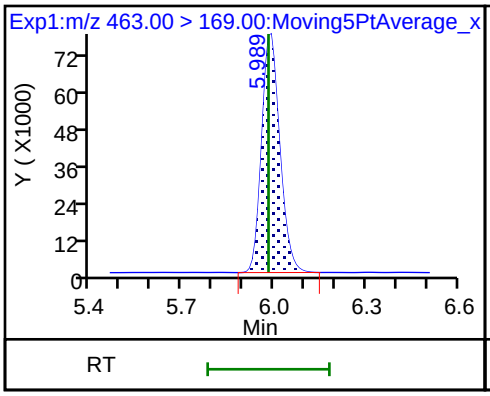
D 45 13C9 PFNA



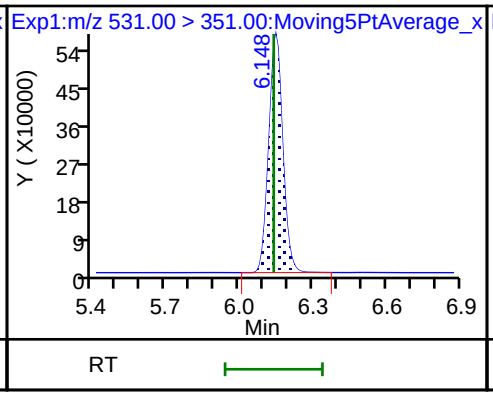
44 Perfluorononanoic acid



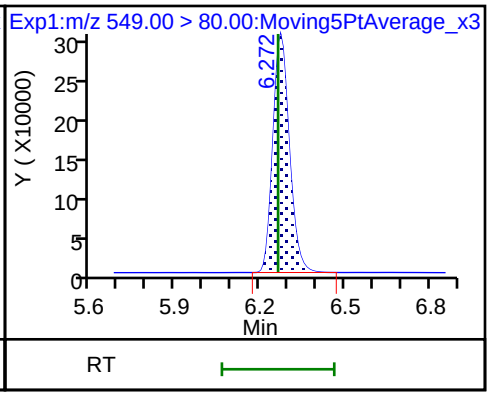
44 Perfluorononanoic acid



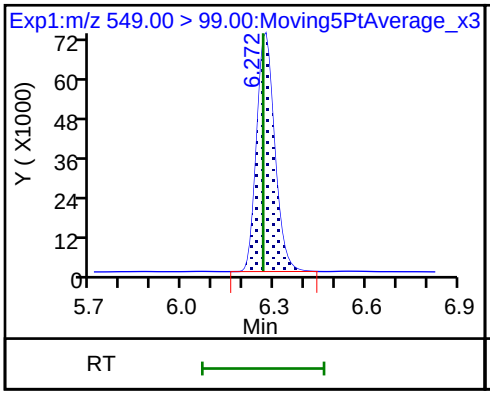
51 9ClFOS



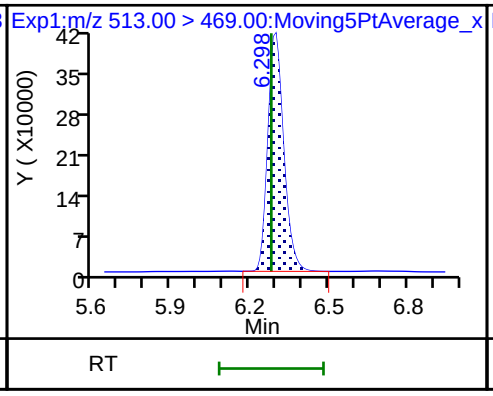
52 Perfluorononanesulfonic acid



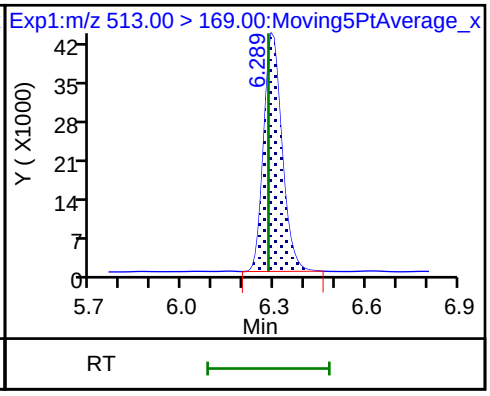
52 Perfluorononanesulfonic acid



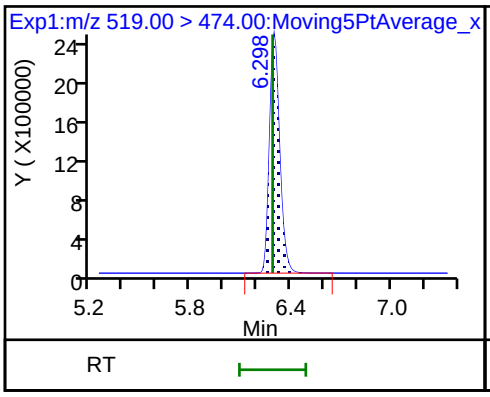
53 Perfluorodecanoic acid



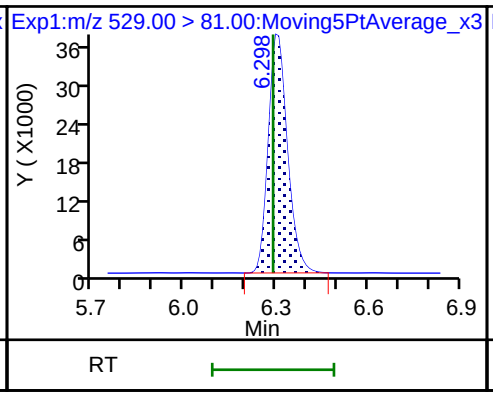
53 Perfluorodecanoic acid



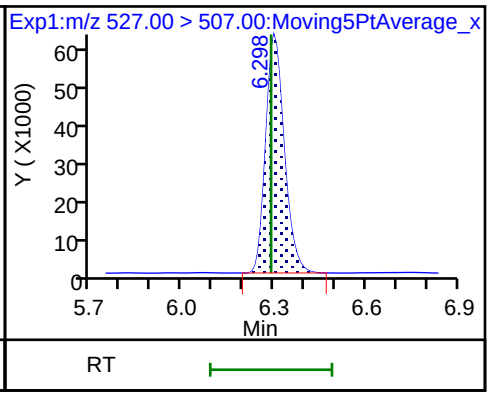
D 54 13C6 PFDA



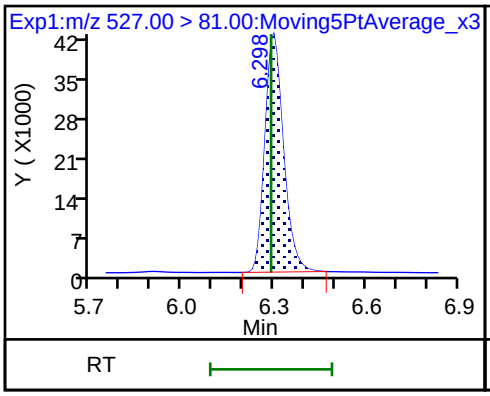
D 57 M2-8:2 FTS



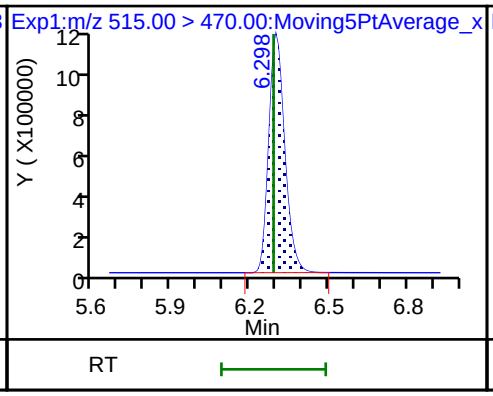
56 8:2 FTS



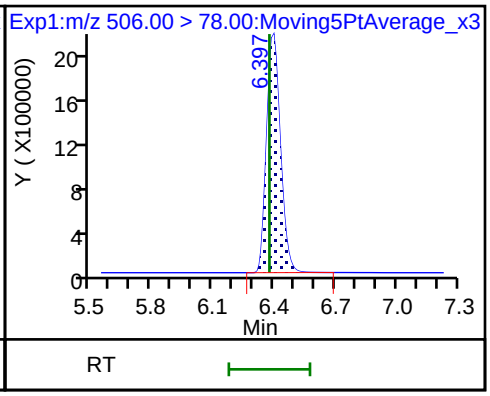
56 8:2 FTS



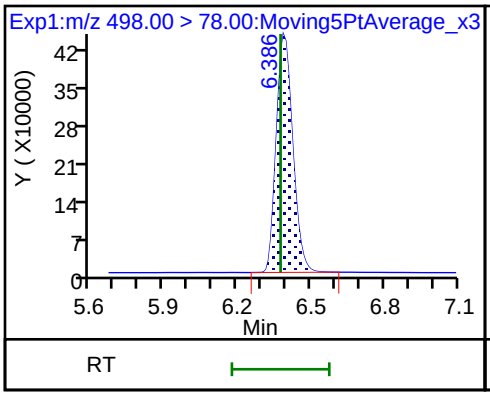
* 55 13C2 PFDA



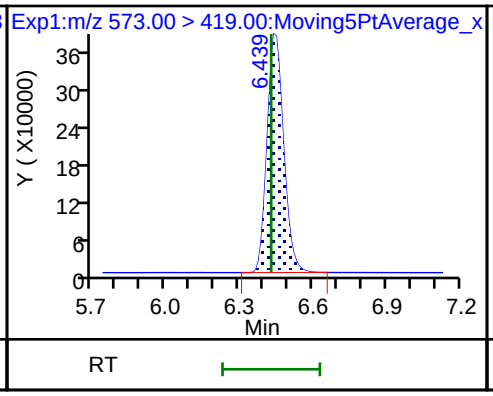
D 59 13C8 FOSA



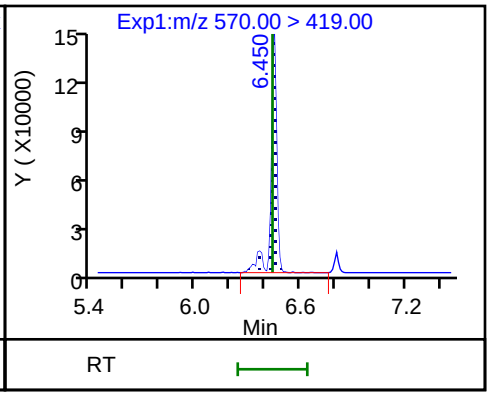
58 Perfluorooctanesulfonamide



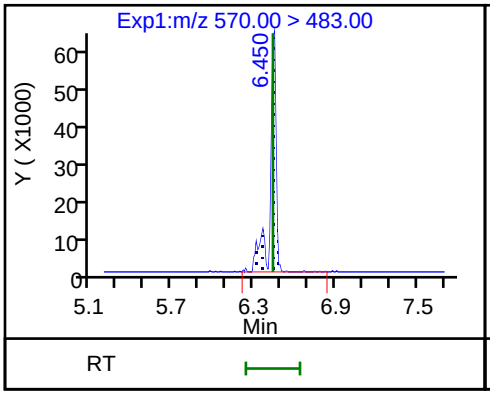
D 61 d3-NMeFOSAA



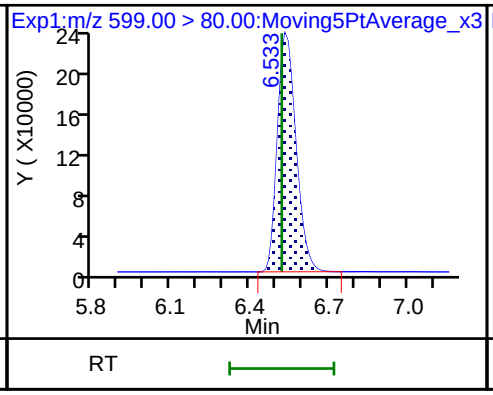
60 NMeFOSAA



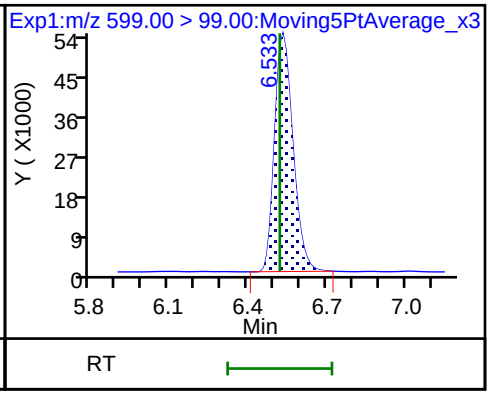
60 NMeFOSAA



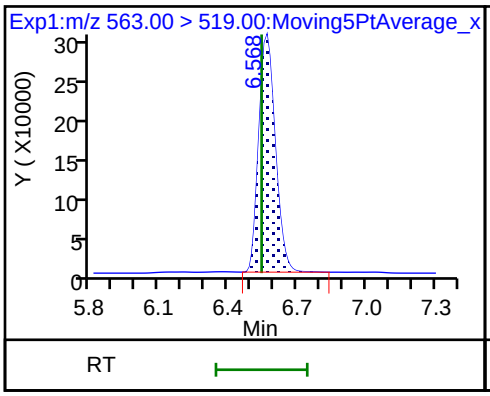
62 Perfluorodecanesulfonic acid



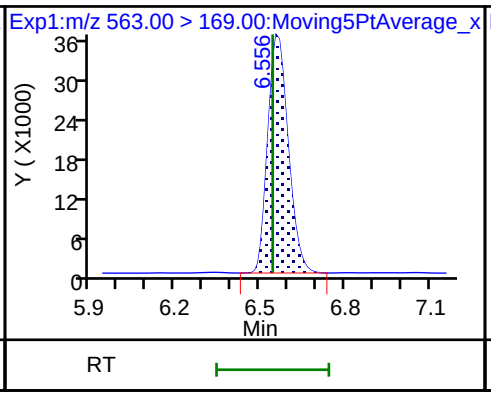
62 Perfluorodecanesulfonic acid



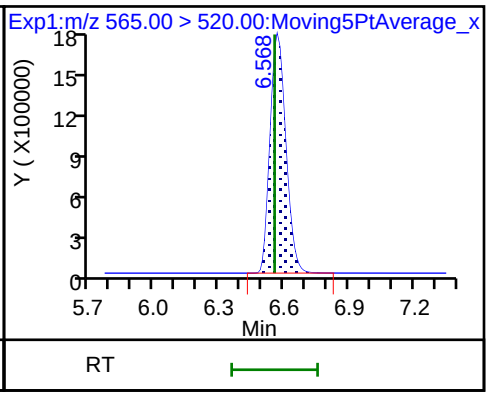
63 Perfluoroundecanoic acid



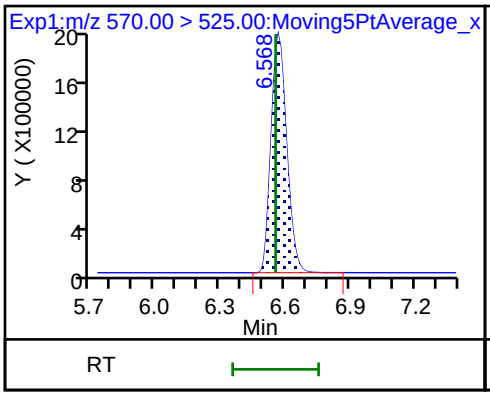
63 Perfluoroundecanoic acid



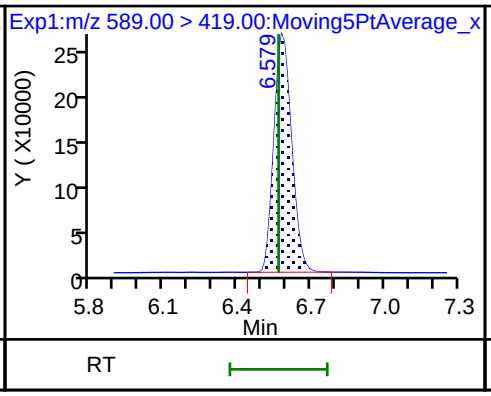
$ 64 13C2 PFUnA



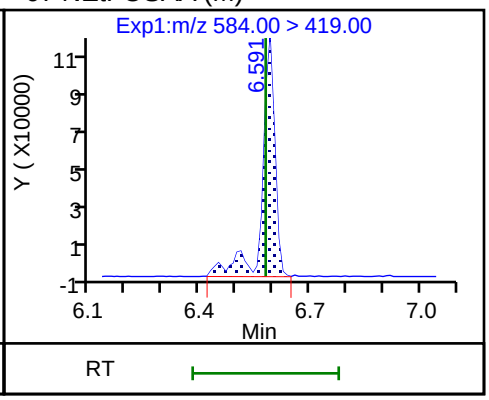
D 65 13C7 PFUnA



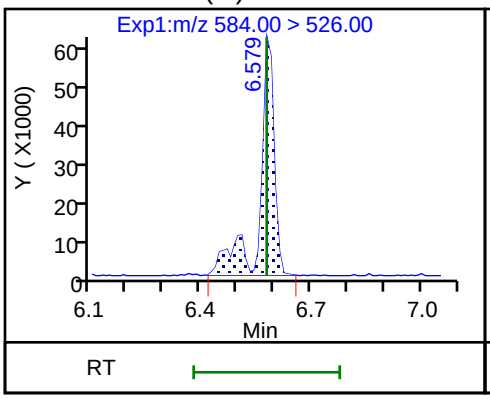
D 66 d5-NEtFOSAA



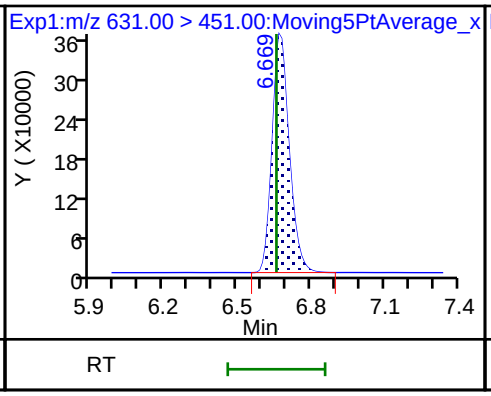
67 NEtFOSAA (M)



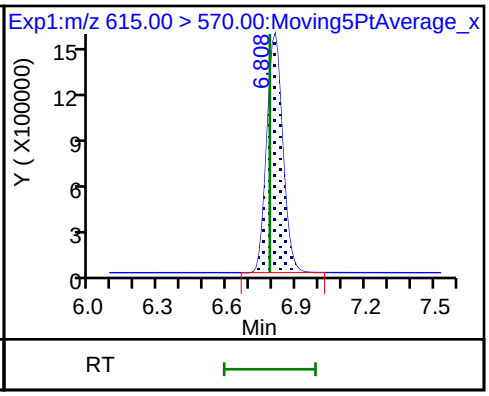
67 NEtFOSAA (M)



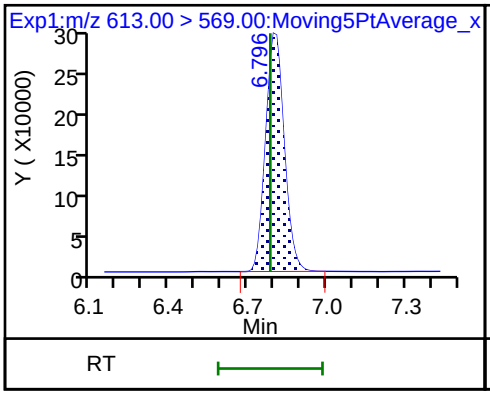
69 11ClFOS



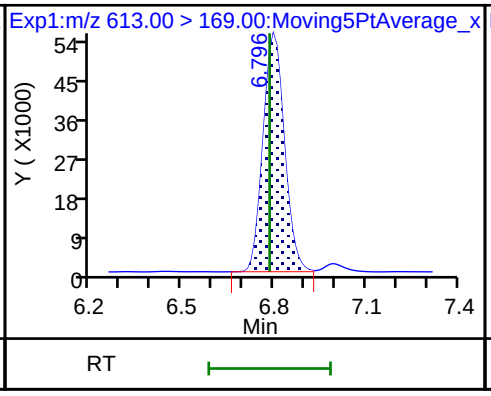
D 74 13C2-PFDoDA



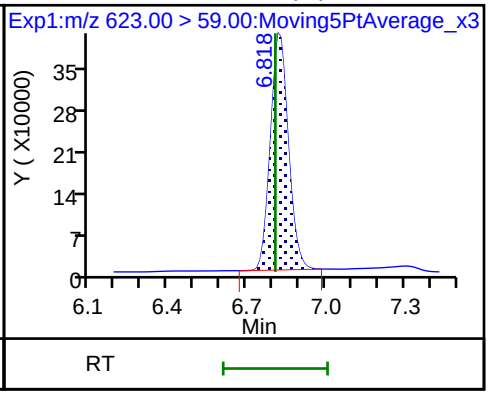
73 Perfluorododecanoic acid



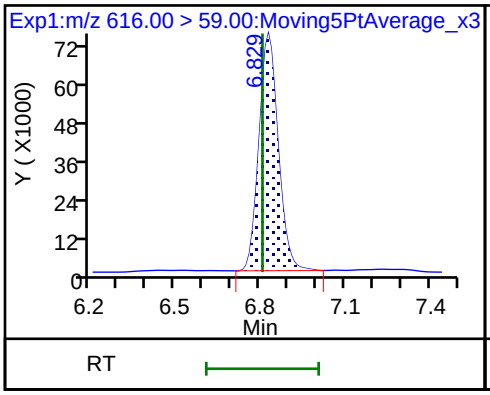
73 Perfluorododecanoic acid



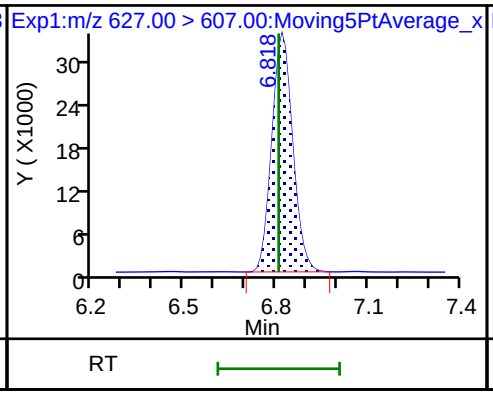
D 76 d7-N-MeFOSE-M (M)



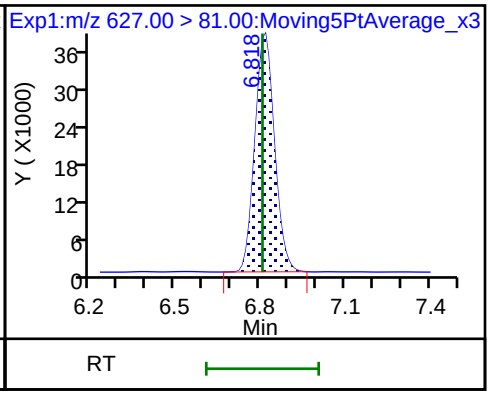
77 N-MeFOSE-M



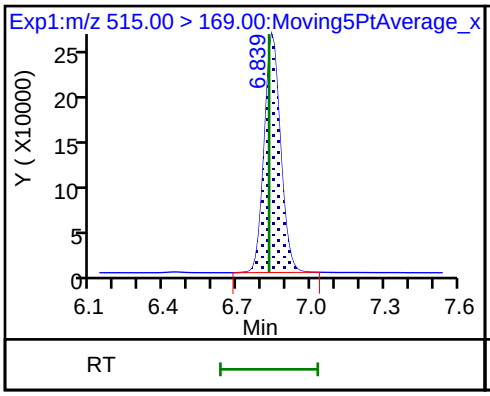
75 10:2 FTS



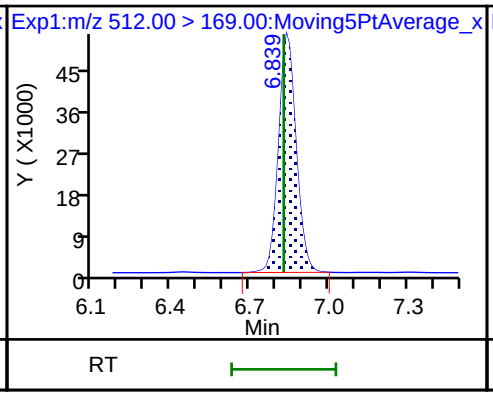
75 10:2 FTS



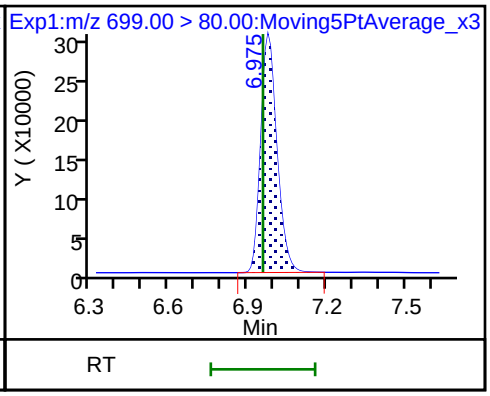
D 79 d3-NMePFOSA



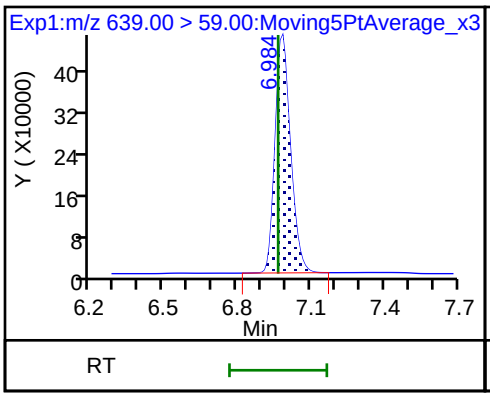
78 NMeFOSA



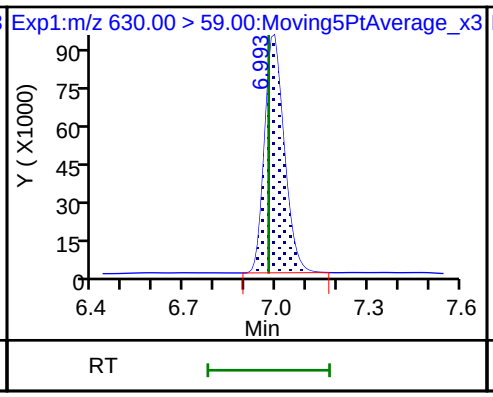
80 PFDoS



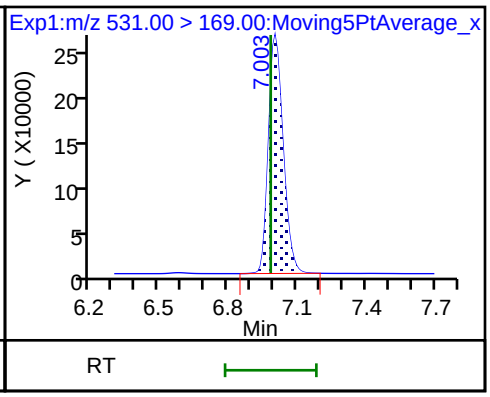
D 81 d9-N-EtFOSE-M



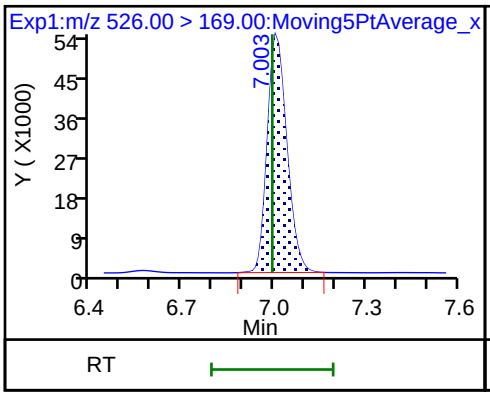
82 N-EtFOSE-M



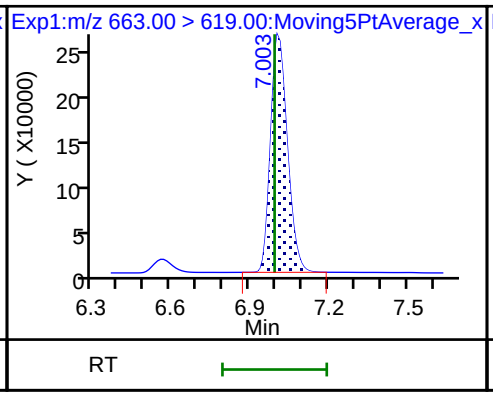
D 83 d5-NEtPFOSA



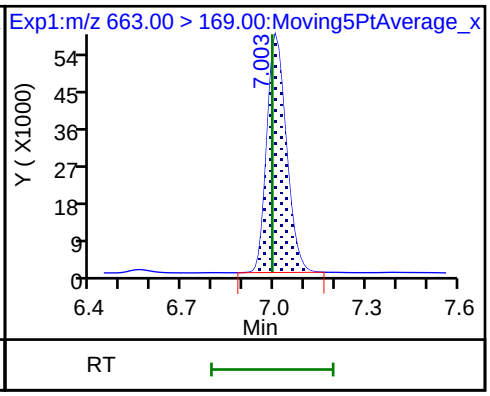
84 N-EtFOSA-M



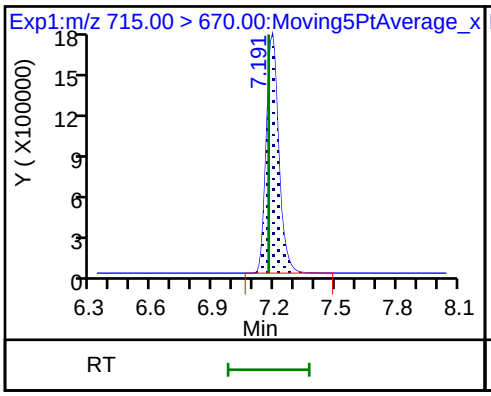
85 Perfluorotridecanoic acid



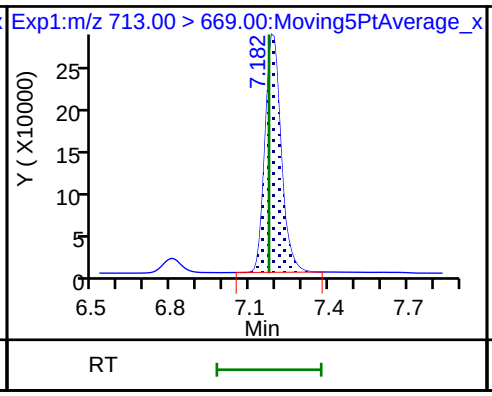
85 Perfluorotridecanoic acid



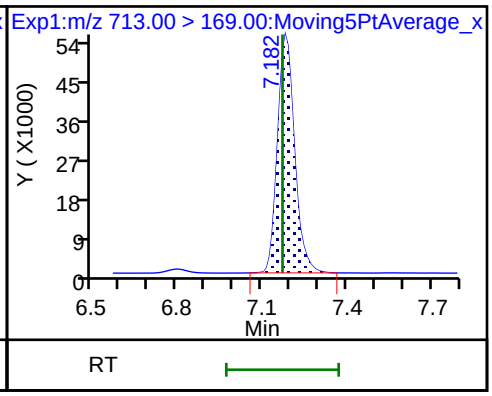
D 87 13C2 PFTeDA



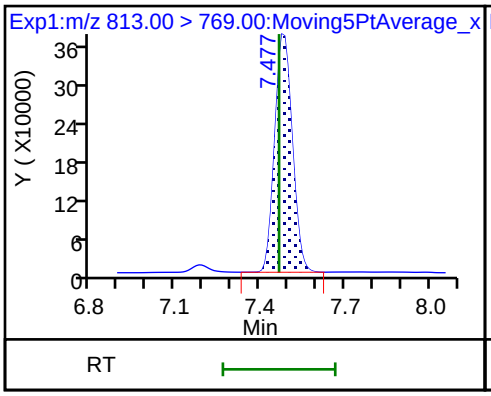
86 Perfluorotetradecanoic acid



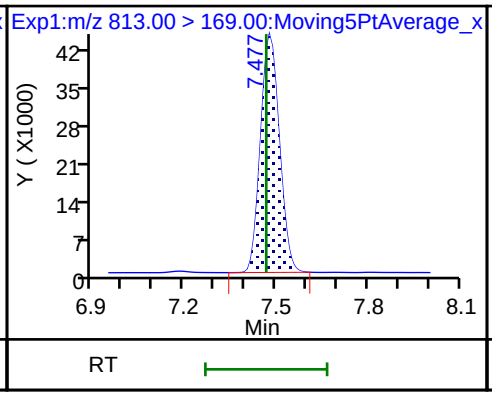
86 Perfluorotetradecanoic acid



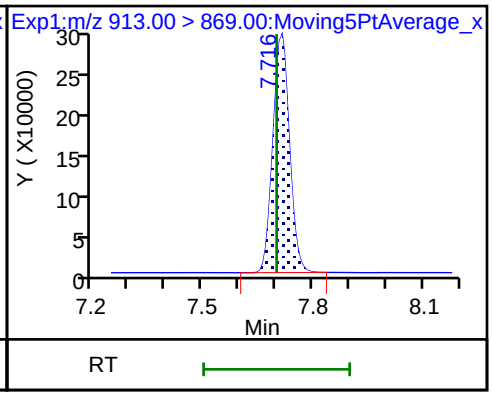
88 Perfluorohexadecanoic acid



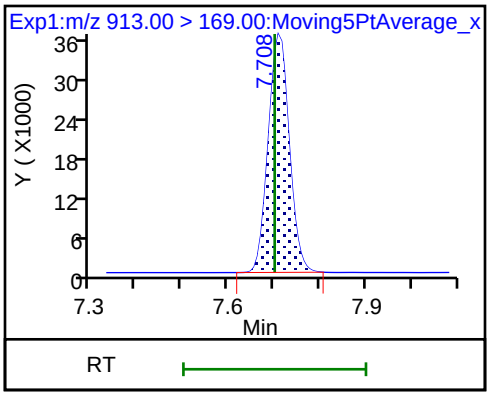
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

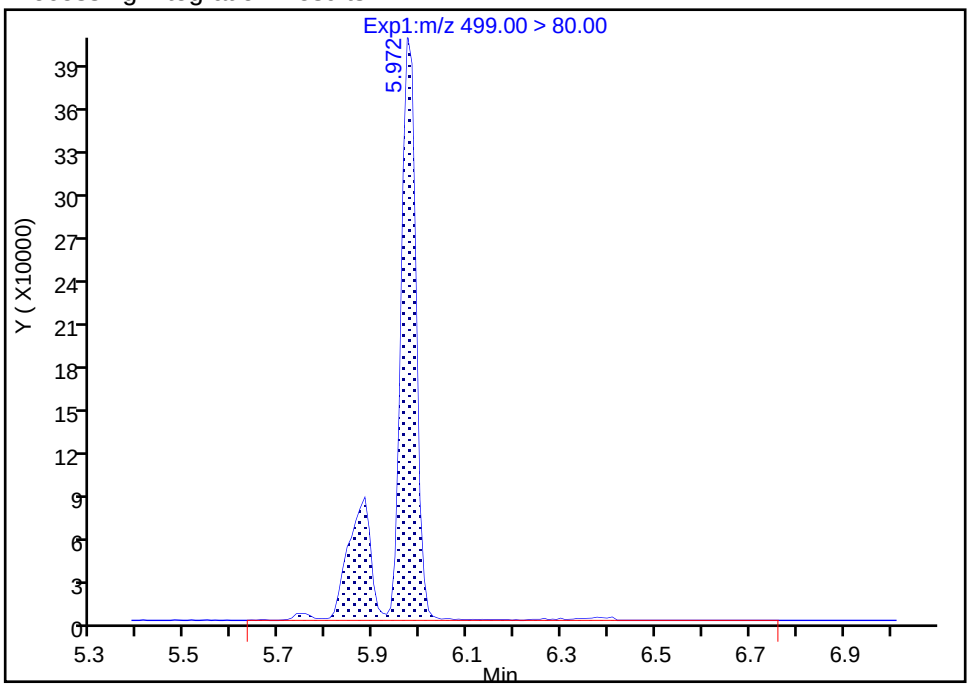
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-25.d				
Injection Date:	22-Jul-2021 00:16:22	Instrument ID:	30733		
Lims ID:	ICV				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20009	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

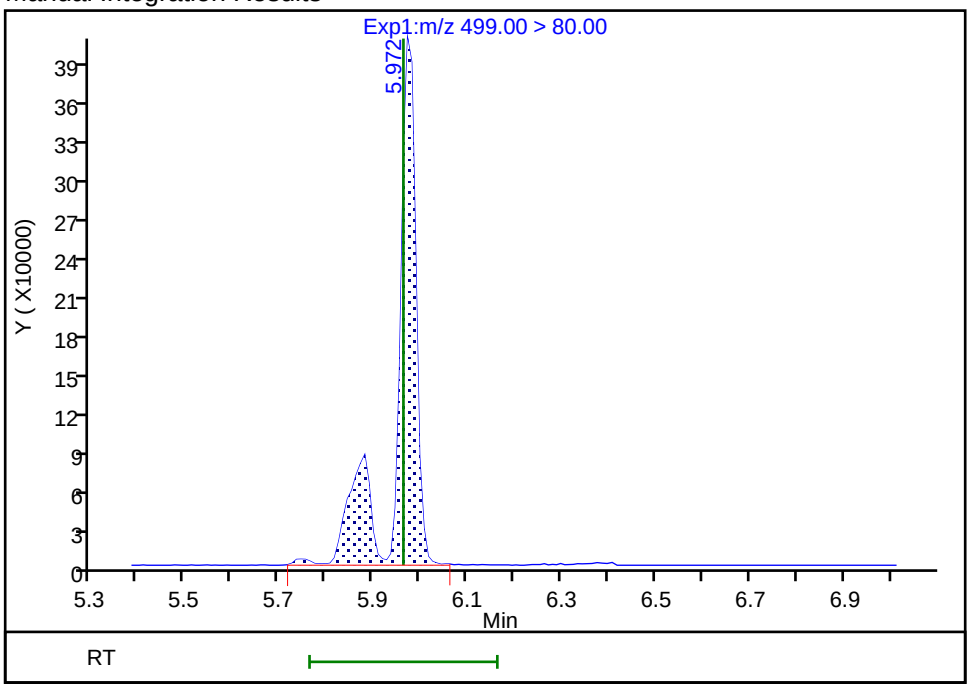
Processing Integration Results

RT: 5.97
Area: 1188096
Amount: 1.711847
Amount Units: ng/ml



Manual Integration Results

RT: 5.97
Area: 1171805
Amount: 1.688374
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:55:42

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

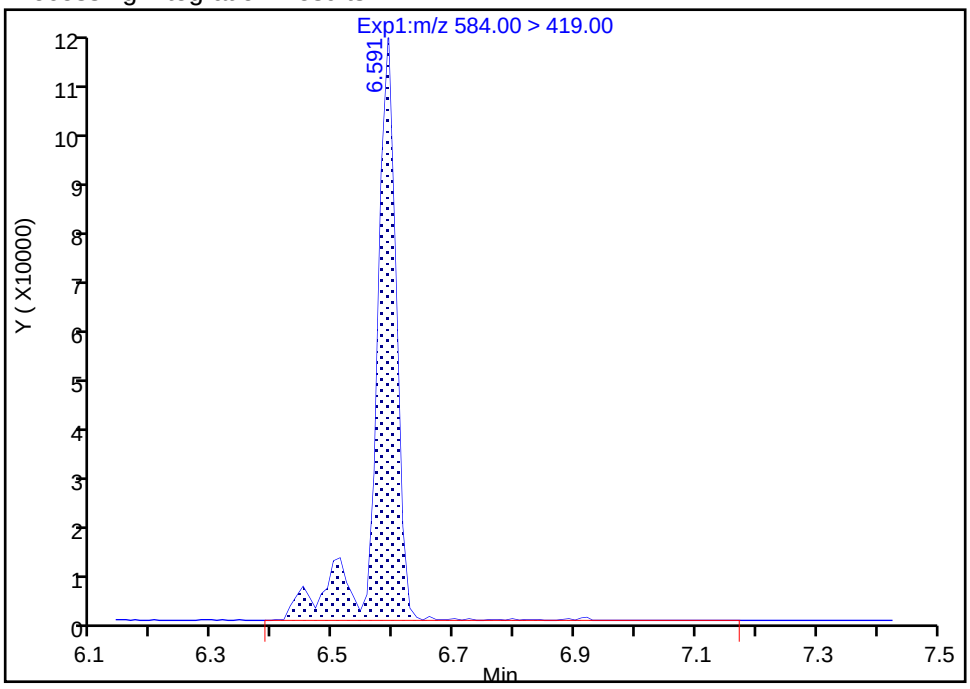
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-25.d				
Injection Date:	22-Jul-2021 00:16:22	Instrument ID:	30733		
Lims ID:	ICV				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20009	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

67 NEtFOSAA, CAS: 2991-50-6

Signal: 1

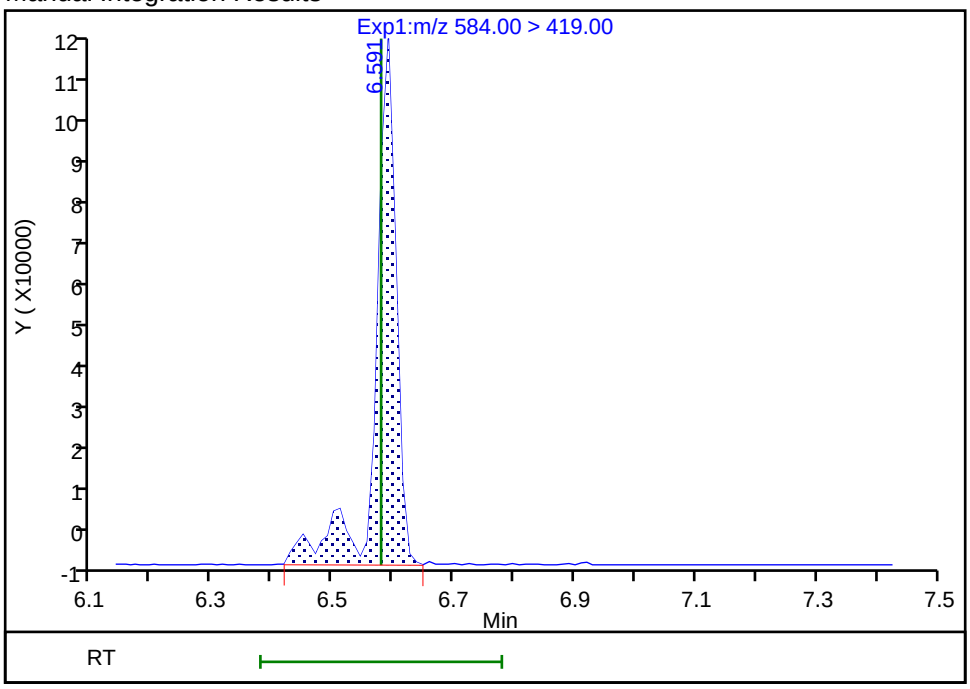
Processing Integration Results

RT: 6.59
Area: 265467
Amount: 2.128797
Amount Units: ng/ml



Manual Integration Results

RT: 6.59
Area: 263433
Amount: 2.112486
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:56:04

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

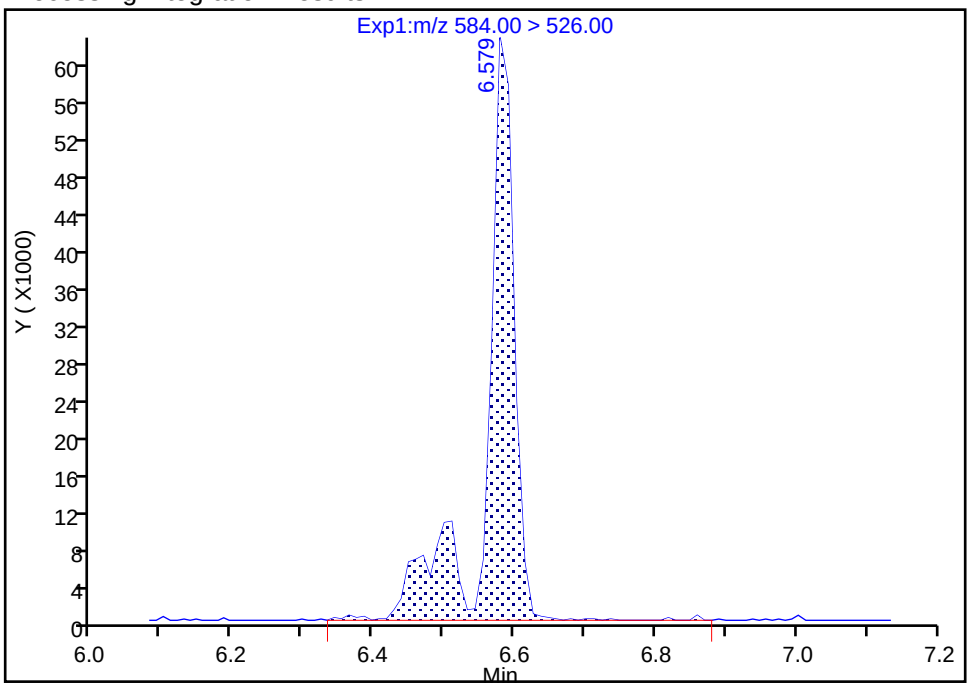
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-25.d				
Injection Date:	22-Jul-2021 00:16:22	Instrument ID:	30733		
Lims ID:	ICV				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20009	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

67 NEtFOSAA, CAS: 2991-50-6

Signal: 2

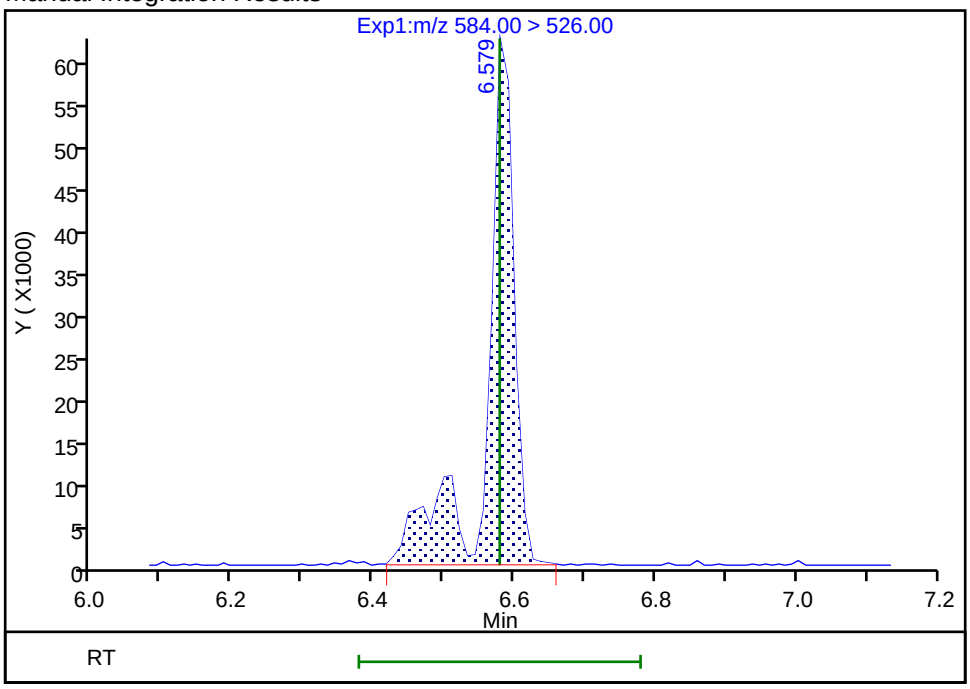
Processing Integration Results

RT: 6.58
Area: 170930
Amount: 2.128797
Amount Units: ng/ml



Manual Integration Results

RT: 6.58
Area: 168255
Amount: 2.112486
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:56:20

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

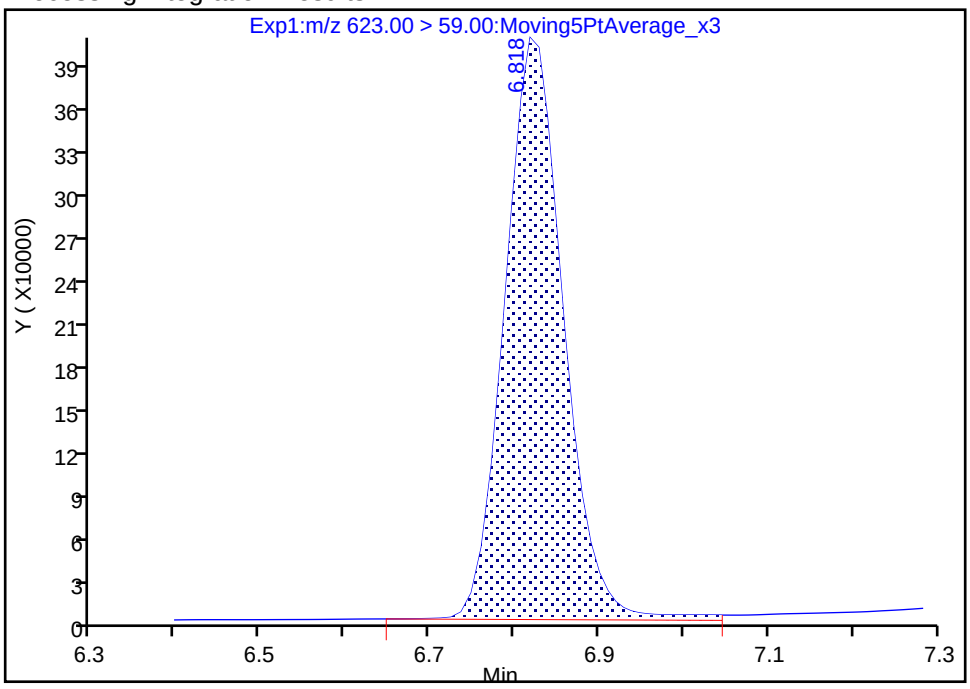
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-25.d				
Injection Date:	22-Jul-2021 00:16:22	Instrument ID:	30733		
Lims ID:	ICV				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20009	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

D 76 d7-N-MeFOSE-M, CAS: STL02277

Signal: 1

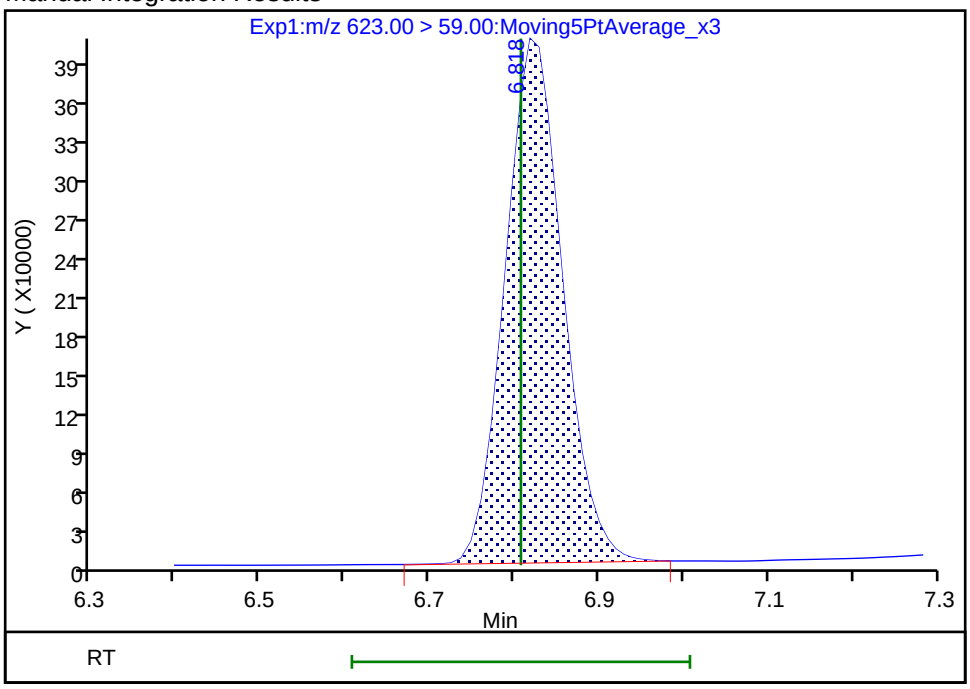
Processing Integration Results

RT: 6.82
Area: 1953414
Amount: 11.377711
Amount Units: ng/ml



Manual Integration Results

RT: 6.82
Area: 1907713
Amount: 11.111525
Amount Units: ng/ml



Reviewer: chensh, 22-Jul-2021 07:54:52

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151245/23 Calibration Date: 07/22/2021 04:42

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL21-23.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid	LID1F		0.8410		7.80	8.00	-2.5	30.0
Perfluoropentanoic acid	LID1F		0.9578		8.11	8.00	1.4	30.0
Perfluorobutanesulfonic acid	LID1F		0.998		6.87	7.08	-3.0	30.0
4:2 Fluorotelomer sulfonic acid	LID1F		3.187		7.10	7.47	-5.0	30.0
Perfluorohexanoic acid	LID1F		0.7893		8.37	8.00	4.6	30.0
Perfluoropentanesulfonic acid	LID1F		0.9308		7.31	7.50	-2.5	30.0
HFPODA	LID1F		2.982		7.63	8.00	-4.6	30.0
Perfluoroheptanoic acid	LID1F		0.9842		7.63	8.00	-4.7	30.0
Perfluorohexanesulfonic acid	LID1F		0.9147		6.80	7.30	-6.7	30.0
DONA	LID1F		1.277		7.22	7.56	-4.4	30.0
6:2 Fluorotelomer sulfonic acid	LID1F		4.720		7.60	7.58	0.2	30.0
Perfluoroheptanesulfonic acid	LID1F		0.8357		7.14	7.62	-6.3	30.0
Perfluorooctanoic acid	LID1F		0.7536		8.07	8.00	0.8	30.0
Perfluorooctanesulfonic acid	LID1F		0.999		6.77	7.40	-8.6	30.0
Perfluorononanoic acid	LID1F		0.8138		7.56	8.00	-5.5	30.0
9Cl-PF3ONS	LID1F		1.926		7.35	7.44	-1.2	30.0
Perfluorononanesulfonic acid	LID1F		0.9592		7.34	7.68	-4.4	30.0
Perfluorodecanoic acid	LID1F		0.8790		8.06	8.00	0.7	30.0
8:2 Fluorotelomer sulfonic acid	LID1F		7.588		8.28	7.66	8.0	30.0
Perfluorooctanesulfonamide	LID1F		0.9312		7.53	8.00	-5.9	30.0
NMeFOSAA	LID1F		0.8870		7.94	8.00	-0.7	30.0
Perfluorodecanesulfonic acid	LID1F		0.9842		6.74	7.71	-12.6	30.0
Perfluoroundecanoic acid	LID1F		0.8136		7.88	8.00	-1.5	30.0
NEtFOSAA	LID1F		0.8949		7.49	8.00	-6.4	30.0
11Cl-PF3OUdS	LID1F		1.472		6.99	7.44	-6.1	30.0
Perfluorododecanoic acid	LID1F		1.058		8.45	8.00	5.6	30.0
10:2 FTS	LID1F		4.550		6.96	7.71	-9.7	30.0
NMeFOSE	LID1F		0.9330		7.10	8.00	-11.2	30.0
NMeFOSA	LID1F		0.9746		7.80	8.00	-2.5	30.0
Perfluorododecanesulfonic acid	LID1F		1.070		7.76	7.74	0.2	30.0
NEtFOSE	LID1F		1.051		7.71	8.00	-3.6	30.0
NEtFOSA	LID1F		1.043		7.80	8.00	-2.5	30.0
Perfluorotridecanoic acid	LID1F		0.8097		8.19	8.00	2.4	30.0
Perfluorotetradecanoic acid	LID1F		0.8418		7.99	8.00	-0.1	30.0
Perfluorohexadecanoic acid	LID1F		1.057		7.86	8.00	-1.8	30.0
Perfluorooctadecanoic acid	LID1F		0.6349		7.88	8.00	-1.5	30.0
13C4 PFBA	Ave	1.124	1.186		10.6	10.0	5.5	30.0
13C5 PFPeA	Ave	1.039	1.082		10.4	10.0	4.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151245/23 Calibration Date: 07/22/2021 04:42

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL21-23.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
13C3 PFBS	Ave	0.8735	0.9304		9.91	9.30	6.5	30.0
M2-4:2 FTS	Ave	0.0600	0.0614		9.55	9.34	2.3	30.0
13C5 PFHxA	Ave	1.228	1.315		10.7	10.0	7.1	30.0
13C3 HFPO-DA	Ave	0.1132	0.1105		9.76	10.0	-2.4	30.0
13C3 PFHxS	Ave	0.8656	0.9430		10.3	9.46	8.9	30.0
13C4 PFHpA	Ave	1.259	1.364		10.8	10.0	8.4	30.0
M2-6:2 FTS	Ave	0.0333	0.0358		10.2	9.50	7.4	30.0
13C8 PFOA	Ave	1.365	1.404		10.3	10.0	2.8	30.0
13C8 PFOS	Ave	1.033	1.093		10.1	9.56	5.8	30.0
13C9 PFNA	Ave	1.435	1.490		10.4	10.0	3.9	30.0
13C6 PFDA	Ave	0.9505	1.000		10.5	10.0	5.2	30.0
M2-8:2 FTS	Ave	0.0162	0.0171		10.1	9.58	5.0	30.0
13C8 FOSA	Ave	0.9399	1.026		10.9	10.0	9.2	30.0
d3-NMeFOSAA	Ave	0.1726	0.1781		10.3	10.0	3.2	30.0
13C7 PFUnA	Ave	0.9053	0.9581		10.6	10.0	5.8	30.0
d5-NEtFOSAA	Ave	0.1331	0.1401		10.5	10.0	5.2	30.0
13C2-PFDoDA	Ave	0.6941	0.6982		10.1	10.0	0.6	30.0
d7-N-MeFOSE-M	Ave	0.1826	0.1963		10.8	10.0	7.5	30.0
d3-NMePFOSA	Ave	0.1168	0.1170		10.0	10.0	0.2	30.0
d9-N-EtFOSE-M	Ave	0.1986	0.2066		10.4	10.0	4.0	30.0
d5-NEtPFOSA	Ave	0.1120	0.1130		10.1	10.0	0.9	30.0
13C2 PFTeDA	Ave	0.7341	0.7431		10.1	10.0	1.2	30.0
13C2 PFHxA	Lin1F		1.053		11.0	10.0	10.2	30.0
13C4 PFOA	Lin1F		1.346		10.7	10.0	6.7	30.0
13C2 PFUnA	Lin1F		1.294		11.2	10.0	11.5	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-23.d
Lims ID: CCV 3_CAL4
Client ID:
Sample Type: CCV
Inject. Date: 22-Jul-2021 04:42:15 ALS Bottle#: 20005 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: CCV 3_CAL4
Misc. Info.: Plate: 1 Rack: 1 410-0034909-023
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 16:58:54 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: kruelleh Date: 22-Jul-2021 10:58:24
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.932	3.924	0.008	1.000	8265620	10.6		106	239964	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.924	3.924	0.0	0.998	5561289	7.80		97.5	22786	
* 4 13C3-PFBA										
216.00 > 172.00	3.932	3.924	0.008		3485230	5.00			31628	
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.469	4.452	0.017	1.000	5777314	8.11		101	6458	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.469	4.461	0.009	1.137	7539954	10.4		104	203501	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.525	4.506	0.019	1.000	4583353	6.87	Target=3.13	97.0	7177	
299.00 > 99.00	4.516	4.506	0.010	0.998	1440521		3.18(1.57-4.70)		6132	
D 11 13C3 PFBS										
302.00 > 80.00	4.525	4.515	0.010	1.151	6031552	9.91		107	237915	
15 4:2 FTS										
327.00 > 307.00	4.851	4.832	0.019	1.000	1084251	7.10	Target=1.61	95.0	61561	
327.00 > 81.00	4.851	4.832	0.019	1.000	611917		1.77(0.81-2.42)		27756	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.851	4.842	0.009	0.857	425262	9.55		102	19318	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.890	4.871	0.019	1.000	6157857	8.37	Target=14.88	105	18888	
313.00 > 119.00	4.890	4.871	0.019	1.000	397912		15.48(7.44-22.32)		9834	
D 19 13C5 PFHxA										
318.00 > 273.00	4.890	4.881	0.009	0.864	9751809	10.7		107	216649	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.890	4.881	0.009	0.864	7808057	11.0		110	248747	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.910	4.890	0.020	1.085	4529833	7.31	Target=3.52	97.5	202205	
349.00 > 99.00	4.910	4.890	0.020	1.085	1239909		3.65(1.76-5.28)		69005	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.027	5.010	0.017	0.888	819256	9.76		97.6	49519	
21 HFPO-DA										
329.00 > 285.00	5.018	5.010	0.008	0.998	1954410	7.63		95.4	15729	
D 25 13C3 PFHxS										
402.00 > 80.00	5.285	5.274	0.011	0.934	6615869	10.3		109	238099	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.274	0.011	0.934	10113206	10.8		108	240106	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.285	5.274	0.011	1.000	7962885	7.62	Target=3.85	95.3	45946	
363.00 > 169.00	5.285	5.274	0.011	1.000	2057490		3.87(1.93-5.78)		55028	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.295	5.274	0.021	1.002	4666998	6.80	Target=3.51	93.3	1812089	
399.00 > 99.00	5.285	5.274	0.011	1.000	1305003		3.58(1.75-5.26)		2634	
27 DONA										
377.00 > 251.00	5.327	5.317	0.010	1.008	9762846	7.22		95.6	93653	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.641	5.621	0.020	0.997	251909	10.2		107	19642	
34 6:2 FTS										
427.00 > 407.00	5.641	5.621	0.020	1.000	949142	7.60	Target=1.43	100	31523	
427.00 > 81.00	5.631	5.621	0.010	0.998	643498		1.47(0.72-2.15)		29928	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.641	5.630	0.011	1.067	4451298	7.14	Target=3.86	93.7	175337	
449.00 > 99.00	5.641	5.630	0.011	1.067	1249764		3.56(1.93-5.79)		74398	
D 37 13C8 PFOA										
421.00 > 376.00	5.650	5.640	0.010	0.998	10414457	10.3		103	296884	
$ 39 13C4 PFOA										
417.00 > 372.00	5.660	5.640	0.020	1.000	9985148	10.7		107	456646	
* 38 13C2 PFOA										
415.00 > 370.00	5.660	5.640	0.020		3708058	5.00			121930	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.660	5.649	0.011	1.002	6278488	8.07	Target=2.48	101	158379	
413.00 > 169.00	5.660	5.649	0.011	1.002	2559886		2.45(1.24-3.72)		133304	
D 41 13C8 PFOS										
507.00 > 80.00	5.974	5.963	0.011	1.000	6380986	10.1		106	55361	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.983	5.963	0.020	1.001	4935021	6.76	Target=4.45	91.4	9578	
499.00 > 99.00	5.974	5.963	0.011	1.000	1111784		4.44(2.23-6.68)		2525	
* 42 13C4 PFOS										
503.00 > 80.00	5.974	5.963	0.011		2920635	4.78			117969	
D 45 13C9 PFNA										
472.00 > 427.00	6.001	5.981	0.020	1.004	9101767	10.4		104	362357	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
44 Perfluorononanoic acid										
463.00 > 419.00	5.992	5.981	0.011	0.998	5925399	7.56	Target=4.83	94.5	47510	
463.00 > 169.00	5.992	5.981	0.011	0.998	1283643		4.62(2.42-7.25)		62139	
51 9ClFOS										
531.00 > 351.00	6.151	6.139	0.012	1.030	9565074	7.35		98.8	271533	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.274	6.263	0.011	1.050	4916806	7.34	Target=4.19	95.6	171395	
549.00 > 99.00	6.274	6.263	0.011	1.050	1143458		4.30(2.09-6.28)		56487	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.300	6.280	0.020	1.000	7243817	8.06	Target=10.20	101	82549	
513.00 > 169.00	6.300	6.280	0.020	1.000	732010		9.90(5.10-15.29)		35167	
D 54 13C6 PFDA										
519.00 > 474.00	6.300	6.289	0.011	1.000	10301157	10.5		105	483229	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.309	6.289	0.020	1.001	168382	10.1		105	13223	
56 8:2 FTS										
527.00 > 507.00	6.309	6.289	0.020	1.000	1022185	8.28	Target=1.44	108	47395	
527.00 > 81.00	6.300	6.289	0.011	0.999	670998		1.52(0.72-2.16)		39808	
* 55 13C2 PFDA										
515.00 > 470.00	6.300	6.289	0.011		5152158	5.00			302492	
D 59 13C8 FOSA										
506.00 > 78.00	6.399	6.375	0.024	1.016	10573238	10.9		109	252135	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.399	6.375	0.024	1.000	7876410	7.52		94.1	209399	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.452	6.429	0.024	1.024	1835141	10.3		103	66504	
60 NMeFOSAA										
570.00 > 419.00	6.452	6.439	0.013	1.000	1302188	7.94	Target=1.62	99.3	545623	
570.00 > 483.00	6.452	6.439	0.013	1.000	774675		1.68(0.81-2.44)		1727	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.547	6.521	0.026	1.096	5065940	6.74	Target=4.24	87.4	171535	
599.00 > 99.00	6.535	6.521	0.014	1.094	1222705		4.14(2.12-6.36)		41701	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.570	6.544	0.026	1.000	6426034	7.88	Target=8.77	98.5	35593	
563.00 > 169.00	6.570	6.544	0.026	1.000	722242		8.90(4.39-13.16)		35949	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.570	6.556	0.014	1.161	9597339	11.1		111	316262	
D 65 13C7 PFUnA										
570.00 > 525.00	6.570	6.556	0.014	1.043	9872696	10.6		106	243801	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.593	6.567	0.026	1.047	1443869	10.5		105	21991	
67 NEtFOSAA										
584.00 > 419.00	6.593	6.579	0.014	1.000	1033680	7.49	Target=1.47	93.6	38472	
584.00 > 526.00	6.593	6.579	0.014	1.000	703968		1.47(0.74-2.21)		259083	
69 11ClFOS										
631.00 > 451.00	6.682	6.658	0.024	1.118	7307965	6.99		93.9	168489	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.810	6.784	0.026	1.081	7194729	10.1		101	250685	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
73 Perfluorododecanoic acid										
613.00 > 569.00	6.810	6.784	0.026	1.000	6092429	8.45	Target=5.09	106	70697	
613.00 > 169.00	6.810	6.784	0.026	1.000	1145231		5.32(2.54-7.63)		23401	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.830	6.807	0.023	1.084	2022472	10.7		107	7080	
77 N-MeFOSE-M										
616.00 > 59.00	6.841	6.807	0.034	1.001	1509600	7.10		88.8	17032	
75 10:2 FTS										
627.00 > 607.00	6.820	6.807	0.013	1.081	616754	6.96	Target=0.84	90.3	42983	
627.00 > 81.00	6.820	6.807	0.013	1.081	706395		0.87(0.42-1.26)		37401	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.851	6.828	0.023	1.087	1205908	10.0		100	32916	
78 NMeFOSA										
512.00 > 169.00	6.851	6.828	0.023	1.000	940202	7.80		97.5	29126	
80 PFDoS										
699.00 > 80.00	6.985	6.956	0.029	1.169	5531839	7.76		100	116481	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.994	6.965	0.029	1.110	2129056	10.4		104	11426	
82 N-EtFOSE-M										
630.00 > 59.00	6.994	6.975	0.019	1.000	1790566	7.71		96.4	30879	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.015	6.984	0.031	1.113	1164584	10.1		101	28598	
84 N-EtFOSA-M										
526.00 > 169.00	7.015	6.993	0.022	1.000	971821	7.80		97.5	23892	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.015	6.993	0.022	1.030	4660389	8.19	Target=4.59	102	16838	
663.00 > 169.00	7.015	6.993	0.022	1.030	1009787		4.62(2.29-6.88)		32226	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.192	7.172	0.020	1.142	7657579	10.1		101	299555	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.192	7.172	0.020	1.000	5156882	7.99	Target=5.25	99.9	17723	
713.00 > 169.00	7.192	7.172	0.020	1.000	1017154		5.07(2.62-7.87)		40682	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.488	7.467	0.021	1.041	6472463	7.86	Target=8.75	98.2	21129	
813.00 > 169.00	7.478	7.467	0.011	1.040	743499		8.71(4.38-13.13)		34510	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.717	7.701	0.016	1.073	3889628	7.88	Target=8.07	98.5	65535	
913.00 > 169.00	7.709	7.701	0.008	1.072	481196		8.08(4.04-12.11)		37901	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

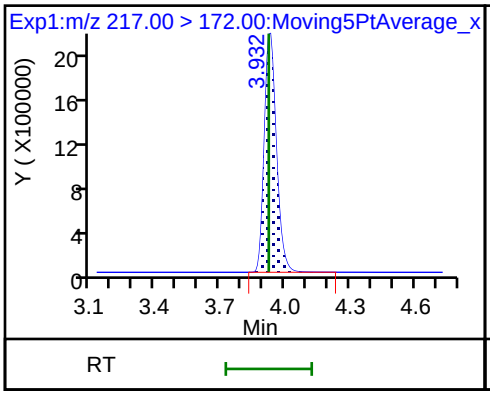
PFC_STD_MOD4_00022 Amount Added: 200.00 Units: uL

Report Date: 23-Jul-2021 16:58:56 Chrom Revision: 2.3 07-Jul-2021 15:06:26

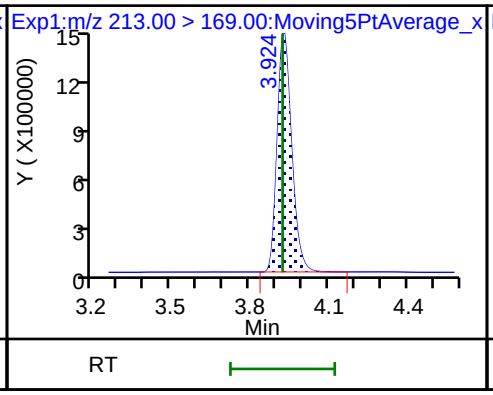
Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-23.d
Injection Date: 22-Jul-2021 04:42:15 Instrument ID: 30733
Lims ID: CCV 3_CAL4
Client ID:
Operator ID: US19_USR_INS20260 ALS Bottle#: 20005 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

D 3 13C4 PFBA



2 Perfluorobutanoic acid



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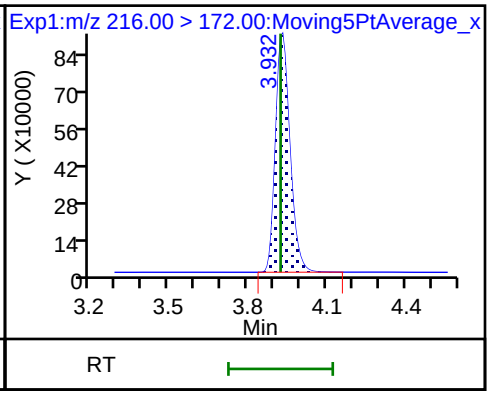
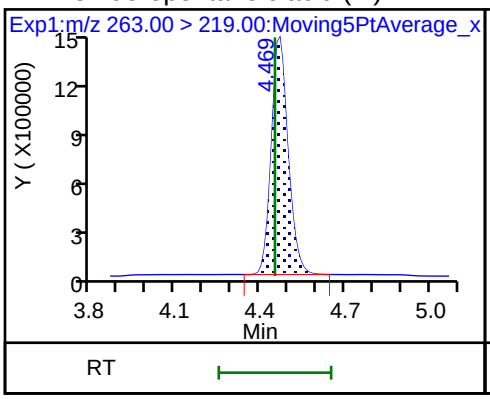
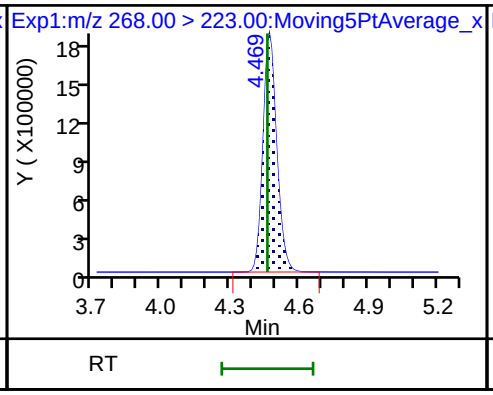


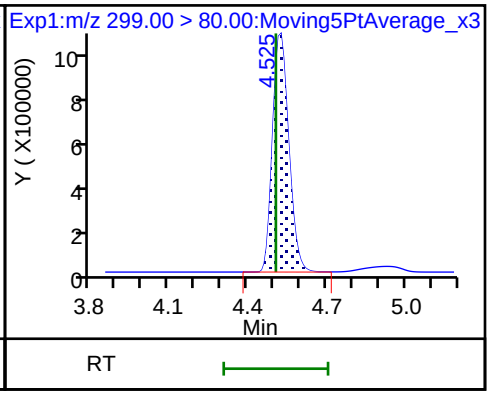
7 Perfluoropentanoic acid (M)



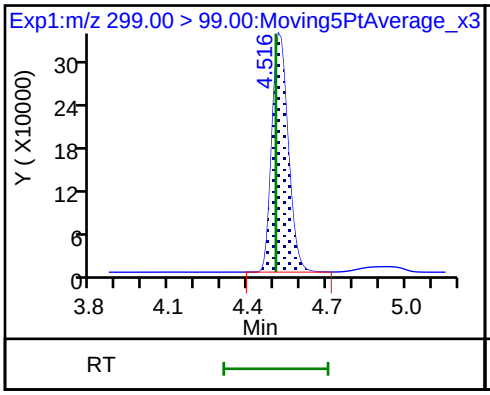
D 8 13C5 PFPeA



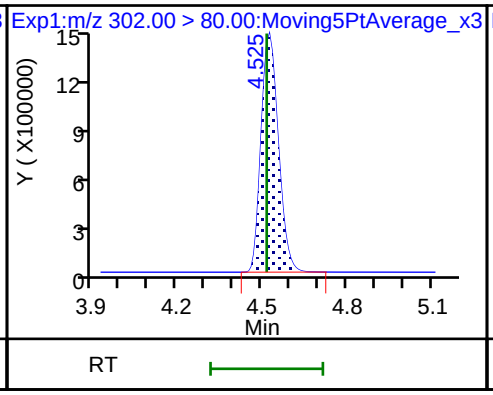
10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



D 11 13C3 PFBS



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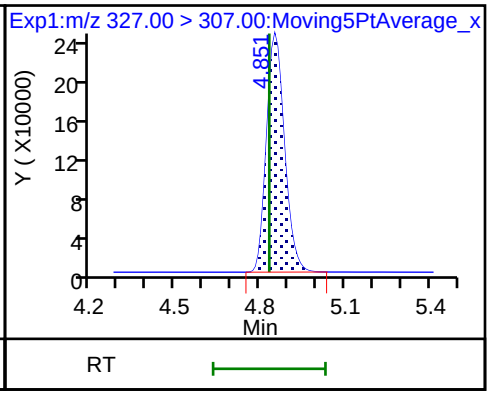

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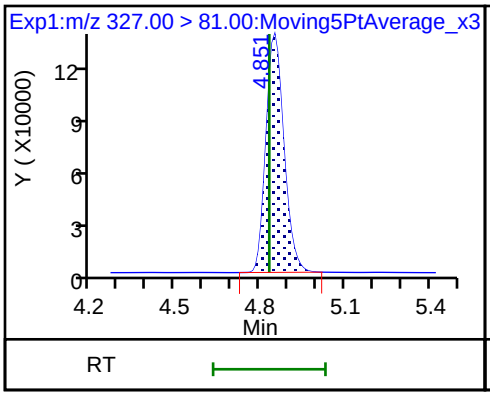
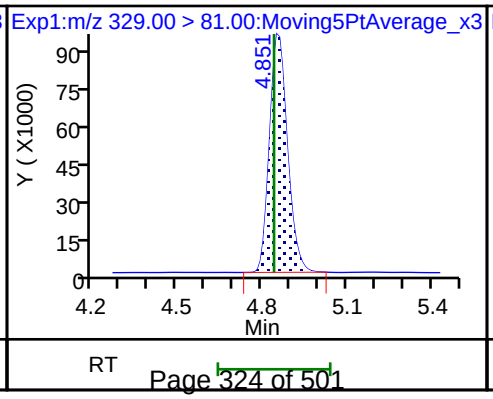
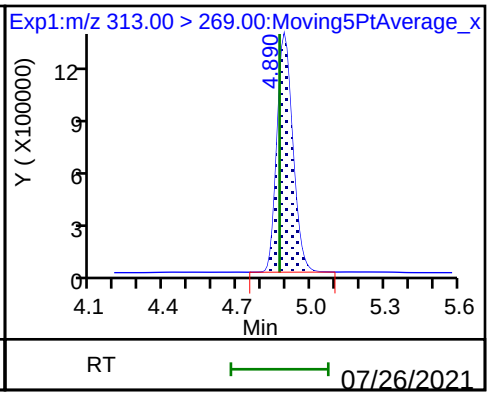


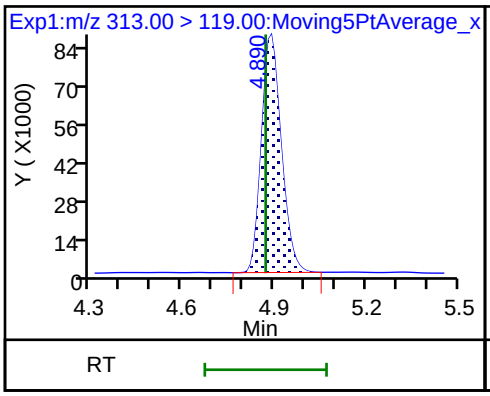
D 16 M2-4:2 FTS



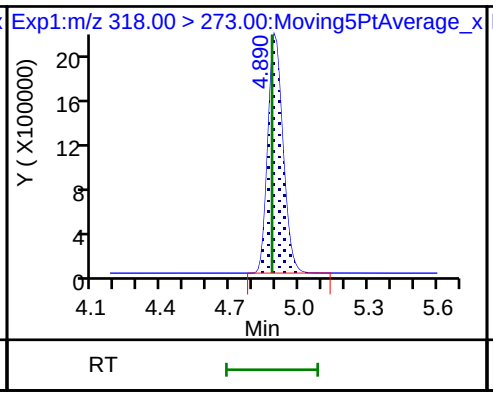
17 Perfluorohexanoic acid



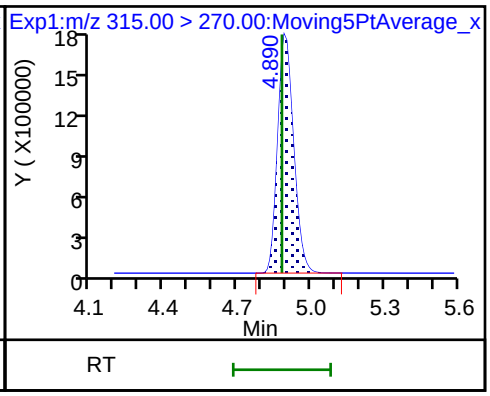
17 Perfluorohexanoic acid



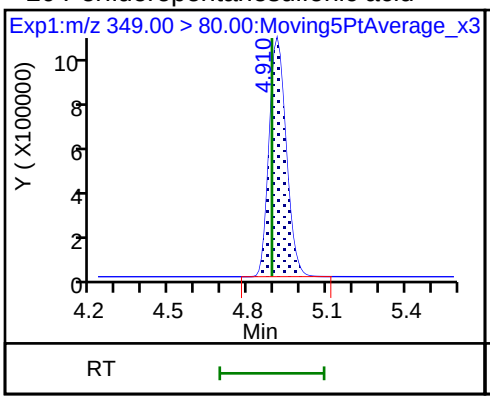
D 19 13C5 PFHxA



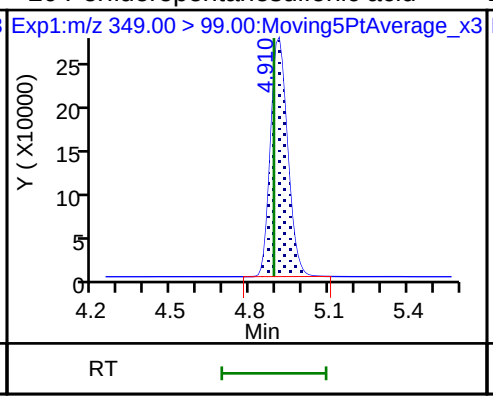
$ 18 13C2 PFHxA



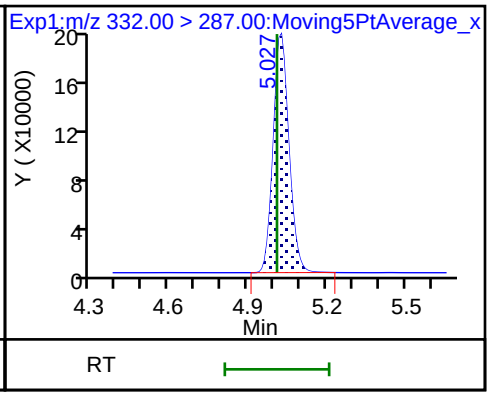
20 Perfluoropentanesulfonic acid



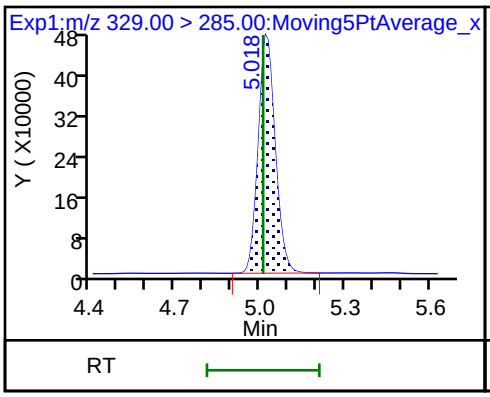
20 Perfluoropentanesulfonic acid



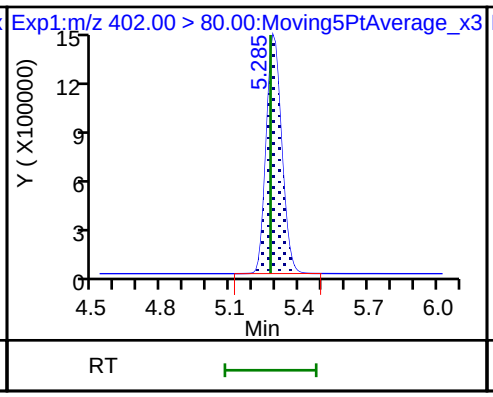
D 22 13C3 HFPO-DA



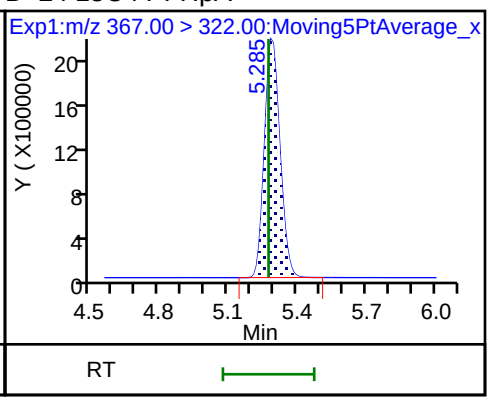
21 HFPO-DA



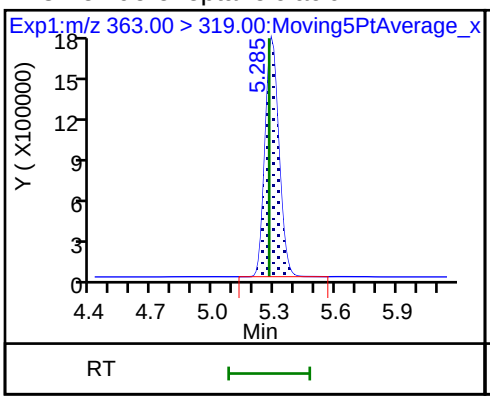
D 25 13C3 PFHxS



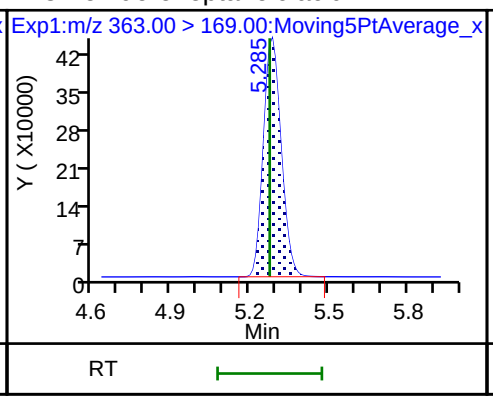
D 24 13C4 PFHpA



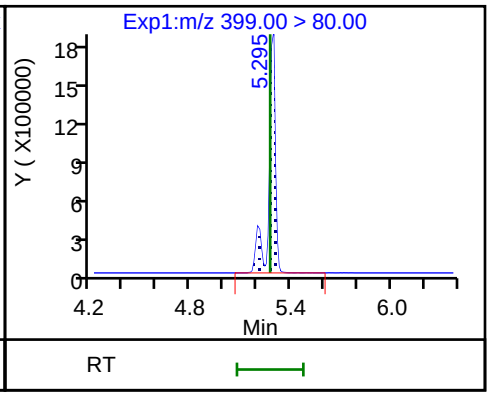
23 Perfluoroheptanoic acid



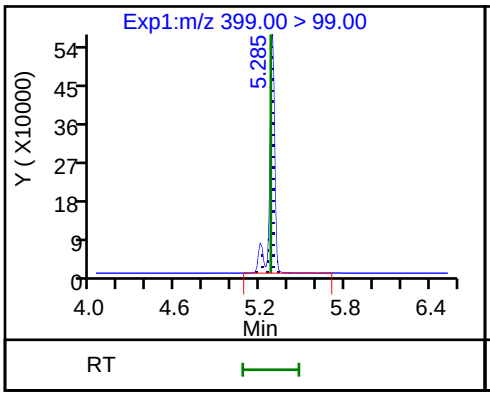
23 Perfluoroheptanoic acid



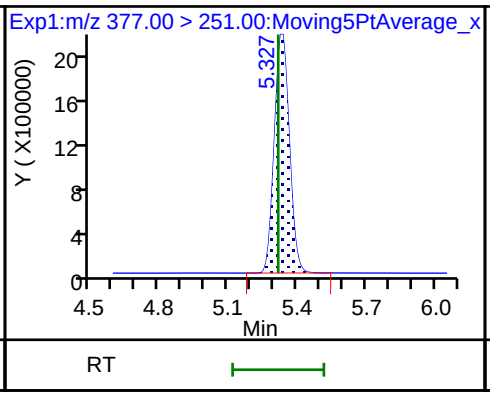
26 Perfluorohexanesulfonic acid



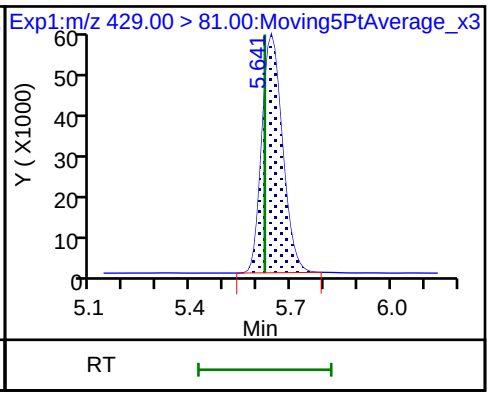
26 Perfluorohexanesulfonic acid



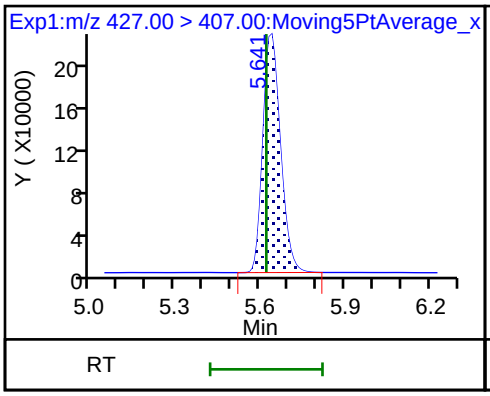
27 DONA



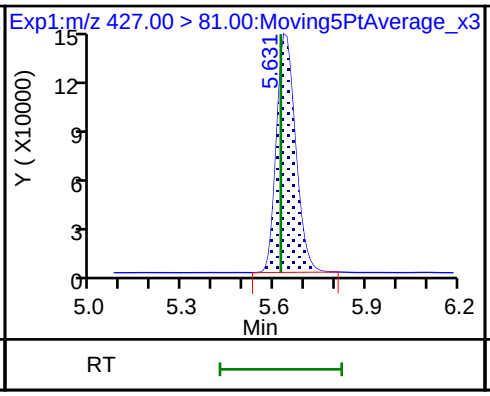
D 35 M2-6:2 FTS



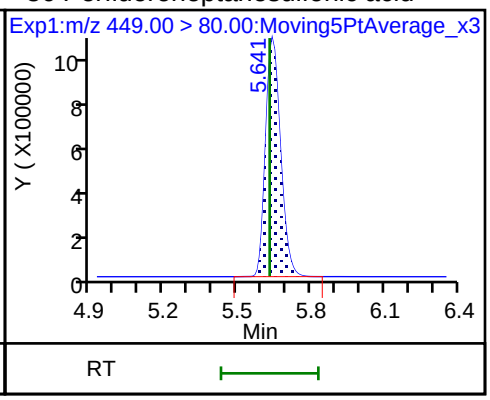
34 6:2 FTS



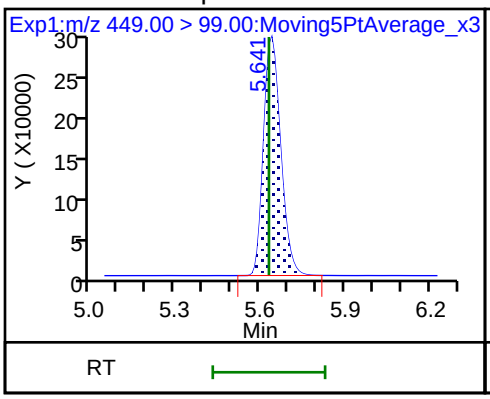
34 6:2 FTS



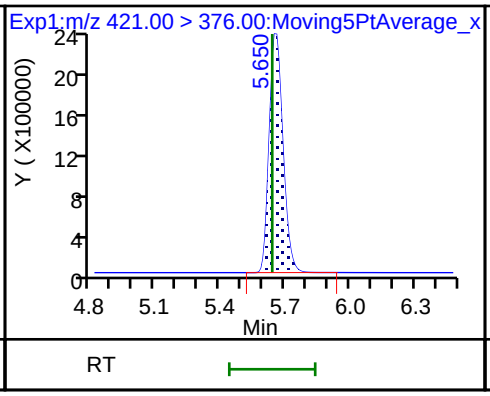
36 Perfluoroheptanesulfonic acid



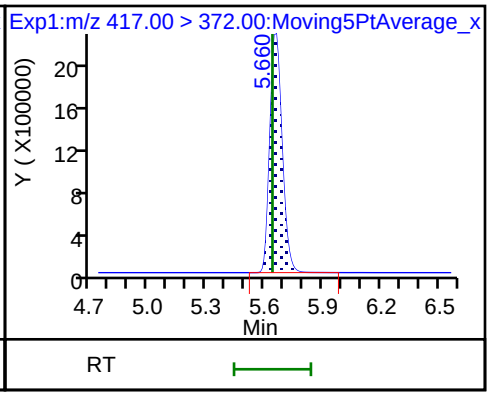
36 Perfluoroheptanesulfonic acid



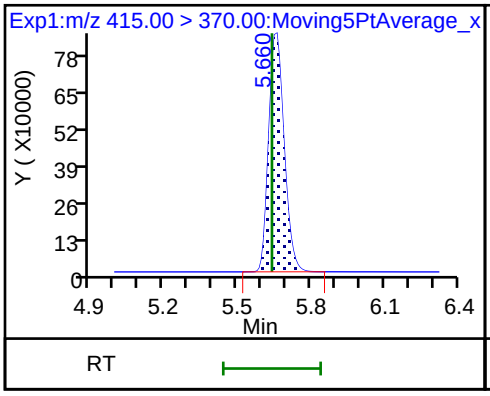
D 37 13C8 PFOA



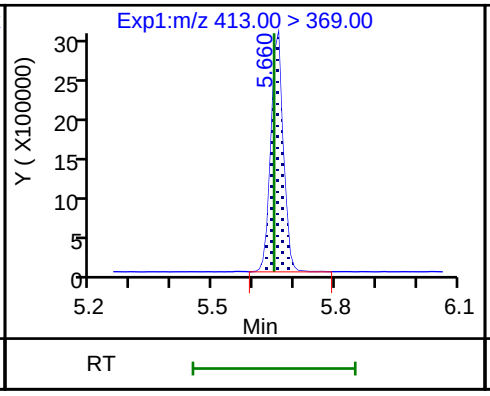
$ 39 13C4 PFOA



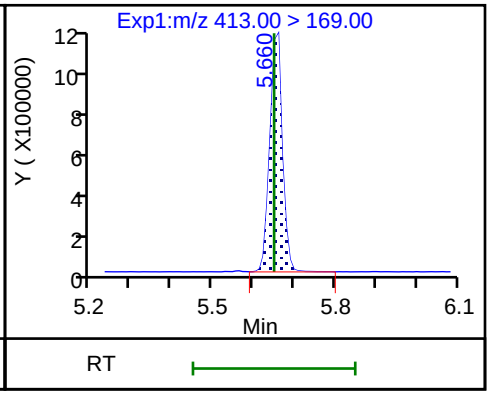
* 38 13C2 PFOA



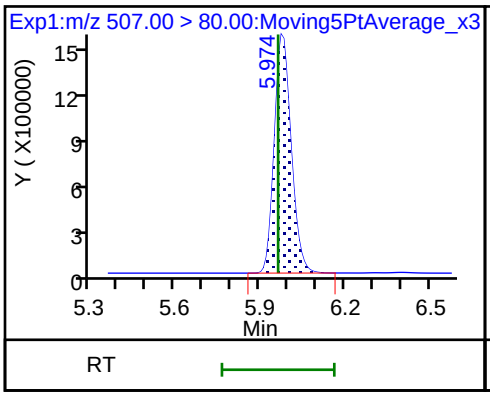
40 Perfluorooctanoic acid



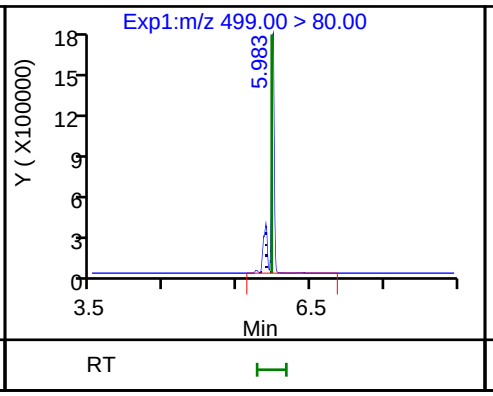
40 Perfluorooctanoic acid



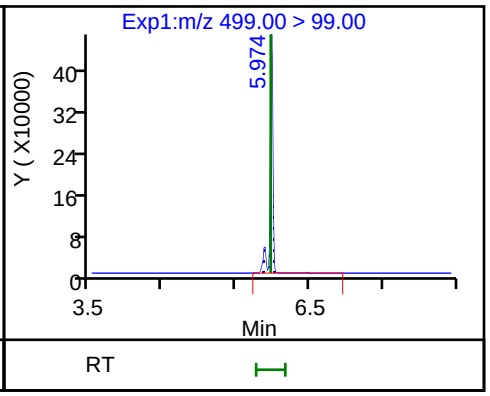
D 41 13C8 PFOS



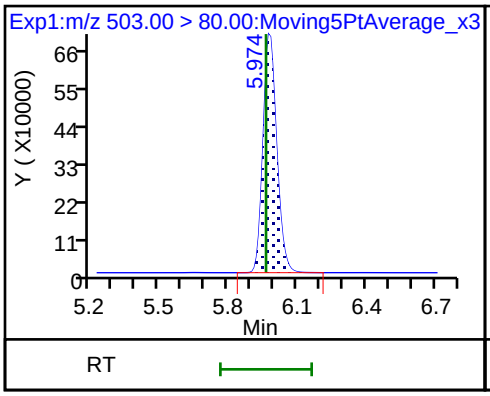
43 Perfluorooctanesulfonic acid



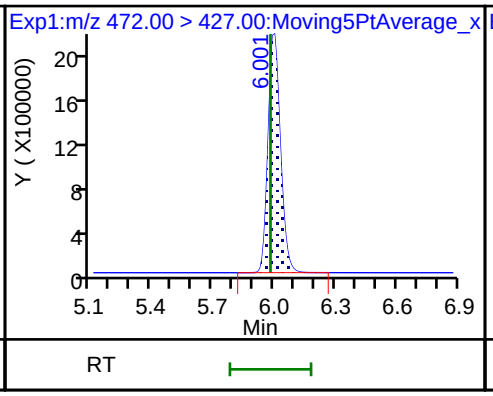
43 Perfluorooctanesulfonic acid



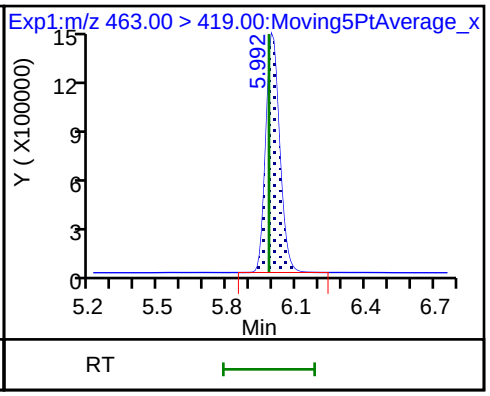
* 42 13C4 PFOS



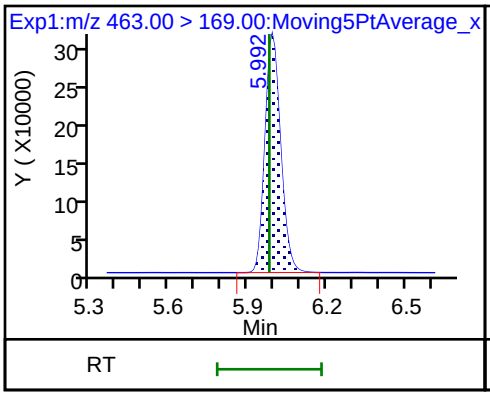
D 45 13C9 PFNA



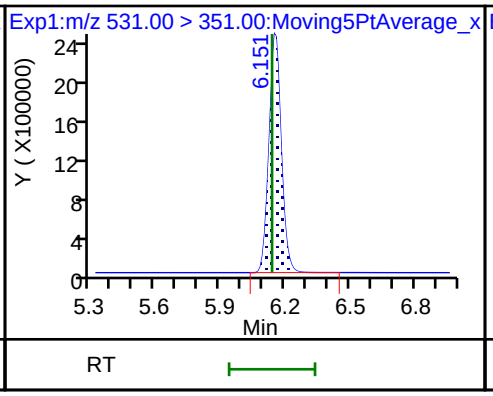
44 Perfluorononanoic acid



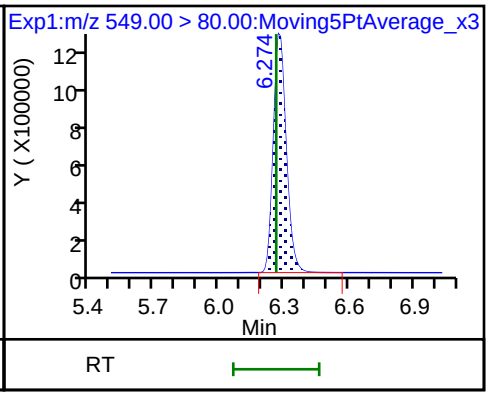
44 Perfluorononanoic acid



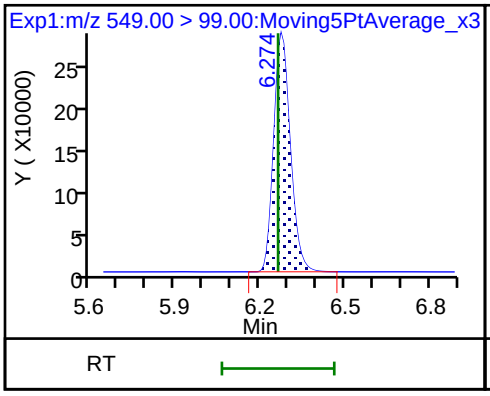
51 9ClFOS



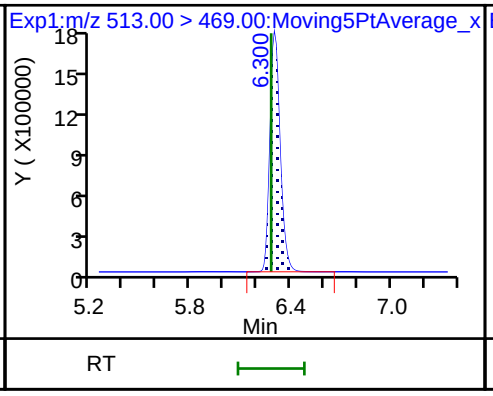
52 Perfluorononanesulfonic acid



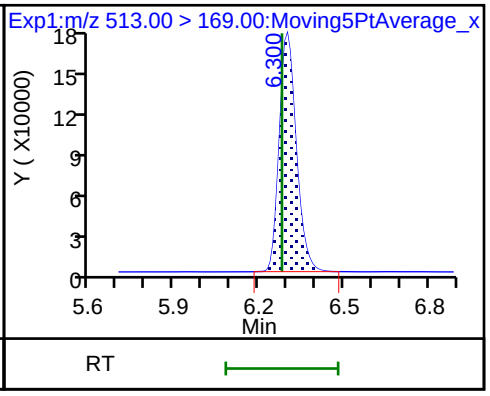
52 Perfluorononanesulfonic acid



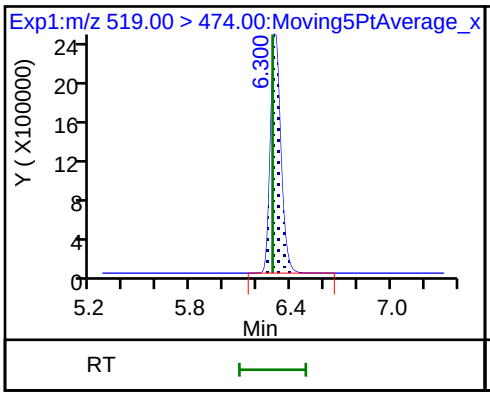
53 Perfluorodecanoic acid



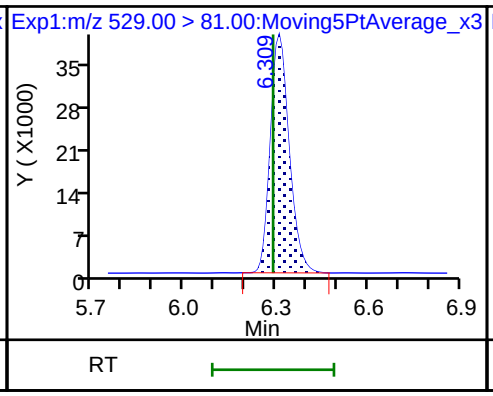
53 Perfluorodecanoic acid



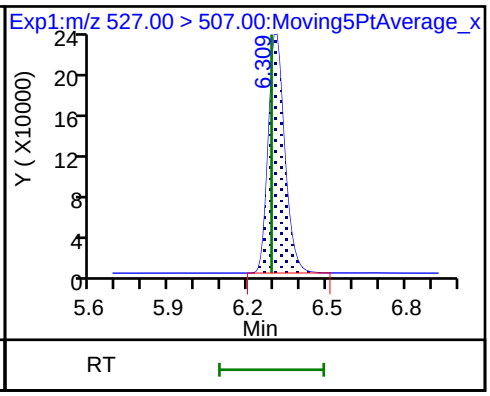
D 54 13C6 PFDA



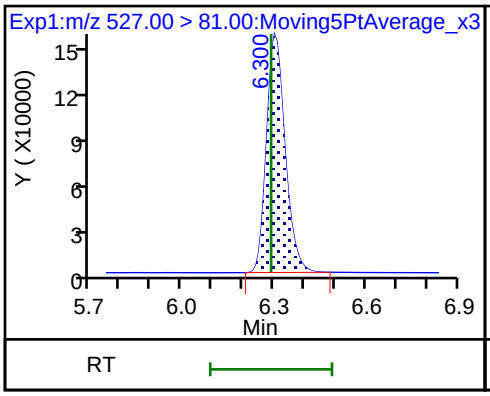
D 57 M2-8:2 FTS



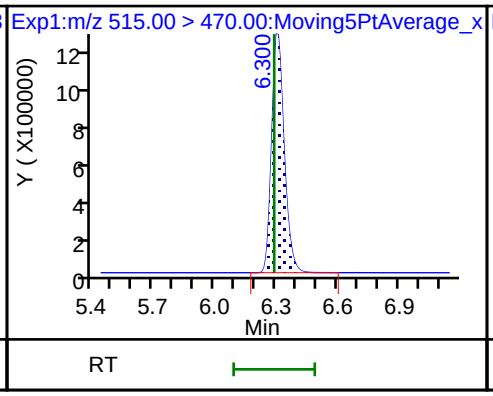
56 8:2 FTS



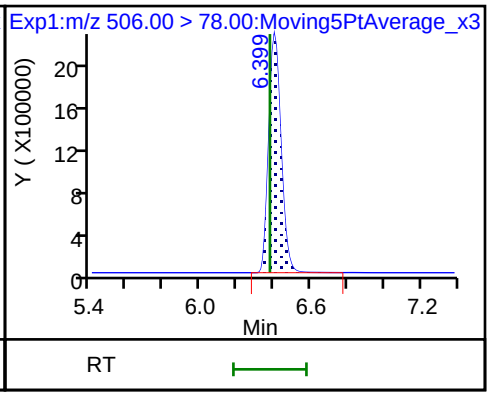
56 8:2 FTS



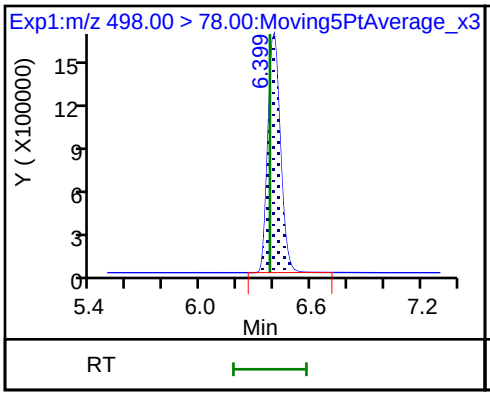
* 55 13C2 PFDA



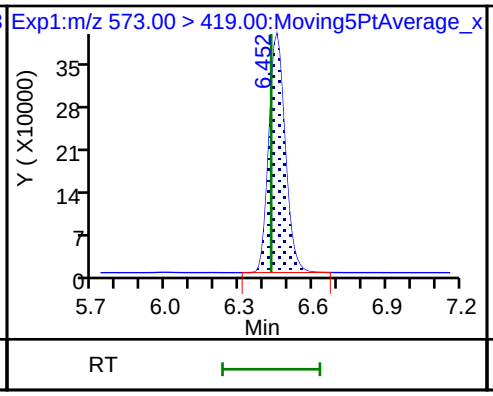
D 59 13C8 FOSA



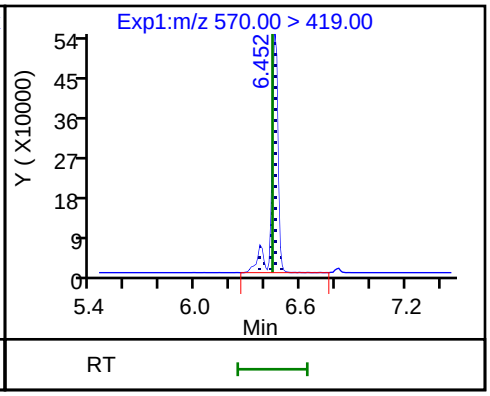
58 Perfluorooctanesulfonamide



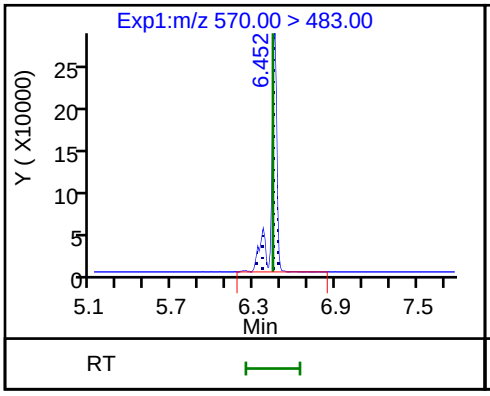
D 61 d3-NMeFOSAA



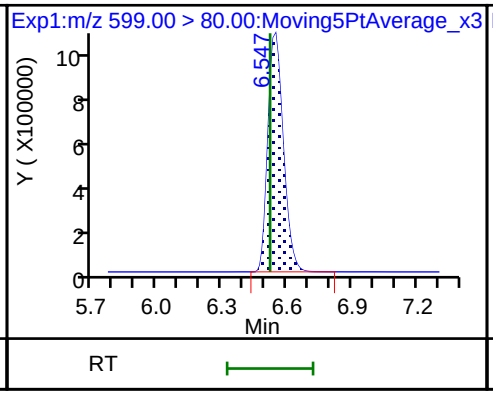
60 NMeFOSAA



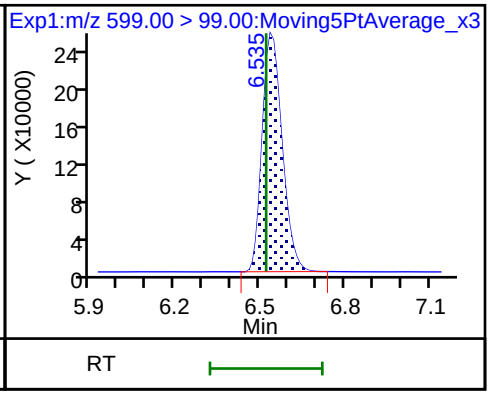
60 NMeFOSAA



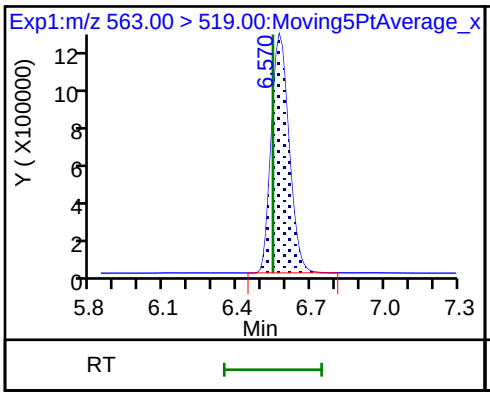
62 Perfluorodecanesulfonic acid



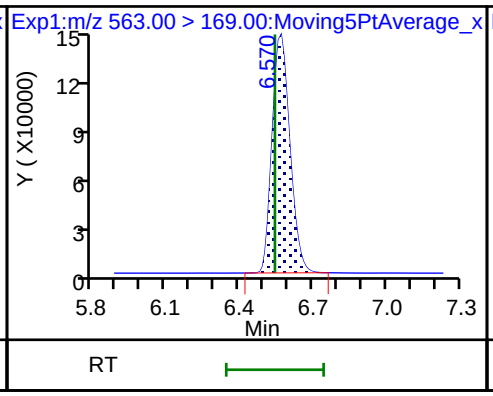
62 Perfluorodecanesulfonic acid



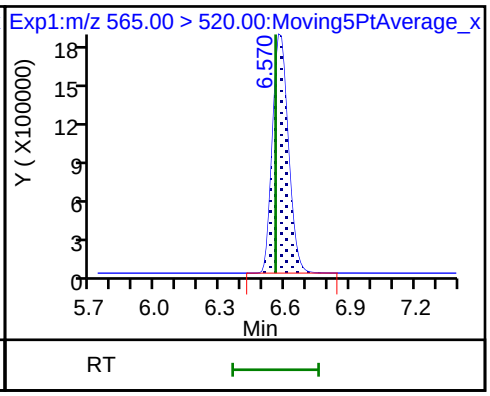
63 Perfluoroundecanoic acid



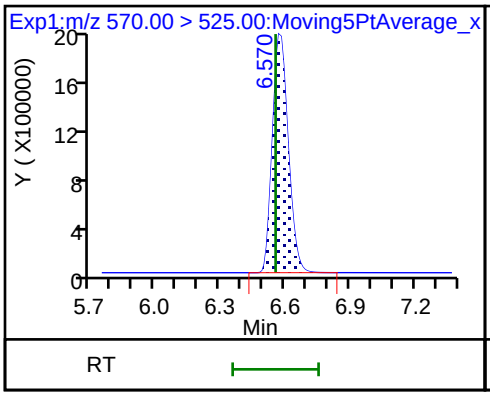
63 Perfluoroundecanoic acid



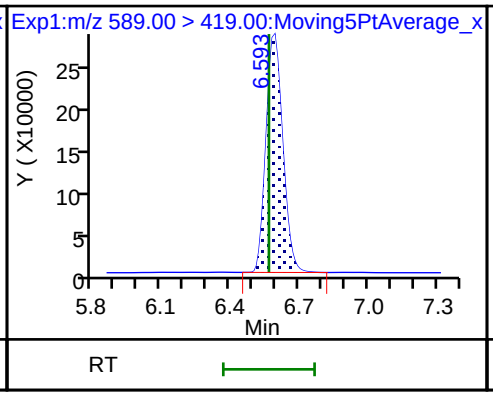
$ 64 13C2 PFUnA



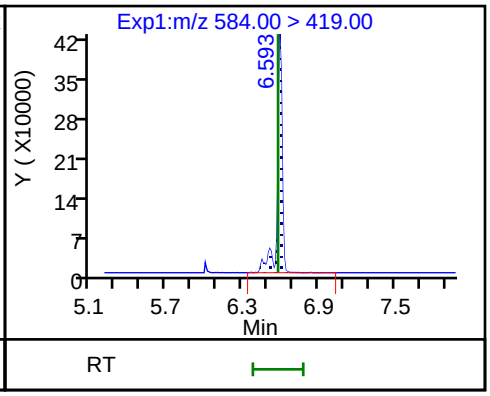
D 65 13C7 PFUnA



D 66 d5-NEtFOSAA



67 NEtFOSAA



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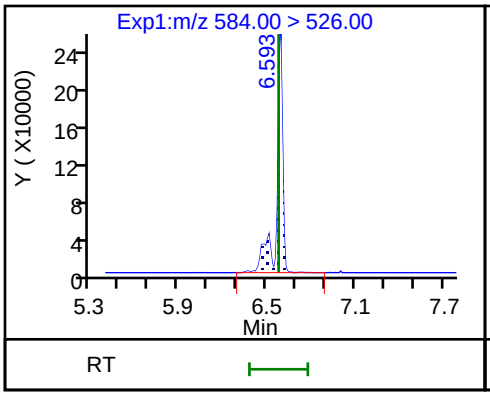
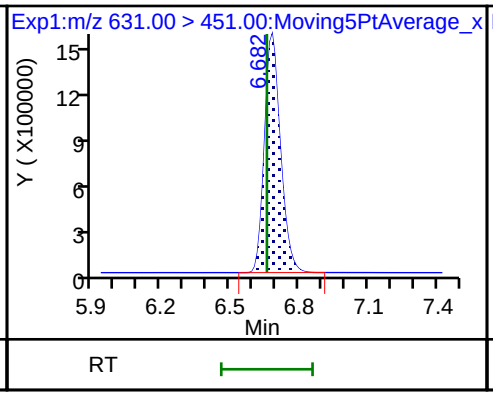
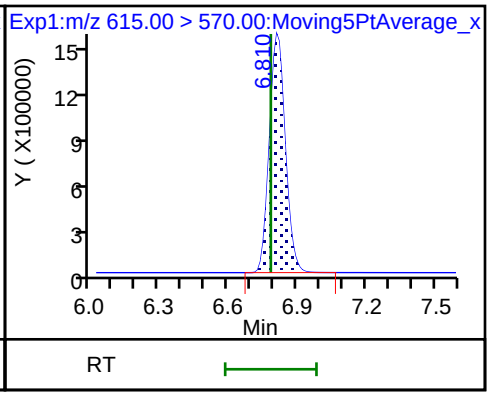


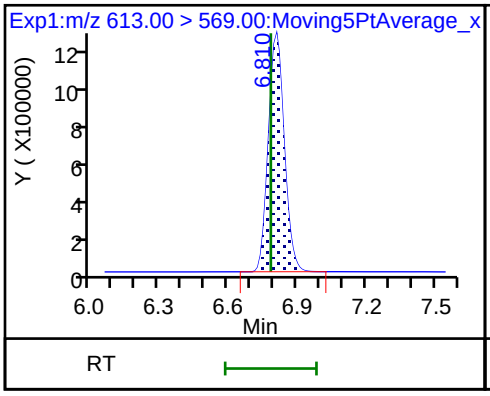
69 11ClFOS



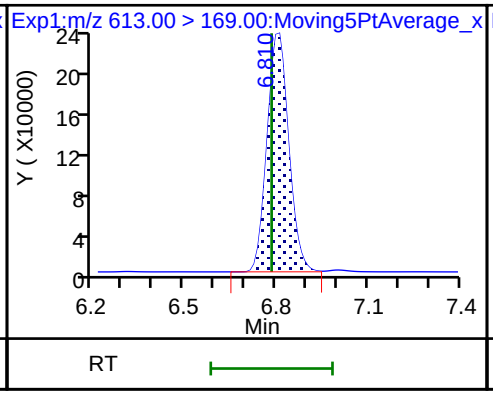
D 74 13C2-PFDoDA



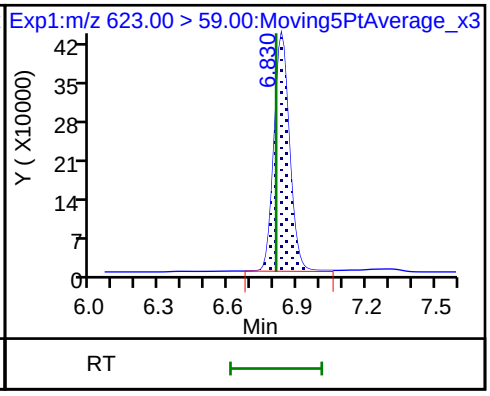
73 Perfluorododecanoic acid



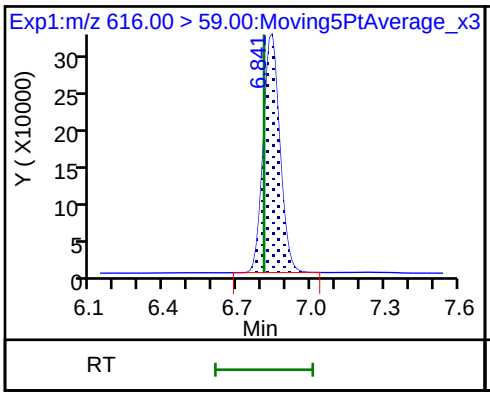
73 Perfluorododecanoic acid



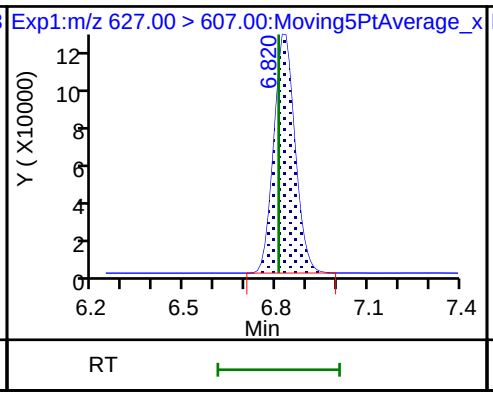
D 76 d7-N-MeFOSE-M



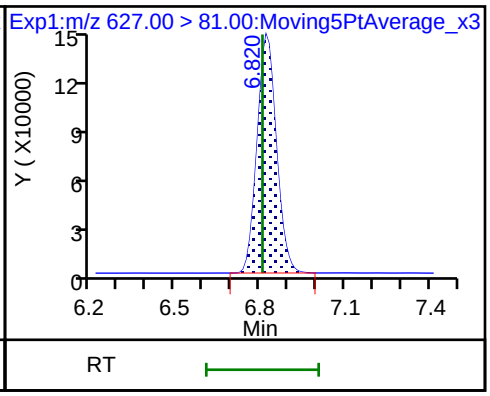
77 N-MeFOSE-M



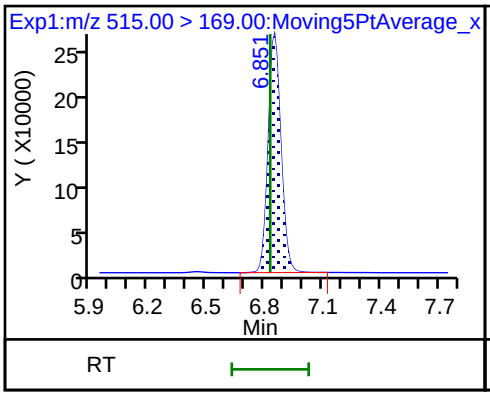
75 10:2 FTS



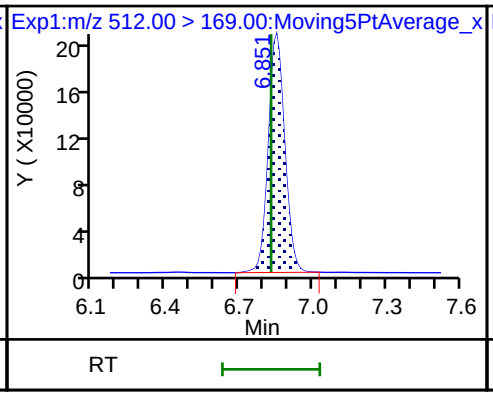
75 10:2 FTS



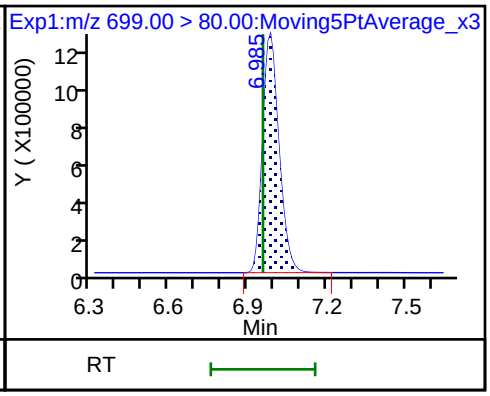
D 79 d3-NMePFOSA



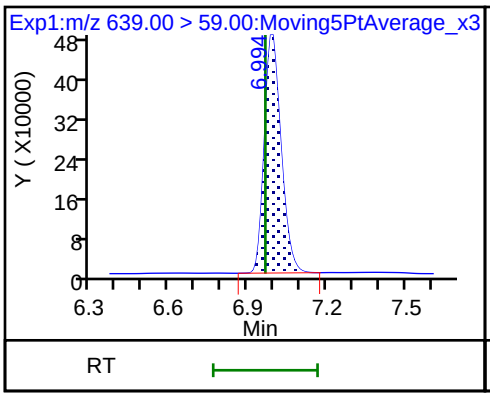
78 NMeFOSA



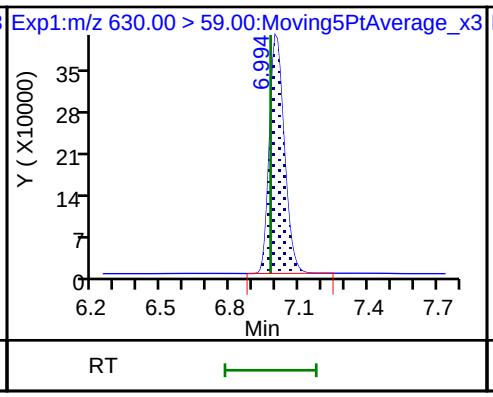
80 PFDoS



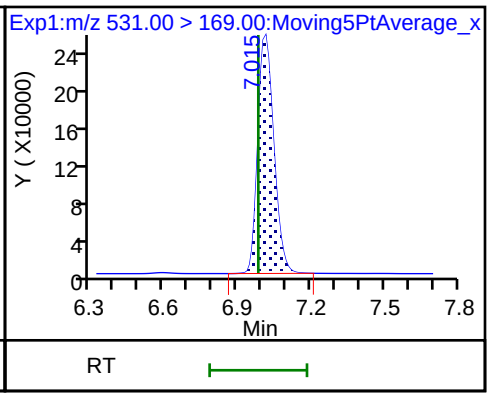
D 81 d9-N-EtFOSE-M



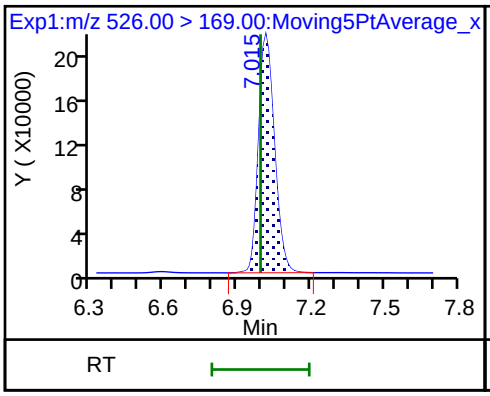
82 N-EtFOSE-M



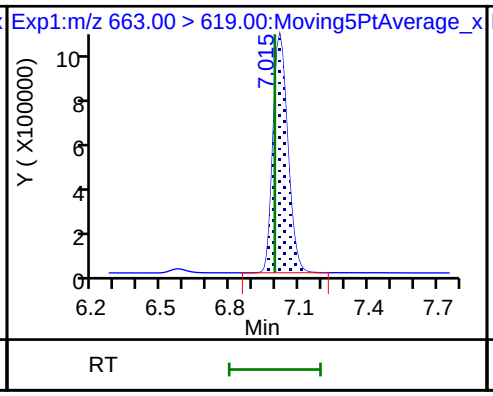
D 83 d5-NEtPFOSA



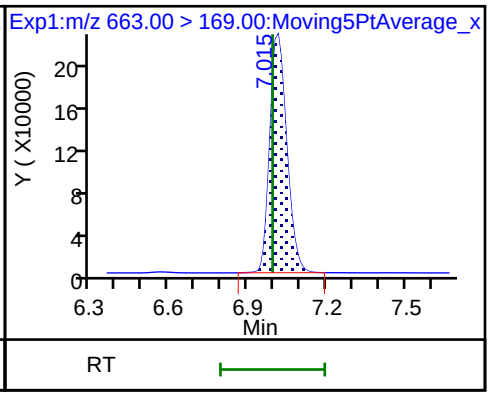
84 N-EtFOSA-M



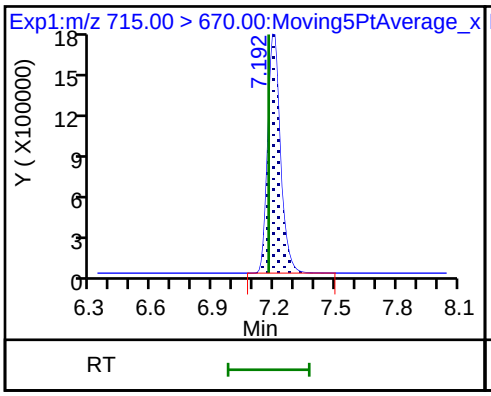
85 Perfluorotridecanoic acid



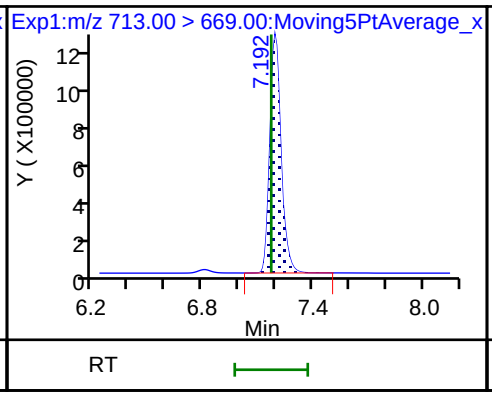
85 Perfluorotridecanoic acid



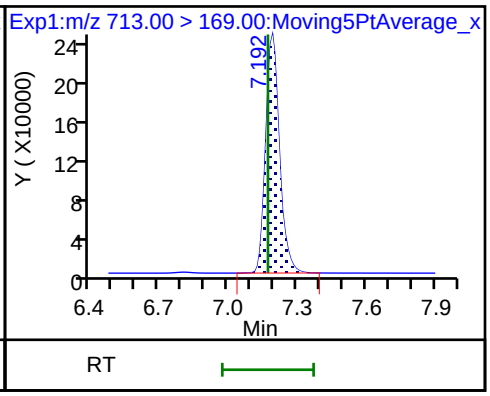
D 87 13C2 PFTeDA



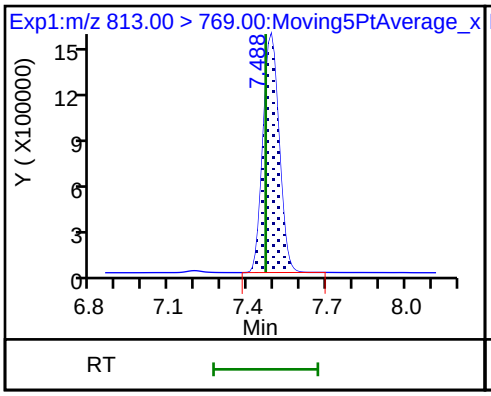
86 Perfluorotetradecanoic acid



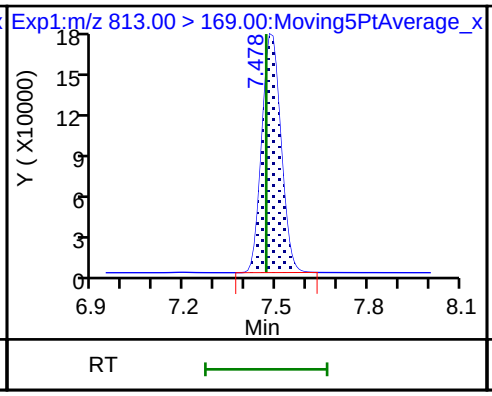
86 Perfluorotetradecanoic acid



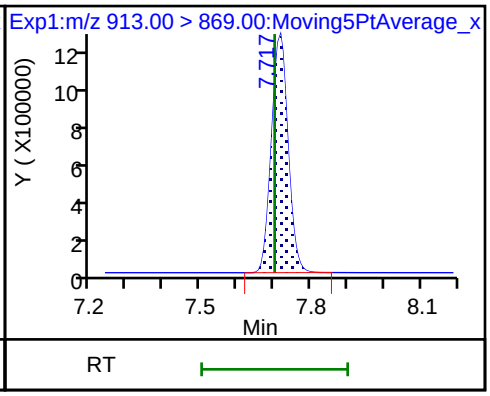
88 Perfluorohexadecanoic acid



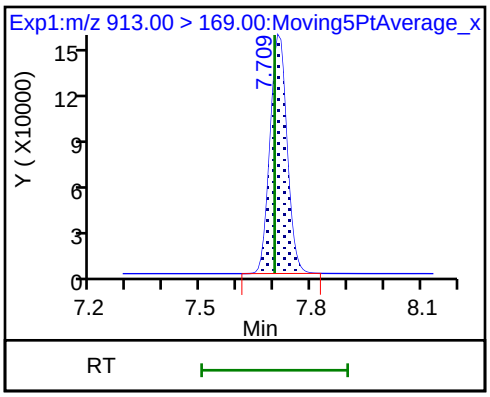
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

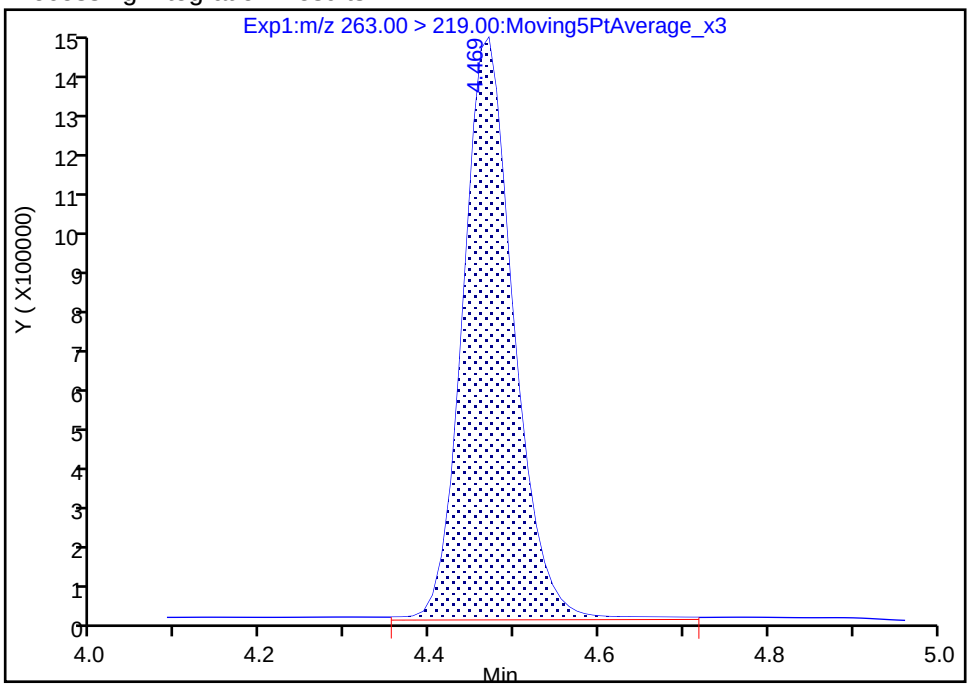
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-23.d				
Injection Date:	22-Jul-2021 04:42:15	Instrument ID:	30733		
Lims ID:	CCV 3_CAL4				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	20005	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

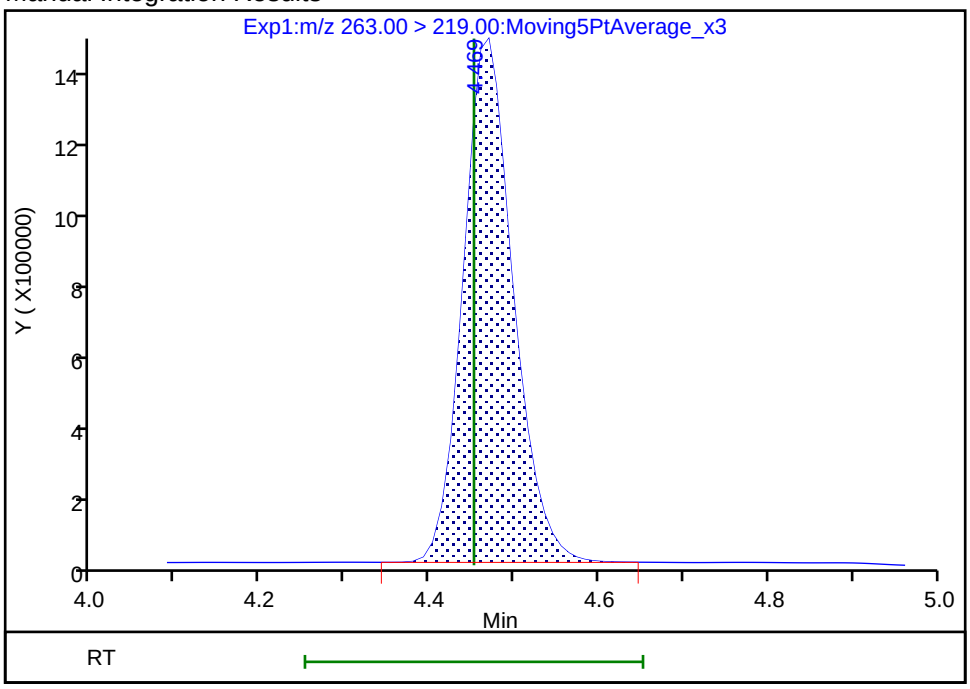
Processing Integration Results

RT: 4.47
Area: 5912559
Amount: 8.301507
Amount Units: ng/ml



Manual Integration Results

RT: 4.47
Area: 5777314
Amount: 8.111617
Amount Units: ng/ml



Reviewer: kruelleh, 22-Jul-2021 10:57:53

Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151245/31 Calibration Date: 07/22/2021 06:10

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL21-31.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid	LID1F		0.9188		21.3	20.0	6.6	30.0
Perfluoropentanoic acid	LID1F		0.9916		21.0	20.0	5.0	30.0
Perfluorobutanesulfonic acid	LID1F		1.035		17.8	17.7	0.6	30.0
4:2 Fluorotelomer sulfonic acid	LID1F		3.473		19.3	18.7	3.5	30.0
Perfluorohexanoic acid	LID1F		0.7815		20.7	20.0	3.5	30.0
Perfluoropentanesulfonic acid	LID1F		0.997		19.6	18.8	4.4	30.0
HFPODA	LID1F		3.280		21.0	20.0	4.9	30.0
Perfluoroheptanoic acid	LID1F		1.030		20.0	20.0	-0.3	30.0
Perfluorohexanesulfonic acid	LID1F		1.052		19.6	18.2	7.2	30.0
DONA	LID1F		1.323		18.7	18.9	-1.0	30.0
6:2 Fluorotelomer sulfonic acid	LID1F		4.685		18.9	19.0	-0.5	30.0
Perfluoroheptanesulfonic acid	LID1F		0.9429		20.1	19.0	5.7	30.0
Perfluorooctanoic acid	LID1F		0.7848		21.0	20.0	5.0	30.0
Perfluorooctanesulfonic acid	LID1F		1.132		19.2	18.5	3.6	30.0
Perfluorononanoic acid	LID1F		0.9007		20.9	20.0	4.6	30.0
9Cl-PF3ONS	LID1F		1.998		19.1	18.6	2.5	30.0
Perfluorononanesulfonic acid	LID1F		1.101		21.1	19.2	9.7	30.0
8:2 Fluorotelomer sulfonic acid	LID1F		7.839		21.4	19.2	11.6	30.0
Perfluorodecanoic acid	LID1F		0.8976		20.6	20.0	2.8	30.0
Perfluorooctanesulfonamide	LID1F		1.037		21.0	20.0	4.8	30.0
NMeFOSAA	LID1F		0.9527		21.3	20.0	6.7	30.0
Perfluorodecanesulfonic acid	LID1F		1.124		19.2	19.3	-0.3	30.0
Perfluoroundecanoic acid	LID1F		0.8255		20.0	20.0	-0.0	30.0
NEtFOSAA	LID1F		0.9915		20.7	20.0	3.7	30.0
11Cl-PF3OUdS	LID1F		1.627		19.3	18.6	3.8	30.0
Perfluorododecanoic acid	LID1F		1.068		21.3	20.0	6.5	30.0
10:2 FTS	LID1F		5.118		19.6	19.3	1.6	30.0
NMeFOSE	LID1F		1.021		19.4	20.0	-2.9	30.0
NMeFOSA	LID1F		1.083		21.7	20.0	8.4	30.0
Perfluorododecanesulfonic acid	LID1F		1.100		19.9	19.4	2.9	30.0
NEtFOSE	LID1F		1.164		21.4	20.0	6.8	30.0
NEtFOSA	LID1F		1.094		20.5	20.0	2.3	30.0
Perfluorotridecanoic acid	LID1F		0.8409		21.3	20.0	6.3	30.0
Perfluorotetradecanoic acid	LID1F		0.8574		20.3	20.0	1.7	30.0
Perfluorohexadecanoic acid	LID1F		1.066		19.8	20.0	-0.8	30.0
Perfluorooctadecanoic acid	LID1F		0.6781		21.0	20.0	5.2	30.0
13C4 PFBA	Ave	1.124	1.081		9.62	10.0	-3.8	30.0
13C5 PFPeA	Ave	1.039	1.027		9.88	10.0	-1.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151245/31 Calibration Date: 07/22/2021 06:10

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL21-31.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
13C3 PFBS	Ave	0.8735	0.8661		9.22	9.30	-0.9	30.0
M2-4:2 FTS	Ave	0.0600	0.0570		8.87	9.34	-5.0	30.0
13C5 PFHxA	Ave	1.228	1.208		9.84	10.0	-1.6	30.0
13C3 HFPO-DA	Ave	0.1132	0.0983		8.69	10.0	-13.1	30.0
13C3 PFHxS	Ave	0.8656	0.8167		8.93	9.46	-5.7	30.0
13C4 PFHpA	Ave	1.259	1.223		9.72	10.0	-2.8	30.0
M2-6:2 FTS	Ave	0.0333	0.0314		8.96	9.50	-5.7	30.0
13C8 PFOA	Ave	1.365	1.282		9.39	10.0	-6.1	30.0
13C8 PFOS	Ave	1.033	1.013		9.38	9.56	-1.9	30.0
13C9 PFNA	Ave	1.435	1.432		9.98	10.0	-0.2	30.0
13C6 PFDA	Ave	0.9505	0.9227		9.71	10.0	-2.9	30.0
M2-8:2 FTS	Ave	0.0162	0.0158		9.31	9.58	-2.8	30.0
13C8 FOSA	Ave	0.9399	0.9285		9.88	10.0	-1.2	30.0
d3-NMeFOSAA	Ave	0.1726	0.1644		9.53	10.0	-4.7	30.0
13C7 PFUnA	Ave	0.9053	0.9179		10.1	10.0	1.4	30.0
d5-NEtFOSAA	Ave	0.1331	0.1245		9.35	10.0	-6.5	30.0
13C2-PFDoDA	Ave	0.6941	0.6591		9.50	10.0	-5.0	30.0
d7-N-MeFOSE-M	Ave	0.1826	0.1821		9.97	10.0	-0.3	30.0
d3-NMePFOSA	Ave	0.1168	0.1114		9.53	10.0	-4.7	30.0
d9-N-EtFOSE-M	Ave	0.1986	0.1924		9.69	10.0	-3.1	30.0
d5-NEtPFOSA	Ave	0.1120	0.1141		10.2	10.0	1.8	30.0
13C2 PFTeDA	Ave	0.7341	0.7141		9.73	10.0	-2.7	30.0
13C2 PFHxA	Lin1F		0.9643		10.1	10.0	0.9	30.0
13C4 PFOA	Lin1F		1.191		9.44	10.0	-5.6	30.0
13C2 PFUnA	Lin1F		1.154		9.94	10.0	-0.6	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-31.d
Lims ID: CCV 4_CAL5
Client ID:
Sample Type: CCV
Inject. Date: 22-Jul-2021 06:10:50 ALS Bottle#: 20006 Worklist Smp#: 31
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: CCV 4_CAL5
Misc. Info.: Plate: 1 Rack: 1 410-0034909-031
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 11:32:29 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1679

First Level Reviewer: kruelleh Date: 22-Jul-2021 10:59:12
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.939	3.924	0.014	1.000	7785848	9.62		96.2	199723	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.939	3.924	0.014	1.000	14306726	21.3		107	63511	
* 4 13C3-PFBA										
216.00 > 172.00	3.939	3.924	0.014		3602628	5.00			35818	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.467	4.452	0.015	0.998	14670959	21.0		105	16271	
D 8 13C5 PFPeA										
268.00 > 223.00	4.476	4.461	0.016	1.137	7397423	9.88		98.8	223365	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.523	4.506	0.017	1.000	11428645	17.8	Target=3.13	101	17776	
299.00 > 99.00	4.523	4.506	0.017	1.000	3650957		3.13(1.57-4.70)		16546	
D 11 13C3 PFBS										
302.00 > 80.00	4.523	4.515	0.008	1.148	5803541	9.22		99.1	193234	
15 4:2 FTS										
327.00 > 307.00	4.859	4.832	0.027	1.000	2972784	19.3	Target=1.61	104	135349	
327.00 > 81.00	4.849	4.832	0.017	0.998	1620261		1.83(0.81-2.42)		72482	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.859	4.842	0.017	0.857	427925	8.87		95.0	19552	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.898	4.871	0.027	1.000	15168943	20.7	Target=14.88	104	53617	
313.00 > 119.00	4.889	4.871	0.018	0.998	1024189		14.81(7.44-22.32)		28387	
D 19 13C5 PFHxA										
318.00 > 273.00	4.898	4.881	0.017	0.864	9705291	9.84		98.4	217798	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.898	4.881	0.017	0.864	7748109	10.1		101	290833	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.918	4.890	0.028	1.087	11673469	19.6	Target=3.52	104	518261	
349.00 > 99.00	4.908	4.890	0.018	1.085	3384252		3.45(1.76-5.28)		125305	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.035	5.010	0.025	0.888	789872	8.69		86.9	47116	
21 HFPO-DA										
329.00 > 285.00	5.026	5.010	0.016	0.998	5181248	21.0		105	43074	
D 25 13C3 PFHxS										
402.00 > 80.00	5.295	5.274	0.021	0.934	6207226	8.92		94.3	192443	
D 24 13C4 PFHpA										
367.00 > 322.00	5.295	5.274	0.021	0.934	9825979	9.72		97.2	263898	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.295	5.274	0.021	1.000	20241668	19.9	Target=3.85	99.7	90846	
363.00 > 169.00	5.295	5.274	0.021	1.000	5316384		3.81(1.93-5.78)		113546	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.295	5.274	0.021	1.000	12585877	19.6	Target=3.51	107	5284399	
399.00 > 99.00	5.295	5.274	0.021	1.000	3351426		3.76(1.75-5.26)		6762	
27 DONA										
377.00 > 251.00	5.337	5.317	0.020	1.008	24567798	18.7		99.0	221000	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.648	5.621	0.027	0.997	239516	8.96		94.3	13788	
34 6:2 FTS										
427.00 > 407.00	5.648	5.621	0.027	1.000	2239715	18.9	Target=1.43	99.5	85875	
427.00 > 81.00	5.639	5.621	0.018	0.998	1711096		1.31(0.72-2.15)		78948	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.648	5.630	0.018	1.067	11779837	20.1	Target=3.86	106	306311	
449.00 > 99.00	5.648	5.630	0.018	1.067	3223838		3.65(1.93-5.79)		151856	
D 37 13C8 PFOA										
421.00 > 376.00	5.668	5.640	0.028	1.000	10303317	9.39		93.9	214066	
$ 39 13C4 PFOA										
417.00 > 372.00	5.668	5.640	0.028	1.000	9565684	9.44		94.4	242421	
* 38 13C2 PFOA										
415.00 > 370.00	5.668	5.640	0.028		4017318	5.00			231450	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.668	5.649	0.019	1.000	16171977	21.0	Target=2.48	105	306468	
413.00 > 169.00	5.668	5.649	0.019	1.000	6459735		2.50(1.24-3.72)		297994	
D 41 13C8 PFOS										
507.00 > 80.00	5.980	5.963	0.017	1.000	5846813	9.37		98.1	43189	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.980	5.963	0.017	1.000	12815861	19.2	Target=4.45	104	28062	
499.00 > 99.00	5.980	5.963	0.017	1.000	2777735		4.61(2.23-6.68)		1222135	
* 42 13C4 PFOS										
503.00 > 80.00	5.980	5.963	0.017		2887397	4.78			54218	
D 45 13C9 PFNA										
472.00 > 427.00	5.997	5.981	0.016	1.003	8644550	9.98		99.8	346380	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
44 Perfluorononanoic acid										
463.00 > 419.00	5.997	5.981	0.016	1.000	15572815	20.9	Target=4.83	105	89282	
463.00 > 169.00	5.997	5.981	0.016	1.000	3378781		4.61(2.42-7.25)		135652	
51 9ClFOS										
531.00 > 351.00	6.157	6.139	0.018	1.030	22725138	19.1		102	472644	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.263	0.009	1.049	12929333	21.1	Target=4.19	110	291396	
549.00 > 99.00	6.272	6.263	0.009	1.049	3100049		4.17(2.09-6.28)		153192	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.298	6.280	0.018	1.000	17700537	20.6	Target=10.20	103	176908	
513.00 > 169.00	6.298	6.280	0.018	1.000	1831722		9.66(5.10-15.29)		73314	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.289	0.009	1.000	9860095	9.71		97.1	334348	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.307	6.289	0.018	1.001	161614	9.31		97.2	12500	
56 8:2 FTS										
527.00 > 507.00	6.298	6.289	0.009	0.999	2533806	21.4	Target=1.44	112	119128	
527.00 > 81.00	6.298	6.289	0.009	0.999	1745152		1.45(0.72-2.16)		82835	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.289	0.009		5342815	5.00			317084	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.375	0.022	1.016	9921368	9.88		98.8	132714	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.397	6.375	0.022	1.000	20578234	21.0		105	1438187	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.450	6.429	0.022	1.024	1756901	9.53		95.3	53362	
60 NMeFOSAA										
570.00 > 419.00	6.450	6.439	0.011	1.000	3347489	21.3	Target=1.62	107	485318	
570.00 > 483.00	6.450	6.439	0.011	1.000	2041564		1.64(0.81-2.44)		4468	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.533	6.521	0.012	1.093	13249286	19.2	Target=4.24	99.7	339029	
599.00 > 99.00	6.533	6.521	0.012	1.093	3311864		4.00(2.12-6.36)		171545	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.568	6.544	0.024	1.000	16194255	20.0	Target=8.77	99.9	128370	
563.00 > 169.00	6.556	6.544	0.012	0.998	1867592		8.67(4.39-13.16)		92725	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.568	6.556	0.012	1.159	9268430	9.94		99.4	371789	
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.556	0.012	1.043	9808352	10.1		101	328027	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.580	6.567	0.013	1.045	1330504	9.35		93.5	20161	
67 NEtFOSAA										
584.00 > 419.00	6.591	6.579	0.012	1.002	2638353	20.7	Target=1.47	104	50081	
584.00 > 526.00	6.591	6.579	0.012	1.002	1792575		1.47(0.74-2.21)		627055	
69 11ClFOS										
631.00 > 451.00	6.670	6.658	0.012	1.115	18509731	19.3		104	296450	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.784	0.024	1.081	7043039	9.50		95.0	29312	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
73 Perfluorododecanoic acid										
613.00 > 569.00	6.797	6.784	0.013	0.998	15039420	21.3	Target=5.09	106	139425	
613.00 > 169.00	6.797	6.784	0.013	0.998	2805063		5.36(2.54-7.63)		52189	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.829	6.807	0.022	1.084	1946185	9.97		99.7	7124	
77 N-MeFOSE-M										
616.00 > 59.00	6.829	6.807	0.022	1.000	3972211	19.4		97.1	36853	
75 10:2 FTS										
627.00 > 607.00	6.819	6.807	0.012	1.081	1664669	19.6	Target=0.84	102	88086	
627.00 > 81.00	6.819	6.807	0.012	1.081	1910949		0.87(0.42-1.26)		80406	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.839	6.828	0.011	1.086	1189931	9.53		95.3	28497	
78 NMeFOSA										
512.00 > 169.00	6.839	6.828	0.011	1.000	2578137	21.7		108	42253	
80 PFDoS										
699.00 > 80.00	6.979	6.956	0.023	1.167	13023114	19.9		103	294043	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.988	6.965	0.023	1.110	2055692	9.69		96.9	11222	
82 N-EtFOSE-M										
630.00 > 59.00	6.997	6.975	0.022	1.001	4786576	21.4		107	75547	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.007	6.984	0.023	1.112	1219063	10.2		102	33716	
84 N-EtFOSA-M										
526.00 > 169.00	7.007	6.993	0.014	1.000	2666991	20.5		102	41783	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.007	6.993	0.014	1.029	11845092	21.3	Target=4.59	106	48602	
663.00 > 169.00	7.007	6.993	0.014	1.029	2709283		4.37(2.29-6.88)		86536	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.194	7.172	0.022	1.142	7630813	9.73		97.3	261804	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.194	7.172	0.022	1.000	13085391	20.3	Target=5.25	102	42440	
713.00 > 169.00	7.185	7.172	0.013	0.999	2519369		5.19(2.62-7.87)		74264	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.489	7.467	0.022	1.041	16276230	19.8	Target=8.75	99.2	54591	
813.00 > 169.00	7.489	7.467	0.022	1.041	1931984		8.42(4.38-13.13)		64064	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.723	7.701	0.022	1.074	10348670	21.0	Target=8.07	105	178895	
913.00 > 169.00	7.717	7.701	0.016	1.073	1316554		7.86(4.04-12.11)		86192	

QC Flag Legend

Processing Flags

Reagents:

PFC_STD_MOD5_00021 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 11:32:31 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-31.d

Injection Date: 22-Jul-2021 06:10:50 Instrument ID: 30733

Lims ID: CCV 4_CAL5

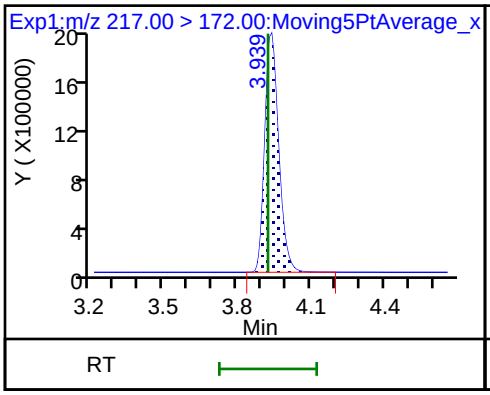
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20006 Worklist Smp#: 31

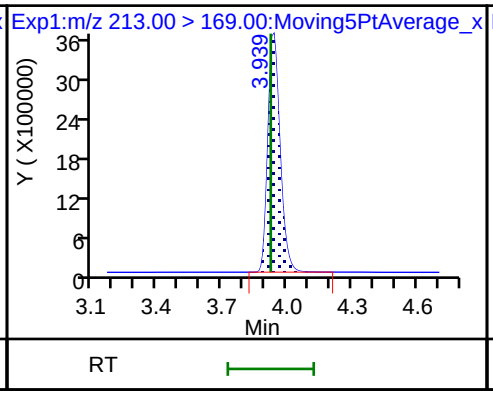
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

D 3 13C4 PFBA



2 Perfluorobutanoic acid



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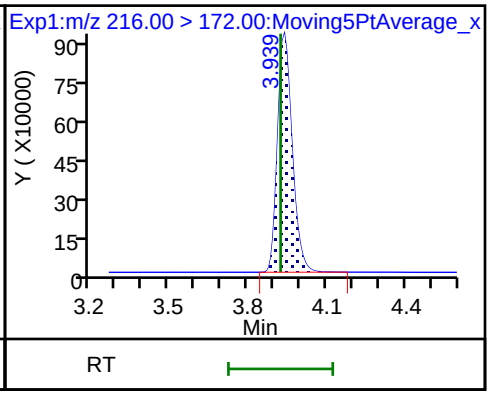
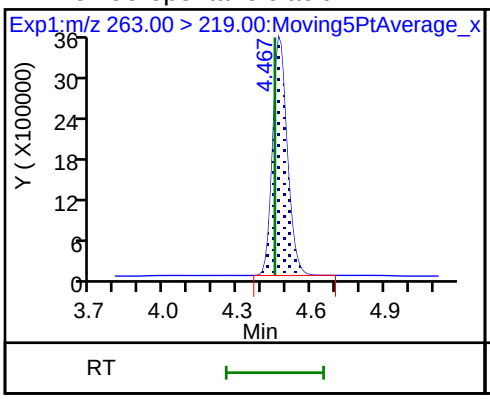


7 Perfluoropentanoic acid



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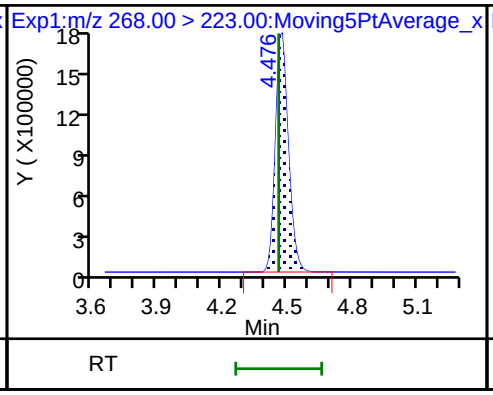
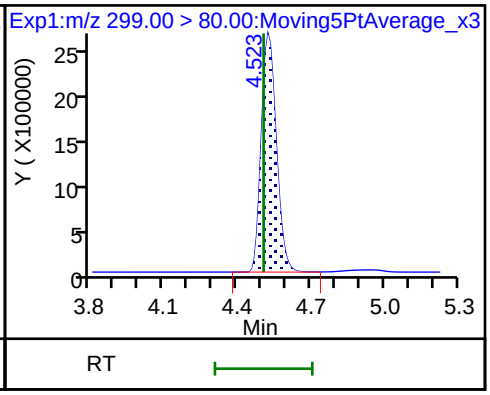
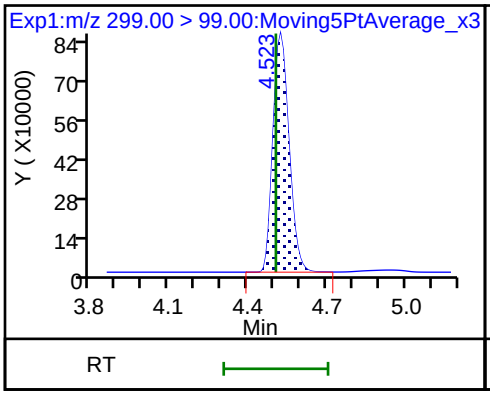


10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



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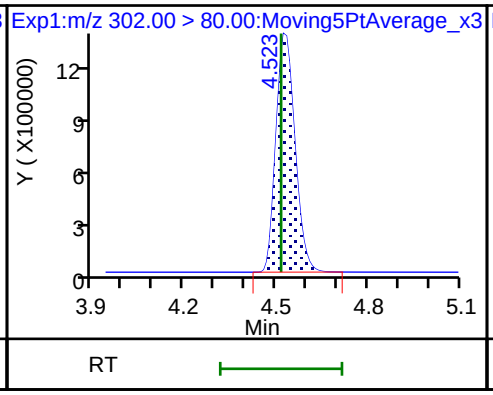

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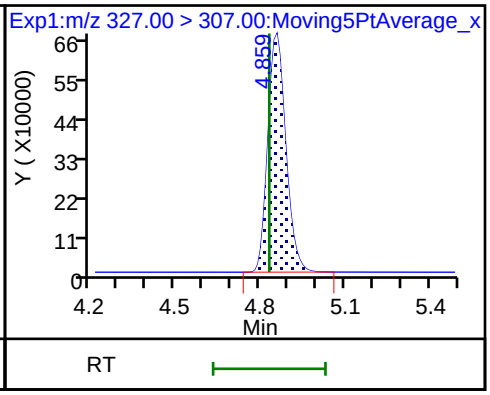

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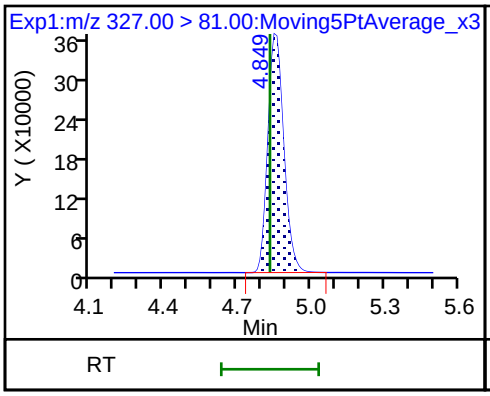

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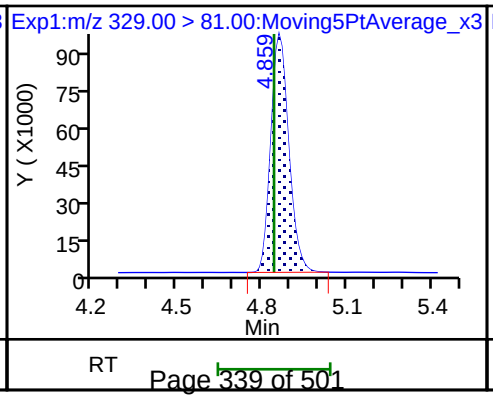
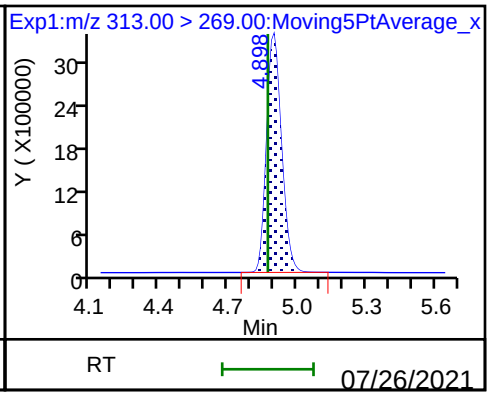
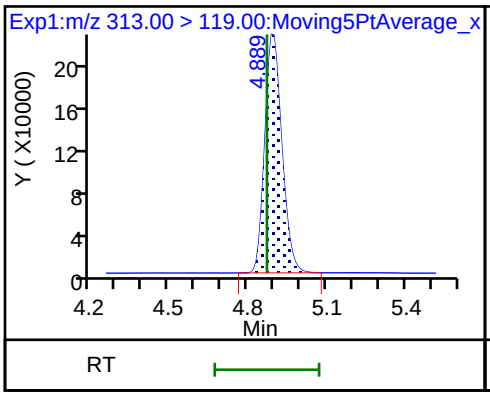


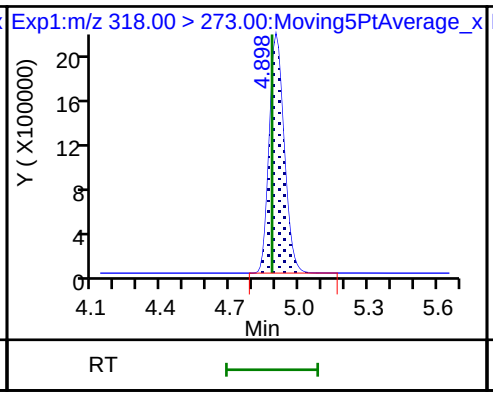
17 Perfluorohexanoic acid



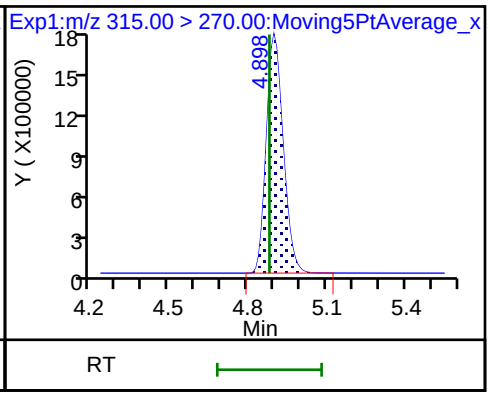
17 Perfluorohexanoic acid



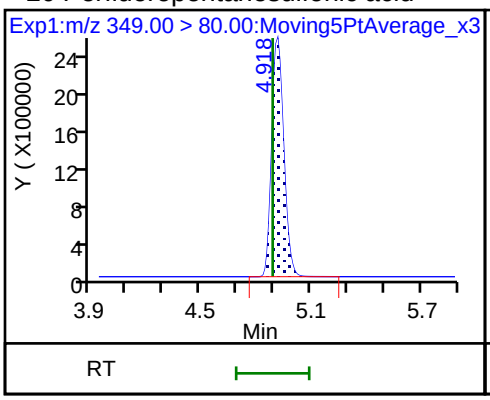
D 19 13C5 PFHxA



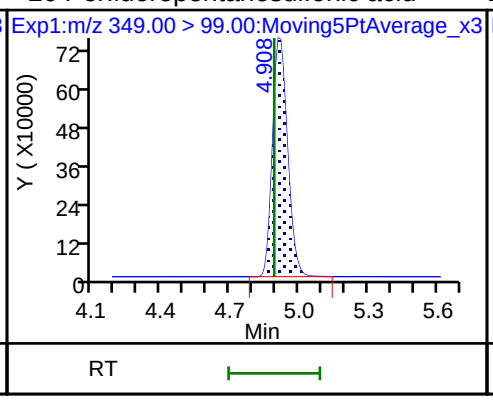
$ 18 13C2 PFHxA



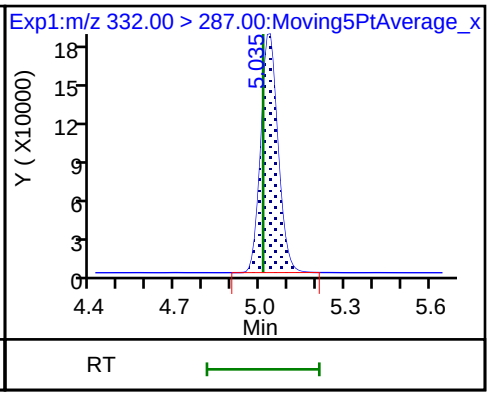
20 Perfluoropentanesulfonic acid



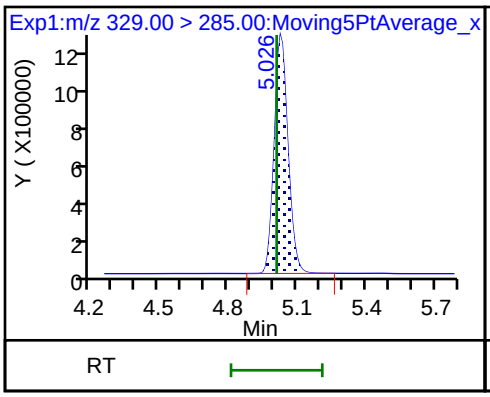
20 Perfluoropentanesulfonic acid



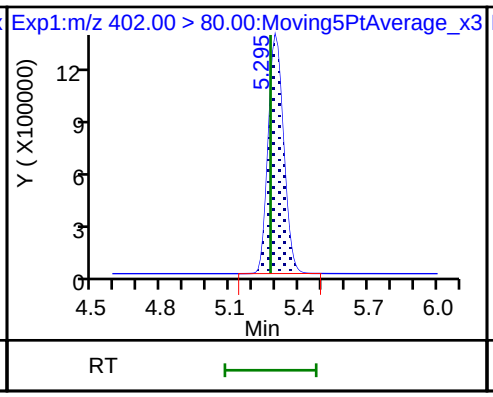
D 22 13C3 HFPO-DA



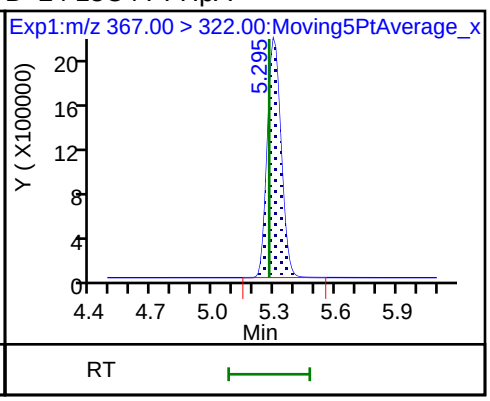
21 HFPO-DA



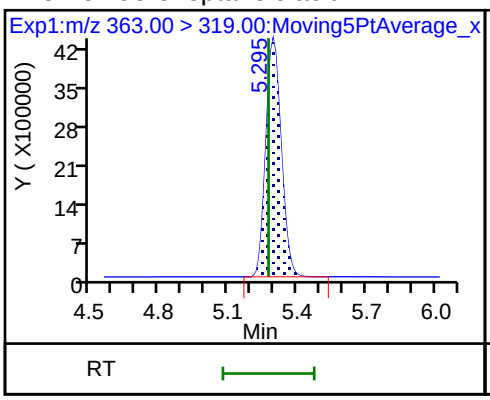
D 25 13C3 PFHxS



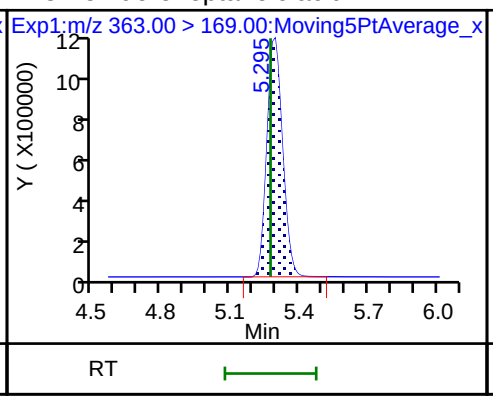
D 24 13C4 PFHpA



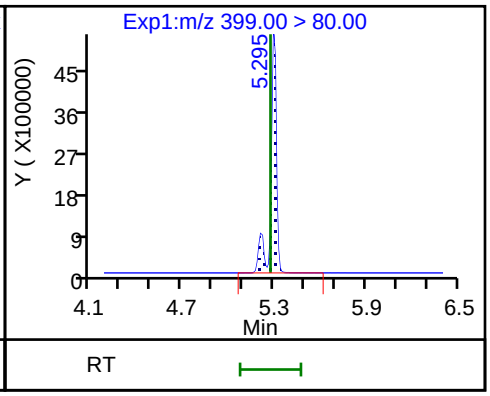
23 Perfluoroheptanoic acid



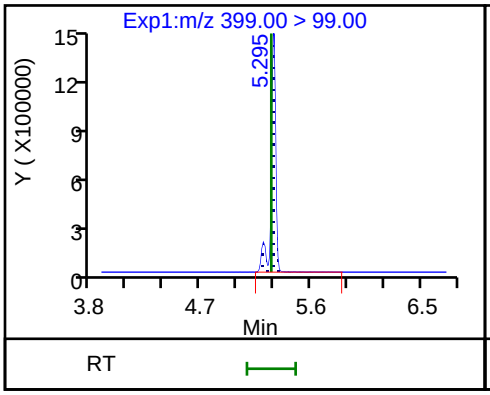
23 Perfluoroheptanoic acid



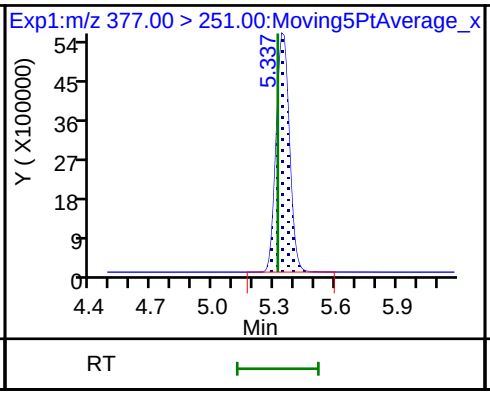
26 Perfluorohexanesulfonic acid



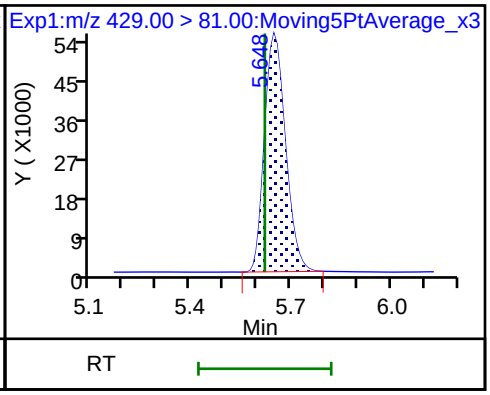
26 Perfluorohexanesulfonic acid



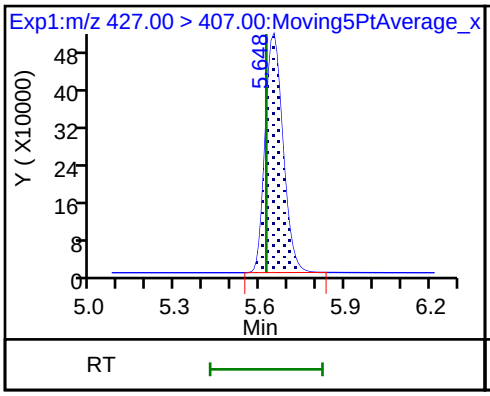
27 DONA



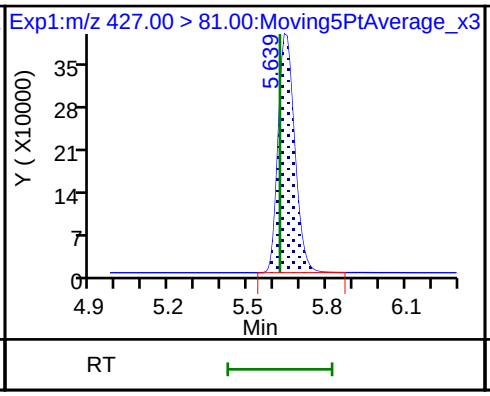
D 35 M2-6:2 FTS



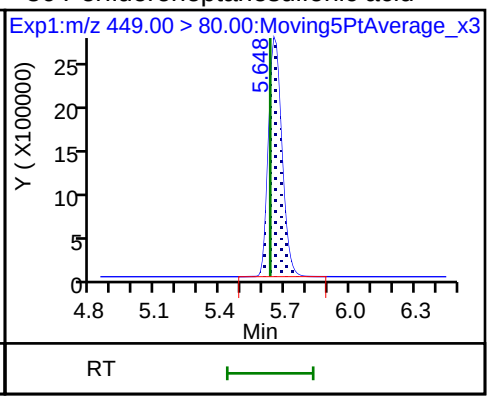
34 6:2 FTS



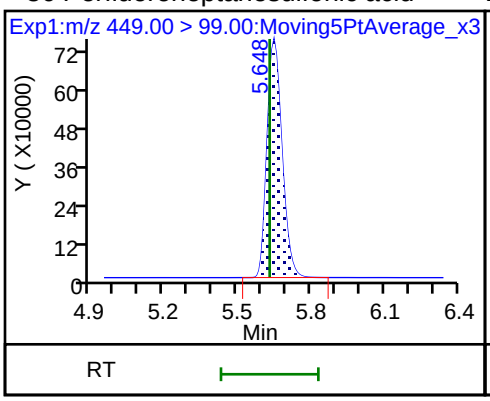
34 6:2 FTS



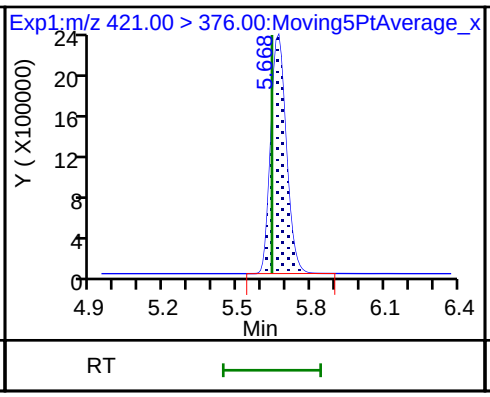
36 Perfluoroheptanesulfonic acid



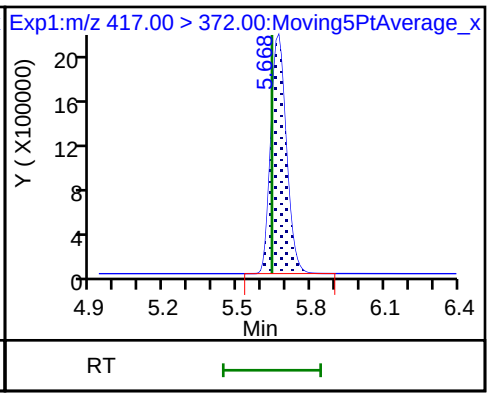
36 Perfluoroheptanesulfonic acid



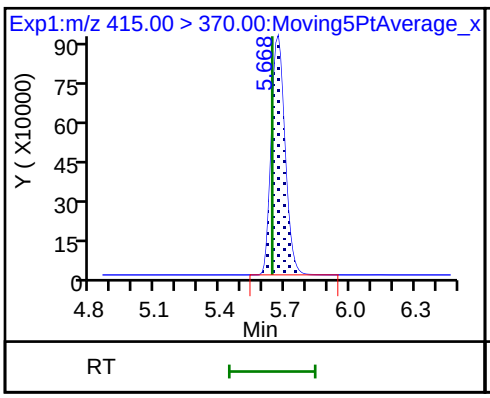
D 37 13C8 PFOA



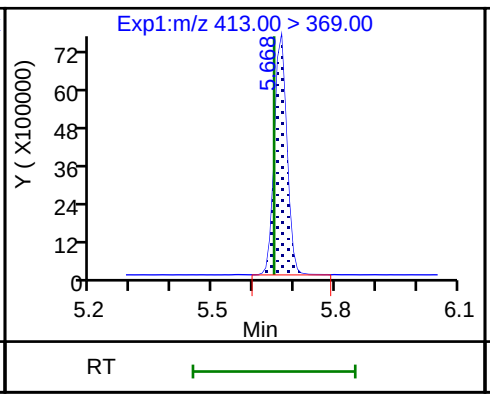
$ 39 13C4 PFOA



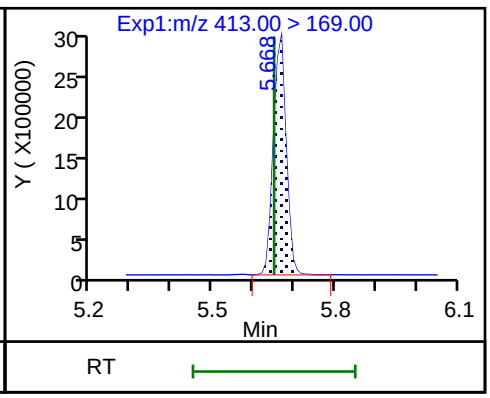
* 38 13C2 PFOA



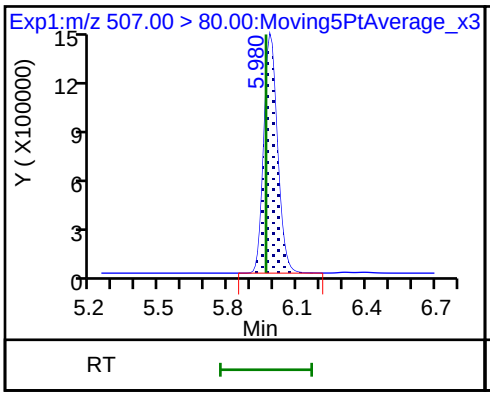
40 Perfluorooctanoic acid



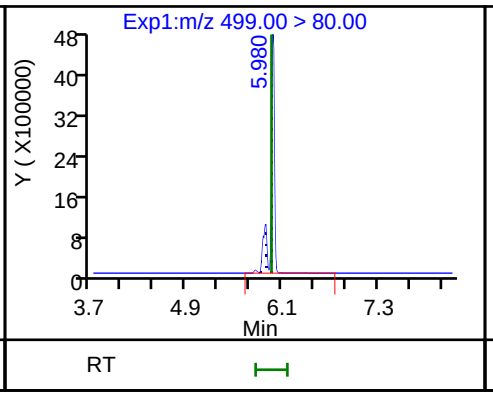
40 Perfluorooctanoic acid



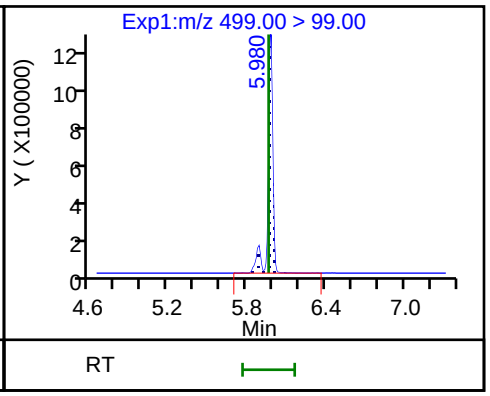
D 41 13C8 PFOS



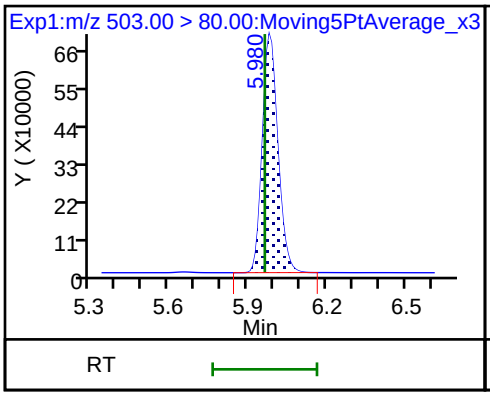
43 Perfluorooctanesulfonic acid



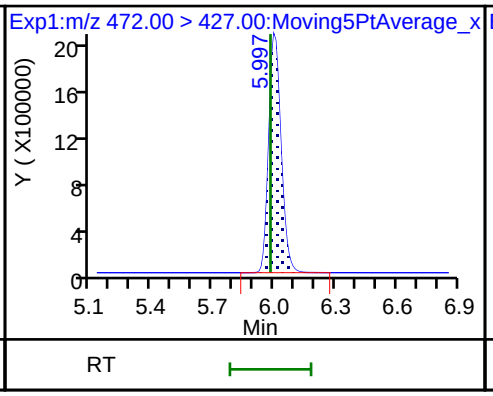
43 Perfluorooctanesulfonic acid



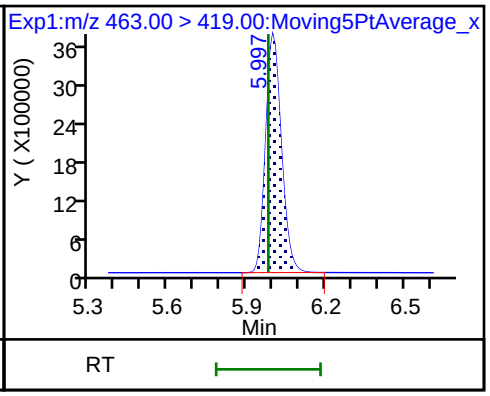
* 42 13C4 PFOS



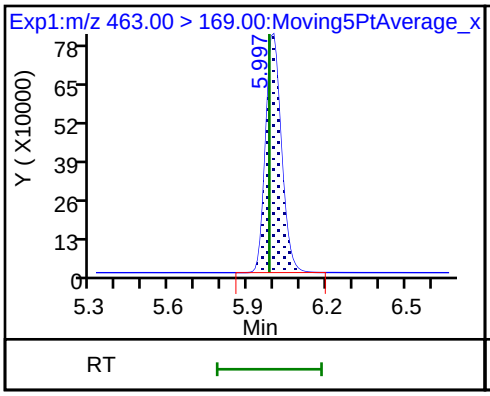
D 45 13C9 PFNA



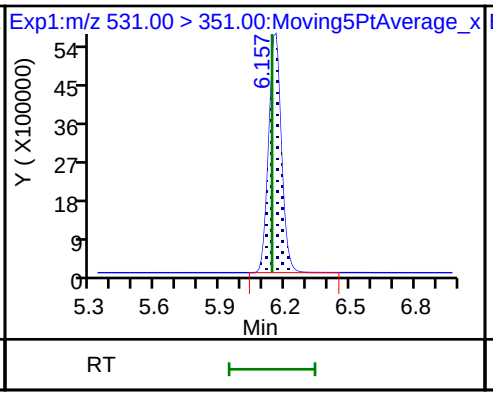
44 Perfluorononanoic acid



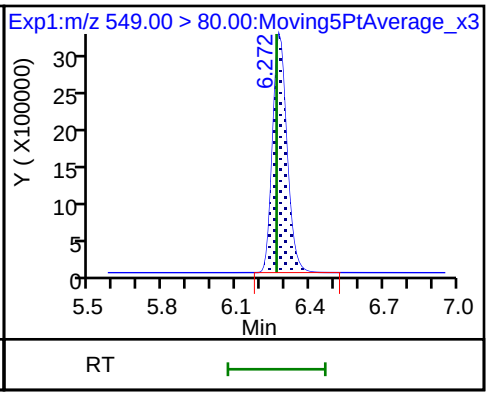
44 Perfluorononanoic acid



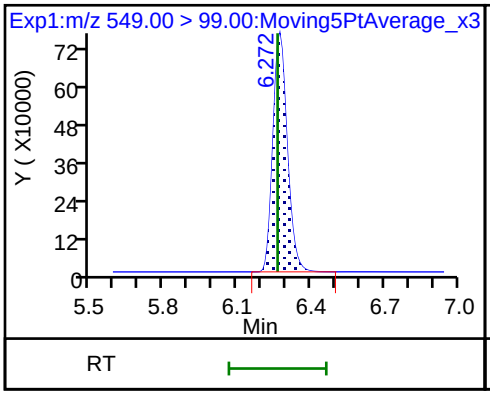
51 9ClFOS



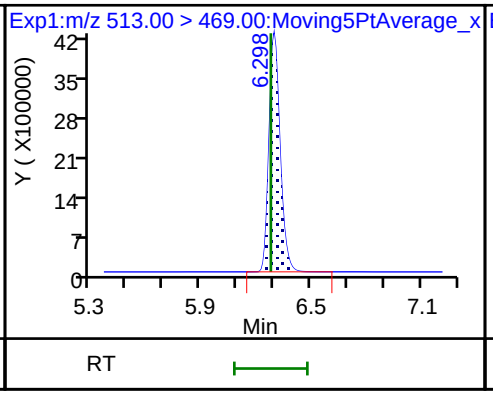
52 Perfluorononanesulfonic acid



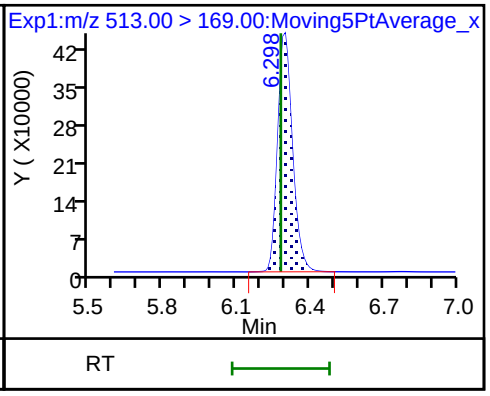
52 Perfluorononanesulfonic acid



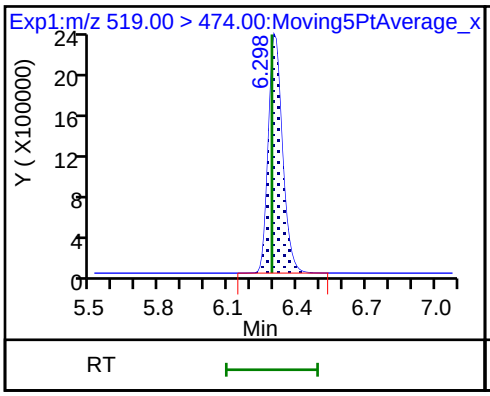
53 Perfluorodecanoic acid



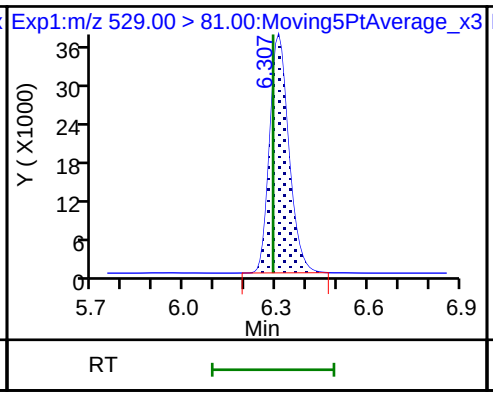
53 Perfluorodecanoic acid



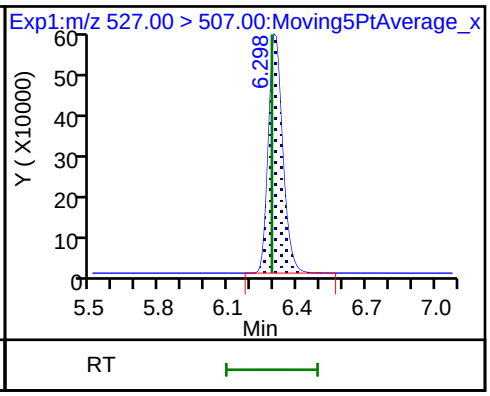
D 54 13C6 PFDA



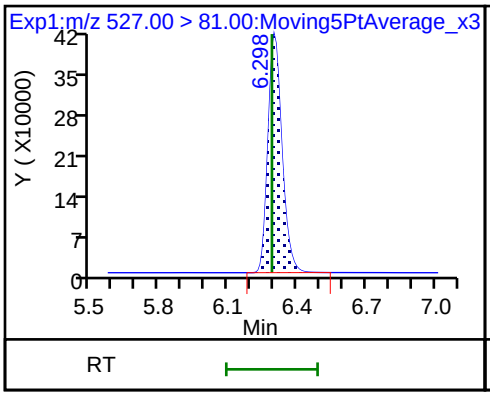
D 57 M2-8:2 FTS



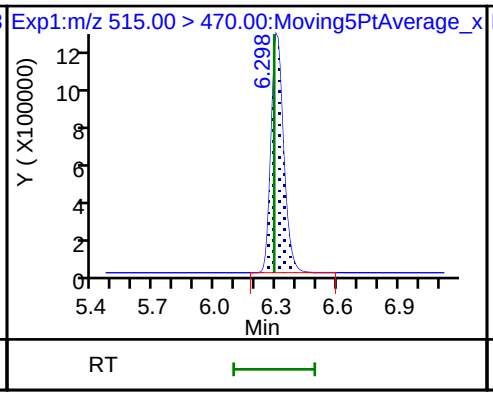
56 8:2 FTS



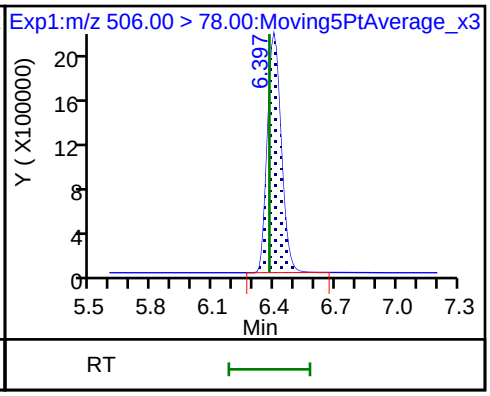
56 8:2 FTS



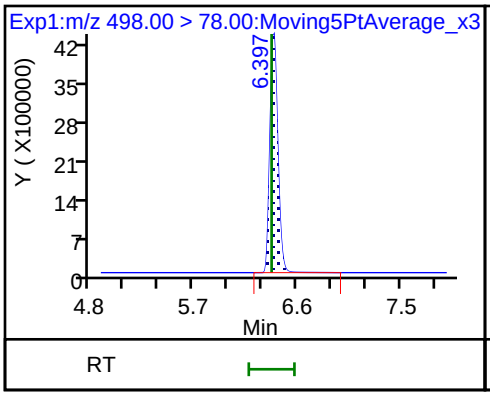
* 55 13C2 PFDA



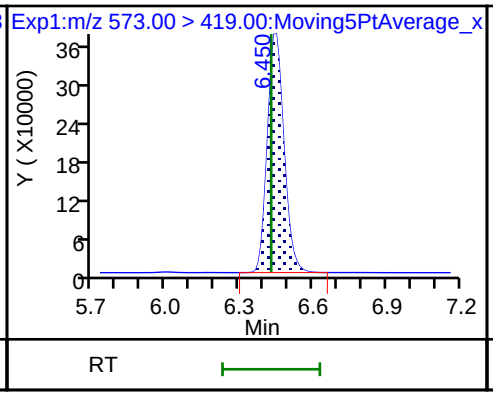
D 59 13C8 FOSA



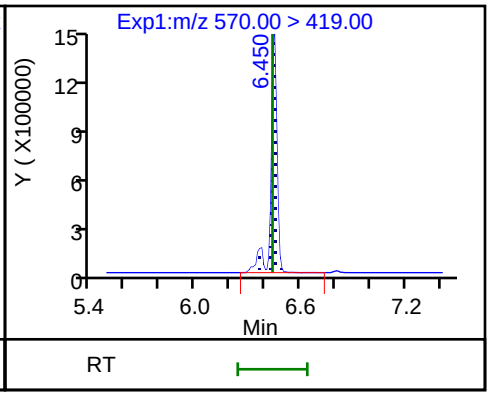
58 Perfluorooctanesulfonamide



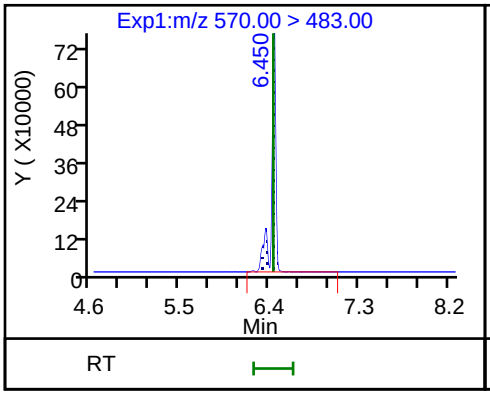
D 61 d3-NMeFOSAA



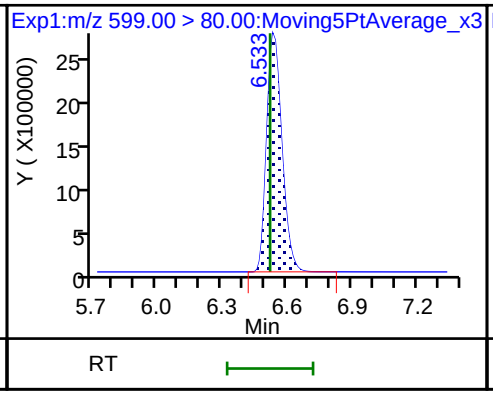
60 NMeFOSAA



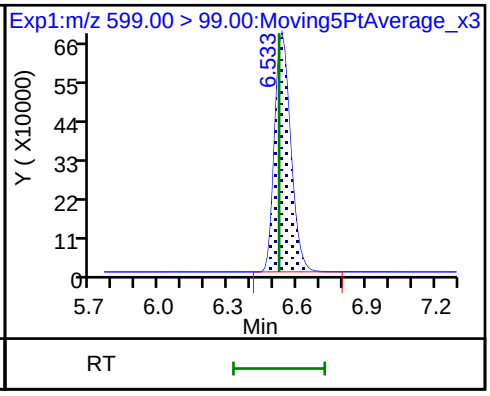
60 NMeFOSAA



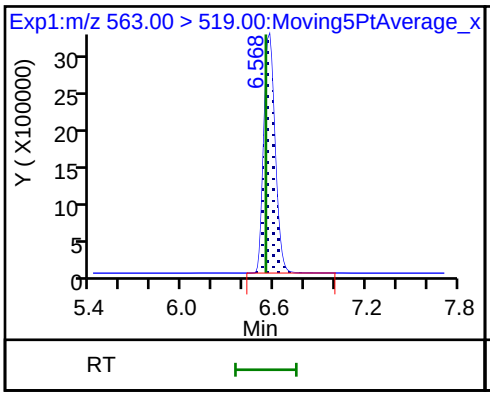
62 Perfluorodecanesulfonic acid



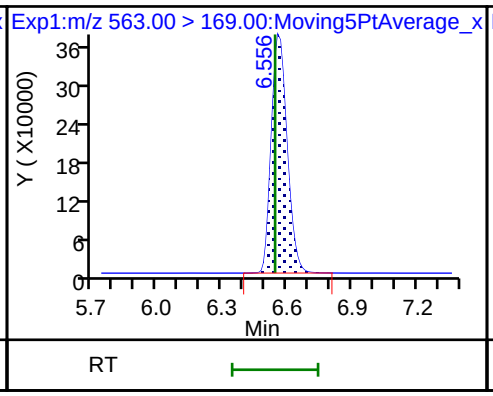
62 Perfluorodecanesulfonic acid



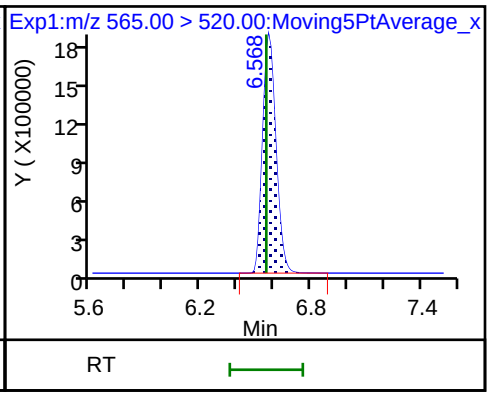
63 Perfluoroundecanoic acid



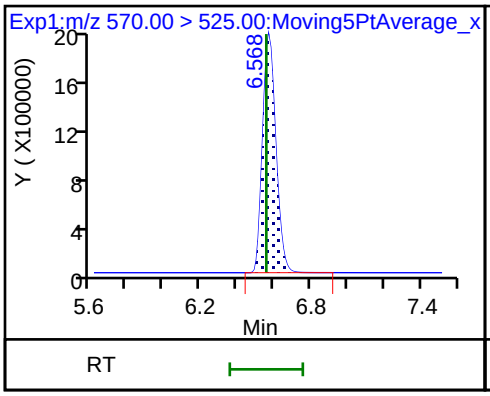
63 Perfluoroundecanoic acid



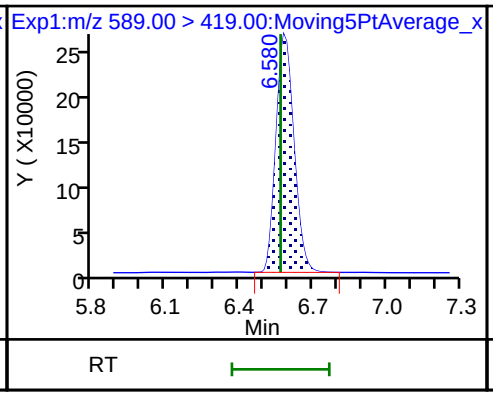
$ 64 13C2 PFUnA



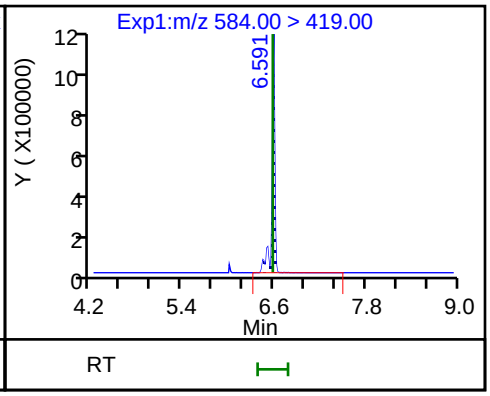
D 65 13C7 PFUnA



D 66 d5-NEtFOSAA



67 NEtFOSAA



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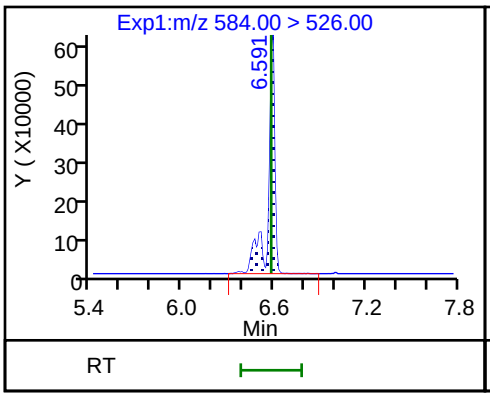
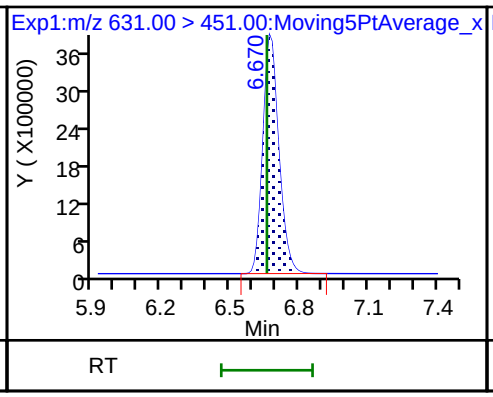
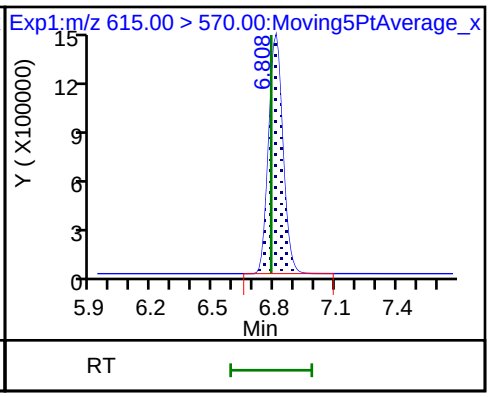


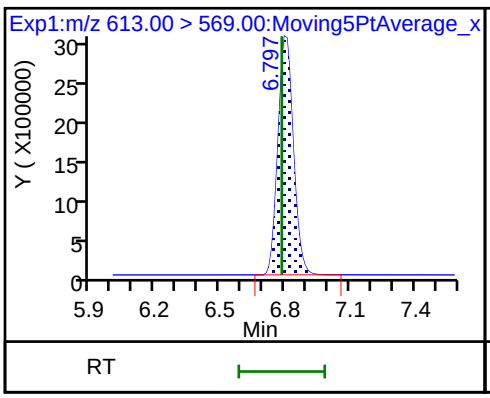
69 11ClFOS



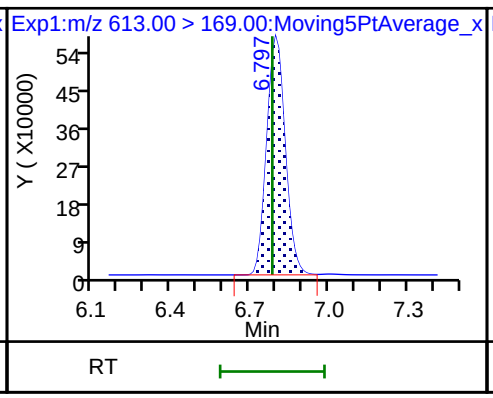
D 74 13C2-PFDoDA



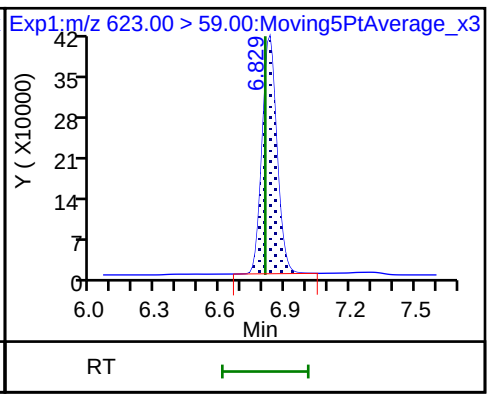
73 Perfluorododecanoic acid



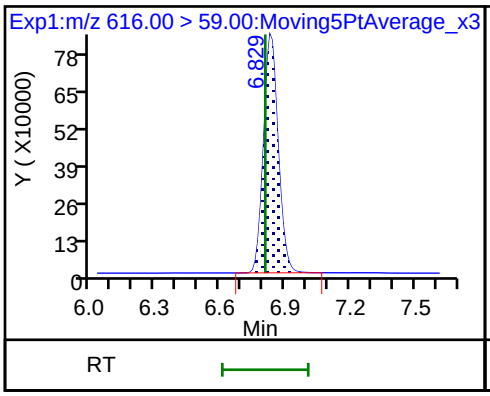
73 Perfluorododecanoic acid



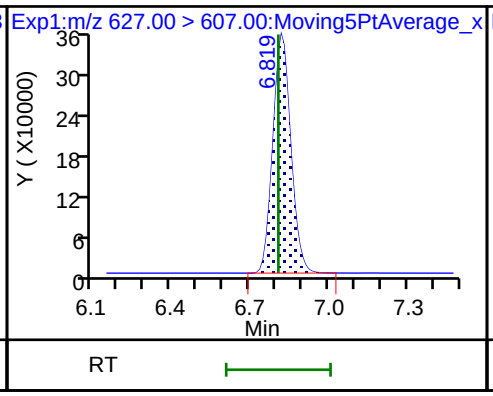
D 76 d7-N-MeFOSE-M



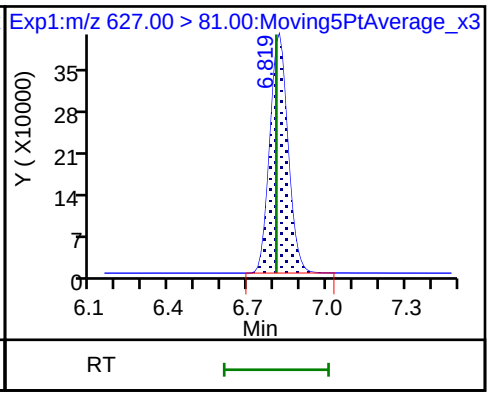
77 N-MeFOSE-M



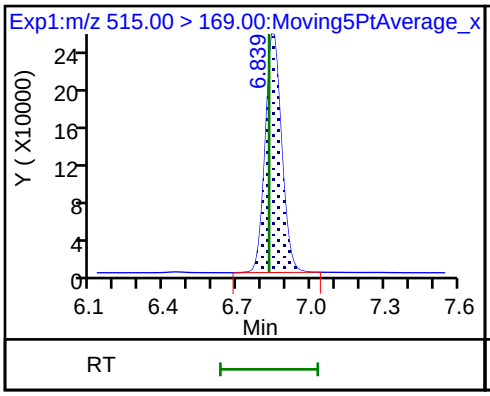
75 10:2 FTS



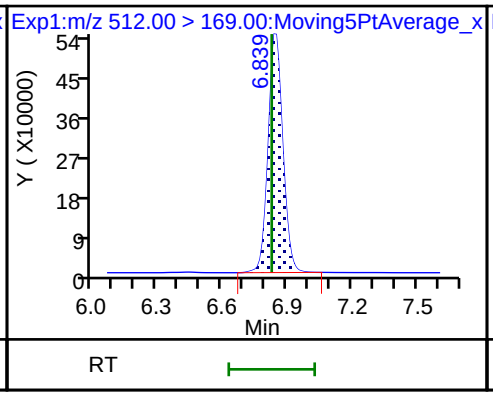
75 10:2 FTS



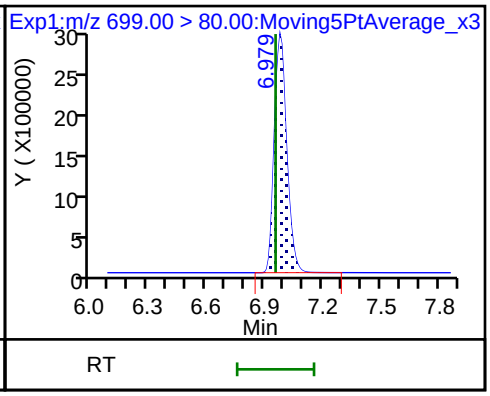
D 79 d3-NMePFOSA



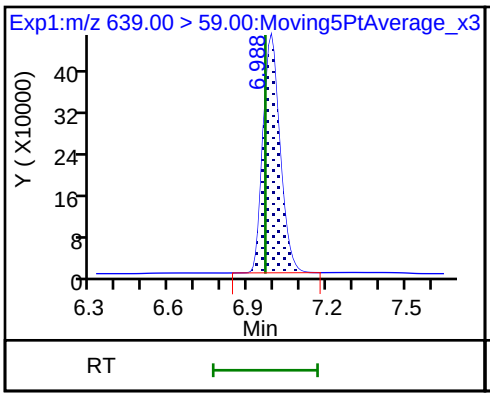
78 NMeFOSA



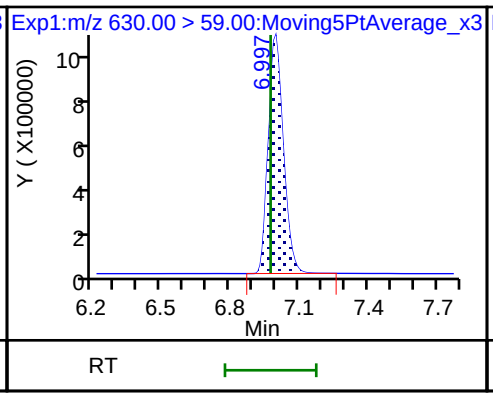
80 PFDoS



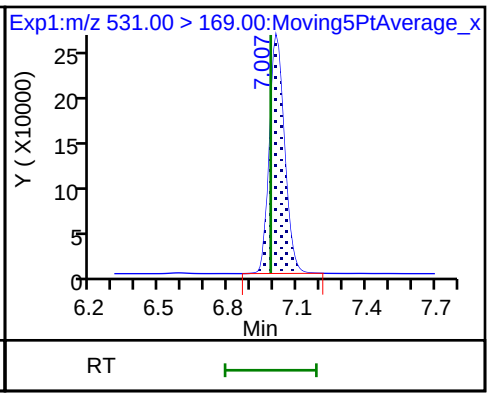
D 81 d9-N-EtFOSE-M



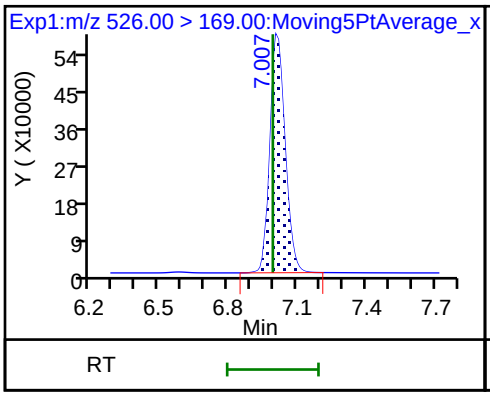
82 N-EtFOSE-M



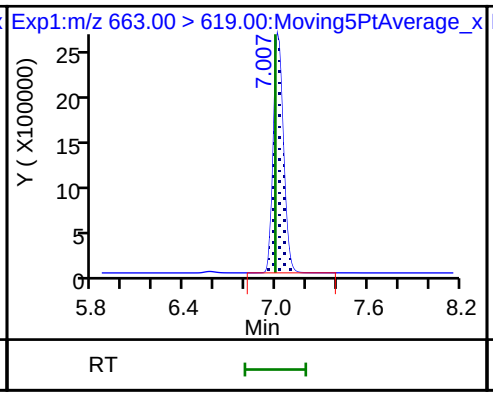
D 83 d5-NEtPFOSA



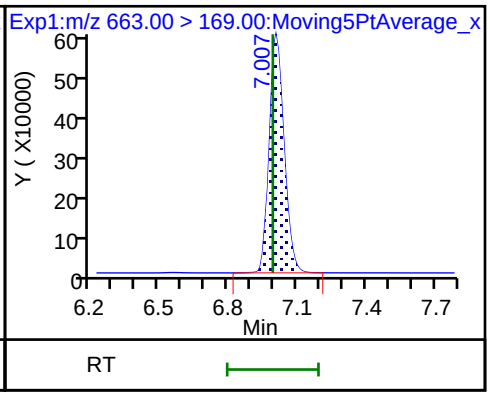
84 N-EtFOSA-M



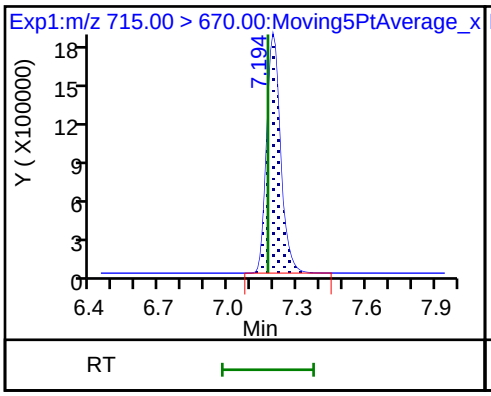
85 Perfluorotridecanoic acid



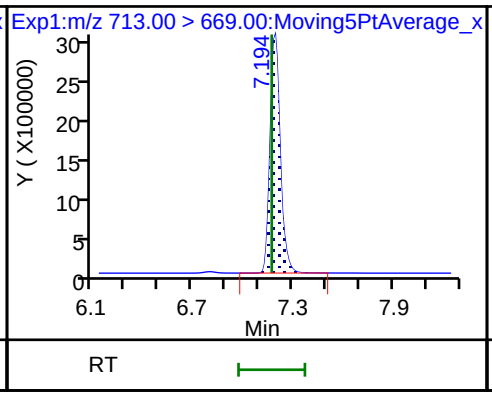
85 Perfluorotridecanoic acid



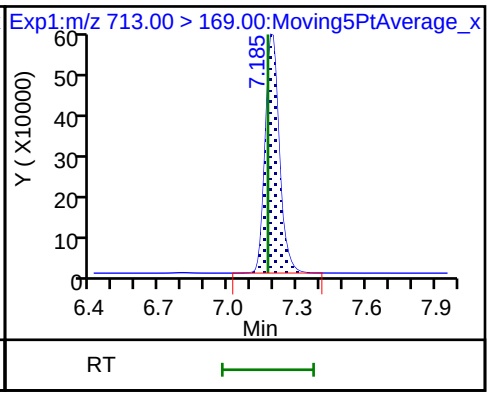
D 87 13C2 PFTeDA



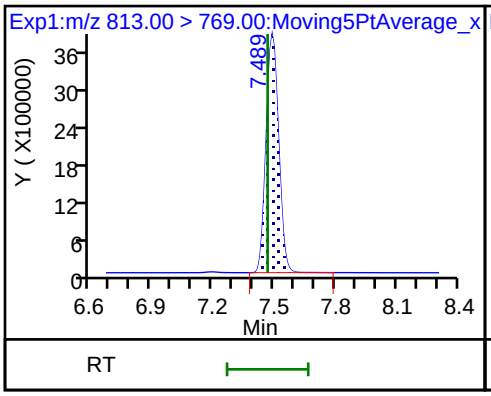
86 Perfluorotetradecanoic acid



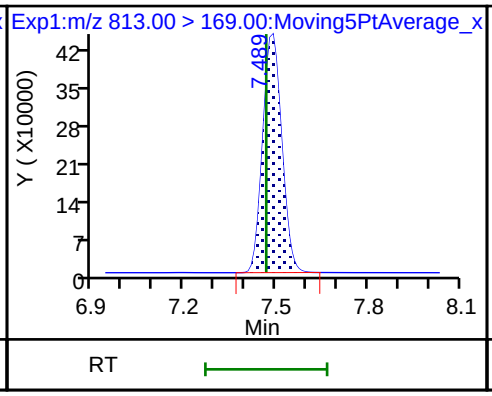
86 Perfluorotetradecanoic acid



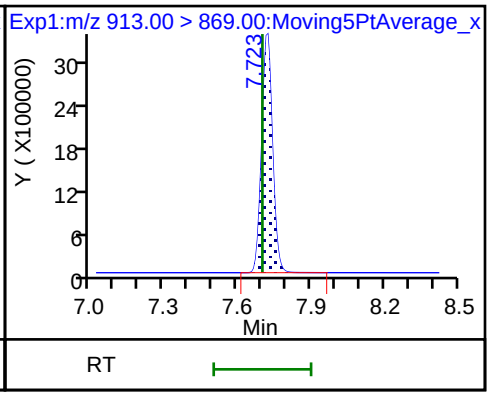
88 Perfluorohexadecanoic acid



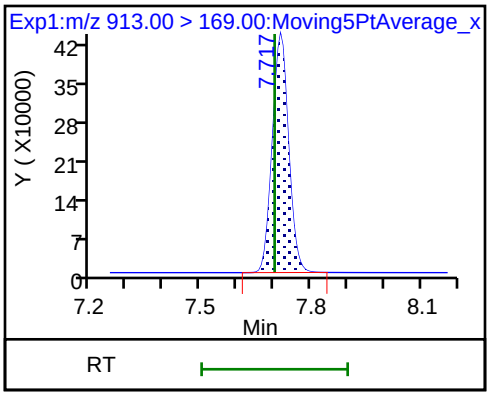
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151710/115 Calibration Date: 07/23/2021 01:47

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL22-43.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid	LID1F		0.8866		20.6	20.0	2.8	30.0
Perfluoropentanoic acid	LID1F		1.027		21.7	20.0	8.7	30.0
Perfluorobutanesulfonic acid	LID1F		1.015		17.5	17.7	-1.3	30.0
4:2 Fluorotelomer sulfonic acid	LID1F		3.656		20.4	18.7	9.0	30.0
Perfluorohexanoic acid	LID1F		0.7820		20.7	20.0	3.6	30.0
Perfluoropentanesulfonic acid	LID1F		1.071		21.0	18.8	12.1	30.0
HFPODA	LID1F		3.346		21.4	20.0	7.0	30.0
Perfluoroheptanoic acid	LID1F		1.021		19.8	20.0	-1.1	30.0
Perfluorohexanesulfonic acid	LID1F		1.040		19.3	18.2	6.0	30.0
DONA	LID1F		1.313		18.6	18.9	-1.8	30.0
6:2 Fluorotelomer sulfonic acid	LID1F		5.169		20.8	19.0	9.7	30.0
Perfluoroheptanesulfonic acid	LID1F		0.9842		21.0	19.0	10.3	30.0
Perfluorooctanoic acid	LID1F		0.8392		22.5	20.0	12.3	30.0
Perfluorooctanesulfonic acid	LID1F		1.099		18.6	18.5	0.5	30.0
Perfluorononanoic acid	LID1F		0.8877		20.6	20.0	3.1	30.0
9Cl-PF3ONS	LID1F		1.839		17.5	18.6	-5.7	30.0
Perfluorononanesulfonic acid	LID1F		1.034		19.8	19.2	3.1	30.0
8:2 Fluorotelomer sulfonic acid	LID1F		7.970		21.7	19.2	13.4	30.0
Perfluorodecanoic acid	LID1F		0.9152		21.0	20.0	4.9	30.0
Perfluorooctanesulfonamide	LID1F		1.068		21.6	20.0	7.8	30.0
NMeFOSAA	LID1F		0.9681		21.7	20.0	8.4	30.0
Perfluorodecanesulfonic acid	LID1F		1.112		19.0	19.3	-1.3	30.0
Perfluoroundecanoic acid	LID1F		0.8950		21.7	20.0	8.4	30.0
NEtFOSAA	LID1F		0.9458		19.8	20.0	-1.1	30.0
11Cl-PF3OUdS	LID1F		1.486		17.6	18.6	-5.2	30.0
Perfluorododecanoic acid	LID1F		1.063		21.2	20.0	6.1	30.0
10:2 FTS	LID1F		4.916		18.8	19.3	-2.4	30.0
NMeFOSE	LID1F		1.048		19.9	20.0	-0.3	30.0
NMeFOSA	LID1F		1.111		22.2	20.0	11.1	30.0
Perfluorododecanesulfonic acid	LID1F		1.153		20.9	19.4	7.9	30.0
NEtFOSE	LID1F		1.175		21.6	20.0	7.8	30.0
NEtFOSA	LID1F		1.096		20.5	20.0	2.5	30.0
Perfluorotridecanoic acid	LID1F		0.8638		21.9	20.0	9.2	30.0
Perfluorotetradecanoic acid	LID1F		0.9009		21.4	20.0	6.9	30.0
Perfluorohexadecanoic acid	LID1F		1.100		20.5	20.0	2.3	30.0
Perfluorooctadecanoic acid	LID1F		0.6352		19.7	20.0	-1.4	30.0
13C4 PFBA	Ave	1.124	1.115		9.92	10.0	-0.8	30.0
13C5 PFPeA	Ave	1.039	1.012		9.74	10.0	-2.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151710/115 Calibration Date: 07/23/2021 01:47

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL22-43.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
13C3 PFBS	Ave	0.8735	0.8276		8.81	9.30	-5.3	30.0
M2-4:2 FTS	Ave	0.0600	0.0595		9.25	9.34	-0.9	30.0
13C5 PFHxA	Ave	1.228	1.210		9.86	10.0	-1.4	30.0
13C3 HFPO-DA	Ave	0.1132	0.0986		8.71	10.0	-12.9	30.0
13C3 PFHxS	Ave	0.8656	0.7937		8.68	9.46	-8.3	30.0
13C4 PFHpA	Ave	1.259	1.239		9.85	10.0	-1.5	30.0
M2-6:2 FTS	Ave	0.0333	0.0338		9.65	9.50	1.6	30.0
13C8 PFOA	Ave	1.365	1.269		9.29	10.0	-7.1	30.0
13C8 PFOS	Ave	1.033	1.034		9.57	9.56	0.1	30.0
13C9 PFNA	Ave	1.435	1.490		10.4	10.0	3.9	30.0
13C6 PFDA	Ave	0.9505	0.9155		9.63	10.0	-3.7	30.0
M2-8:2 FTS	Ave	0.0162	0.0170		10.0	9.58	4.7	30.0
13C8 FOSA	Ave	0.9399	0.9329		9.93	10.0	-0.7	30.0
d3-NMeFOSAA	Ave	0.1726	0.1620		9.39	10.0	-6.1	30.0
13C7 PFUnA	Ave	0.9053	0.8411		9.29	10.0	-7.1	30.0
d5-NEtFOSAA	Ave	0.1331	0.1235		9.27	10.0	-7.3	30.0
13C2-PFDoDA	Ave	0.6941	0.6341		9.14	10.0	-8.6	30.0
d7-N-MeFOSE-M	Ave	0.1826	0.1680		9.20	10.0	-8.0	30.0
d3-NMePFOSA	Ave	0.1168	0.1082		9.26	10.0	-7.4	30.0
d9-N-EtFOSE-M	Ave	0.1986	0.1852		9.33	10.0	-6.7	30.0
d5-NEtPFOSA	Ave	0.1120	0.1115		9.95	10.0	-0.5	30.0
13C2 PFTeDA	Ave	0.7341	0.6872		9.36	10.0	-6.4	30.0
13C2 PFHxA	Lin1F		0.9624		10.1	10.0	0.7	30.0
13C4 PFOA	Lin1F		1.217		9.64	10.0	-3.6	30.0
13C2 PFUnA	Lin1F		1.106		9.53	10.0	-4.7	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-43.d
Lims ID: CCV 7_CAL5
Client ID:
Sample Type: CCV
Inject. Date: 23-Jul-2021 01:47:18 ALS Bottle#: 20006 Worklist Smp#: 115
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: CCV 7_CAL5
Misc. Info.: Plate: 4 Rack: 1 410-0035007-115
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 10:11:03 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: kruelleh Date: 23-Jul-2021 08:47:44
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.930	3.938	-0.008	1.000	7758159	9.92		99.2	287290	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.923	3.938	-0.015	0.998	13756968	20.6		103	69128	
* 4 13C3-PFBA										
216.00 > 172.00	3.930	3.940	-0.010		3478844	5.00			37842	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.459	4.471	-0.012	0.998	14460610	21.7		109	18843	
D 8 13C5 PFPeA										
268.00 > 223.00	4.467	4.475	-0.008	1.137	7041517	9.74		97.4	190187	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.513	4.525	-0.012	0.998	10346667	17.5	Target=3.13	98.7	15361	
299.00 > 99.00	4.513	4.525	-0.012	0.998	3344075		3.09(1.57-4.70)		13303	
D 11 13C3 PFBS										
302.00 > 80.00	4.523	4.528	-0.005	1.151	5355208	8.81		94.7	209444	
15 4:2 FTS										
327.00 > 307.00	4.849	4.853	-0.004	1.000	3039395	20.4	Target=1.61	109	138357	
327.00 > 81.00	4.839	4.853	-0.014	0.998	1736410		1.75(0.81-2.42)		65210	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.849	4.858	-0.009	0.859	415664	9.25		99.1	19029	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.888	4.891	-0.003	1.000	14163405	20.7	Target=14.88	104	67041	
313.00 > 119.00	4.879	4.891	-0.012	0.998	994907		14.24(7.44-22.32)		27795	
D 19 13C5 PFHxA										
318.00 > 273.00	4.888	4.896	-0.008	0.865	9055813	9.86		98.6	203175	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.888	4.898	-0.010	0.865	7203822	10.1		101	231673	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.908	4.911	-0.003	1.085	11568019	21.0	Target=3.52	112	368151	
349.00 > 99.00	4.898	4.911	-0.013	1.083	3262618		3.55(1.76-5.28)		145172	
21 HFPO-DA										
329.00 > 285.00	5.017	5.025	-0.008	1.000	4938575	21.4		107	39083	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.017	5.027	-0.010	0.888	738019	8.71		87.1	58729	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.284	5.286	-0.002	1.000	18948819	19.8	Target=3.85	98.9	117467	
363.00 > 169.00	5.274	5.286	-0.012	0.998	4913919		3.86(1.93-5.78)		129442	
D 25 13C3 PFHxS										
402.00 > 80.00	5.284	5.289	-0.005	0.936	5620468	8.67		91.7	240121	
D 24 13C4 PFHpA										
367.00 > 322.00	5.284	5.292	-0.008	0.936	9276786	9.85		98.5	219644	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.284	5.292	-0.008	1.000	11266918	19.3	Target=3.51	106	1536899	
399.00 > 99.00	5.284	5.292	-0.008	1.000	3081255		3.66(1.75-5.26)		6386	
27 DONA										
377.00 > 251.00	5.327	5.336	-0.009	1.008	23015312	18.6		98.2	203671	
34 6:2 FTS										
427.00 > 407.00	5.630	5.638	-0.008	1.000	2481068	20.8	Target=1.43	110	115530	
427.00 > 81.00	5.630	5.638	-0.008	1.000	1774731		1.40(0.72-2.15)		83677	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.630	5.640	-0.010	0.997	240510	9.65		102	18401	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.639	5.642	-0.003	1.067	11133352	21.0	Target=3.86	110	291402	
449.00 > 99.00	5.630	5.642	-0.012	1.065	2931094		3.80(1.93-5.79)		138141	
D 37 13C8 PFOA										
421.00 > 376.00	5.648	5.656	-0.008	1.000	9497930	9.29		92.9	218764	
$ 39 13C4 PFOA										
417.00 > 372.00	5.648	5.656	-0.008	1.000	9106453	9.64		96.4	232527	
* 38 13C2 PFOA										
415.00 > 370.00	5.648	5.656	-0.008		3742606	5.00			144120	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.648	5.659	-0.011	1.000	15940867	22.5	Target=2.48	112	364635	
413.00 > 169.00	5.648	5.659	-0.011	1.000	6158663		2.59(1.24-3.72)		374325	
D 41 13C8 PFOS										
507.00 > 80.00	5.971	5.975	-0.004	1.000	5794764	9.57		100	40419	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.971	5.977	-0.006	1.000	12328133	18.6	Target=4.45	101	27961	
499.00 > 99.00	5.971	5.977	-0.006	1.000	2656122		4.64(2.23-6.68)		2828	
* 42 13C4 PFOS										
503.00 > 80.00	5.971	5.977	-0.006		2803563	4.78			57097	
44 Perfluorononanoic acid										
463.00 > 419.00	5.989	5.990	-0.002	1.000	15506817	20.6	Target=4.83	103	104898	
463.00 > 169.00	5.989	5.990	-0.002	1.000	3331362		4.65(2.42-7.25)		161953	
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.994	-0.006	1.003	8734667	10.4		104	264717	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.148	6.147	0.001	1.030	20727905	17.5		94.3	515087	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.270	0.002	1.050	12037238	19.8	Target=4.19	103	330355	
549.00 > 99.00	6.264	6.270	-0.006	1.049	3006519		4.00(2.09-6.28)		148093	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.298	6.294	0.004	1.000	17045402	21.0	Target=10.20	105	237334	
513.00 > 169.00	6.290	6.294	-0.004	0.999	1763541		9.67(5.10-15.29)		60569	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.298	0.0	1.000	9312071	9.63		96.3	278567	
56 8:2 FTS										
527.00 > 507.00	6.298	6.298	0.0	1.000	2642310	21.7	Target=1.44	113	125022	
527.00 > 81.00	6.298	6.298	0.0	1.000	1733018		1.52(0.72-2.16)		102273	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.298	0.0		5085733	5.00			303534	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.298	6.303	-0.005	1.000	165776	10.0		105	9678	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.387	6.386	0.001	0.998	20261064	21.6		108	717607	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.392	0.005	1.016	9488544	9.93		99.3	167658	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.440	6.443	-0.003	1.022	1647939	9.39		93.9	50819	
60 NMeFOSAA										
570.00 > 419.00	6.450	6.446	0.004	1.002	3190900	21.7	Target=1.62	108	332850	
570.00 > 483.00	6.440	6.446	-0.006	1.000	1856572		1.72(0.81-2.44)		4766	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.533	6.532	0.001	1.094	12993860	19.0	Target=4.24	98.7	445091	
599.00 > 99.00	6.533	6.532	0.001	1.094	3074580		4.23(2.12-6.36)		126757	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.568	6.564	0.004	1.000	15313660	21.7	Target=8.77	108	88602	
563.00 > 169.00	6.556	6.564	-0.008	0.998	1800731		8.50(4.39-13.16)		90091	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.568	6.567	0.001	1.163	8281893	9.53		95.3	412341	
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.567	0.001	1.043	8555140	9.29		92.9	341330	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.580	6.579	0.001	1.045	1255808	9.27		92.7	20776	
67 NEtFOSAA										
584.00 > 419.00	6.591	6.592	-0.001	1.002	2375569	19.8	Target=1.47	98.9	68315	
584.00 > 526.00	6.580	6.592	-0.012	1.000	1706720		1.39(0.74-2.21)		326459	
69 11ClFOS										
631.00 > 451.00	6.670	6.673	-0.003	1.117	16749350	17.6		94.8	290570	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.797	6.802	-0.005	0.998	13717923	21.2	Target=5.09	106	140439	
613.00 > 169.00	6.797	6.802	-0.005	0.998	2673664		5.13(2.54-7.63)		49572	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.805	0.003	1.081	6449893	9.14		91.4	219813	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
75 10:2 FTS										
627.00 > 607.00	6.819	6.820	-0.001	1.083	1640068	18.8	Target=0.84	97.6	86345	
627.00 > 81.00	6.808	6.820	-0.012	1.081	1934306		0.85(0.42-1.26)		79753	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.819	6.822	-0.003	1.083	1708508	9.20		92.0	6742	
77 N-MeFOSE-M										
616.00 > 59.00	6.829	6.828	0.001	1.002	3580034	19.9		99.7	34706	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.839	6.842	-0.003	1.086	1100099	9.26		92.6	26501	
78 NMeFOSA										
512.00 > 169.00	6.839	6.842	-0.003	1.000	2443487	22.2		111	43764	
80 PFDoS										
699.00 > 80.00	6.974	6.978	-0.004	1.168	13526841	20.9		108	288486	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.984	6.982	0.002	1.109	1884234	9.33		93.3	10543	
82 N-EtFOSE-M										
630.00 > 59.00	6.993	6.991	0.002	1.001	4428528	21.6		108	71749	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.002	7.004	-0.002	1.112	1134310	9.95		99.5	36359	
84 N-EtFOSA-M										
526.00 > 169.00	7.002	7.008	-0.006	1.000	2487139	20.5		103	45962	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.002	7.008	-0.006	1.028	11142751	21.8	Target=4.59	109	50085	
663.00 > 169.00	7.002	7.008	-0.006	1.028	2589828		4.30(2.29-6.88)		97565	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.181	7.189	-0.008	0.999	12594392	21.4	Target=5.25	107	42304	
713.00 > 169.00	7.181	7.189	-0.008	0.999	2381173		5.29(2.62-7.87)		94042	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.190	7.193	-0.003	1.142	6990061	9.36		93.6	277241	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.476	7.487	-0.011	1.040	15375959	20.5	Target=8.75	102	39774	
813.00 > 169.00	7.476	7.487	-0.011	1.040	1802641		8.53(4.38-13.13)		69758	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.716	7.719	-0.003	1.073	8880653	19.7	Target=8.07	98.6	177562	
913.00 > 169.00	7.708	7.719	-0.011	1.072	1149496		7.73(4.04-12.11)		71904	

QC Flag Legend

Processing Flags

Reagents:

PFC_STD_MOD5_00021 Amount Added: 200.00 Units: uL

Report Date: 23-Jul-2021 10:11:05 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-43.d

Injection Date: 23-Jul-2021 01:47:18 Instrument ID: 30733

Lims ID: CCV 7_CAL5

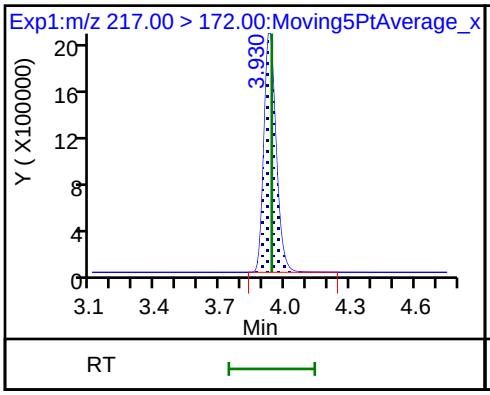
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20006 Worklist Smp#: 115

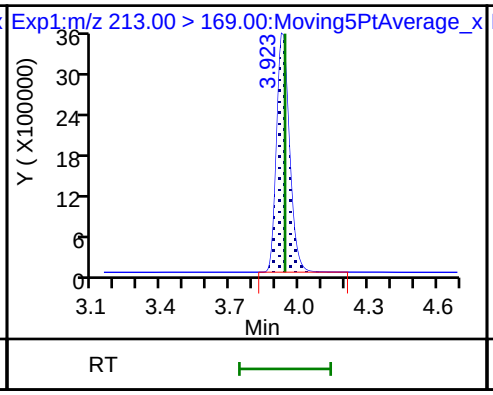
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

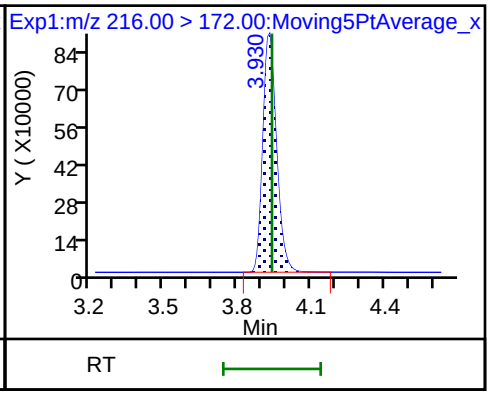
D 3 13C4 PFBA



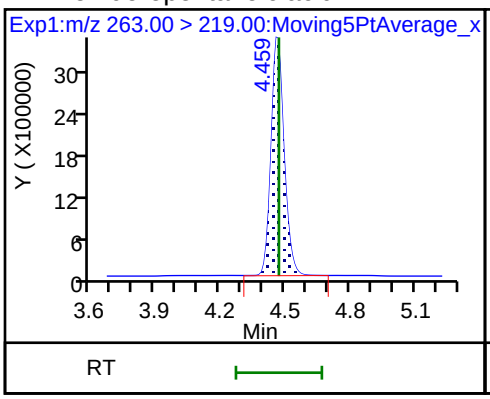
2 Perfluorobutanoic acid



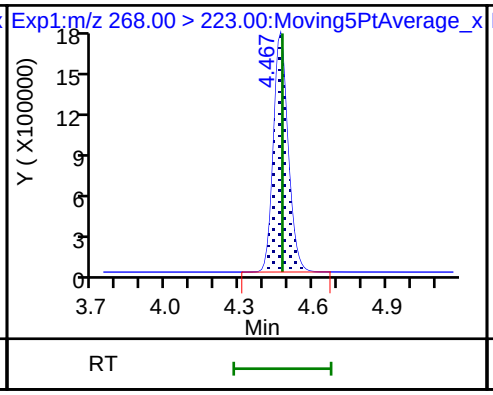
* 4 13C3-PFBA



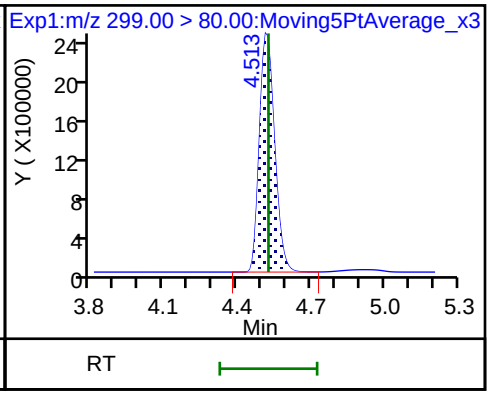
7 Perfluoropentanoic acid



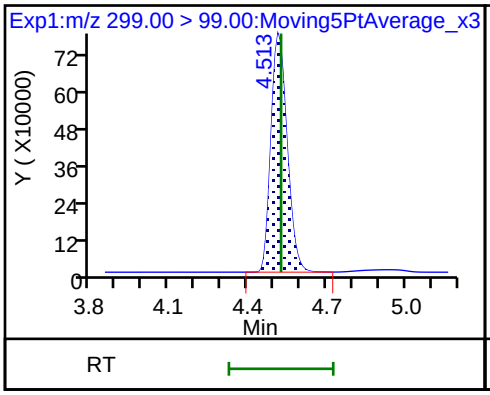
D 8 13C5 PFPeA



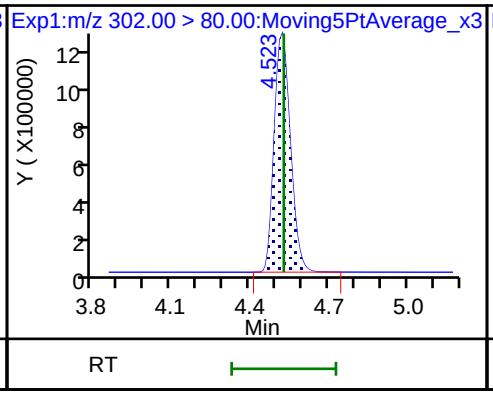
10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



D 11 13C3 PFBS



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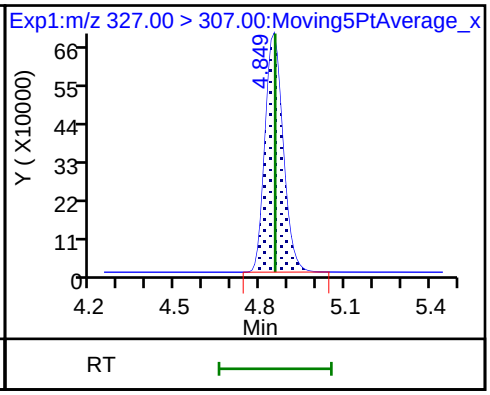

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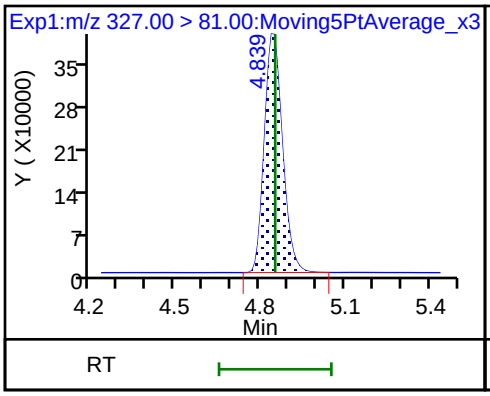
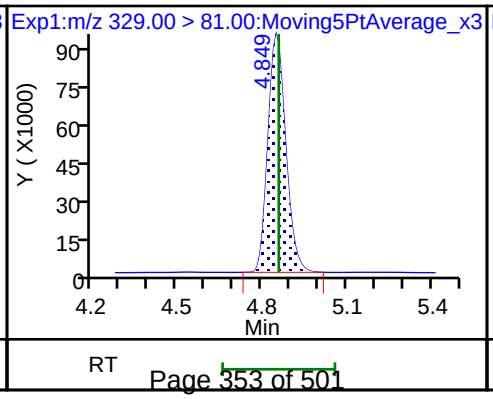
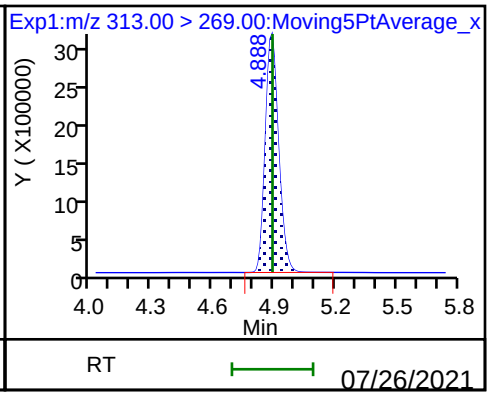


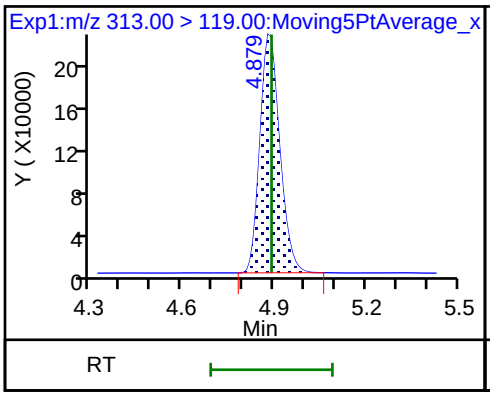
D 16 M2-4:2 FTS



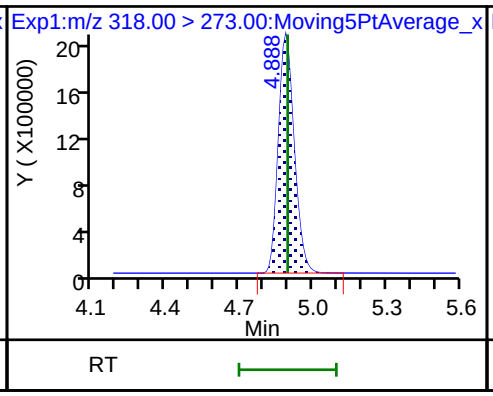
17 Perfluorohexanoic acid



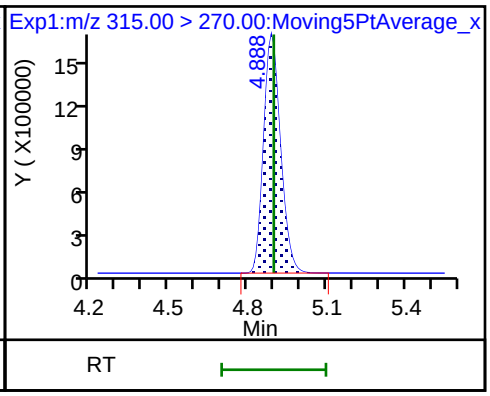
17 Perfluorohexanoic acid



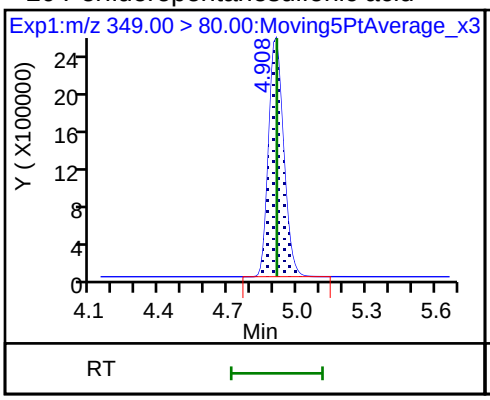
D 19 13C5 PFHxA



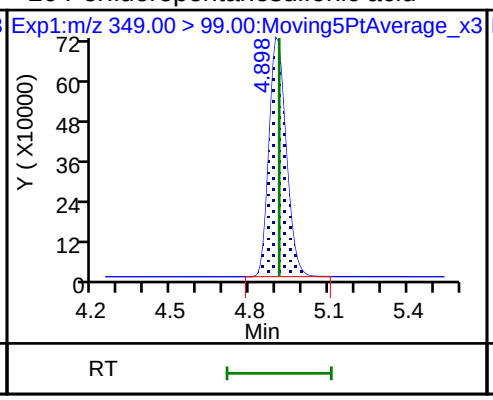
$ 18 13C2 PFHxA



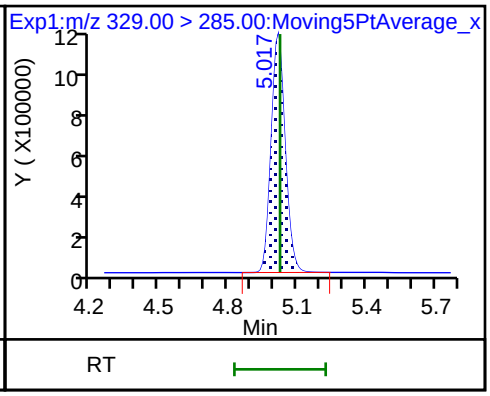
20 Perfluoropentanesulfonic acid



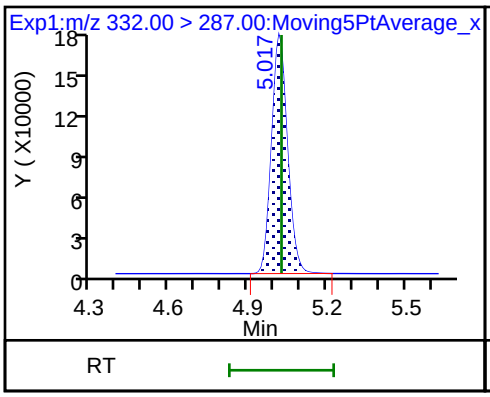
20 Perfluoropentanesulfonic acid



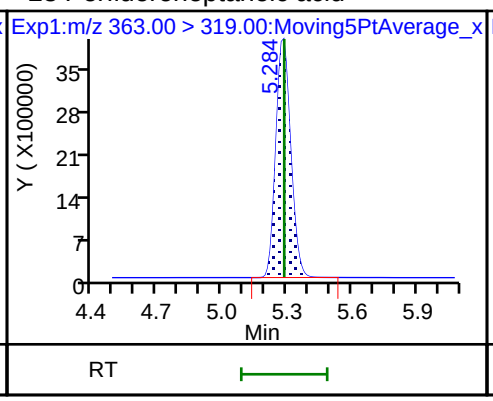
21 HFPO-DA



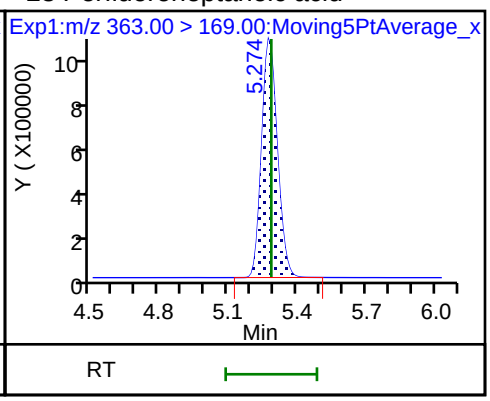
D 22 13C3 HFPO-DA



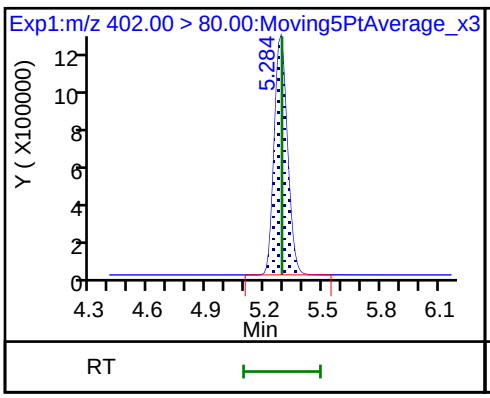
23 Perfluoroheptanoic acid



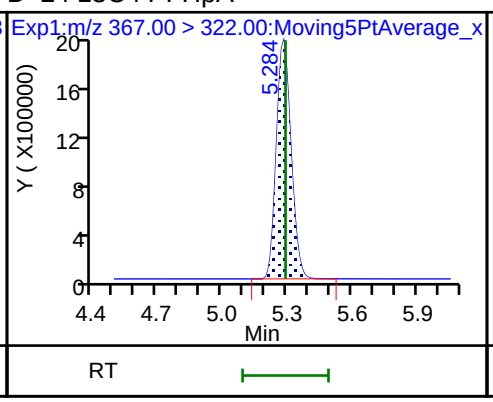
23 Perfluoroheptanoic acid



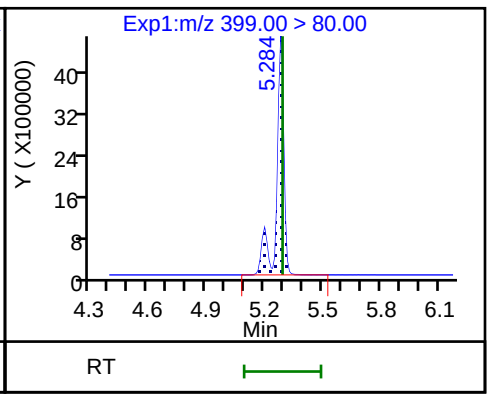
D 25 13C3 PFHxS



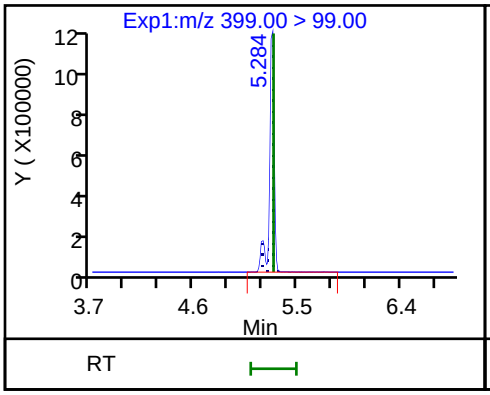
D 24 13C4 PFHpA



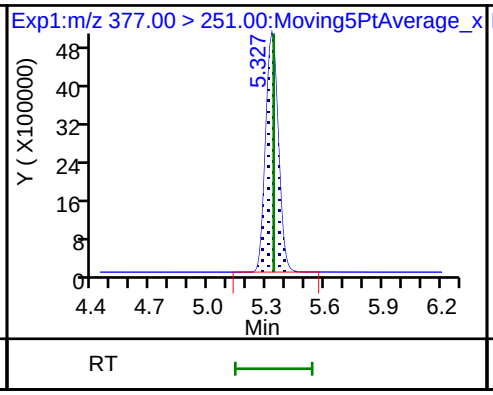
26 Perfluorohexanesulfonic acid



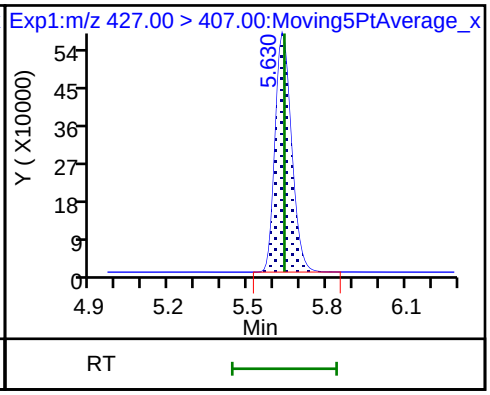
26 Perfluorohexanesulfonic acid



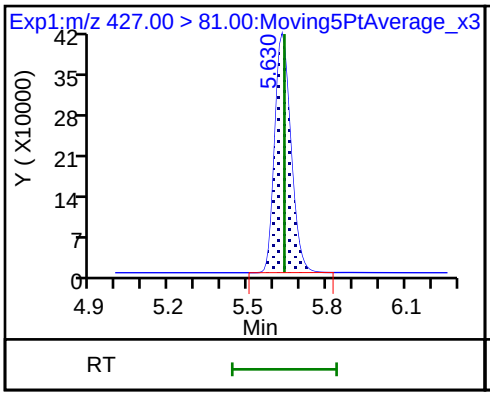
27 DONA



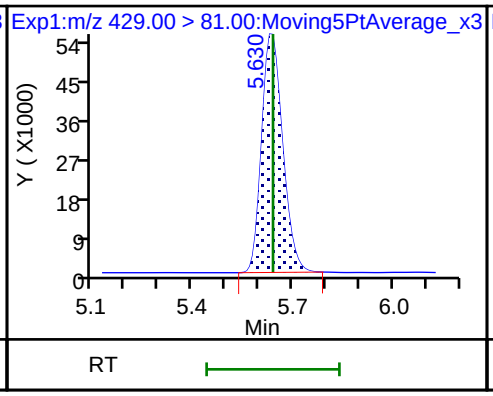
34 6:2 FTS



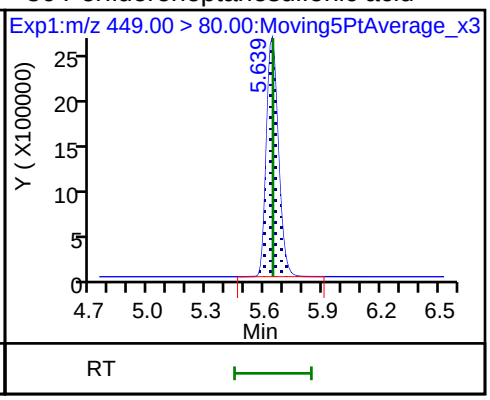
34 6:2 FTS



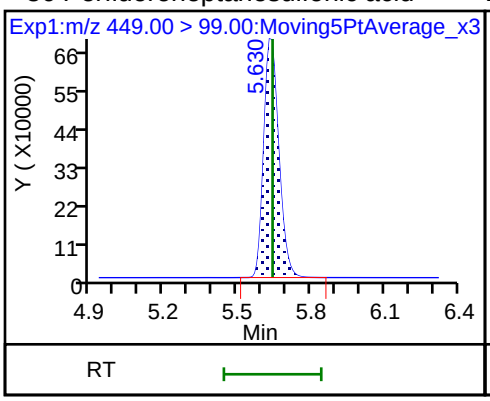
D 35 M2-6:2 FTS



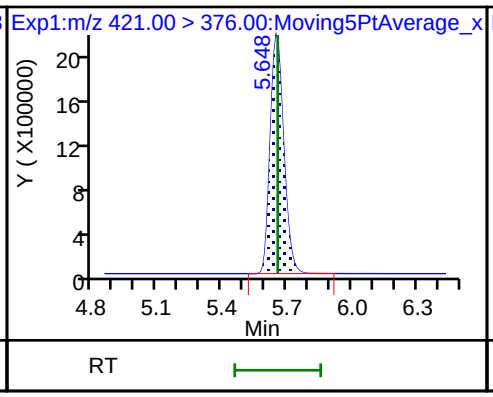
36 Perfluoroheptanesulfonic acid



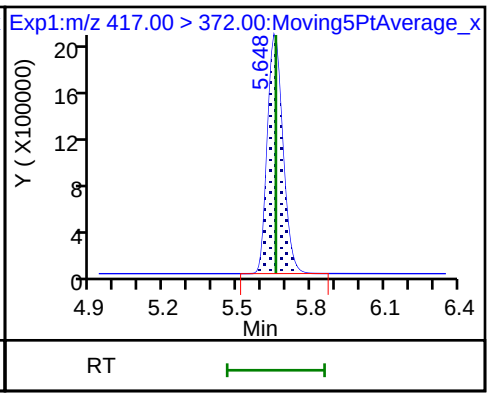
36 Perfluoroheptanesulfonic acid



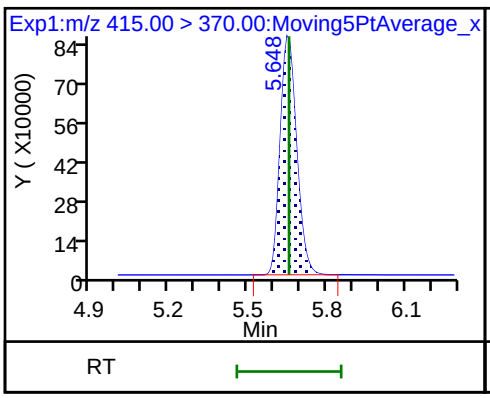
D 37 13C8 PFOA



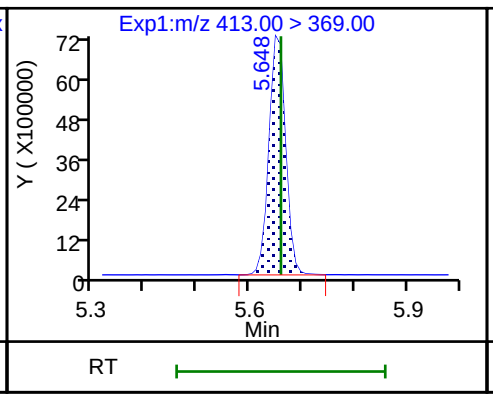
$ 39 13C4 PFOA



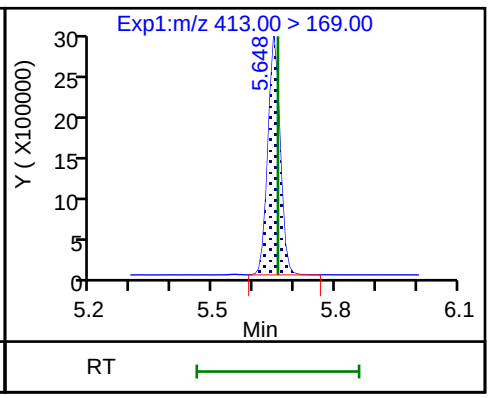
* 38 13C2 PFOA



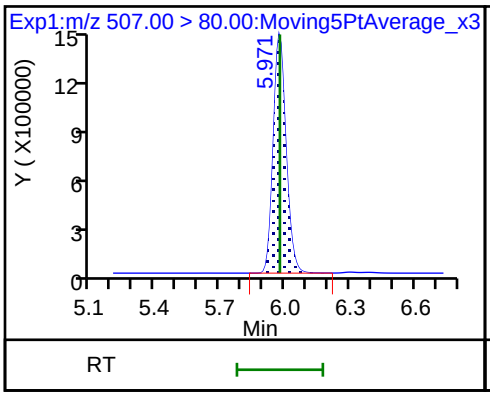
40 Perfluorooctanoic acid



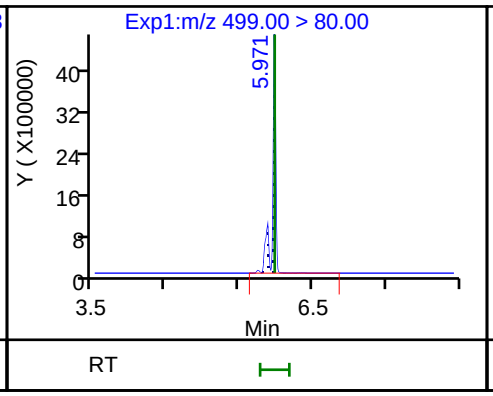
40 Perfluorooctanoic acid



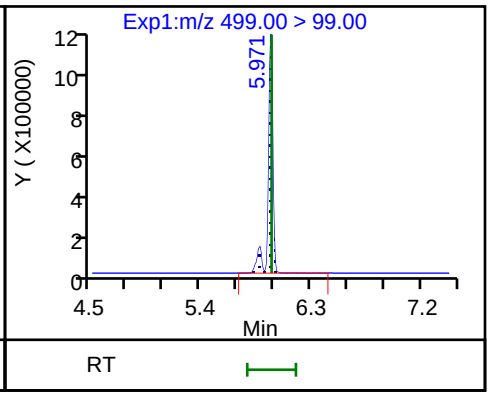
D 41 13C8 PFOS



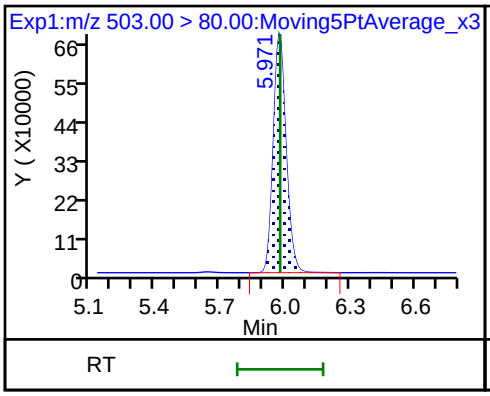
43 Perfluorooctanesulfonic acid



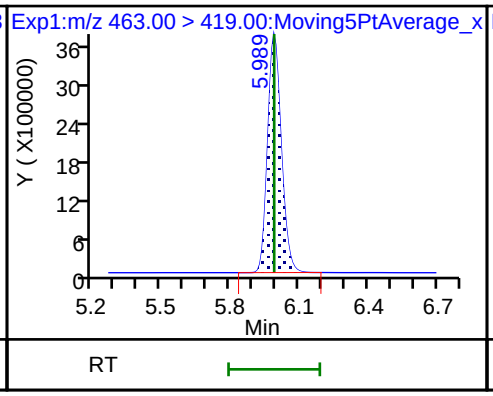
43 Perfluorooctanesulfonic acid



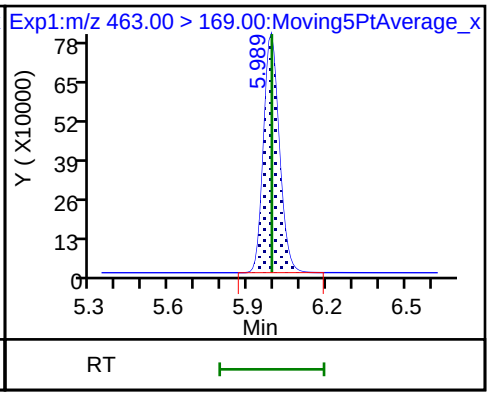
* 42 13C4 PFOS



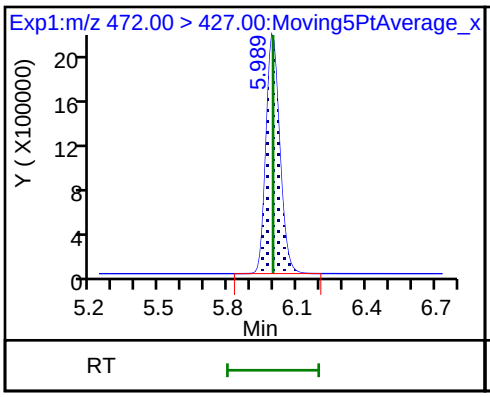
44 Perfluorononanoic acid



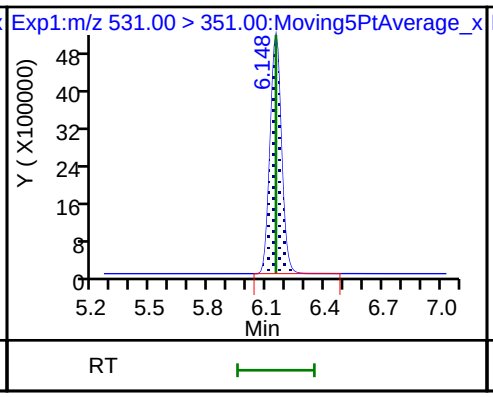
44 Perfluorononanoic acid



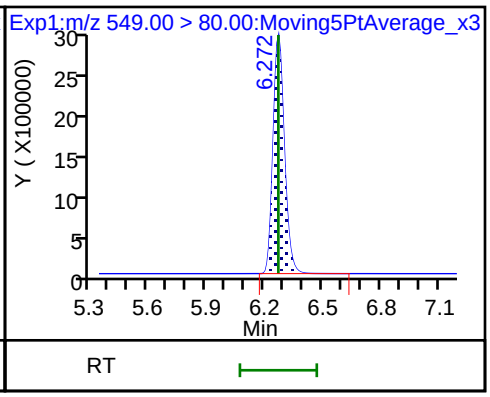
D 45 13C9 PFNA



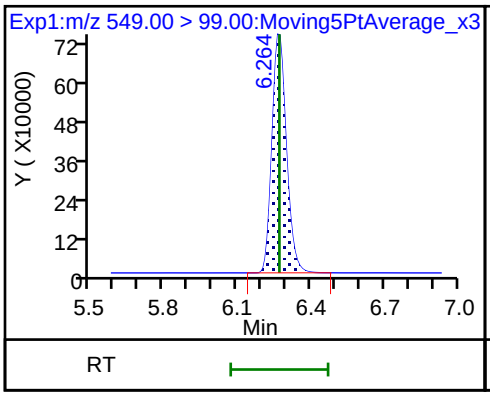
51 9ClFOS



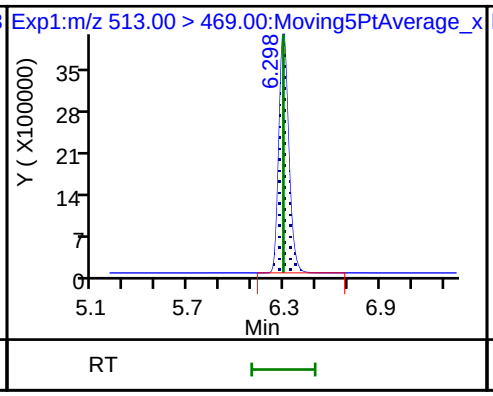
52 Perfluorononanesulfonic acid



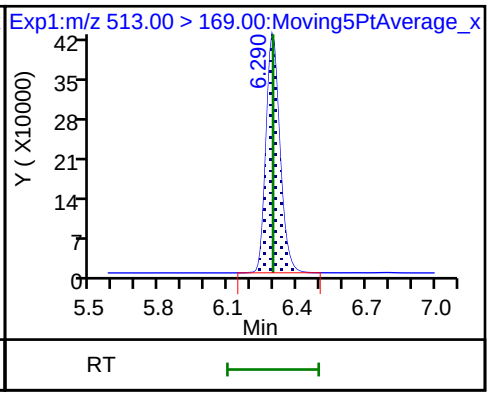
52 Perfluorononanesulfonic acid



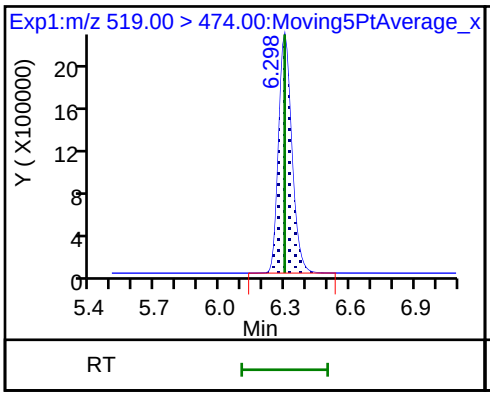
53 Perfluorodecanoic acid



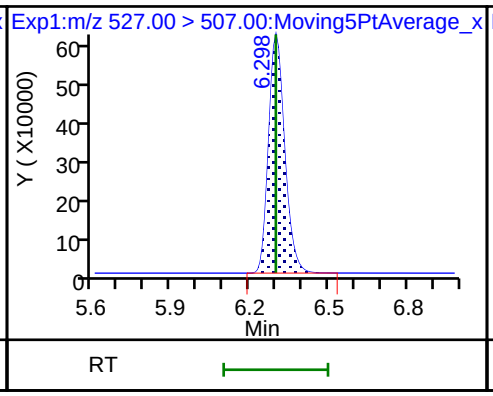
53 Perfluorodecanoic acid



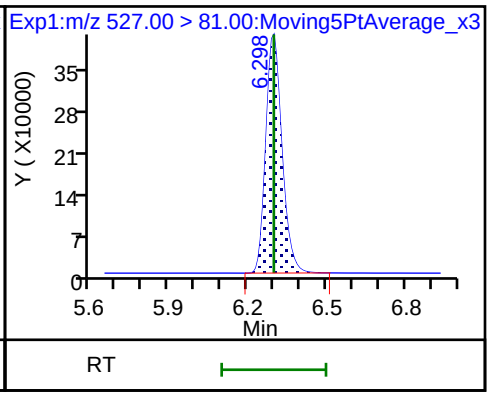
D 54 13C6 PFDA



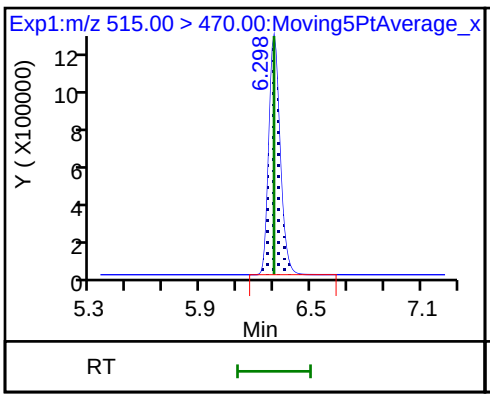
56 8:2 FTS



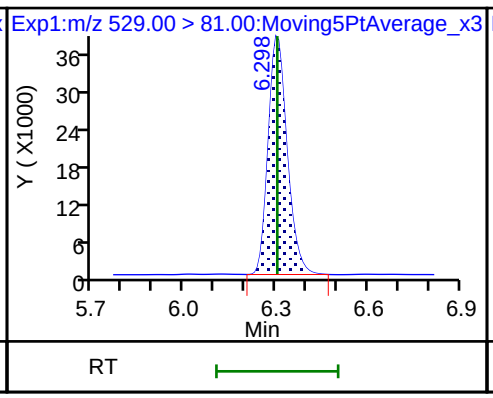
56 8:2 FTS



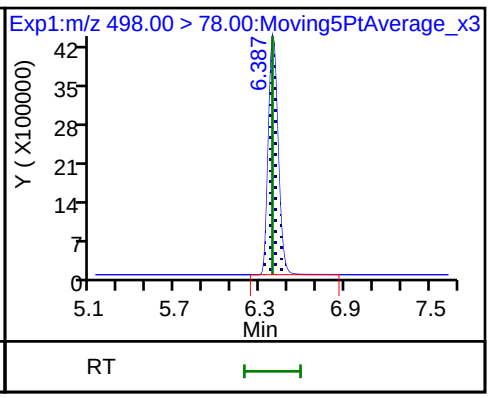
* 55 13C2 PFDA



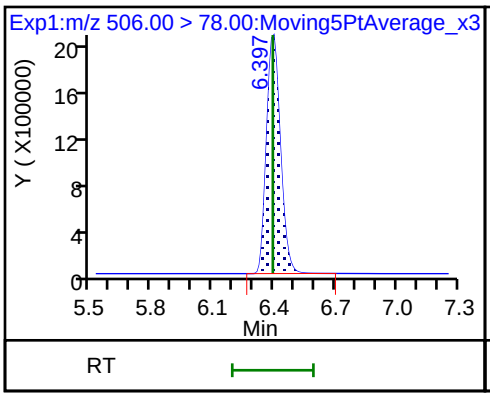
D 57 M2-8:2 FTS



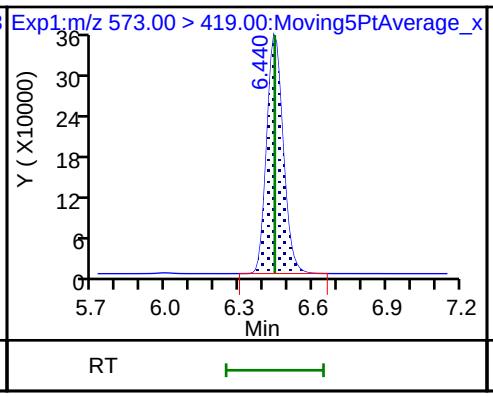
58 Perfluorooctanesulfonamide



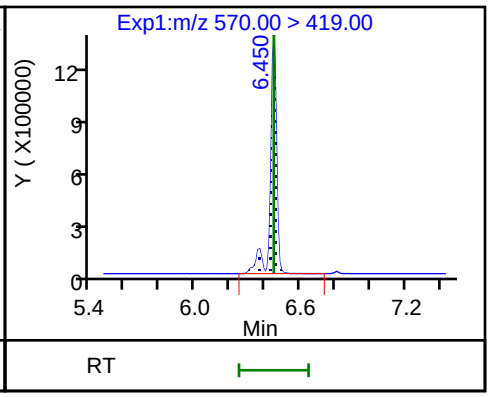
D 59 13C8 FOSA



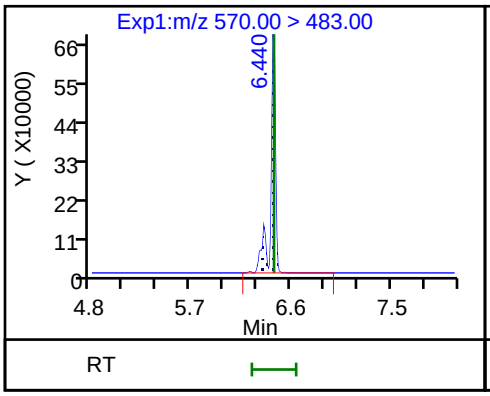
D 61 d3-NMeFOSAA



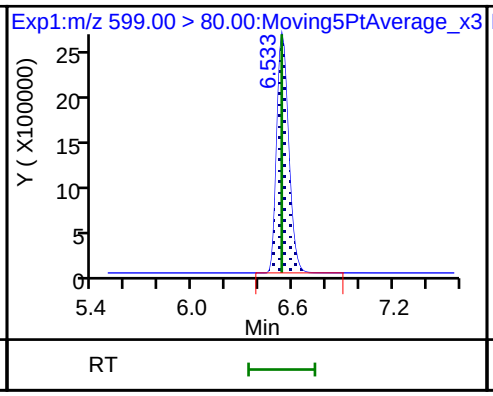
60 NMeFOSAA



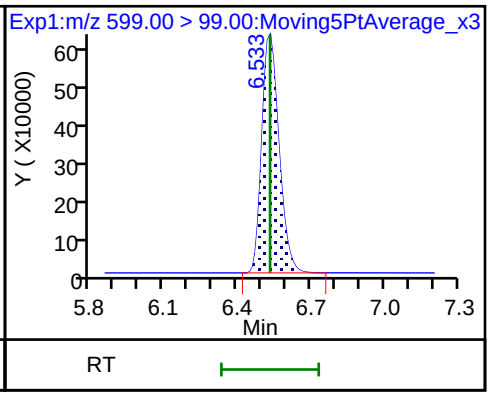
60 NMeFOSAA



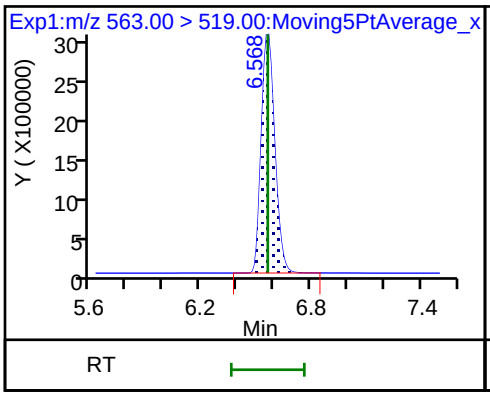
62 Perfluorodecanesulfonic acid



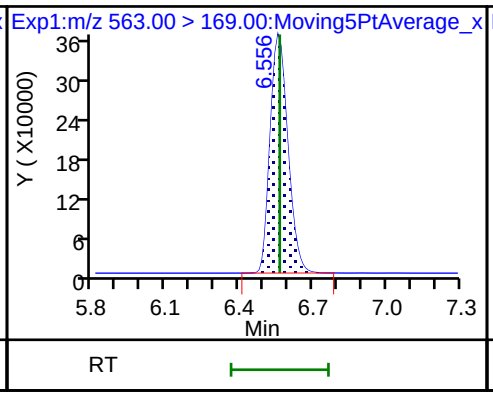
62 Perfluorodecanesulfonic acid



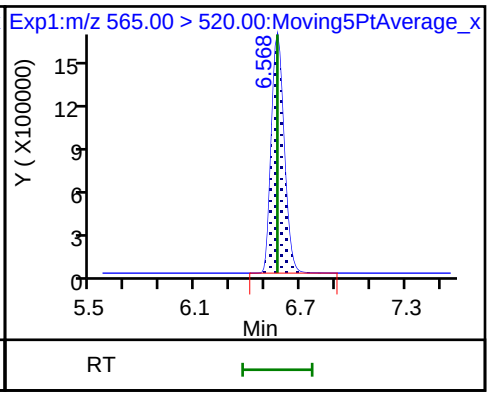
63 Perfluoroundecanoic acid



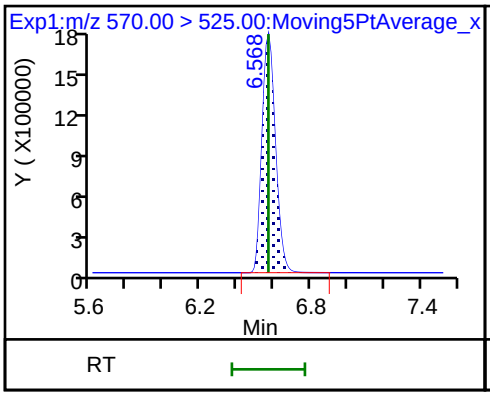
63 Perfluoroundecanoic acid



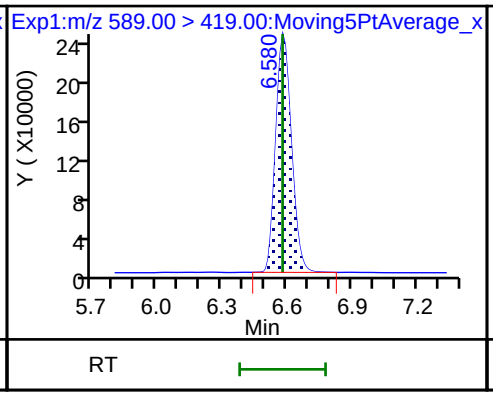
$ 64 13C2 PFUnA



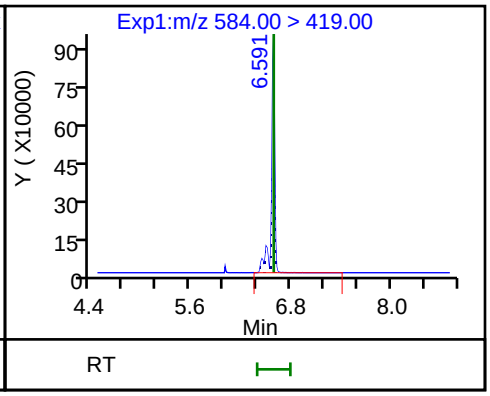
D 65 13C7 PFUnA



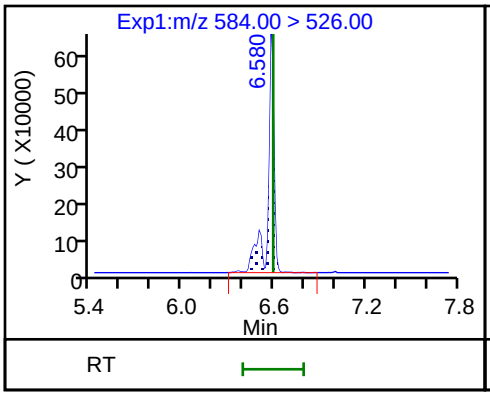
D 66 d5-NEtFOSAA



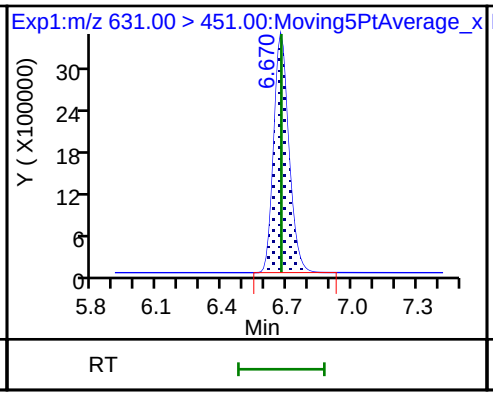
67 NEtFOSAA



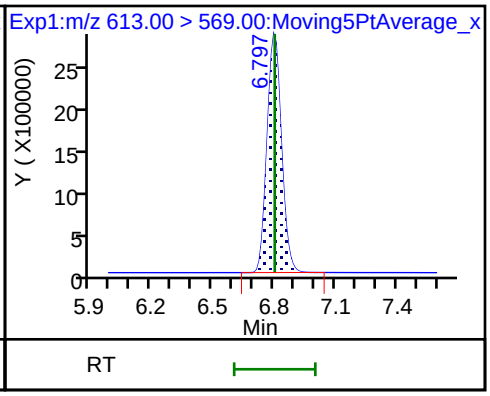
67 NEtFOSAA



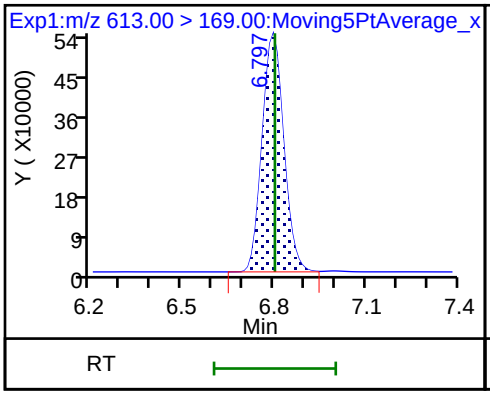
69 11ClFOS



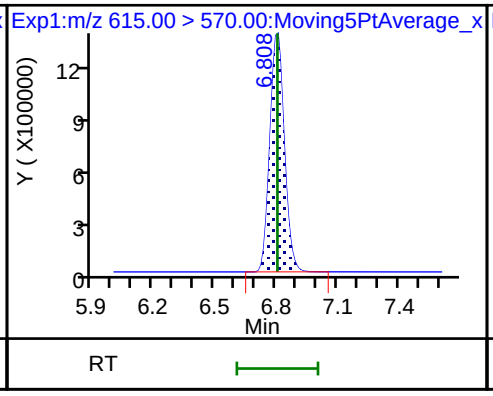
73 Perfluorododecanoic acid



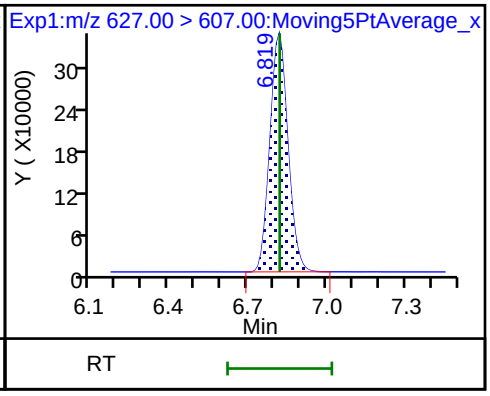
73 Perfluorododecanoic acid



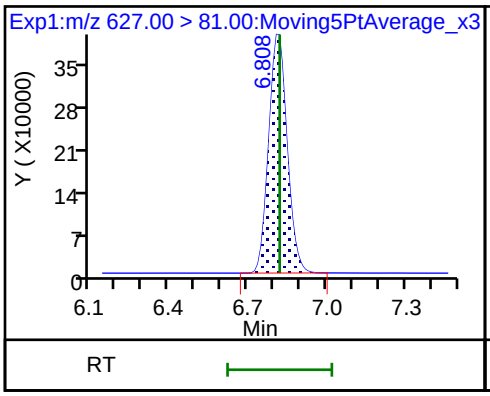
D 74 13C2-PFDoDA



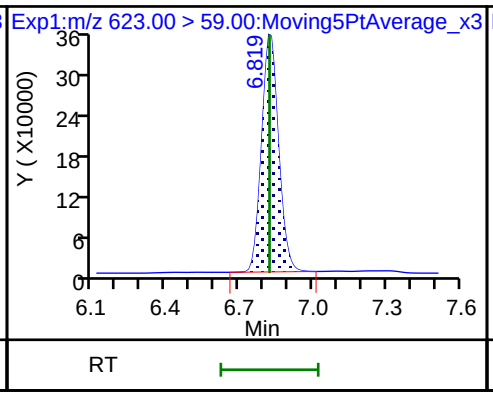
75 10:2 FTS



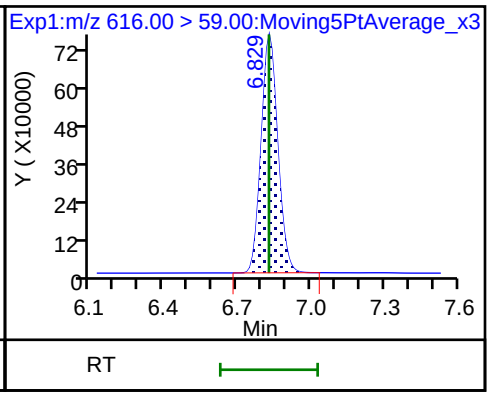
75 10:2 FTS



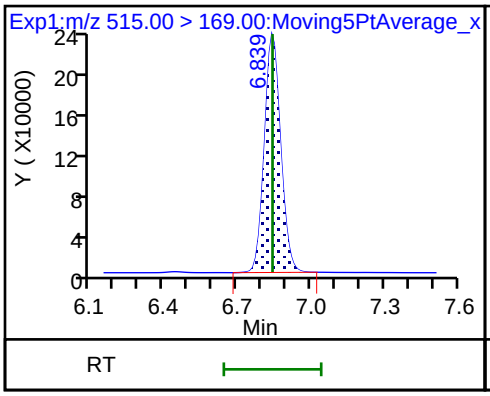
D 76 d7-N-MeFOSE-M



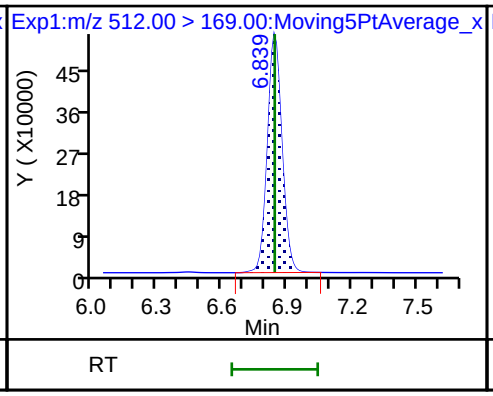
77 N-MeFOSE-M



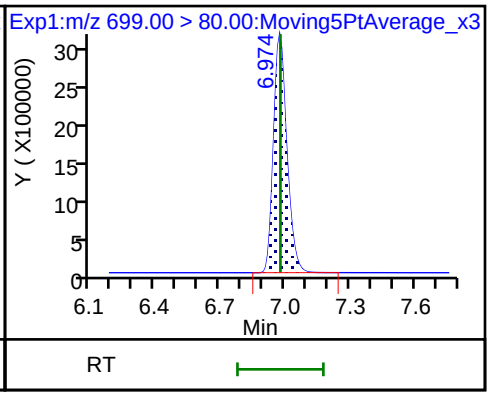
D 79 d3-NMePFOSA



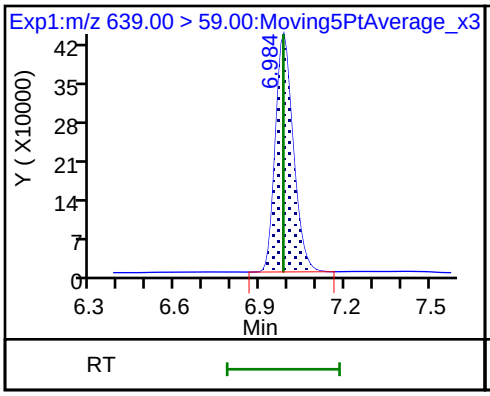
78 NMeFOSA



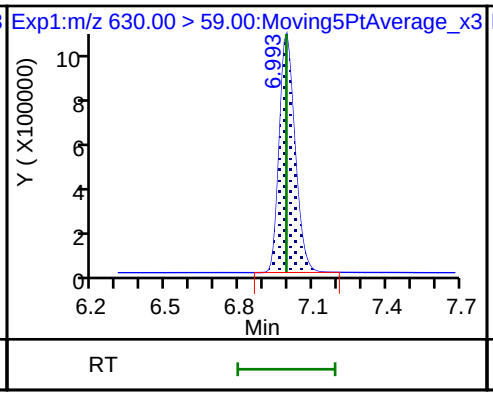
80 PFDoS



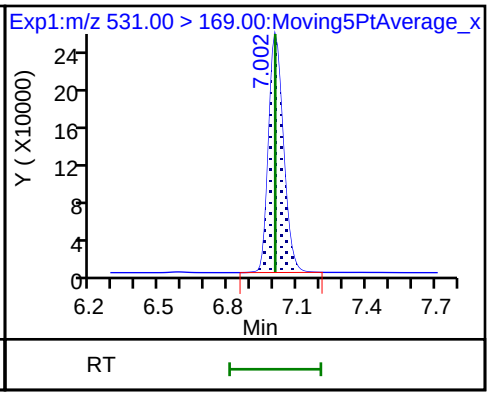
D 81 d9-N-EtFOSE-M



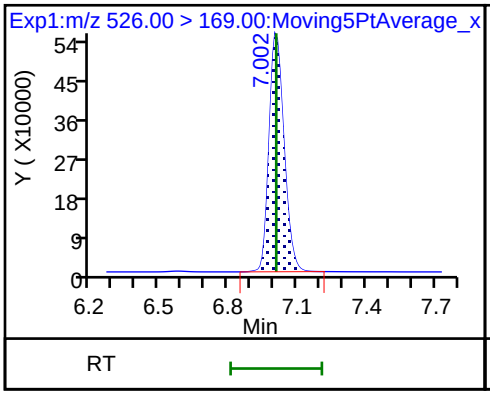
82 N-EtFOSE-M



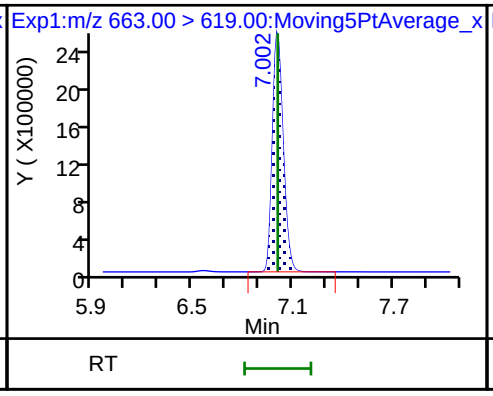
D 83 d5-NEtPFOSA



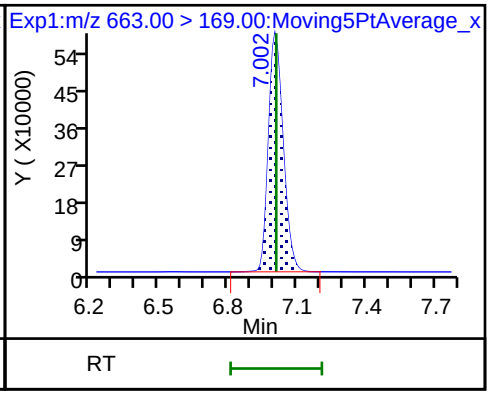
84 N-EtFOSA-M



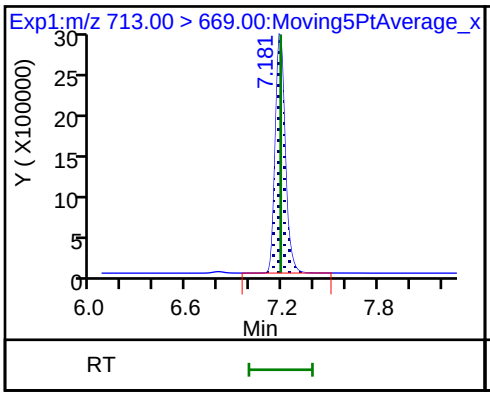
85 Perfluorotridecanoic acid



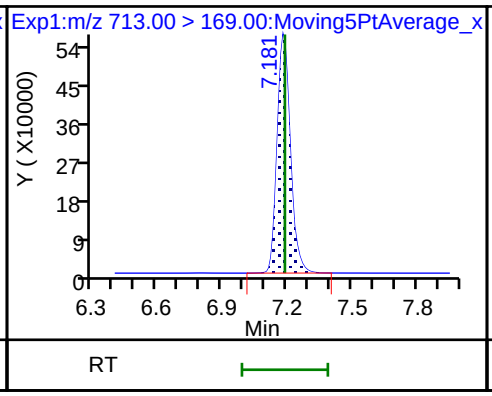
85 Perfluorotridecanoic acid



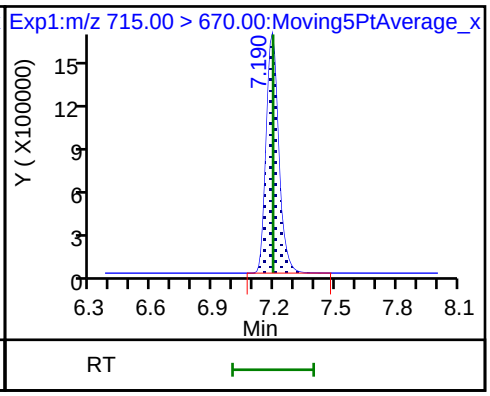
86 Perfluorotetradecanoic acid



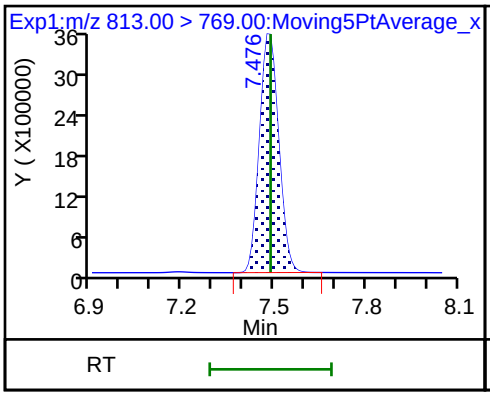
86 Perfluorotetradecanoic acid



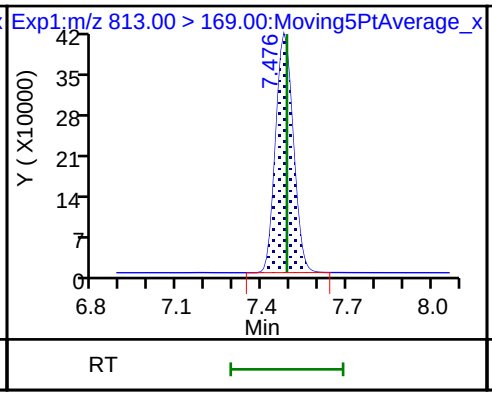
D 87 13C2 PFTeDA



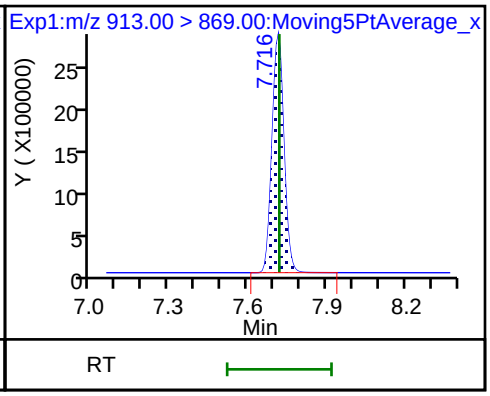
88 Perfluorohexadecanoic acid



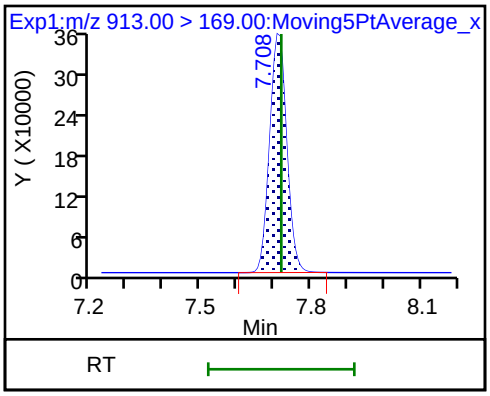
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151710/130 Calibration Date: 07/23/2021 04:12

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL22-56.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid	LID1F		0.8751		2.03	2.00	1.5	30.0
Perfluoropentanoic acid	LID1F		1.033		2.19	2.00	9.3	30.0
Perfluorobutanesulfonic acid	LID1F		1.091		1.88	1.77	6.0	30.0
4:2 Fluorotelomer sulfonic acid	LID1F		3.212		1.79	1.87	-4.2	30.0
Perfluorohexanoic acid	LID1F		0.8568		2.27	2.00	13.5	30.0
Perfluoropentanesulfonic acid	LID1F		0.9848		1.93	1.88	3.1	30.0
HFPODA	LID1F		3.485		2.23	2.00	11.4	30.0
Perfluoroheptanoic acid	LID1F		1.171		2.27	2.00	13.4	30.0
Perfluorohexanesulfonic acid	LID1F		1.100		2.05	1.82	12.1	30.0
DONA	LID1F		1.412		2.00	1.89	5.6	30.0
6:2 Fluorotelomer sulfonic acid	LID1F		5.038		2.03	1.90	7.0	30.0
Perfluoroheptanesulfonic acid	LID1F		0.9826		2.10	1.90	10.2	30.0
Perfluorooctanoic acid	LID1F		0.8064		2.16	2.00	7.9	30.0
Perfluorooctanesulfonic acid	LID1F		1.142		1.94	1.85	4.5	30.0
Perfluorononanoic acid	LID1F		1.003		2.33	2.00	16.5	30.0
9Cl-PF3ONS	LID1F		2.096		2.00	1.86	7.5	30.0
Perfluorononanesulfonic acid	LID1F		1.091		2.09	1.92	8.7	30.0
8:2 Fluorotelomer sulfonic acid	LID1F		7.763		2.12	1.92	10.5	30.0
Perfluorodecanoic acid	LID1F		1.005		2.30	2.00	15.1	30.0
Perfluorooctanesulfonamide	LID1F		1.005		2.03	2.00	1.6	30.0
NMeFOSAA	LID1F		0.9874		2.21	2.00	10.5	30.0
Perfluorodecanesulfonic acid	LID1F		1.064		1.82	1.93	-5.6	30.0
Perfluoroundecanoic acid	LID1F		0.9631		2.33	2.00	16.6	30.0
NEtFOSAA	LID1F		0.9919		2.08	2.00	3.8	30.0
11Cl-PF3OUdS	LID1F		1.645		1.95	1.86	5.0	30.0
Perfluorododecanoic acid	LID1F		1.151		2.30	2.00	14.8	30.0
10:2 FTS	LID1F		4.694		1.80	1.93	-6.8	30.0
NMeFOSE	LID1F		1.034		1.97	2.00	-1.6	30.0
NMeFOSA	LID1F		1.019		2.04	2.00	1.9	30.0
Perfluorododecanesulfonic acid	LID1F		1.181		2.14	1.94	10.6	30.0
NEtFOSE	LID1F		1.066		1.96	2.00	-2.2	30.0
NEtFOSA	LID1F		1.138		2.13	2.00	6.4	30.0
Perfluorotridecanoic acid	LID1F		0.8649		2.19	2.00	9.4	30.0
Perfluorotetradecanoic acid	LID1F		0.9216		2.19	2.00	9.3	30.0
Perfluorohexadecanoic acid	LID1F		1.072		1.99	2.00	-0.3	30.0
Perfluorooctadecanoic acid	LID1F		0.6096		1.89	2.00	-5.4	30.0
13C4 PFBA	Ave	1.124	1.185		10.6	10.0	5.5	30.0
13C5 PFPeA	Ave	1.039	1.096		10.5	10.0	5.4	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Lab Sample ID: CCV 410-151710/130 Calibration Date: 07/23/2021 04:12

Instrument ID: 30733 Calib Start Date: 07/21/2021 22:47

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 07/21/2021 23:54

Lab File ID: 21JUL22-56.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
13C3 PFBS	Ave	0.8735	0.8877		9.45	9.30	1.6	30.0
M2-4:2 FTS	Ave	0.0600	0.0682		10.6	9.34	13.5	30.0
13C5 PFHxA	Ave	1.228	1.353		11.0	10.0	10.2	30.0
13C3 HFPO-DA	Ave	0.1132	0.1079		9.53	10.0	-4.7	30.0
13C3 PFHxS	Ave	0.8656	0.8630		9.43	9.46	-0.3	30.0
13C4 PFHpA	Ave	1.259	1.336		10.6	10.0	6.1	30.0
M2-6:2 FTS	Ave	0.0333	0.0383		10.9	9.50	15.2	30.0
13C8 PFOA	Ave	1.365	1.487		10.9	10.0	8.9	30.0
13C8 PFOS	Ave	1.033	1.086		10.1	9.56	5.1	30.0
13C9 PFNA	Ave	1.435	1.504		10.5	10.0	4.8	30.0
13C6 PFDA	Ave	0.9505	0.9491		9.99	10.0	-0.1	30.0
M2-8:2 FTS	Ave	0.0162	0.0178		10.5	9.58	9.8	30.0
13C8 FOSA	Ave	0.9399	0.9660		10.3	10.0	2.8	30.0
d3-NMeFOSAA	Ave	0.1726	0.1575		9.13	10.0	-8.7	30.0
13C7 PFUnA	Ave	0.9053	0.8871		9.80	10.0	-2.0	30.0
d5-NEtFOSAA	Ave	0.1331	0.1294		9.72	10.0	-2.8	30.0
13C2-PFDoDA	Ave	0.6941	0.6736		9.71	10.0	-2.9	30.0
d7-N-MeFOSE-M	Ave	0.1826	0.1701		9.31	10.0	-6.9	30.0
d3-NMePFOSA	Ave	0.1168	0.1078		9.23	10.0	-7.7	30.0
d9-N-EtFOSE-M	Ave	0.1986	0.1929		9.72	10.0	-2.9	30.0
d5-NEtPFOSA	Ave	0.1120	0.1039		9.28	10.0	-7.2	30.0
13C2 PFTeDA	Ave	0.7341	0.7247		9.87	10.0	-1.3	30.0
13C2 PFHxA	Lin1F		1.044		10.9	10.0	9.3	30.0
13C4 PFOA	Lin1F		1.361		10.8	10.0	7.8	30.0
13C2 PFUnA	Lin1F		1.251		10.8	10.0	7.8	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-56.d
Lims ID: CCV 8_CAL3
Client ID:
Sample Type: CCV
Inject. Date: 23-Jul-2021 04:12:49 ALS Bottle#: 20004 Worklist Smp#: 130
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: CCV 8_CAL3
Misc. Info.: Plate: 3 Rack: 1 410-0035007-130
Operator ID: US19_USR_INS20260 Instrument ID: 30733
Sublist: chrom-PFAS_30733_XList_2*sub3

Method: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 13:59:23 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1650
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.948	3.938	0.010	1.000	8289393	10.5		105	261904	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.940	3.938	0.002	0.998	1450881	2.03		101	7354	
* 4 13C3-PFBA										
216.00 > 172.00	3.948	3.940	0.008		3497556	5.00			38455	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.479	4.471	0.008	0.998	1582829	2.19		109	2066	
D 8 13C5 PFPeA										
268.00 > 223.00	4.487	4.475	0.012	1.137	7663804	10.5		105	229059	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.535	4.525	0.010	1.000	1198906	1.88	Target=3.13	106	2200	
299.00 > 99.00	4.535	4.525	0.010	1.000	377103		3.18(1.57-4.70)		1881	
D 11 13C3 PFBS										
302.00 > 80.00	4.535	4.528	0.007	1.149	5775066	9.45		102	224666	
15 4:2 FTS										
327.00 > 307.00	4.871	4.853	0.018	1.000	294618	1.79	Target=1.61	95.8	21991	
327.00 > 81.00	4.861	4.853	0.008	0.998	177256		1.66(0.81-2.42)		9644	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.871	4.858	0.013	0.859	458572	10.6		114	25842	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.910	4.891	0.019	1.000	1670391	2.27	Target=14.88	114	7653	
313.00 > 119.00	4.900	4.891	0.009	0.998	105648		15.81(7.44-22.32)		3365	
D 19 13C5 PFHxA										
318.00 > 273.00	4.910	4.896	0.014	0.866	9747992	11.0		110	239569	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.910	4.898	0.012	0.866	7521432	10.9		109	277306	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.931	4.911	0.020	1.087	1147220	1.93	Target=3.52	103	62829	
349.00 > 99.00	4.921	4.911	0.010	1.085	329234		3.48(1.76-5.28)		18394	
21 HFPO-DA										
329.00 > 285.00	5.036	5.025	0.011	0.998	541728	2.23		111	4858	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.044	5.027	0.017	0.890	777226	9.53		95.3	46897	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.306	5.286	0.020	1.000	2254533	2.27	Target=3.85	113	16112	
363.00 > 169.00	5.295	5.286	0.009	0.998	558844		4.03(1.93-5.78)		19975	
D 25 13C3 PFHxS										
402.00 > 80.00	5.306	5.289	0.017	0.936	5881503	9.43		99.7	182907	
D 24 13C4 PFHpA										
367.00 > 322.00	5.306	5.292	0.014	0.936	9622511	10.6		106	208092	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.306	5.292	0.014	1.000	1247269	2.05	Target=3.51	112	2155	
399.00 > 99.00	5.306	5.292	0.014	1.000	340393		3.66(1.75-5.26)		647	
27 DONA										
377.00 > 251.00	5.348	5.336	0.012	1.008	2567139	2.00		106	39427	
34 6:2 FTS										
427.00 > 407.00	5.649	5.638	0.011	0.998	263805	2.03	Target=1.43	107	15323	
427.00 > 81.00	5.649	5.638	0.011	0.998	185933		1.42(0.72-2.15)		10754	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.659	5.640	0.019	0.998	262361	10.9		115	19977	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.659	5.642	0.017	1.066	1163158	2.10	Target=3.86	110	54416	
449.00 > 99.00	5.659	5.642	0.017	1.066	307217		3.79(1.93-5.79)		17893	
D 37 13C8 PFOA										
421.00 > 376.00	5.668	5.656	0.012	1.000	10715369	10.9		109	352395	
$ 39 13C4 PFOA										
417.00 > 372.00	5.668	5.656	0.012	1.000	9802338	10.8		108	320889	
* 38 13C2 PFOA										
415.00 > 370.00	5.668	5.656	0.012		3602084	5.00			138598	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.668	5.659	0.009	1.000	1728092	2.16	Target=2.48	108	40868	
413.00 > 169.00	5.668	5.659	0.009	1.000	685239		2.52(1.24-3.72)		44936	
D 41 13C8 PFOS										
507.00 > 80.00	5.989	5.975	0.014	1.000	6063614	10.0		105	78093	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.989	5.977	0.012	1.000	1341036	1.93	Target=4.45	105	3152	
499.00 > 99.00	5.980	5.977	0.003	0.999	304670		4.40(2.23-6.68)		348	
* 42 13C4 PFOS										
503.00 > 80.00	5.989	5.977	0.012		2794085	4.78			113458	
44 Perfluorononanoic acid										
463.00 > 419.00	6.006	5.990	0.016	1.000	1763229	2.33	Target=4.83	117	13233	
463.00 > 169.00	5.997	5.990	0.007	0.998	373373		4.72(2.42-7.25)		22776	
D 45 13C9 PFNA										
472.00 > 427.00	6.006	5.994	0.012	1.003	2786673	10.5		105	30262	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.156	6.147	0.009	1.028	2473170	2.00		108	78662	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.280	6.270	0.010	1.049	1328590	2.09	Target=4.19	109	64797	
549.00 > 99.00	6.280	6.270	0.010	1.049	321043		4.14(2.09-6.28)		15739	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.306	6.294	0.012	1.000	2069158	2.30	Target=10.20	115	21410	
513.00 > 169.00	6.306	6.294	0.012	1.000	200422		10.32(5.10-15.29)		11890	
D 54 13C6 PFDA										
519.00 > 474.00	6.306	6.298	0.008	1.000	10294167	9.99		99.9	401116	
56 8:2 FTS										
527.00 > 507.00	6.306	6.298	0.008	0.999	287851	2.12	Target=1.44	110	16695	
527.00 > 81.00	6.306	6.298	0.008	0.999	200131		1.44(0.72-2.16)		11707	
* 55 13C2 PFDA										
515.00 > 470.00	6.306	6.298	0.008		5423130	5.00			255559	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.316	6.303	0.013	1.001	185399	10.5		110	14363	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.407	6.386	0.021	1.000	2107068	2.03		102	88567	
D 59 13C8 FOSA										
506.00 > 78.00	6.407	6.392	0.015	1.016	10477937	10.3		103	160108	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.460	6.443	0.017	1.024	1708608	9.13		91.3	92053	
60 NMeFOSAA										
570.00 > 419.00	6.460	6.446	0.014	1.000	337409	2.21	Target=1.62	111	23498	
570.00 > 483.00	6.460	6.446	0.014	1.000	199416		1.69(0.81-2.44)		300	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.544	6.532	0.012	1.093	1300587	1.82	Target=4.24	94.4	52329	
599.00 > 99.00	6.544	6.532	0.012	1.093	308167		4.22(2.12-6.36)		12553	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.579	6.564	0.015	1.000	1853301	2.33	Target=8.77	117	9994	
563.00 > 169.00	6.567	6.564	0.003	0.998	217541		8.52(4.39-13.16)		14275	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.579	6.567	0.012	1.161	9011673	10.8		108	358376	
D 65 13C7 PFUnA										
570.00 > 525.00	6.579	6.567	0.012	1.043	9621510	9.80		98.0	319576	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.590	6.579	0.011	1.045	1403243	9.72		97.2	23235	
67 NEtFOSAA										
584.00 > 419.00	6.602	6.592	0.010	1.002	278375	2.08	Target=1.47	104	51486	
584.00 > 526.00	6.590	6.592	-0.002	1.000	175053		1.59(0.74-2.21)		327	
69 11ClFOS										
631.00 > 451.00	6.690	6.673	0.017	1.117	1940730	1.95		105	65855	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.818	6.802	0.016	1.000	1682132	2.30	Target=5.09	115	25057	
613.00 > 169.00	6.807	6.802	0.005	0.998	328276		5.12(2.54-7.63)		8537	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.818	6.805	0.013	1.081	7306208	9.71		97.1	220995	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
75 10:2 FTS										
627.00 > 607.00	6.828	6.820	0.008	1.081	175159	1.80	Target=0.84	93.2	12478	
627.00 > 81.00	6.828	6.820	0.008	1.081	203603		0.86(0.42-1.26)		14553	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.838	6.822	0.016	1.084	1844473	9.31		93.1	8650	
77 N-MeFOSE-M										
616.00 > 59.00	6.848	6.828	0.020	1.001	381512	1.97		98.4	4862	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.859	6.842	0.017	1.088	1169239	9.23		92.3	36665	
78 NMeFOSA										
512.00 > 169.00	6.859	6.842	0.017	1.000	238179	2.04		102	13032	
80 PFDoS										
699.00 > 80.00	6.993	6.978	0.015	1.168	1450466	2.14		111	41645	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	7.002	6.982	0.020	1.110	2092746	9.71		97.1	11165	
82 N-EtFOSE-M										
630.00 > 59.00	7.002	6.991	0.011	1.000	446179	1.96		97.8	9004	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.024	7.004	0.020	1.114	1127239	9.28		92.8	30944	
84 N-EtFOSA-M										
526.00 > 169.00	7.024	7.008	0.016	1.000	256601	2.13		106	11324	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.024	7.008	0.016	1.030	1263848	2.19	Target=4.59	109	4767	
663.00 > 169.00	7.024	7.008	0.016	1.030	275575		4.59(2.29-6.88)		15292	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.200	7.189	0.011	0.999	1448881	2.19	Target=5.25	109	4082	
713.00 > 169.00	7.200	7.189	0.011	0.999	274896		5.27(2.62-7.87)		16090	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.209	7.193	0.016	1.143	7860825	9.87		98.7	303445	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.506	7.487	0.019	1.041	1686004	1.99	Target=8.75	99.7	5451	
813.00 > 169.00	7.497	7.487	0.010	1.040	187984		8.97(4.38-13.13)		11296	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.728	7.719	0.009	1.072	958369	1.89	Target=8.07	94.6	29255	
913.00 > 169.00	7.728	7.719	0.009	1.072	124440		7.70(4.04-12.11)		13636	

Reagents:

PFC_STD_MOD3_00026 Amount Added: 200.00 Units: uL

Report Date: 23-Jul-2021 13:59:25 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-56.d

Injection Date: 23-Jul-2021 04:12:49 Instrument ID: 30733

Lims ID: CCV 8_CAL3

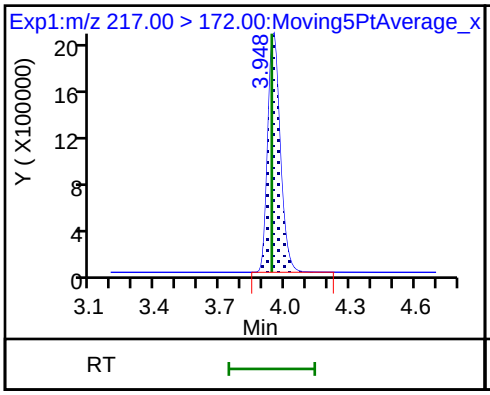
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20004 Worklist Smp#: 130

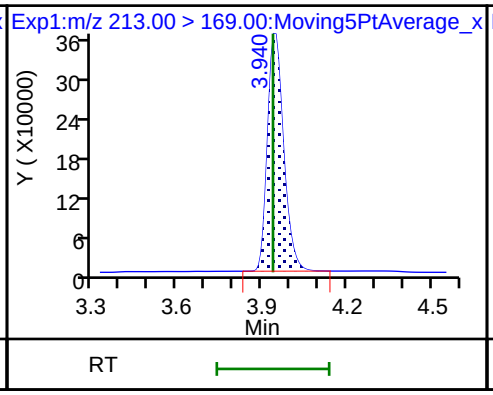
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

D 3 13C4 PFBA



2 Perfluorobutanoic acid



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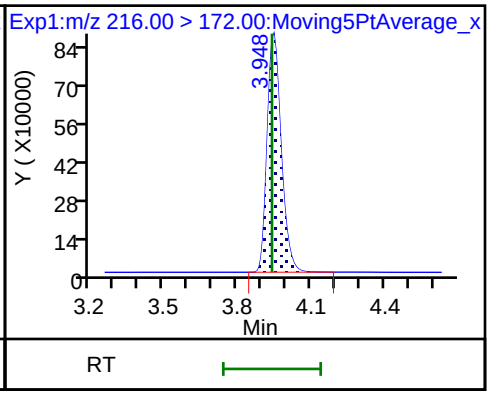
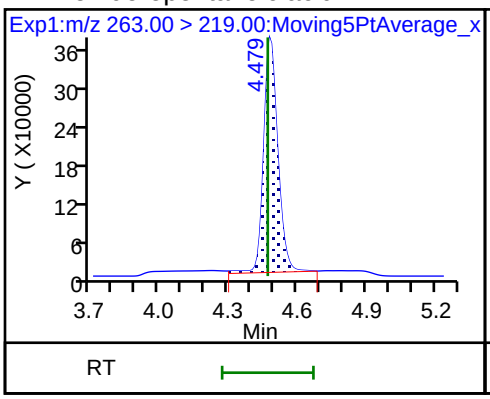
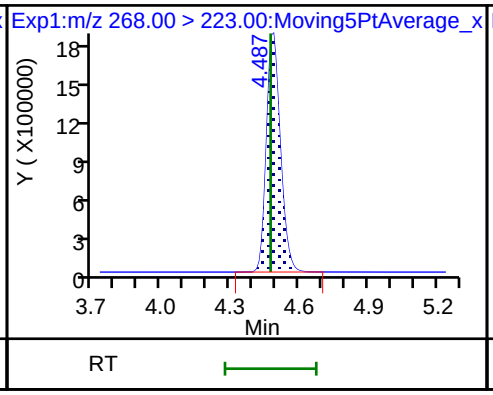


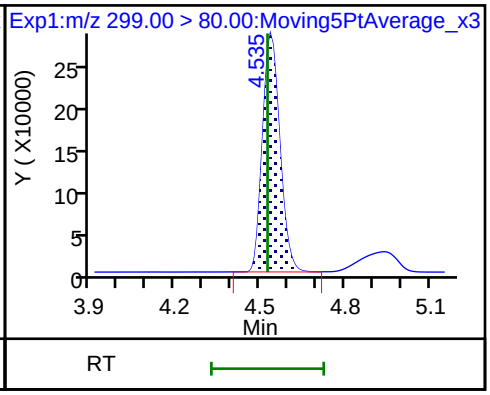
7 Perfluoropentanoic acid



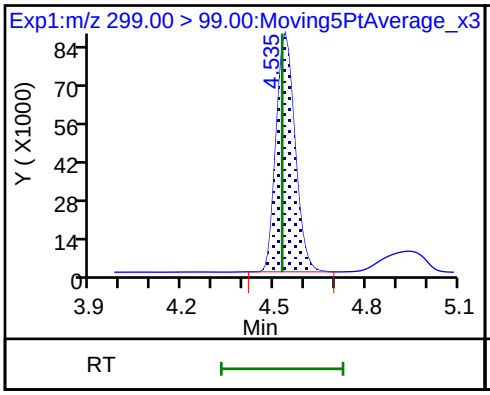
D 8 13C5 PFPeA



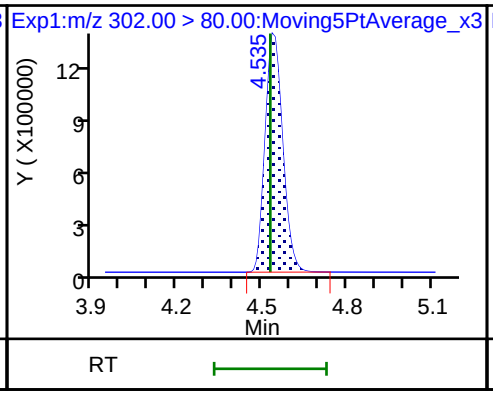
10 Perfluorobutanesulfonic acid



10 Perfluorobutanesulfonic acid



D 11 13C3 PFBS



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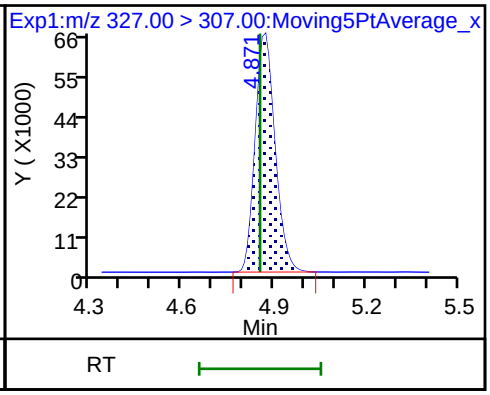

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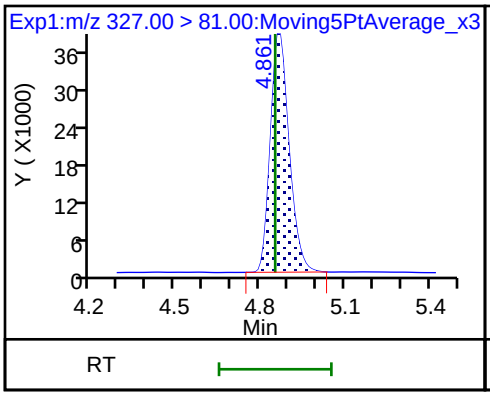

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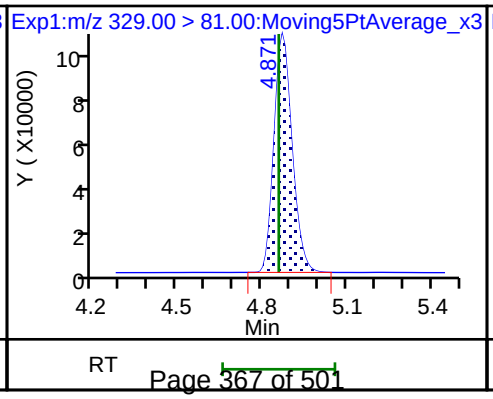
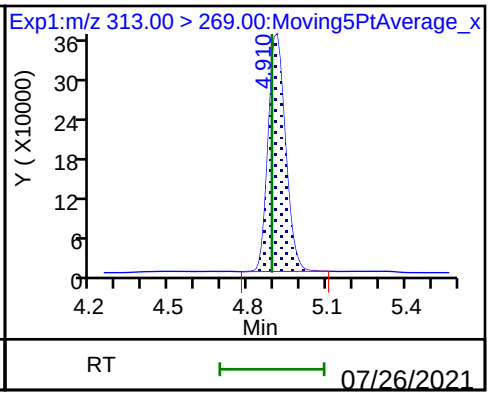
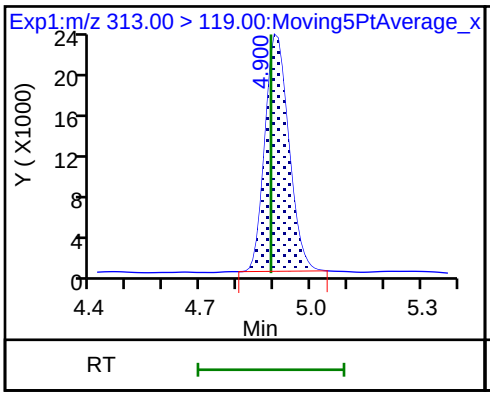


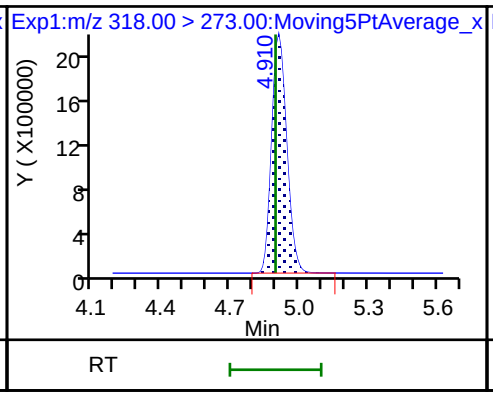
17 Perfluorohexanoic acid



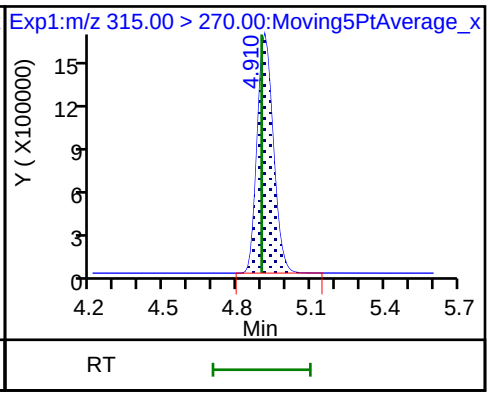
17 Perfluorohexanoic acid



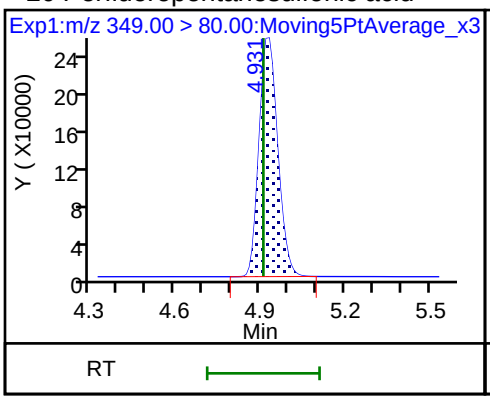
D 19 13C5 PFHxA



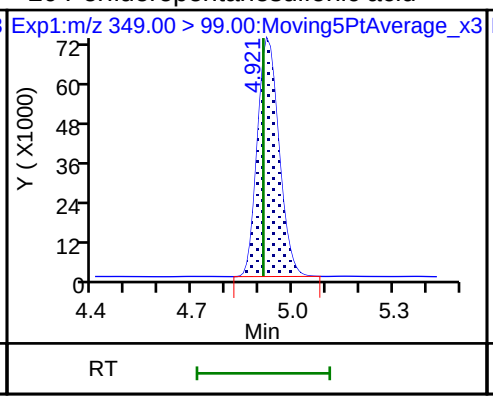
$ 18 13C2 PFHxA



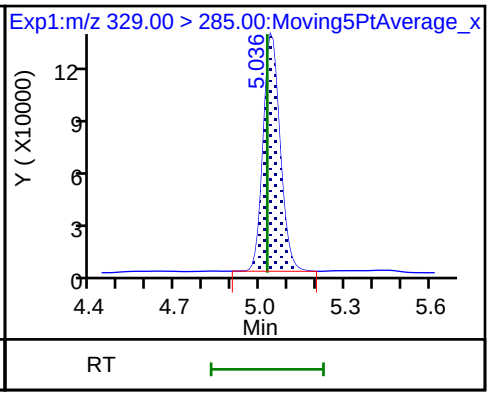
20 Perfluoropentanesulfonic acid



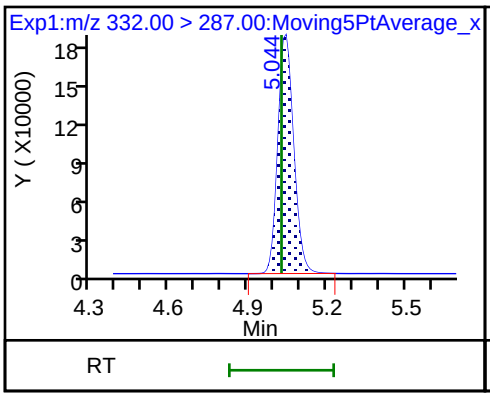
20 Perfluoropentanesulfonic acid



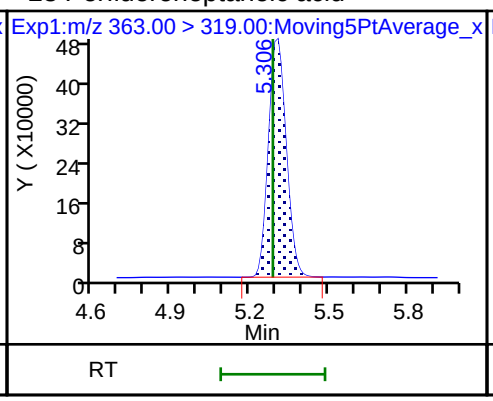
21 HFPO-DA



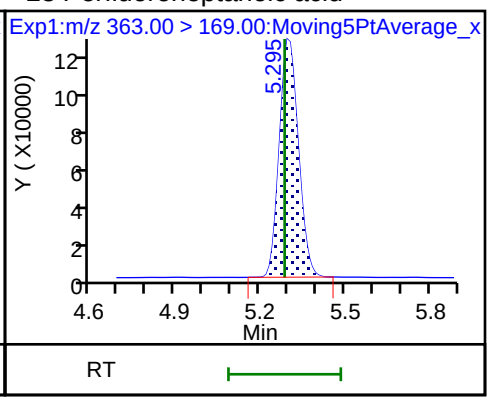
D 22 13C3 HFPO-DA



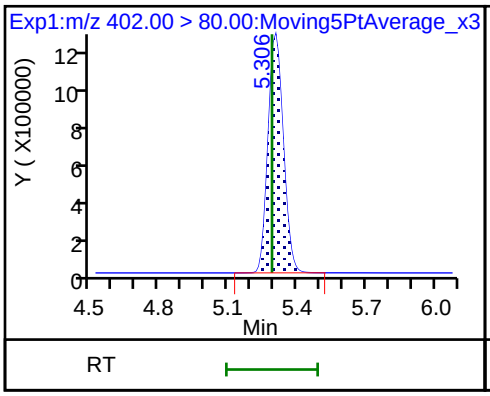
23 Perfluoroheptanoic acid



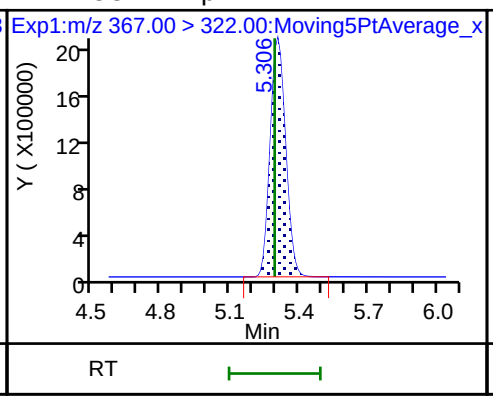
23 Perfluoroheptanoic acid



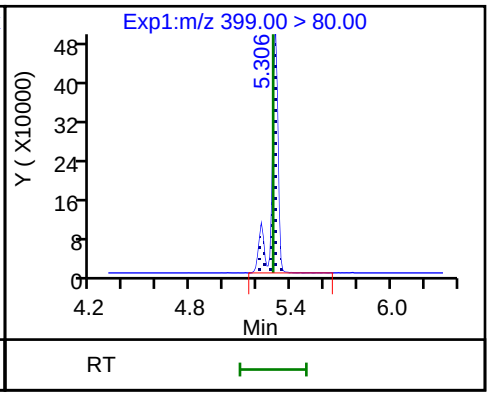
D 25 13C3 PFHxS



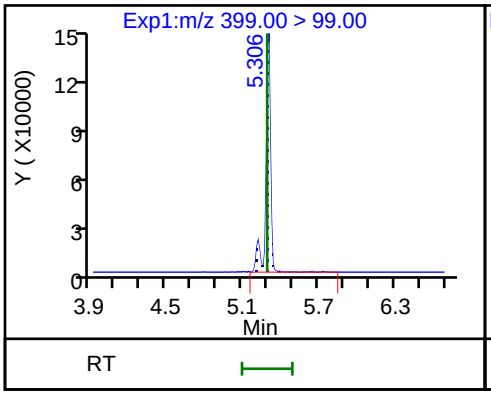
D 24 13C4 PFHpA



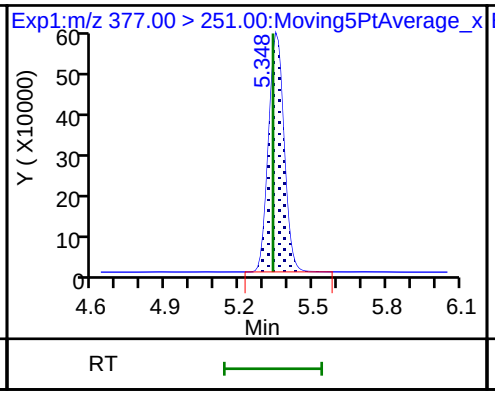
26 Perfluorohexanesulfonic acid



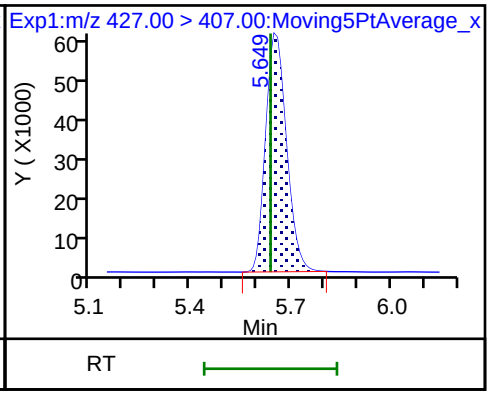
26 Perfluorohexanesulfonic acid



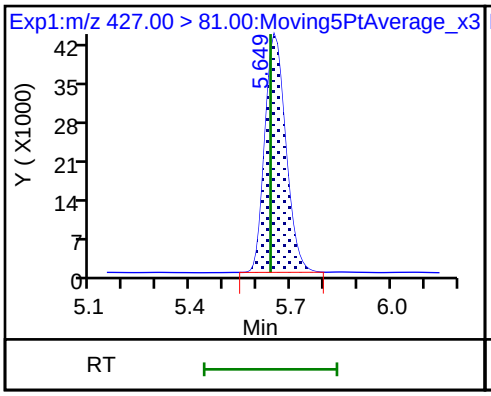
27 DONA



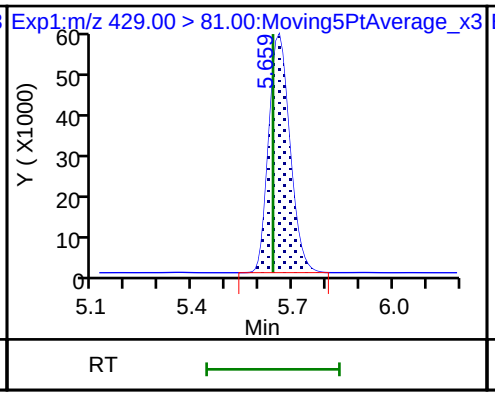
34 6:2 FTS



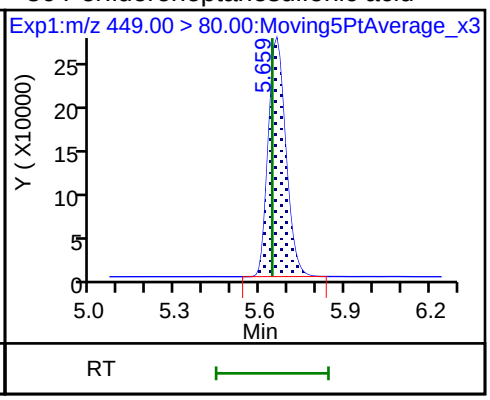
34 6:2 FTS



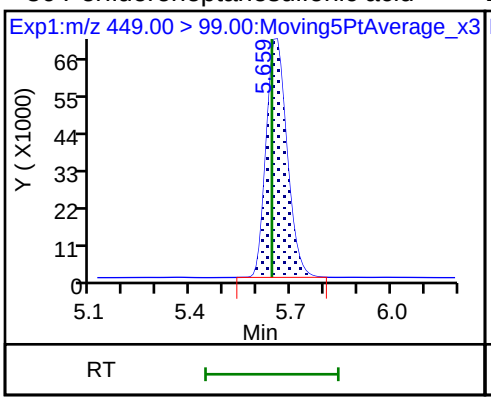
D 35 M2-6:2 FTS



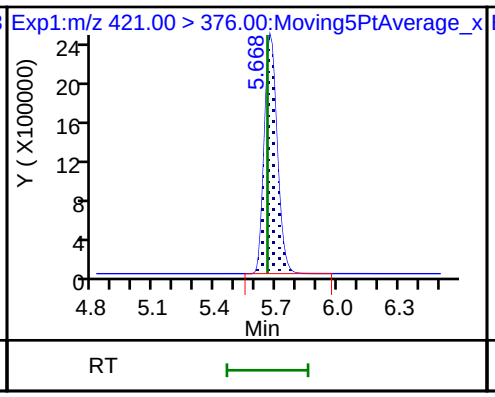
36 Perfluoroheptanesulfonic acid



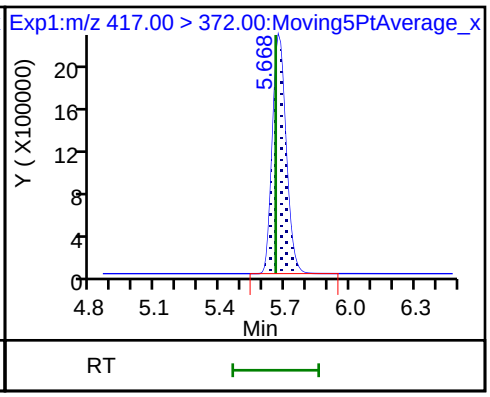
36 Perfluoroheptanesulfonic acid



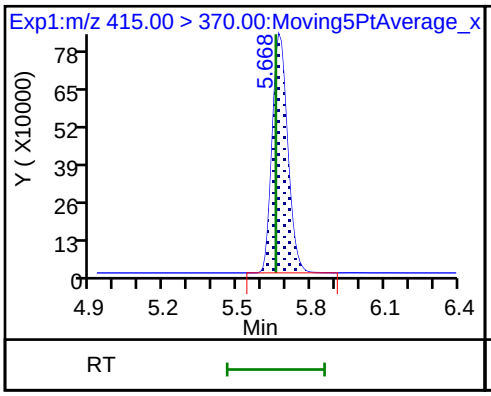
D 37 13C8 PFOA



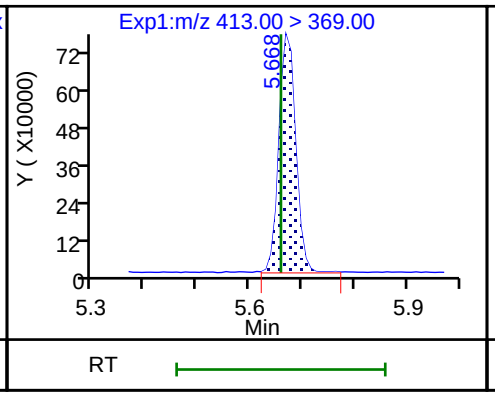
$ 39 13C4 PFOA



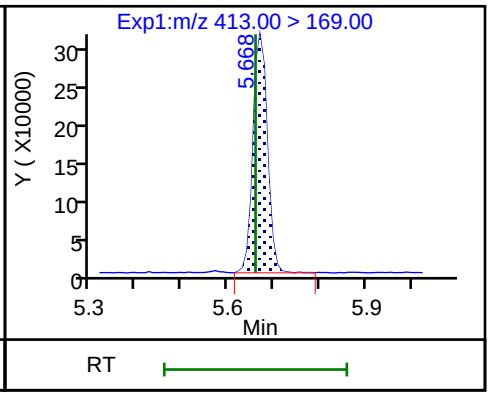
* 38 13C2 PFOA



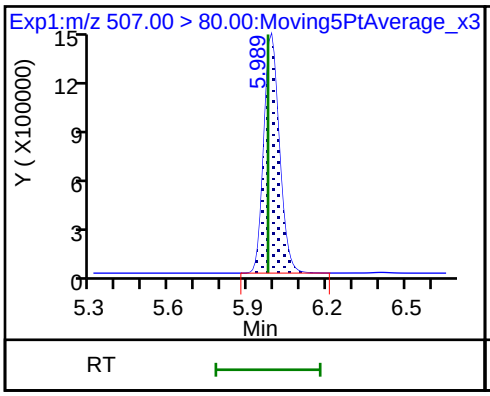
40 Perfluorooctanoic acid



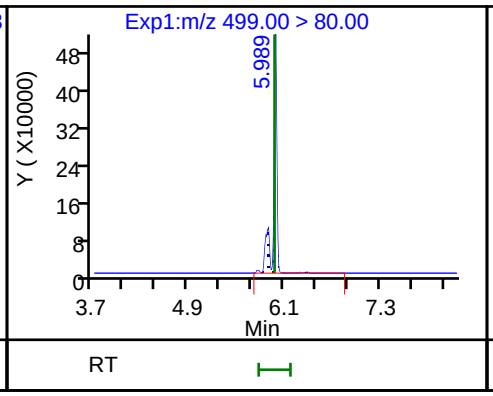
40 Perfluorooctanoic acid



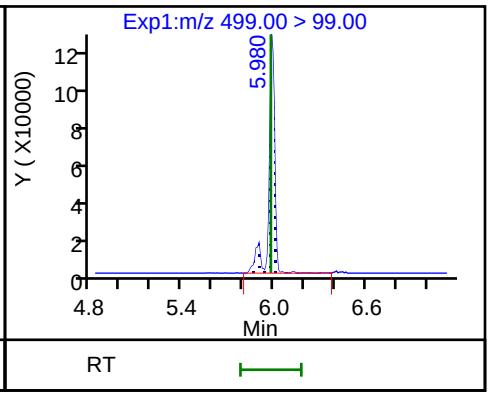
D 41 13C8 PFOS



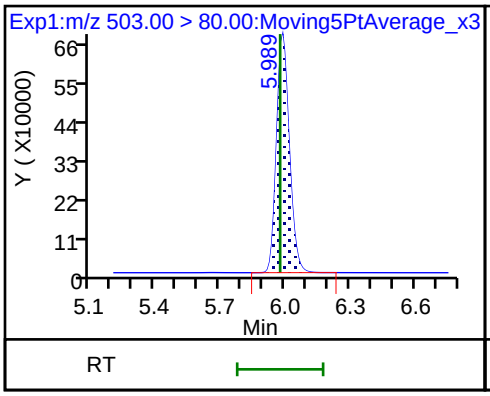
43 Perfluorooctanesulfonic acid



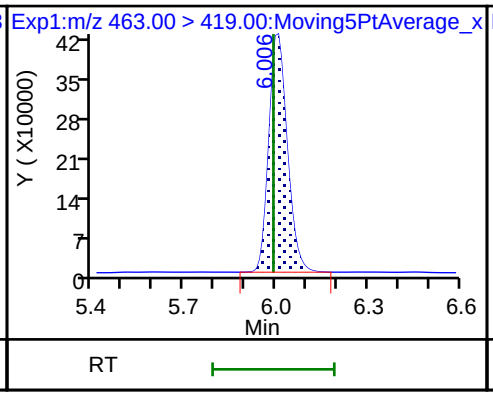
43 Perfluorooctanesulfonic acid



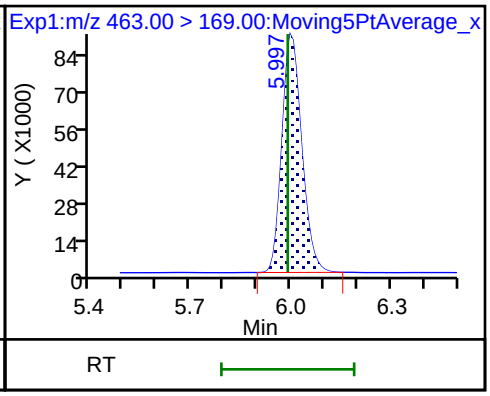
* 42 13C4 PFOS



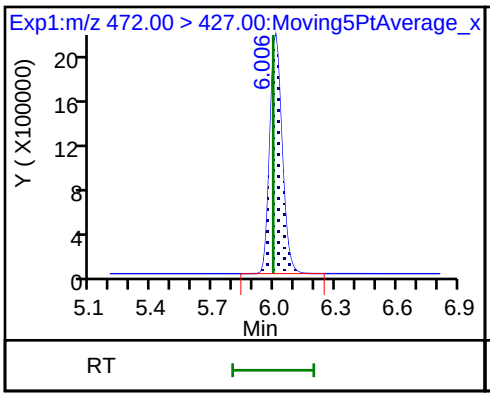
44 Perfluorononanoic acid



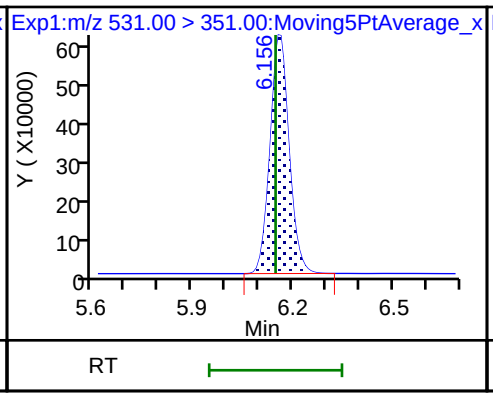
44 Perfluorononanoic acid



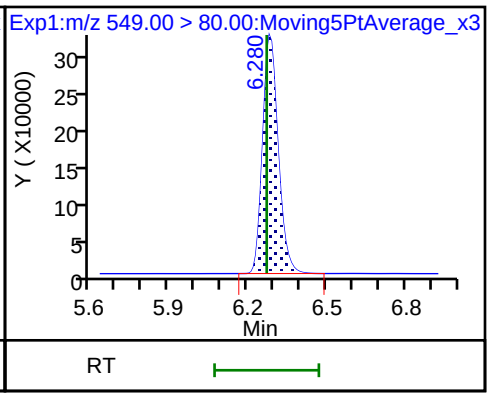
D 45 13C9 PFNA



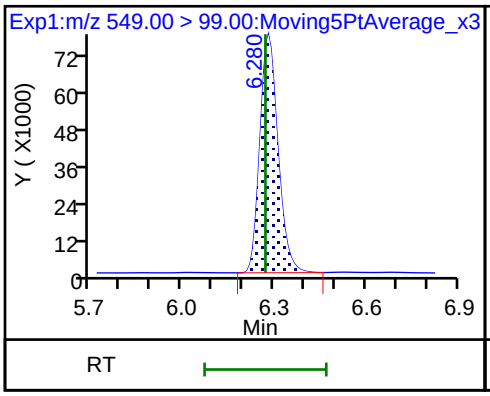
51 9ClFOS



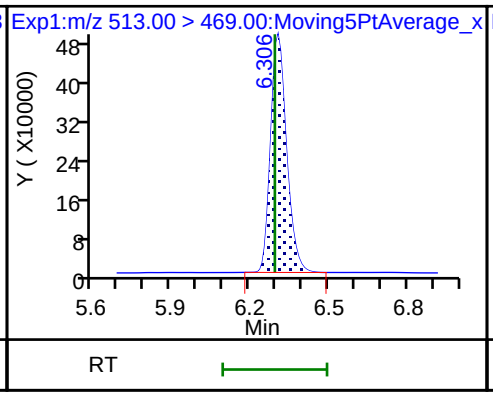
52 Perfluorononanesulfonic acid



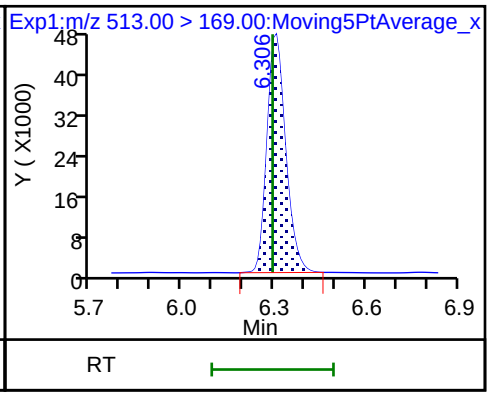
52 Perfluorononanesulfonic acid



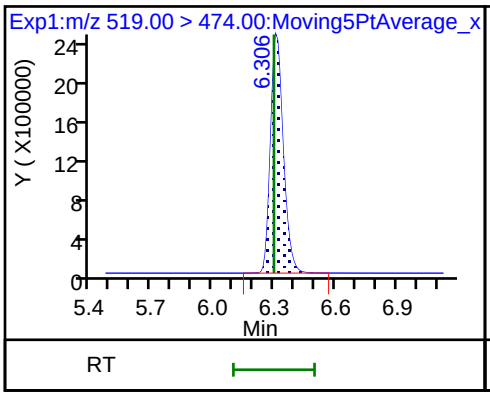
53 Perfluorodecanoic acid



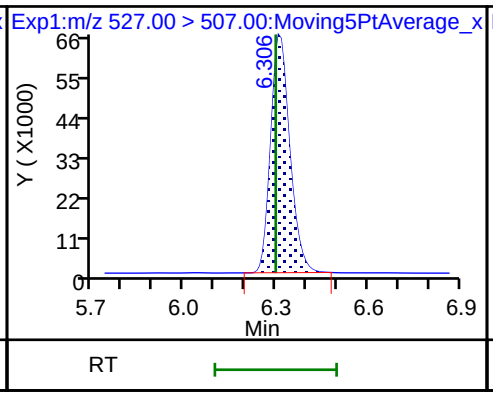
53 Perfluorodecanoic acid



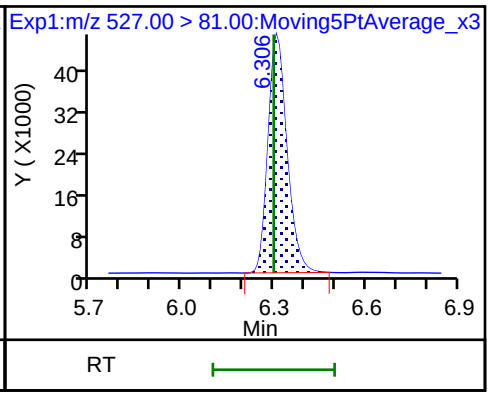
D 54 13C6 PFDA



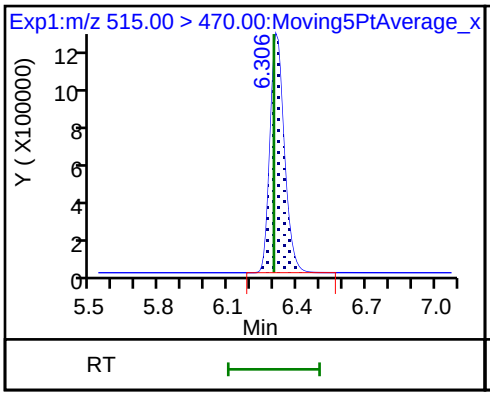
56 8:2 FTS



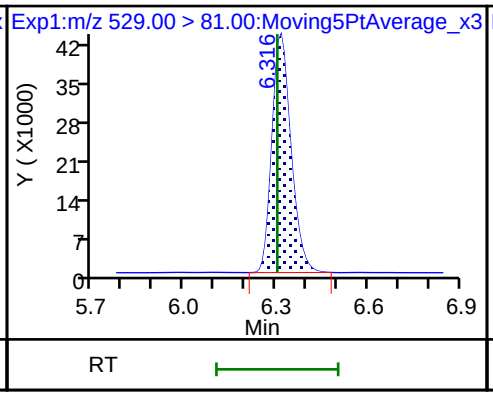
56 8:2 FTS



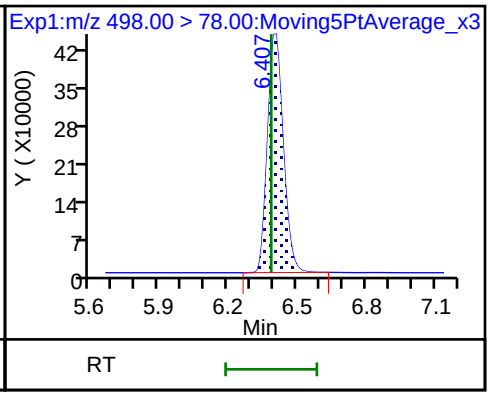
* 55 13C2 PFDA



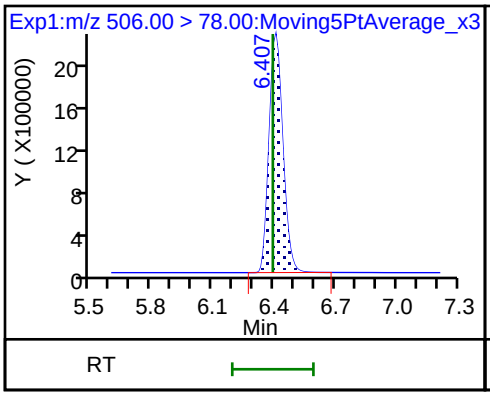
D 57 M2-8:2 FTS



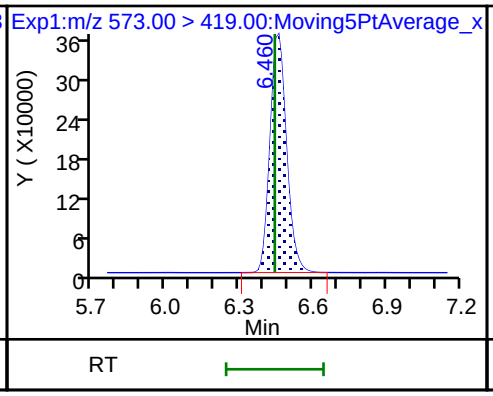
58 Perfluorooctanesulfonamide



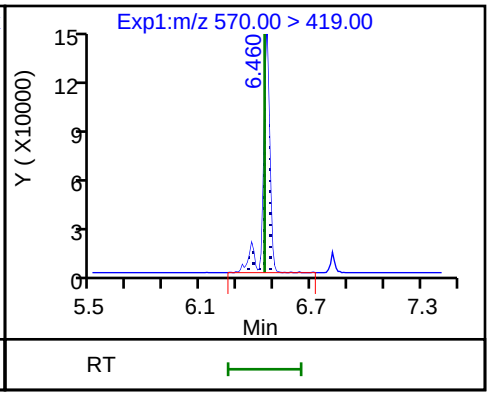
D 59 13C8 FOSA



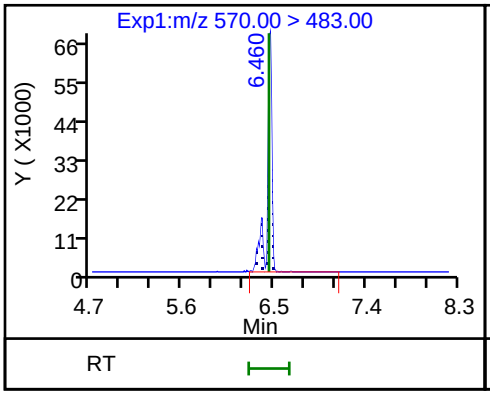
D 61 d3-NMeFOSAA



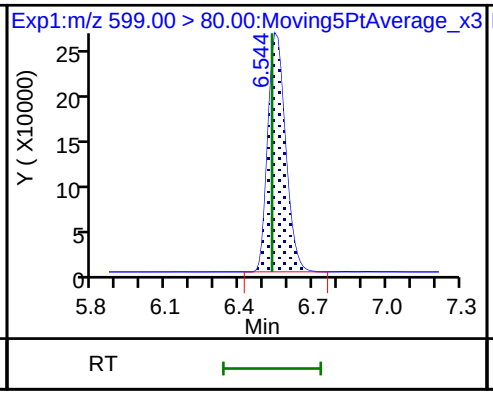
60 NMeFOSAA



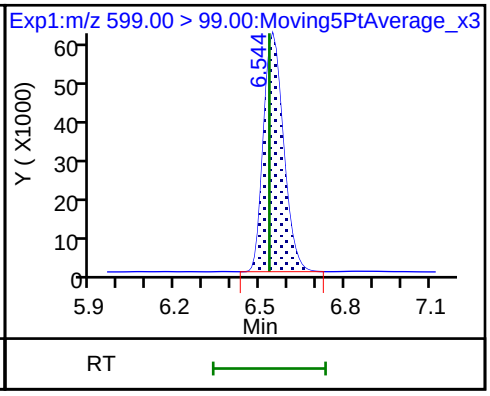
60 NMeFOSAA



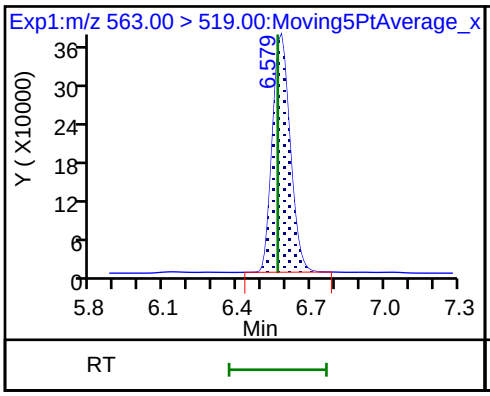
62 Perfluorodecanesulfonic acid



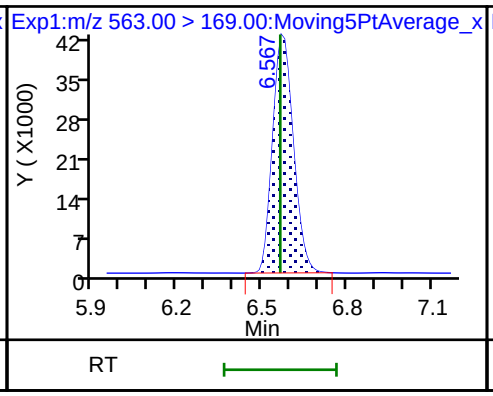
62 Perfluorodecanesulfonic acid



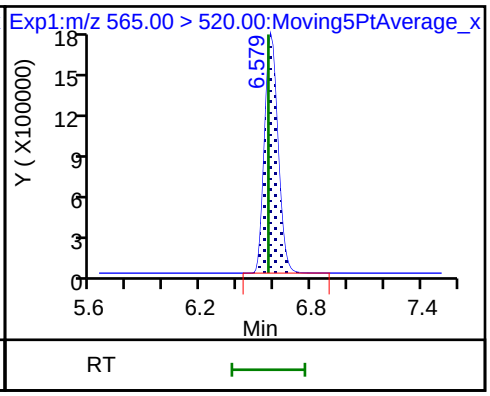
63 Perfluoroundecanoic acid



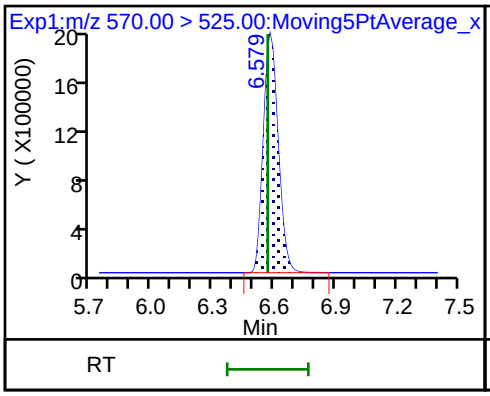
63 Perfluoroundecanoic acid



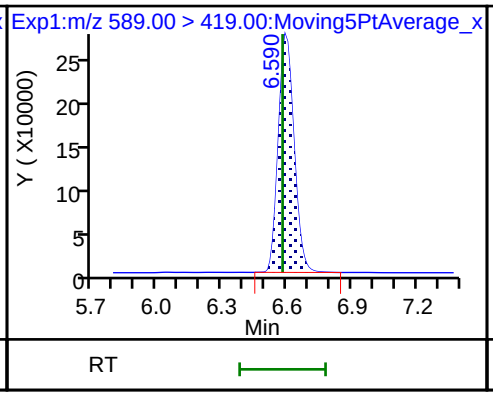
$ 64 13C2 PFUnA



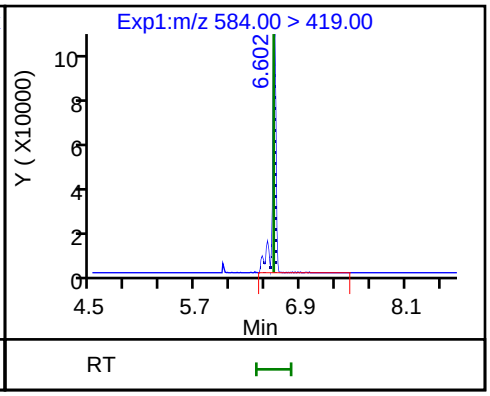
D 65 13C7 PFUnA



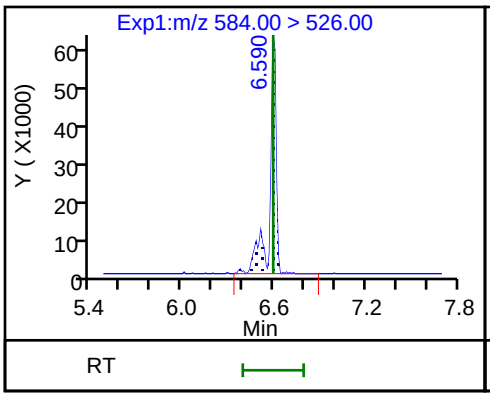
D 66 d5-NEtFOSAA



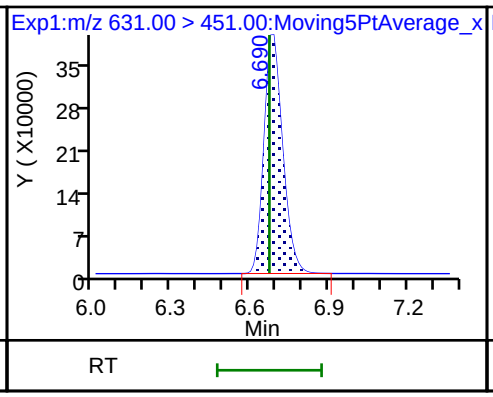
67 NEtFOSAA



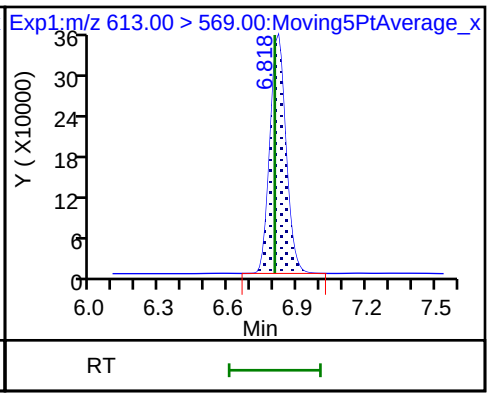
67 NEtFOSAA



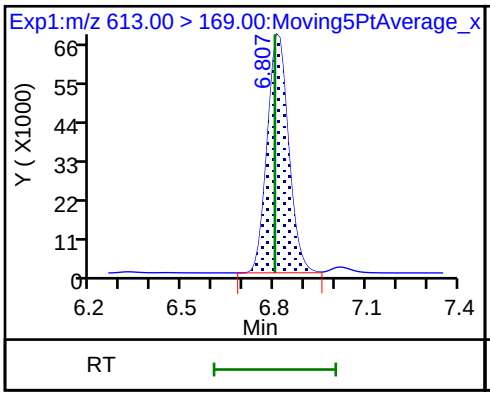
69 11ClFOS



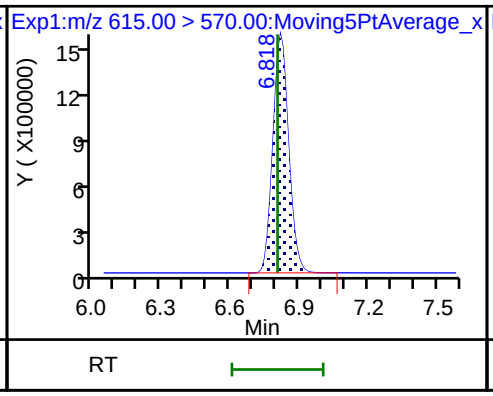
73 Perfluorododecanoic acid



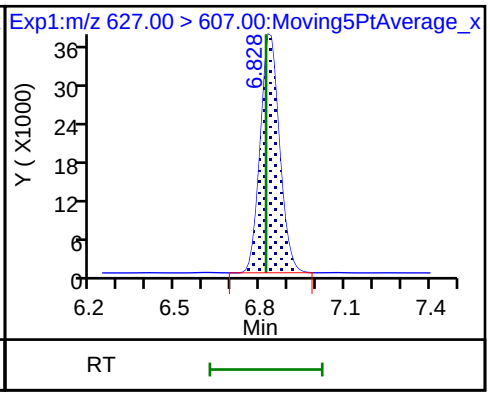
73 Perfluorododecanoic acid



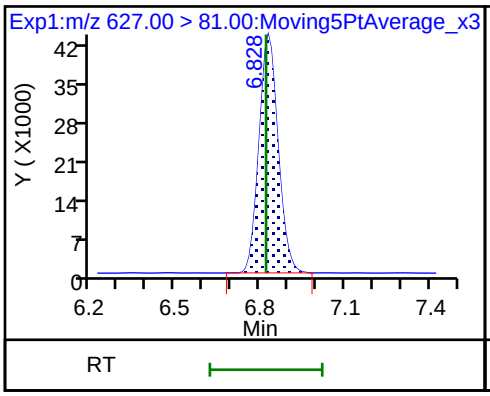
D 74 13C2-PFDoDA



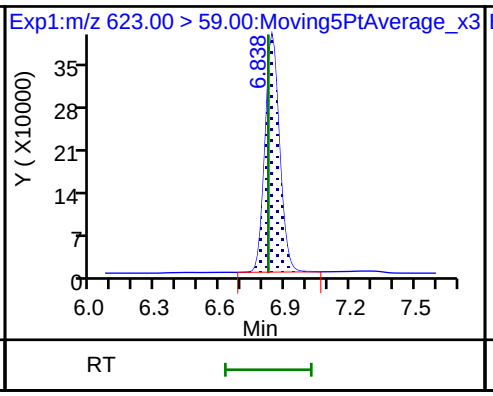
75 10:2 FTS



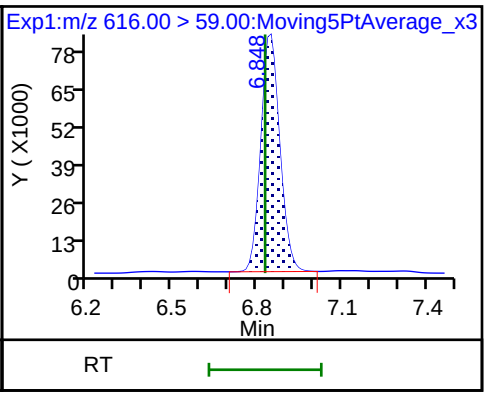
75 10:2 FTS



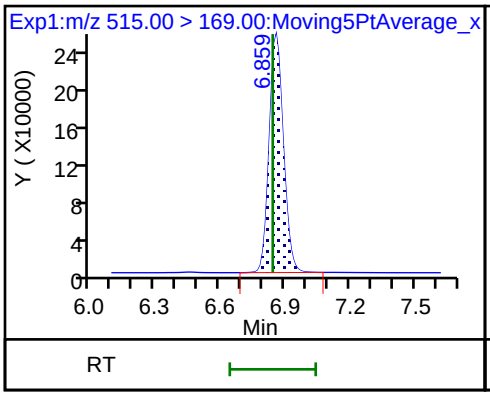
D 76 d7-N-MeFOSE-M



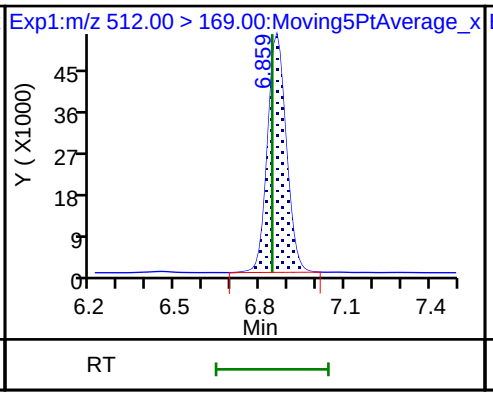
77 N-MeFOSE-M



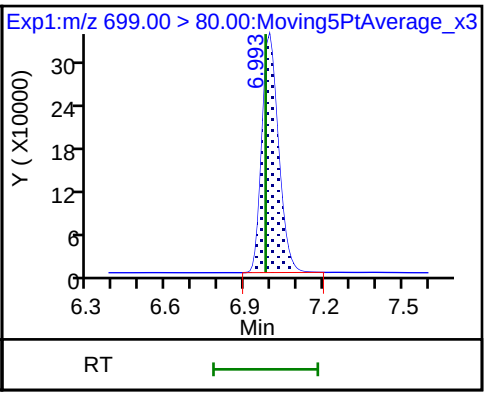
D 79 d3-NMePFOSA



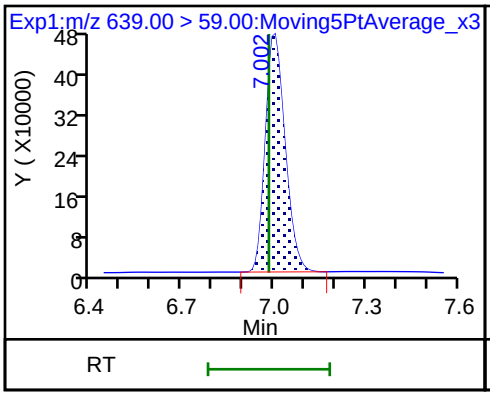
78 NMeFOSA



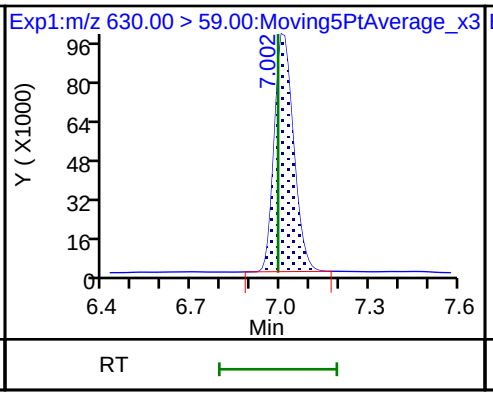
80 PFDoS



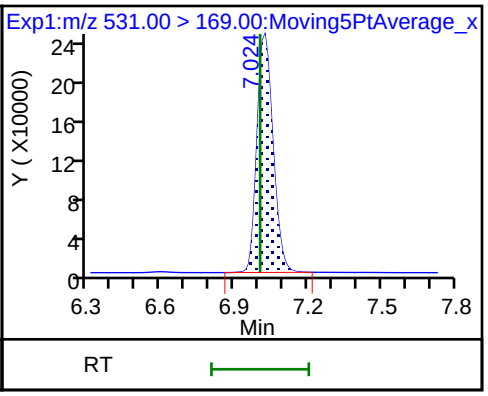
D 81 d9-N-EtFOSE-M



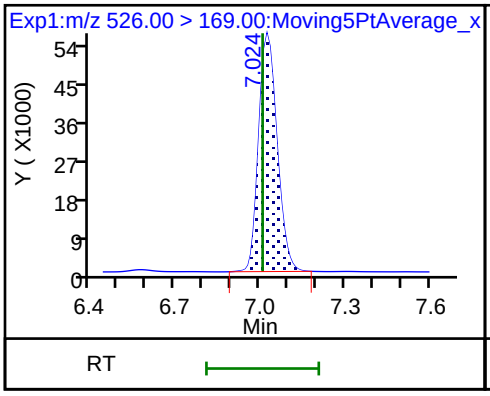
82 N-EtFOSE-M



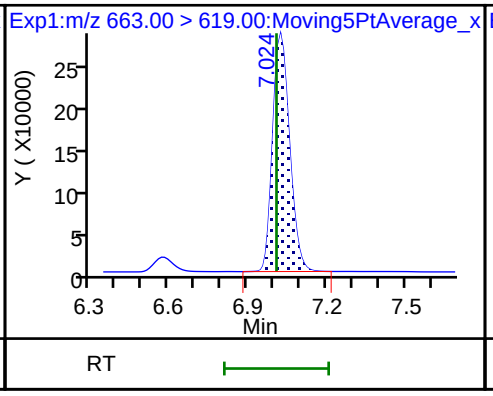
D 83 d5-NEtPFOSA



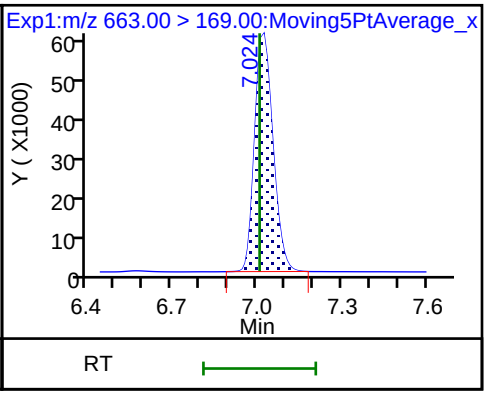
84 N-EtFOSA-M



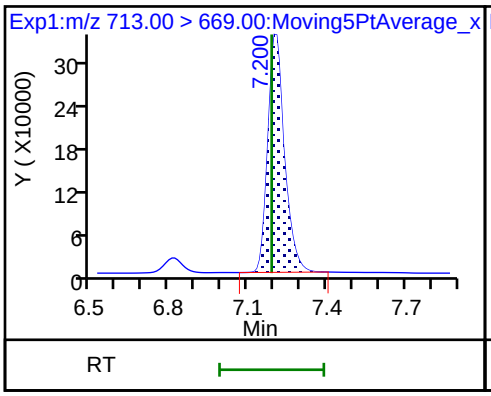
85 Perfluorotridecanoic acid



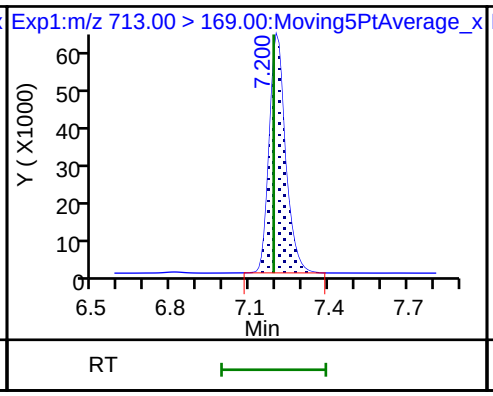
85 Perfluorotridecanoic acid



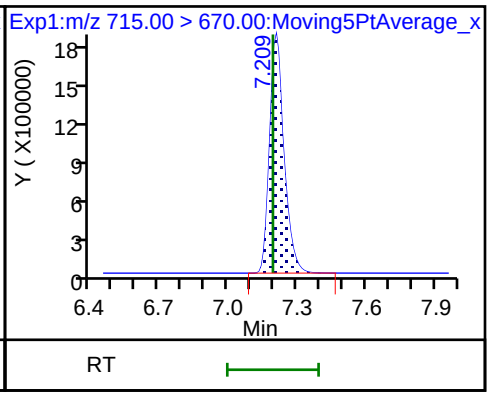
86 Perfluorotetradecanoic acid



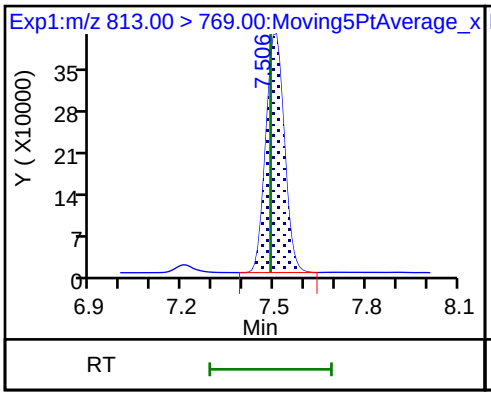
86 Perfluorotetradecanoic acid



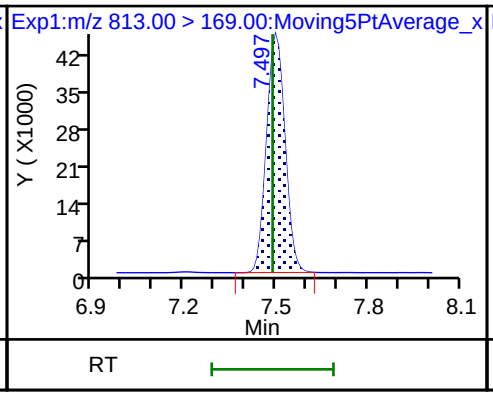
D 87 13C2 PFTeDA



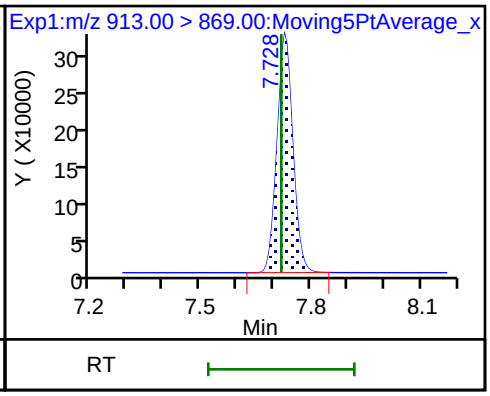
88 Perfluorohexadecanoic acid



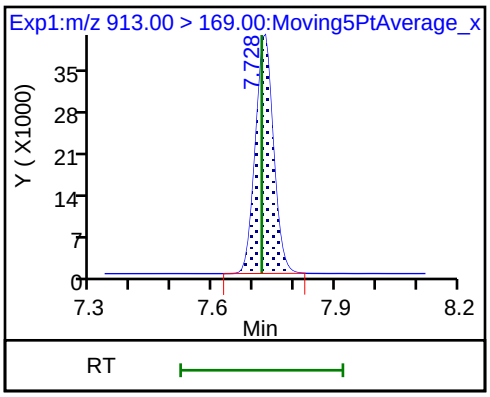
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-26.d
Lims ID: WDM
Client ID:
Sample Type: WDM
Inject. Date: 22-Jul-2021 00:27:27 ALS Bottle#: 20010 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: WDM
Misc. Info.: Plate: 1 Rack: 1 410-0034894-010
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 09:21:38 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1616

First Level Reviewer: chensh Date: 22-Jul-2021 07:59:08
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.924	3.924	0.0	1.000	8218072	9.60		96.0	242728	
* 4 13C3-PFBA										
216.00 > 172.00	3.924	3.940	-0.016		3808952	5.00			30756	
D 8 13C5 PFPeA										
268.00 > 223.00	4.461	4.461	0.0	1.137	7619661	9.62		96.2	231638	
D 11 13C3 PFBS										
302.00 > 80.00	4.516	4.516	0.0	1.151	5107756	7.68		82.0	201768	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.841	4.841	0.0	0.858	453131	9.72		104	20466	
D 19 13C5 PFHxA										
318.00 > 273.00	4.880	4.880	0.0	0.865	9480200	9.95		99.5	212207	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.880	4.898	-0.018	0.865	8037133	10.8		108	297730	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.010	5.010	0.0	0.888	823597	9.38		93.8	49142	
D 25 13C3 PFHxS										
402.00 > 80.00	5.274	5.274	0.0	0.935	6084395	9.05		95.7	186906	
D 24 13C4 PFHpA										
367.00 > 322.00	5.274	5.274	0.0	0.935	10883055	11.1		111	290407	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.630	5.630	0.0	0.998	279803	10.8		114	22109	
D 37 13C8 PFOA										
421.00 > 376.00	5.640	5.640	0.0	1.000	10596232	10.0		100.0	274940	
$ 39 13C4 PFOA										
417.00 > 372.00	5.640	5.656	-0.016	1.000	10879436	11.1		111	252672	
* 38 13C2 PFOA										
415.00 > 370.00	5.640	5.656	-0.016		3881793	5.00			150279	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.649	5.659	-0.010	1.002	1364133	1.72	Target=2.48		28675	M
413.00 > 169.00	5.640	5.659	-0.019	1.000	551673		2.47(1.24-3.72)		23359	M
D 41 13C8 PFOS										
507.00 > 80.00	5.963	5.963	0.0	0.999	6123323	9.10		95.2	78280	
* 42 13C4 PFOS										
503.00 > 80.00	5.972	5.977	-0.005		3113734	4.78			126104	
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.989	0.0	1.003	8737618	9.36		93.6	234908	
D 54 13C6 PFDA										
519.00 > 474.00	6.289	6.289	0.0	1.000	11143460	10.4		104	447659	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.298	6.298	0.0	1.001	190727	10.4		109	15047	
* 55 13C2 PFDA										
515.00 > 470.00	6.289	6.298	-0.009		5620796	5.00			270548	
D 59 13C8 FOSA										
506.00 > 78.00	6.386	6.386	0.0	1.015	11317953	10.7		107	242797	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.439	6.439	0.0	1.024	1827440	9.42		94.2	78630	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.556	6.567	-0.011	1.162	9684991	10.7		107	322400	
D 65 13C7 PFUnA										
570.00 > 525.00	6.556	6.556	0.0	1.042	10470817	10.3		103	298511	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.579	6.579	0.0	1.046	1451306	9.70		97.0	21906	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.796	6.796	0.0	1.081	7451113	9.55		95.5	254986	
D 76 d7-N-MeFOSE-M										M
623.00 > 59.00	6.818	6.818	0.0	1.084	1974433	9.62		96.2	3378	M
D 79 d3-NMePFOSA										
515.00 > 169.00	6.828	6.828	0.0	1.086	1297633	9.88		98.8	34799	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.974	6.974	0.0	1.109	2225825	9.97		99.7	13284	
D 83 d5-NEtPFOSA										
531.00 > 169.00	6.992	6.992	0.0	1.112	1296432	10.3		103	36911	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.180	7.180	0.0	1.142	7352591	8.91		89.1	293077	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFC_LB_MOD_00023 Amount Added: 200.00 Units: uL

Report Date: 22-Jul-2021 09:21:39 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-26.d

Injection Date: 22-Jul-2021 00:27:27 Instrument ID: 30733

Lims ID: WDM

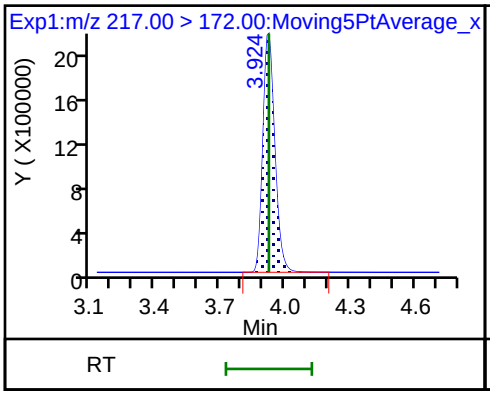
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20010 Worklist Smp#: 10

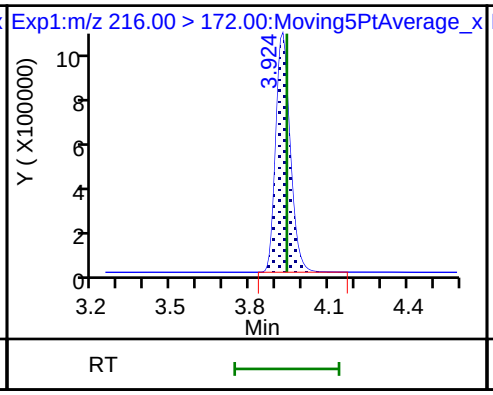
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

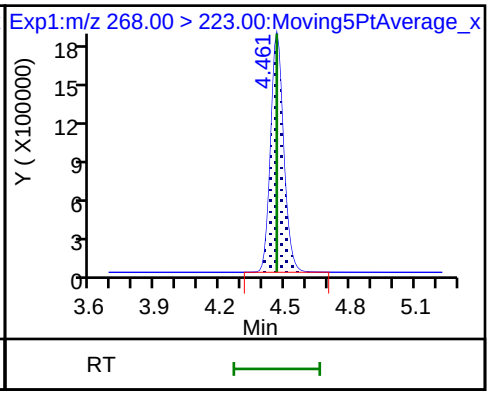
D 3 13C4 PFBA



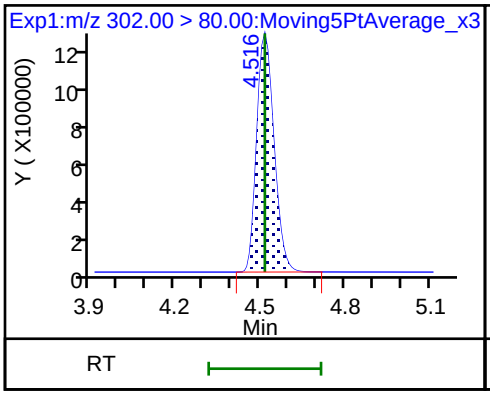
* 4 13C3-PFBA



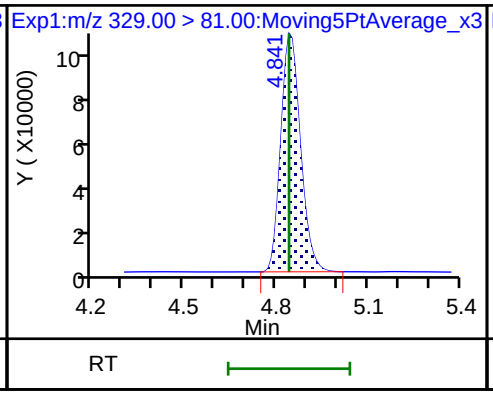
D 8 13C5 PFPeA



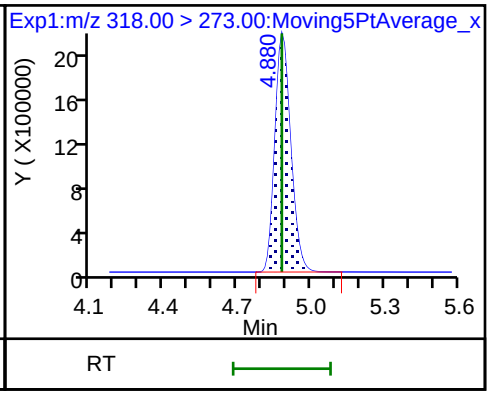
D 11 13C3 PFBS



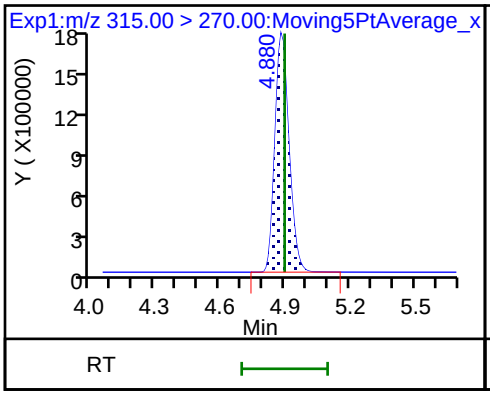
D 16 M2-4:2 FTS



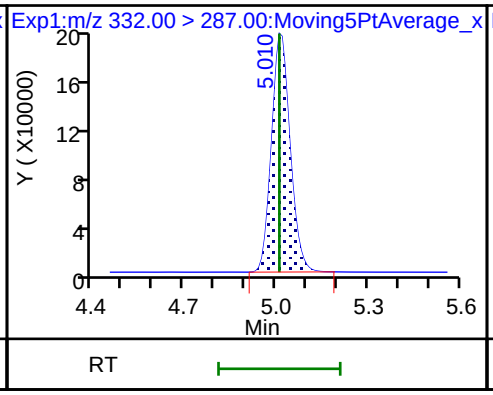
D 19 13C5 PFHxA



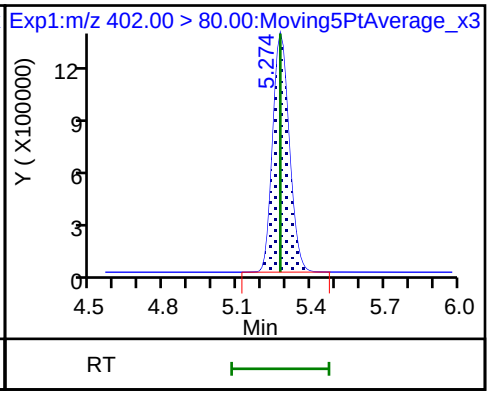
$ 18 13C2 PFHxA



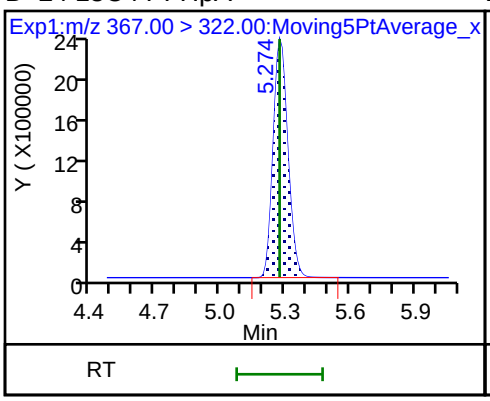
D 22 13C3 HFPO-DA



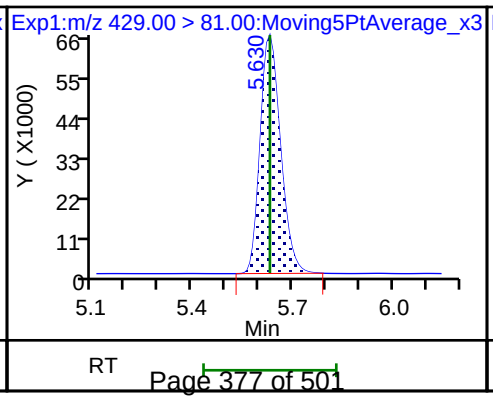
D 25 13C3 PFHxS



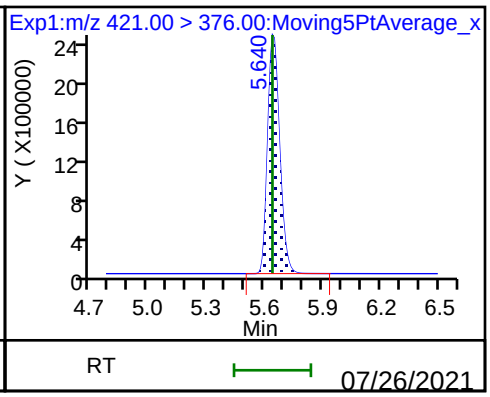
D 24 13C4 PFHpA



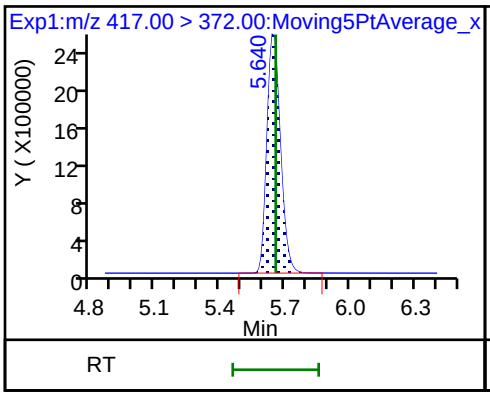
D 35 M2-6:2 FTS



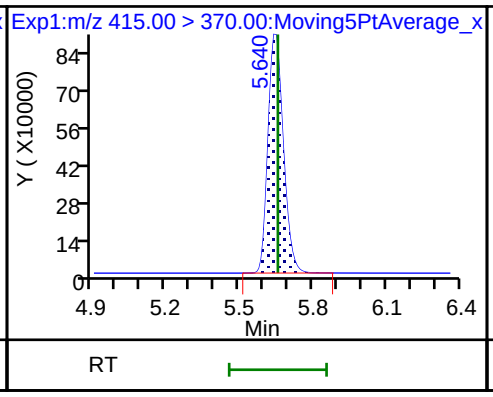
D 37 13C8 PFOA



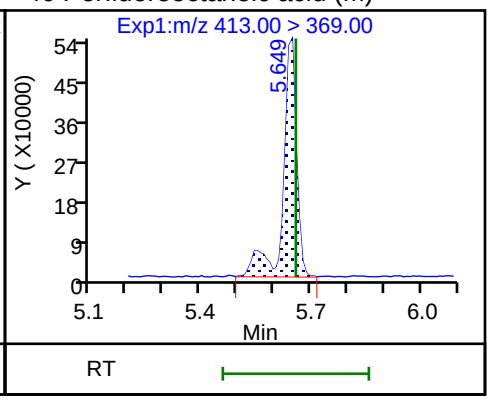
$ 39 13C4 PFOA



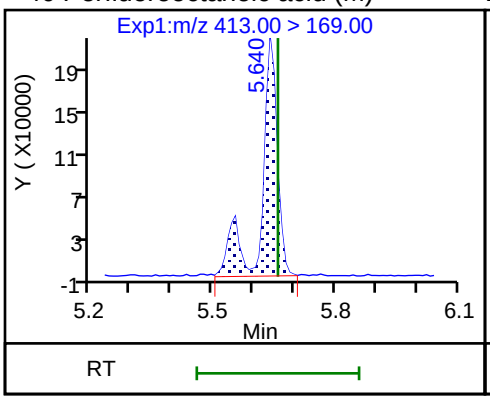
* 38 13C2 PFOA



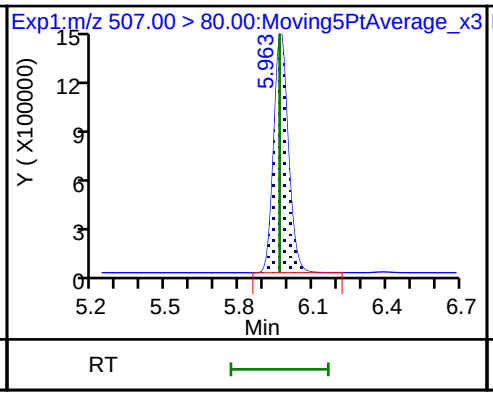
40 Perfluorooctanoic acid (M)



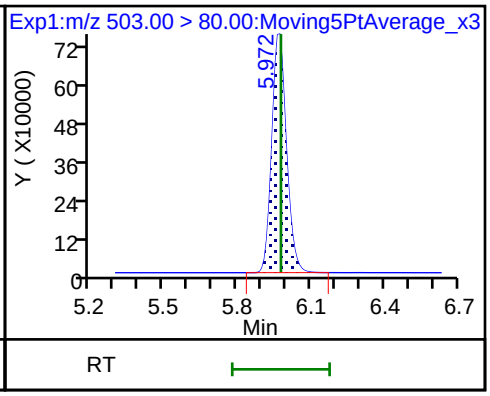
40 Perfluorooctanoic acid (M)



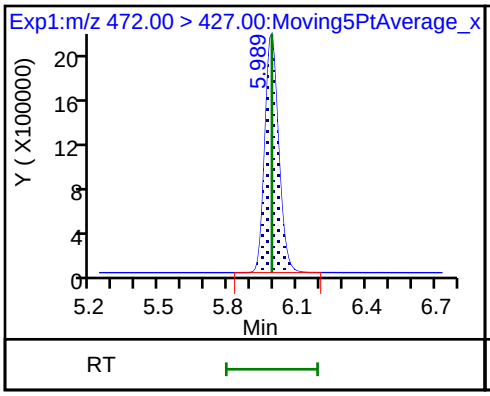
D 41 13C8 PFOS



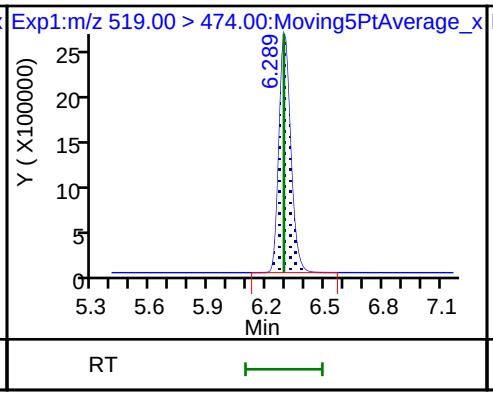
* 42 13C4 PFOS



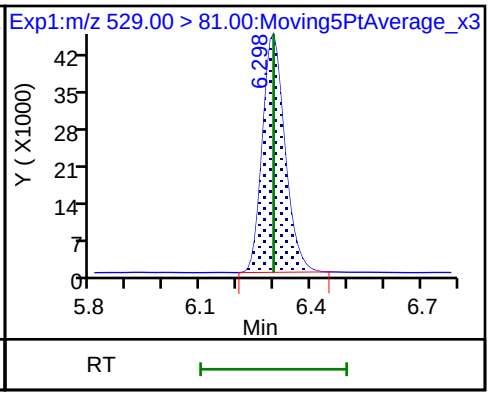
D 45 13C9 PFNA



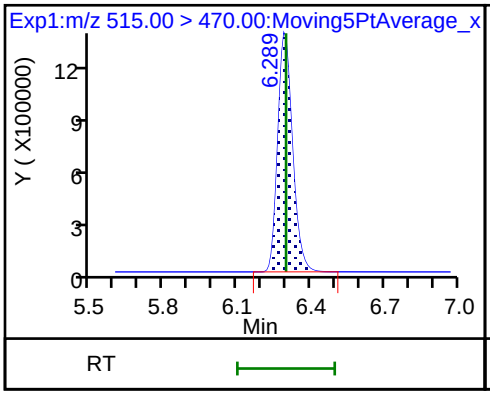
D 54 13C6 PFDA



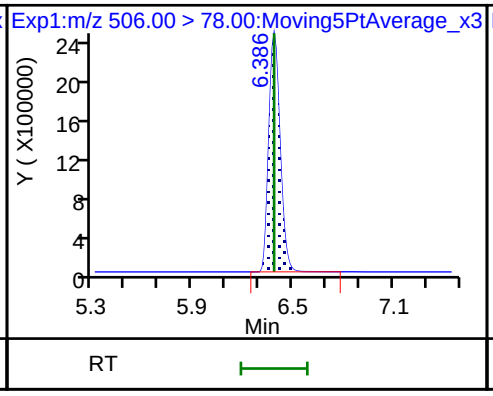
D 57 M2-8:2 FTS



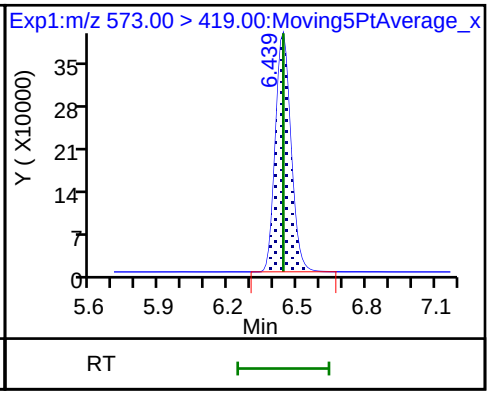
* 55 13C2 PFDA



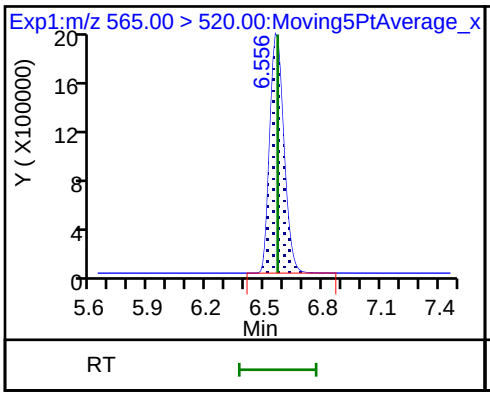
D 59 13C8 FOSA



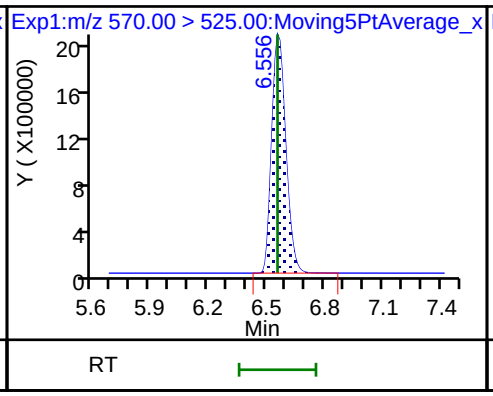
D 61 d3-NMeFOSAA



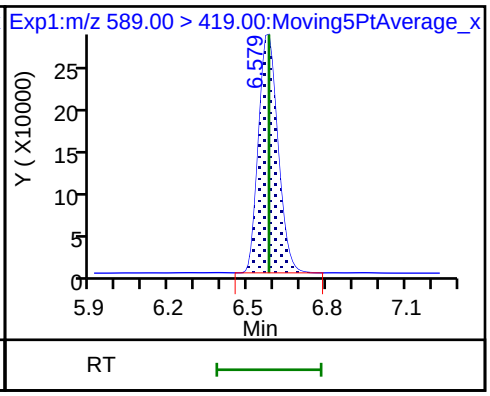
$ 64 13C2 PFUnA



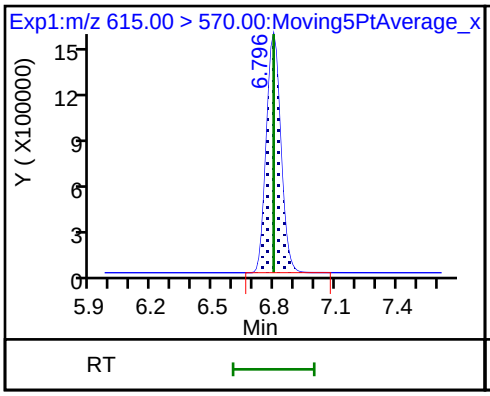
D 65 13C7 PFUnA



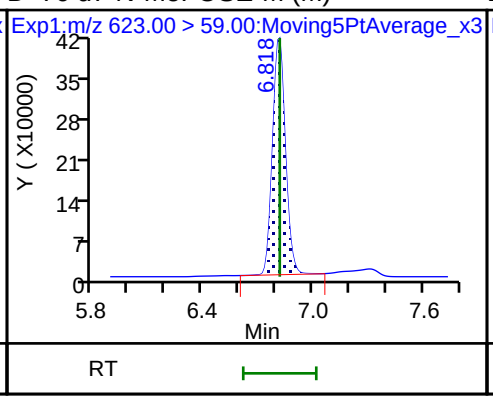
D 66 d5-NEtFOSAA



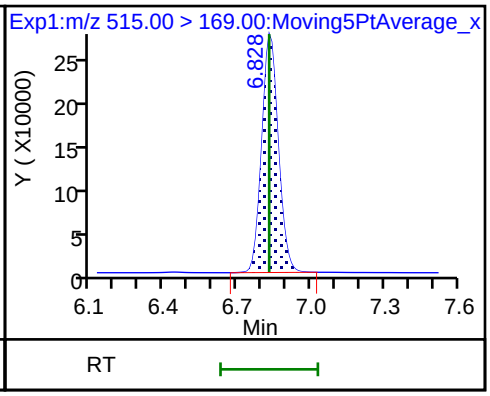
D 74 13C2-PFDoDA



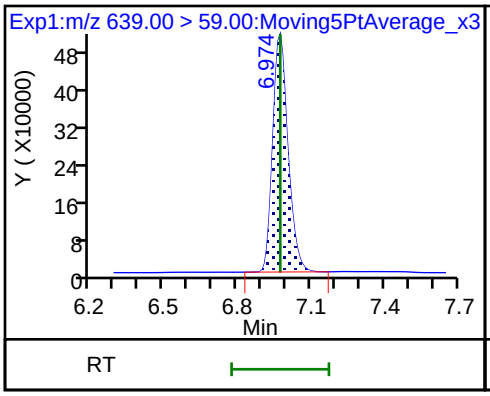
D 76 d7-N-MeFOSE-M (M)



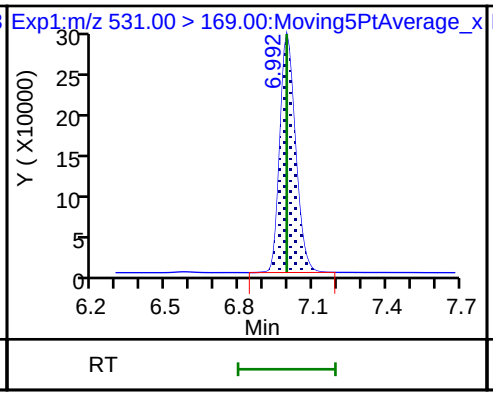
D 79 d3-NMePFOSA



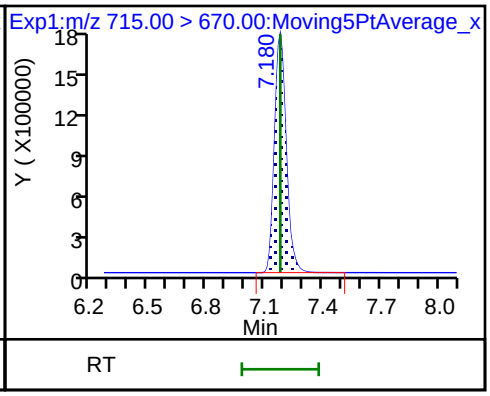
D 81 d9-N-EtFOSE-M



D 83 d5-NEtPFOSA



D 87 13C2 PFTeDA



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-150688/1-A

Matrix: Water Lab File ID: 21JUL22-44.d

Analysis Method: 537 IDA Date Collected:

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 250(mL) Date Analyzed: 07/23/2021 01:58

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151710 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	2.00	U	2.00	0.50
375-85-9	Perfluoroheptanoic acid	2.00	U	2.00	0.50
335-67-1	Perfluorooctanoic acid	2.00	U	2.00	0.50
375-95-1	Perfluorononanoic acid	2.00	U	2.00	0.50
335-76-2	Perfluorodecanoic acid	2.00	U	2.00	0.50
72629-94-8	Perfluorotridecanoic acid	2.00	U	2.00	0.50
376-06-7	Perfluorotetradecanoic acid	2.00	U	2.00	0.50
375-73-5	Perfluorobutanesulfonic acid	2.00	U	2.00	0.50
355-46-4	Perfluorohexanesulfonic acid	2.00	U	2.00	0.50
1763-23-1	Perfluorooctanesulfonic acid	0.725	J	2.00	0.50
2991-50-6	NEtFOSAA	3.00	U	3.00	0.50
2355-31-9	NMeFOSAA	2.00	U	2.00	0.60
375-92-8	Perfluoroheptanesulfonic acid	2.00	U	2.00	0.50
335-77-3	Perfluorodecanesulfonic acid	2.00	U	2.00	0.50
754-91-6	Perfluorooctanesulfonamide	2.00	U	2.00	0.50
375-22-4	Perfluorobutanoic acid	5.00	U	5.00	2.00
2058-94-8	Perfluoroundecanoic acid	2.00	U	2.00	0.50
307-55-1	Perfluorododecanoic acid	2.00	U	2.00	0.50
27619-97-2	6:2 Fluorotelomer sulfonic acid	5.00	U	5.00	2.00
39108-34-4	8:2 Fluorotelomer sulfonic acid	3.00	U	3.00	1.00
2706-90-3	Perfluoropentanoic acid	2.00	U	2.00	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-150688/1-A

Matrix: Water Lab File ID: 21JUL22-44.d

Analysis Method: 537 IDA Date Collected:

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 250(mL) Date Analyzed: 07/23/2021 01:58

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151710 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	122		34-182
STL02279	M2-6:2 FTS	126		29-189
STL02577	13C5 PFHxA	96		31-142
STL01892	13C4 PFHpA	98		30-144
STL01052	13C8 PFOA	94		49-127
STL02578	13C9 PFNA	93		47-136
STL02579	13C6 PFDA	99		47-128
STL02580	13C7 PFUnA	105		40-135
STL02703	13C2-PFDoDA	98		28-136
STL02116	13C2 PFTeDA	93		10-144
STL02337	13C3 PFBS	86		19-178
STL02581	13C3 PFHxS	87		32-145
STL01054	13C8 PFOS	90		49-126
STL02118	d3-NMeFOSAA	81		32-151
STL02117	d5-NEtFOSAA	115		37-164
STL01056	13C8 FOSA	69		10-143
STL00992	13C4 PFBA	94		41-132
STL01893	13C5 PFPeA	97		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-44.d
Lims ID: MB 410-150688/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Jul-2021 01:58:20 ALS Bottle#: 14 Worklist Smp#: 116
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-150688/1-A
Misc. Info.: Plate: 3 Rack: 1 410-0035007-116
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 15:52:34 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 15:52:34
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
107 MTP 175.00 > 97.00		1.489				ND				
1 PPF Acid 163.00 > 119.00	1.880	1.822	0.058	0.476	22666	NC			82.8	
96 PFMOAA 179.00 > 85.00		2.913				ND				
D 3 13C4 PFBA 217.00 > 172.00	3.948	3.938	0.010	1.000	8777517	9.38		93.8	282493	
2 Perfluorobutanoic acid 213.00 > 169.00		3.938				0				
* 4 13C3-PFBA 216.00 > 172.00	3.948	3.940	0.008		4164359	5.00			39419	
99 R-EVE 405.00 > 217.00	3.948	3.967	-0.019	1.000	1256	NC			82.5	
100 R-PSDA 441.00 > 241.00		3.967				ND				
105 Hydrolyzed PSDA 439.00 > 343.00		3.980				ND				
102 PMPA 229.00 > 185.00	4.069	4.098	-0.029	1.031	2454	NC			11.3	
5 PFPrS 249.00 > 99.00		4.164				ND				
103 NVHOS 297.00 > 135.00		4.201				ND				
6 PFECA F 229.00 > 85.00	4.181	4.220	-0.039	1.059	2730	NC			360	
92 PFO2HxA 245.00 > 85.00		4.408				ND				

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
7 Perfluoropentanoic acid										
263.00 > 219.00		4.471				0				
D 8 13C5 PFPeA										
268.00 > 223.00	4.487	4.475	0.012	1.137	8370050	9.67		96.7	252520	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00		4.525				0				
299.00 > 99.00		4.525								
9 3:3 FTCA										
241.00 > 177.00		4.528				ND				
D 11 13C3 PFBS										
302.00 > 80.00	4.535	4.528	0.007	1.149	5845699	8.03		86.4	227833	
91 PEPA										
279.00 > 235.00		4.634				ND				
12 PFECA A										
279.00 > 85.00		4.660				ND				
13 PES										
315.00 > 135.00		4.753				ND				
15 4:2 FTS										
327.00 > 307.00		4.853				ND				
327.00 > 81.00		4.853								
D 16 M2-4:2 FTS										
329.00 > 81.00	4.871	4.858	0.013	0.859	609074	11.8		127	22803	
14 PFECA B										
201.00 > 85.00		4.882				ND				
295.00 > 201.00		4.882								
17 Perfluorohexanoic acid										
313.00 > 269.00		4.891				0				
313.00 > 119.00		4.891								
D 19 13C5 PFHxA										
318.00 > 273.00	4.910	4.896	0.014	0.866	10071437	9.57		95.7	276163	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.900	4.898	0.002	0.865	3499	0.004273			276	
20 Perfluoropentanesulfonic acid										
349.00 > 80.00		4.911				ND				
349.00 > 99.00		4.911								
93 PFO3OA										
311.00 > 85.00		5.008				ND				
21 HFPO-DA										
329.00 > 285.00		5.025				ND				
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.036	5.027	0.009	0.888	797777	8.23		82.3	64536	
23 Perfluoroheptanoic acid										
363.00 > 319.00		5.286				0				
363.00 > 169.00		5.286								
D 25 13C3 PFHxS										
402.00 > 80.00	5.295	5.289	0.006	0.934	6110364	8.24		87.1	220593	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 24 13C4 PFHpA										
367.00 > 322.00	5.295	5.292	0.003	0.934	10615204	9.84		98.4	253286	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00		5.292				0				
399.00 > 99.00		5.292								
97 Hydro-EVE Acid										
427.00 > 283.00		5.302				ND				
94 R-PSDCA										
397.00 > 217.00		5.305				ND				
106 Hydro-PS Acid										
463.00 > 263.00		5.320				ND				
27 DONA										
377.00 > 251.00		5.336				ND				
98 PFECA G										
379.00 > 185.00		5.410				ND				
28 5:3 FTCA										
341.00 > 237.00		5.428				ND				
339.00 > 295.00		5.428								
29 6:2 FTUCA										
357.00 > 293.00	5.401	5.447	-0.046	1.000	8621	NC			200	
D 30 13C-6:2 FTUCA										
359.00 > 294.00	5.401	5.450	-0.049	0.953	4854252	NC		0.0	134477	
32 6:2 FTCA										
377.00 > 293.00		5.467				ND				
D 31 13C-6:2 FTCA										
379.00 > 294.00	5.417	5.468	-0.051	0.956	831941	NC		0.0	41851	
95 PFO4DA										
377.00 > 85.00	5.503	5.523	-0.020	1.394	2975	NC			82.9	
104 PS Acid										
443.00 > 147.00		5.565				ND				
90 EVE Acid										
407.00 > 263.00		5.583				ND				
34 6:2 FTS										
427.00 > 407.00		5.638				0				
427.00 > 81.00		5.638								
D 35 M2-6:2 FTS										
429.00 > 81.00	5.649	5.640	0.009	0.997	341502	12.0		126	19713	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00		5.642				ND				
449.00 > 99.00		5.642								
D 37 13C8 PFOA										
421.00 > 376.00	5.659	5.656	0.003	0.998	11019240	9.42		94.2	283525	
$ 39 13C4 PFOA										
417.00 > 372.00	5.659	5.656	0.003	0.998	105130	0.0972			8134	
* 38 13C2 PFOA										
415.00 > 370.00	5.668	5.656	0.012		4284883	5.00			163992	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorooctanoic acid										
413.00 > 369.00		5.659				0				
413.00 > 169.00		5.659								
33 PFECHS										
461.00 > 381.00		5.659				ND				
461.00 > 99.00		5.659								
101 TAF										
443.00 > 85.00		5.957				ND				
D 41 13C8 PFOS										
507.00 > 80.00	5.981	5.975	0.006	1.000	6146444	8.60		90.0	94131	
43 Perfluorooctanesulfonic acid										M
499.00 > 80.00	5.989	5.977	0.012	1.001	127326	0.1812	Target=4.45		14029	M
499.00 > 99.00	5.972	5.977	-0.005	0.999	32019		3.98(2.23-6.68)		7981	M
* 42 13C4 PFOS										
503.00 > 80.00	5.981	5.977	0.004		3307951	4.78			115705	
44 Perfluorononanoic acid										
463.00 > 419.00		5.990				ND				
463.00 > 169.00		5.990								
D 45 13C9 PFNA										
472.00 > 427.00	5.998	5.994	0.004	1.003	9213116	9.28		92.8	319874	
51 9ClFOS										
531.00 > 351.00		6.147				ND				
46 7:3 FTCA										
441.00 > 337.00		6.158				ND				
47 8:2 FTUCA										
457.00 > 393.00	6.101	6.164	-0.063	0.998	3417	NC			277	
D 48 13C-8:2 FTUCA										
459.00 > 394.00	6.111	6.166	-0.055	0.970	4428006	NC		0.0	172902	
49 8:2 FTCA										
477.00 > 393.00		6.180				ND				
D 50 13C-8:2 FTCA										
479.00 > 394.00	6.121	6.182	-0.061	0.972	530514	NC		0.0	41724	
52 Perfluorononanesulfonic acid										
549.00 > 80.00		6.270				ND				
549.00 > 99.00		6.270								
53 Perfluorodecanoic acid										
513.00 > 469.00		6.294				0				
513.00 > 169.00		6.294								
D 54 13C6 PFDA										
519.00 > 474.00	6.306	6.298	0.008	1.001	11481125	9.86		98.6	384824	
56 8:2 FTS										
527.00 > 507.00		6.298				0				
527.00 > 81.00		6.298								
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.298	0.0		6123918	5.00			240693	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.306	6.303	0.003	1.001	233403	11.7		122	18408	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.397	6.386	0.011	1.000	92143	0.1177			2761	
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.392	0.005	1.016	7908408	6.87		68.7	210906	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.449	6.443	0.006	1.024	1701806	8.05		80.5	91425	
60 NMeFOSAA										
570.00 > 419.00		6.446				ND				
570.00 > 483.00		6.446								
62 Perfluorodecanesulfonic acid										
599.00 > 80.00		6.532				ND				
599.00 > 99.00		6.532								
63 Perfluoroundecanoic acid										
563.00 > 519.00		6.564				ND				
563.00 > 169.00		6.564								
$ 64 13C2 PFUnA										
565.00 > 520.00	6.579	6.567	0.012	1.161	6356	0.006389			422	
D 65 13C7 PFUnA										
570.00 > 525.00	6.568	6.567	0.001	1.043	11685162	10.5		105	287250	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.591	6.579	0.012	1.047	1867259	11.5		115	30559	
67 NEtFOSAA										
584.00 > 419.00		6.592				ND				
584.00 > 526.00		6.592								
69 11ClFOS										
631.00 > 451.00		6.673				ND				
68 10:2 FTUCA										
557.00 > 493.00	6.680	6.738	-0.058	1.000	4333	NC			64.8	
D 70 13C-10:2 FTUCA										
559.00 > 494.00	6.680	6.741	-0.061	1.061	5238060	NC		0.0	179592	
71 10:2 FTCA										
577.00 > 493.00		6.753				ND				
D 72 13C-10:2 FTCA										
579.00 > 494.00	6.690	6.758	-0.068	1.062	431529	NC		0.0	29327	
73 Perfluorododecanoic acid										
613.00 > 569.00		6.802				ND				
613.00 > 169.00		6.802								
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.805	0.003	1.081	8324056	9.79		97.9	248102	
75 10:2 FTS										
627.00 > 607.00		6.820				ND				
627.00 > 81.00		6.820								
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.829	6.822	0.007	1.084	1532642	6.85		68.5	5893	
77 N-MeFOSE-M										
616.00 > 59.00		6.828				ND				

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 79 d3-NMePFOSA										
515.00 > 169.00	6.849	6.842	0.007	1.088	543229	3.80		38.0	16973	
78 NMeFOSA										
512.00 > 169.00		6.842				ND				
80 PFDoS										
699.00 > 80.00		6.978				ND				
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.993	6.982	0.010	1.110	1772821	7.29		72.9	9515	
82 N-EtFOSE-M										
630.00 > 59.00		6.991				ND				
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.012	7.004	0.008	1.113	592822	4.32		43.2	16386	
84 N-EtFOSA-M										
526.00 > 169.00		7.008				ND				
85 Perfluorotridecanoic acid										
663.00 > 619.00		7.008				ND				
663.00 > 169.00		7.008								
86 Perfluorotetradecanoic acid										
713.00 > 669.00		7.189				ND				
713.00 > 169.00		7.189								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.199	7.193	0.006	1.143	8356267	9.29		92.9	281985	
88 Perfluorohexadecanoic acid										
813.00 > 769.00		7.487				0				
813.00 > 169.00		7.487								
89 Perfluorooctadecanoic acid										
913.00 > 869.00		7.719				ND				
913.00 > 169.00		7.719								

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 15:52:36 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-44.d

Injection Date: 23-Jul-2021 01:58:20 Instrument ID: 30733

Lims ID: MB 410-150688/1-A

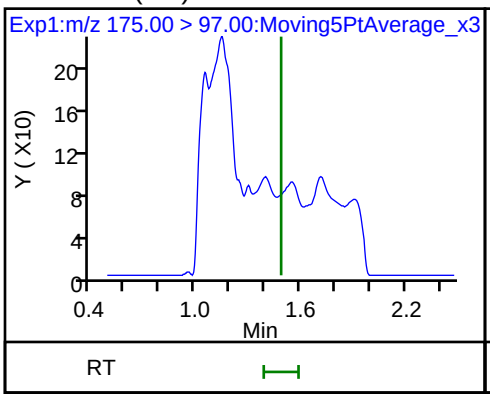
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 14 Worklist Smp#: 116

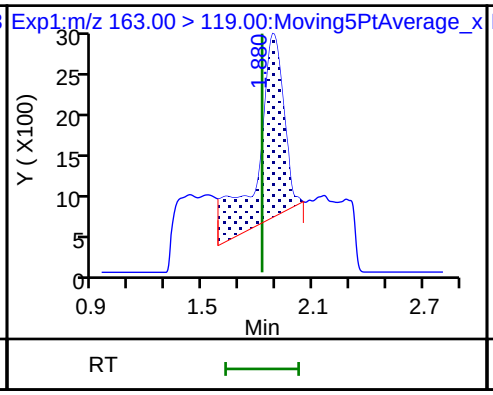
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

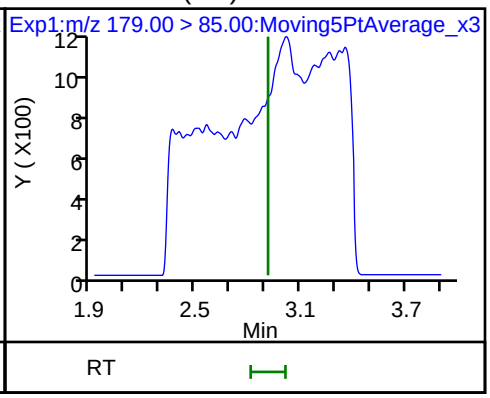
107 MTP (ND)



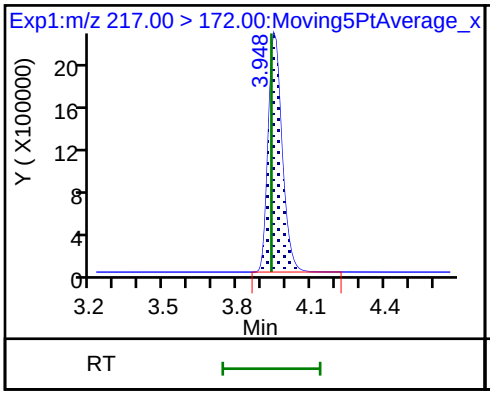
1 PPF Acid



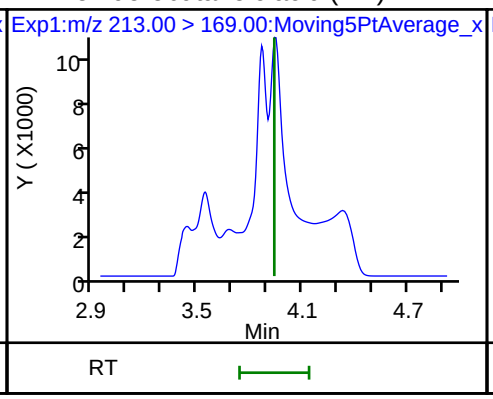
96 PFMOAA (ND)



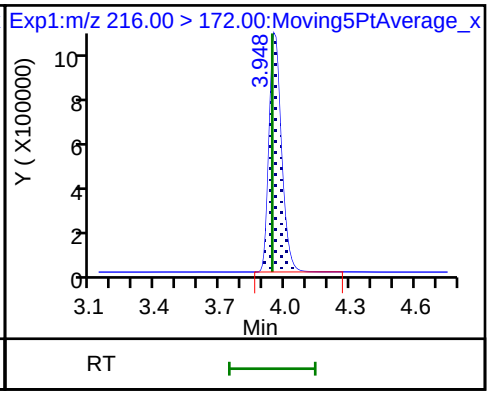
D 3 13C4 PFBA



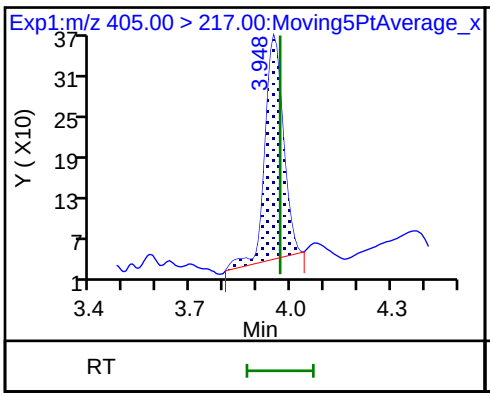
2 Perfluorobutanoic acid (ND)



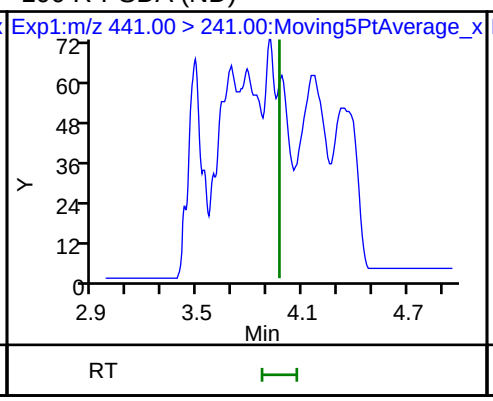
* 4 13C3-PFBA



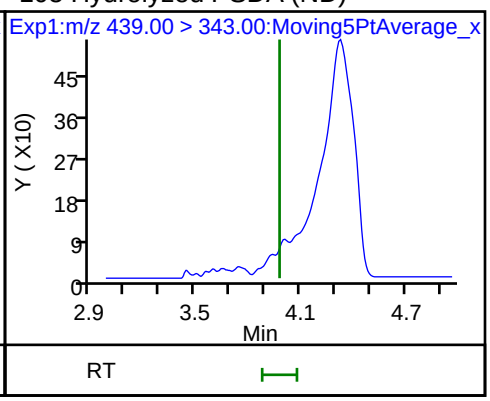
99 R-EVE



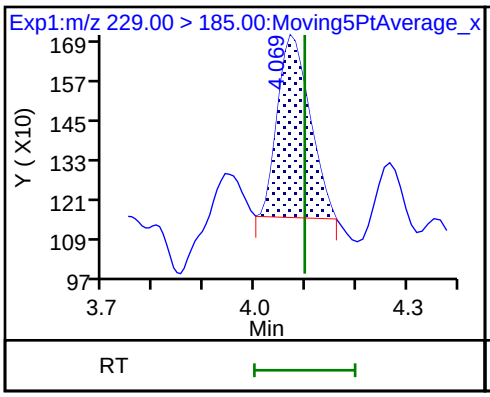
100 R-PSDA (ND)



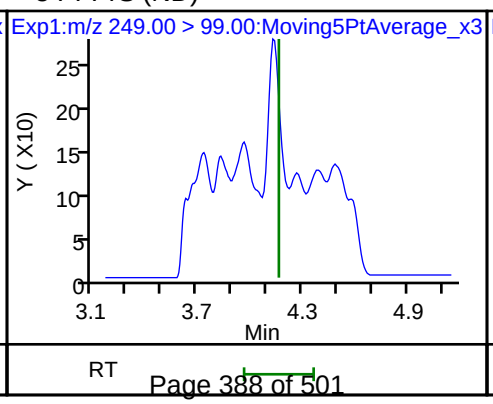
105 Hydrolyzed PSDA (ND)



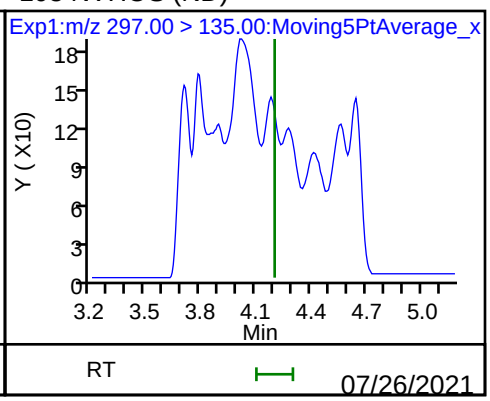
102 PMPA



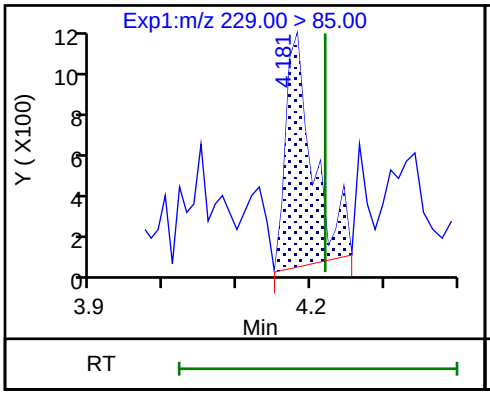
5 PFPrS (ND)



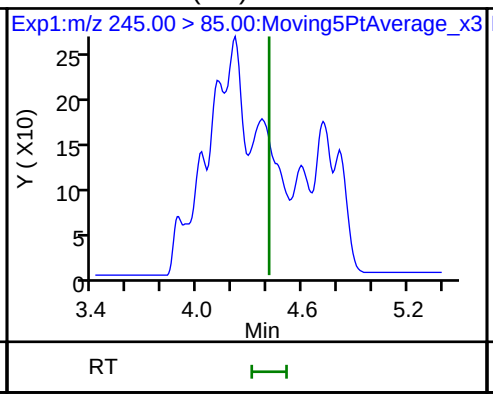
103 NVHOS (ND)



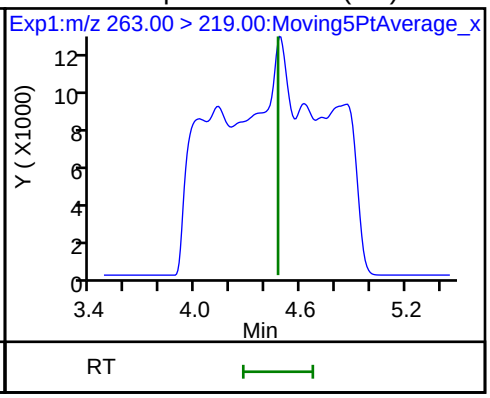
6 PFECA F



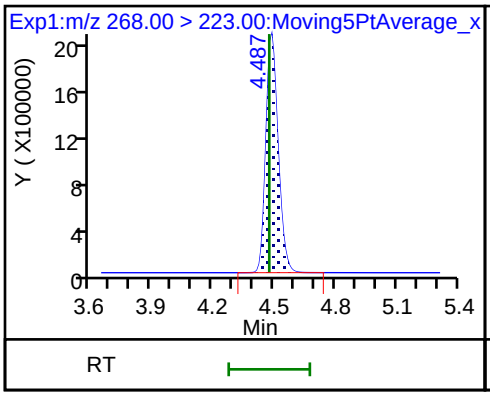
92 PFO2HxA (ND)



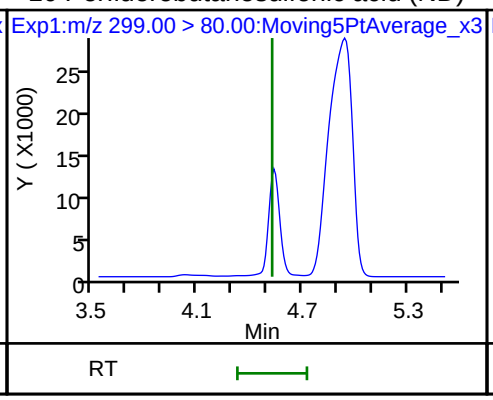
7 Perfluoropentanoic acid (ND)



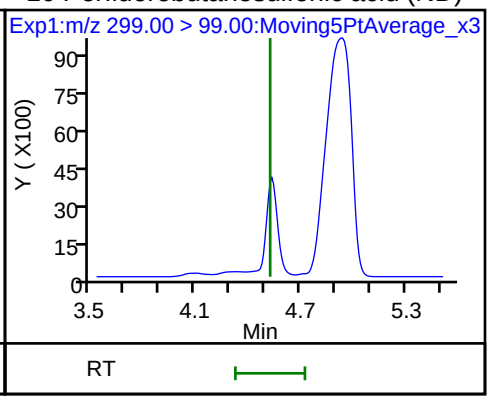
D 8 13C5 PFPeA



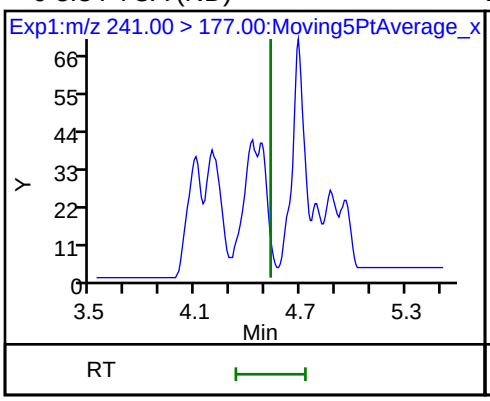
10 Perfluorobutanesulfonic acid (ND)



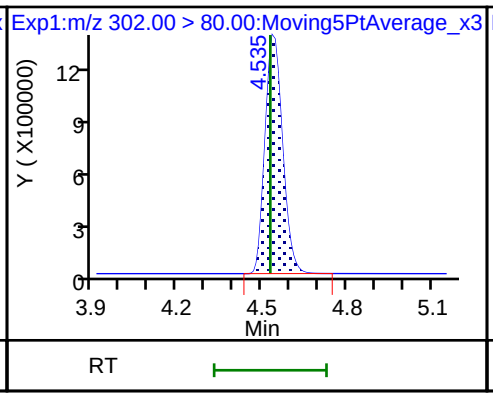
10 Perfluorobutanesulfonic acid (ND)



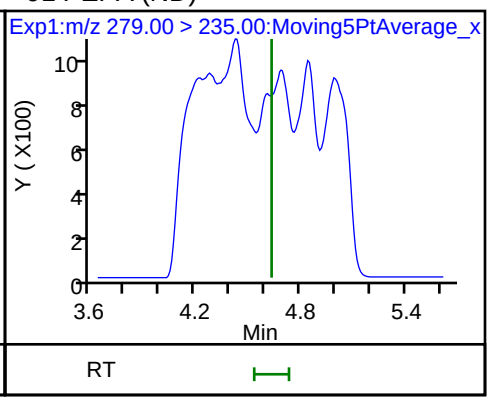
9 3:3 FTCA (ND)



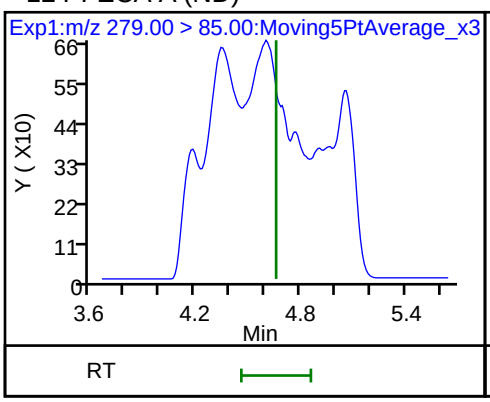
D 11 13C3 PFBS



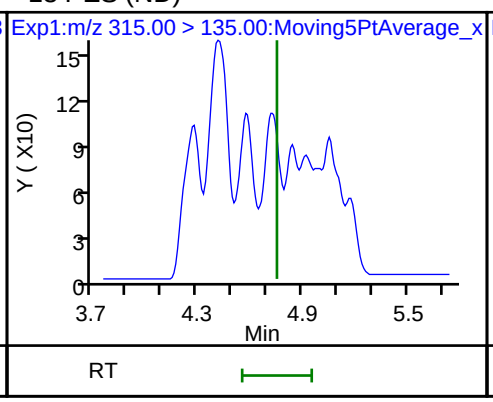
91 PEPA (ND)



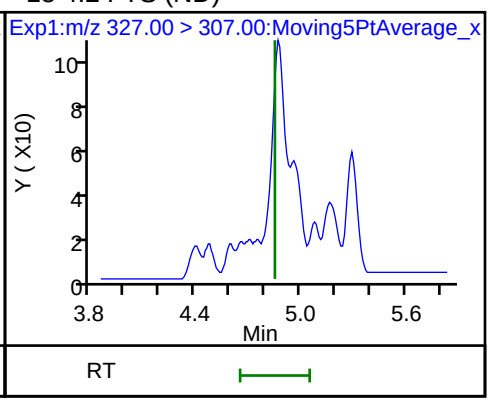
12 PFECA A (ND)



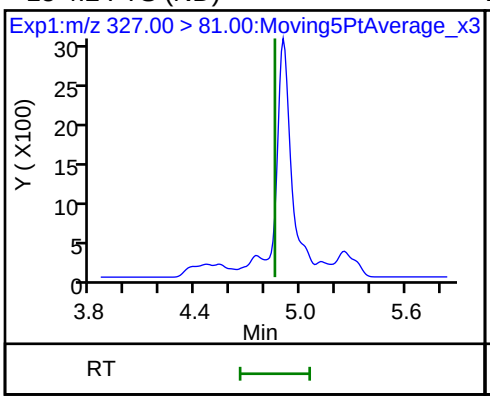
13 PES (ND)



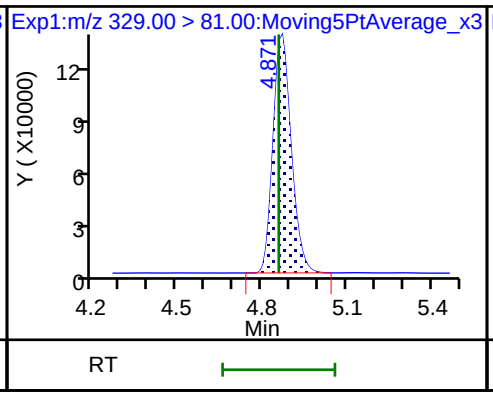
15 4:2 FTS (ND)



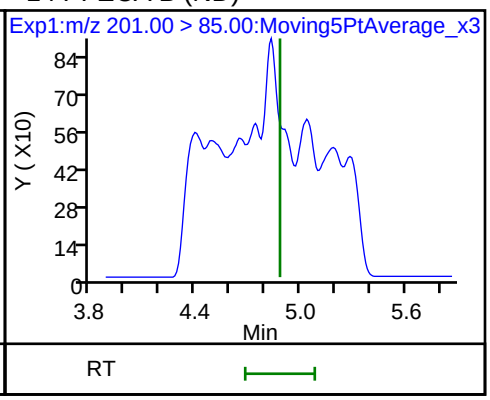
15 4:2 FTS (ND)



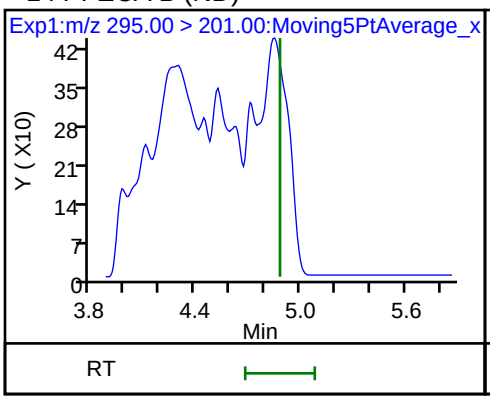
D 16 M2-4:2 FTS



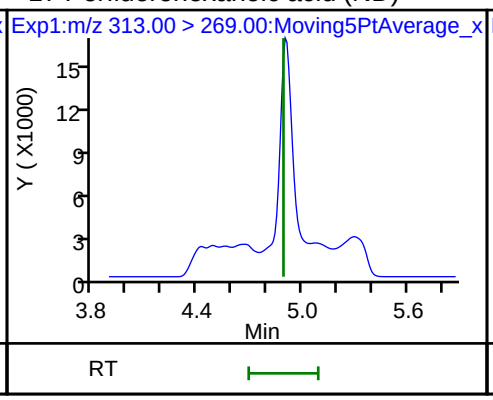
14 PFECA B (ND)



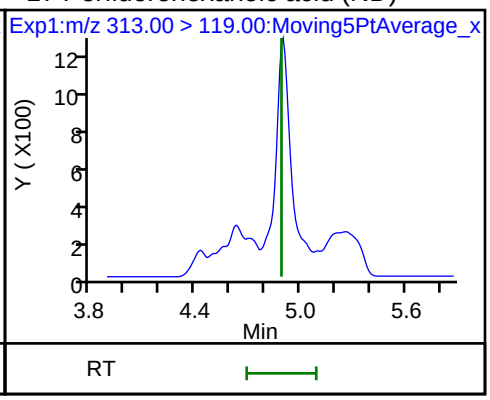
14 PFECA B (ND)



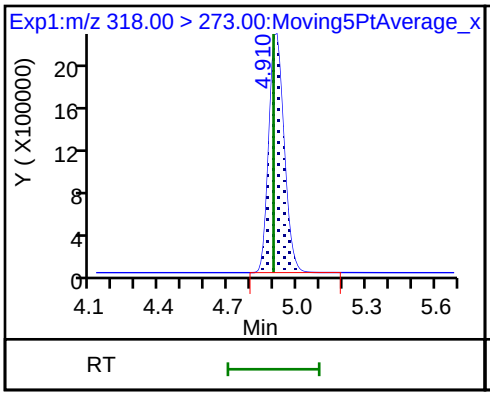
17 Perfluorohexanoic acid (ND)



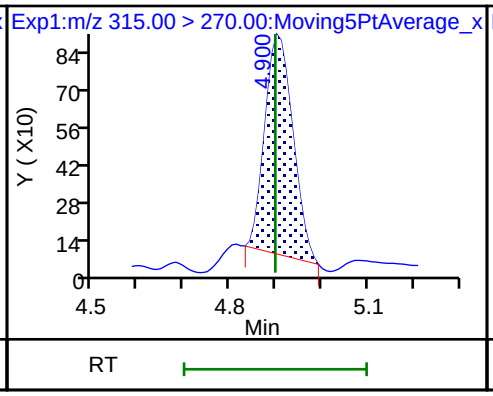
17 Perfluorohexanoic acid (ND)



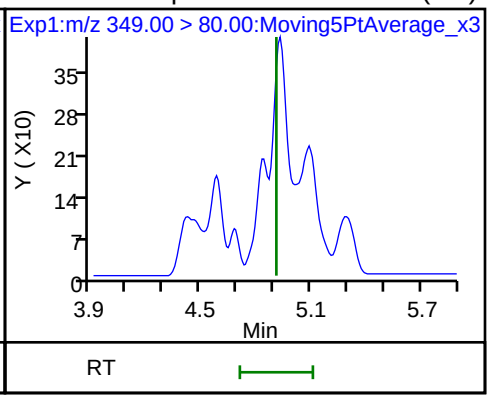
D 19 13C5 PFHxA



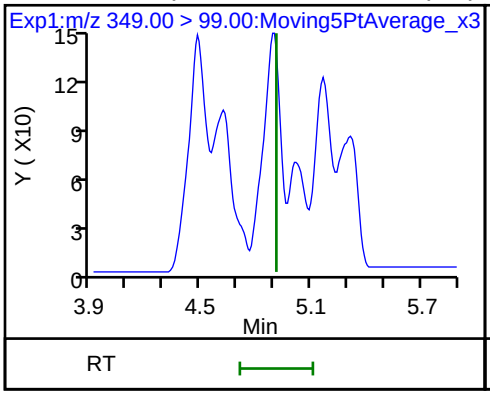
$ 18 13C2 PFHxA



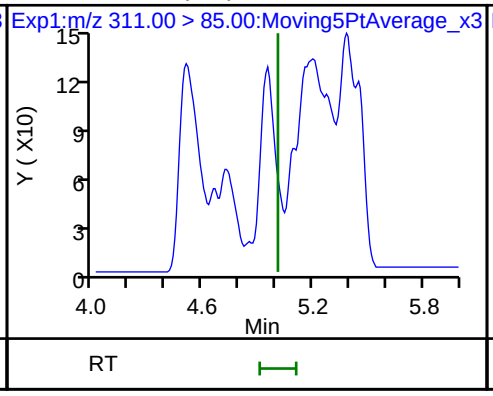
20 Perfluoropentanesulfonic acid (ND)



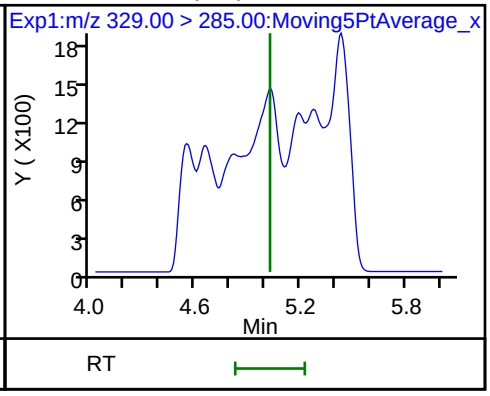
20 Perfluoropentanesulfonic acid (ND)



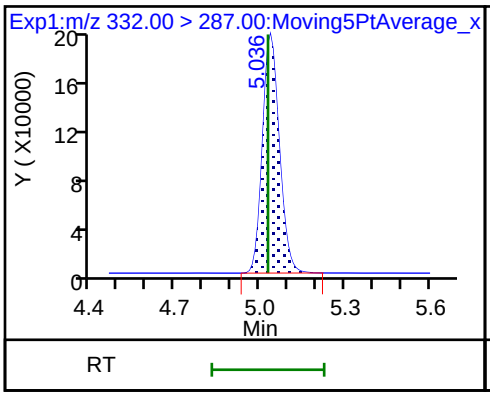
93 PFO3OA (ND)



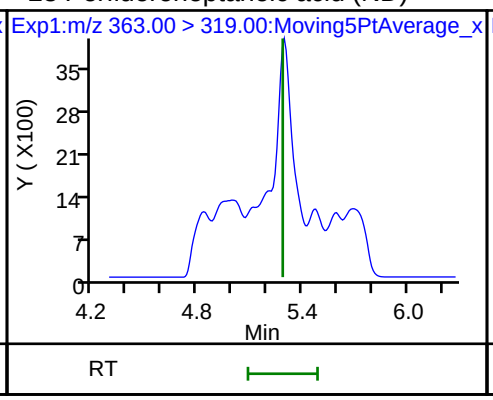
21 HFPO-DA (ND)



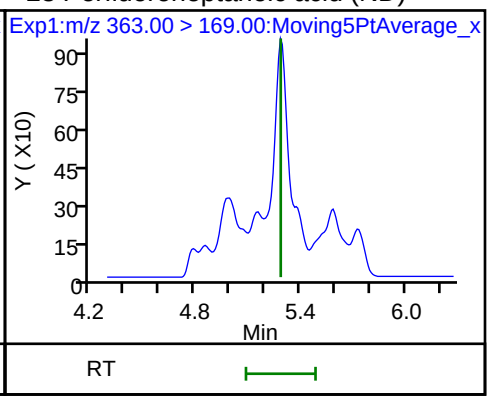
D 22 13C3 HFPO-DA



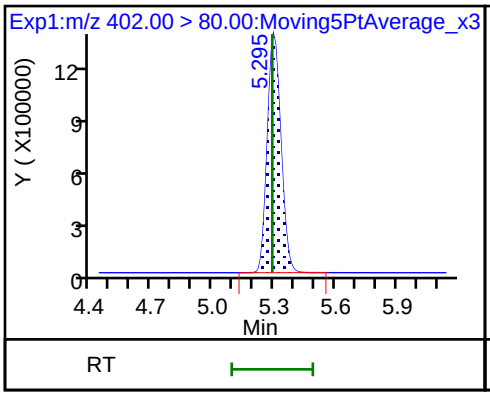
23 Perfluoroheptanoic acid (ND)



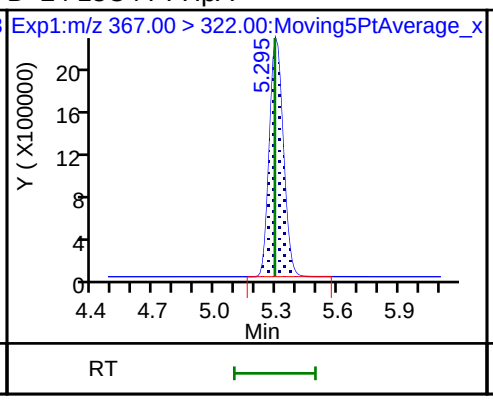
23 Perfluoroheptanoic acid (ND)



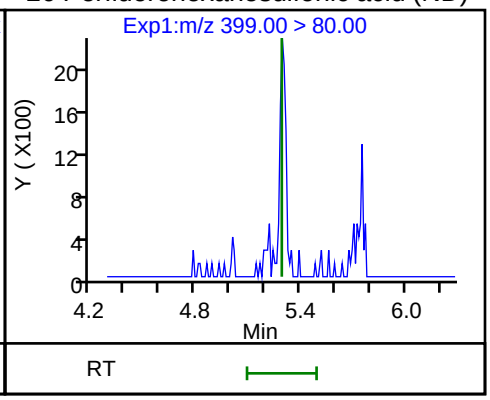
D 25 13C3 PFHxS



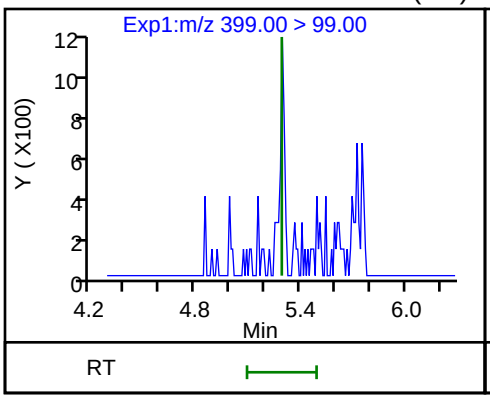
D 24 13C4 PFHpA



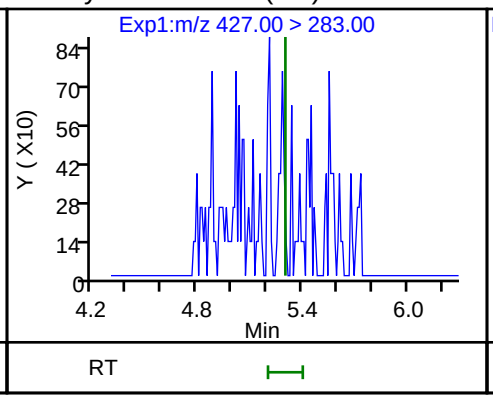
26 Perfluorohexanesulfonic acid (ND)



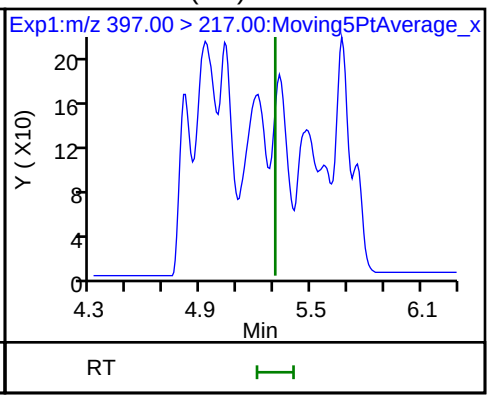
26 Perfluorohexanesulfonic acid (ND)



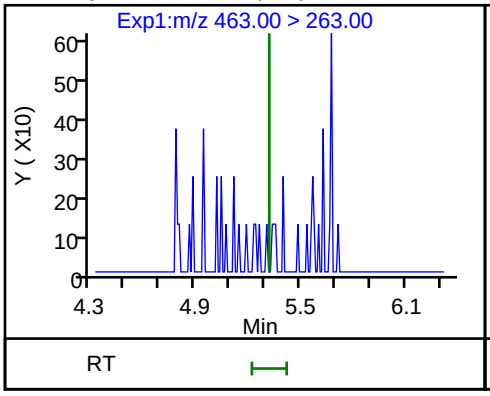
97 Hydro-EVE Acid (ND)



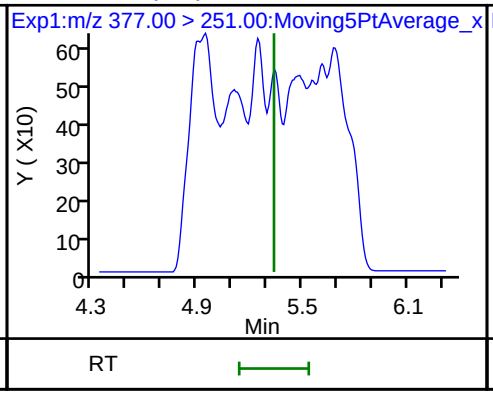
94 R-PSDCA (ND)



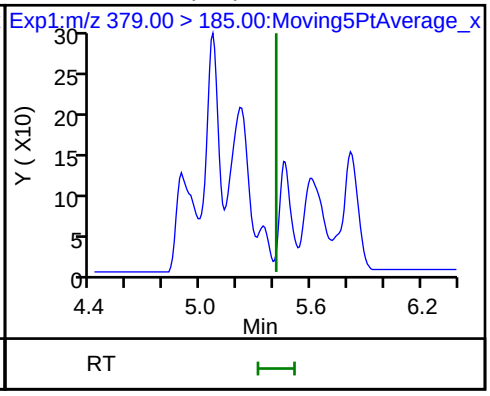
106 Hydro-PS Acid (ND)



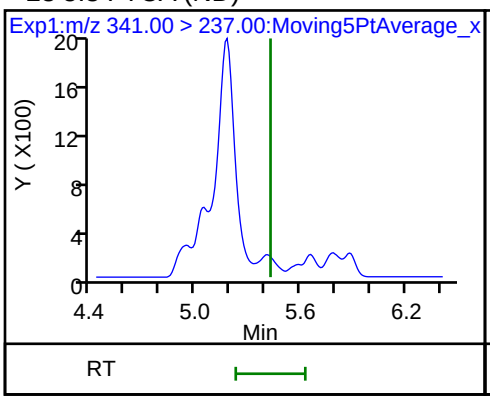
27 DONA (ND)



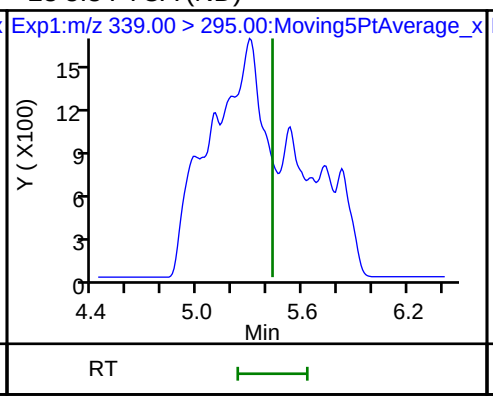
98 PFECA G (ND)



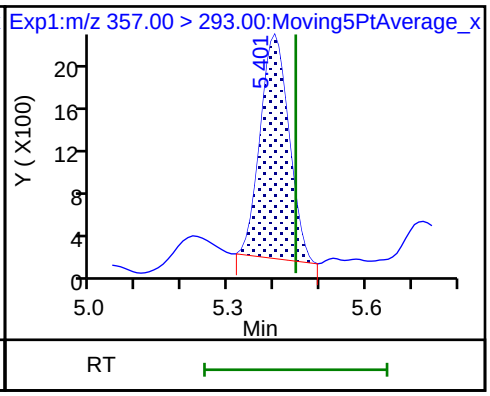
28 5:3 FTCA (ND)



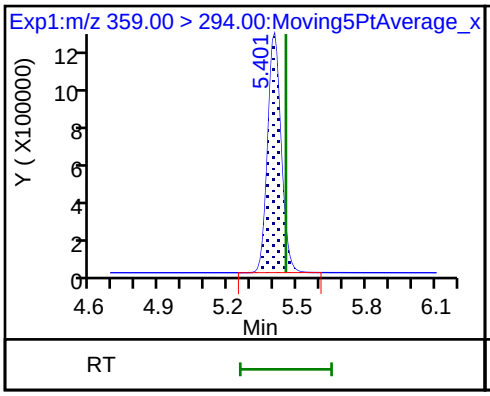
28 5:3 FTCA (ND)



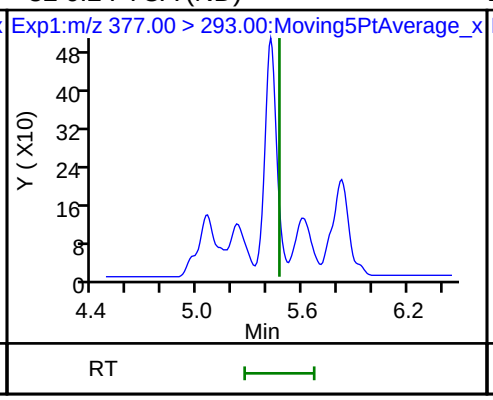
29 6:2 FTUCA



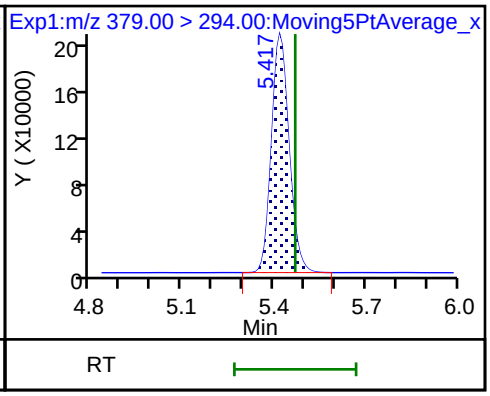
D 30 13C-6:2 FTUCA



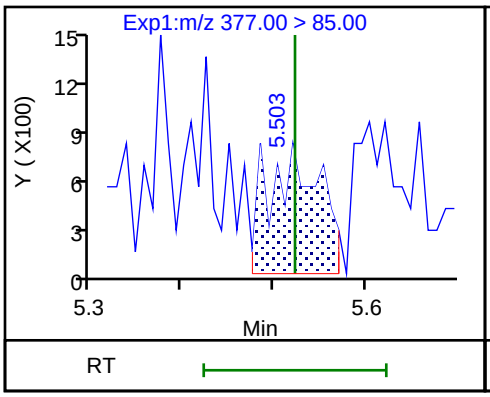
32 6:2 FTCA (ND)



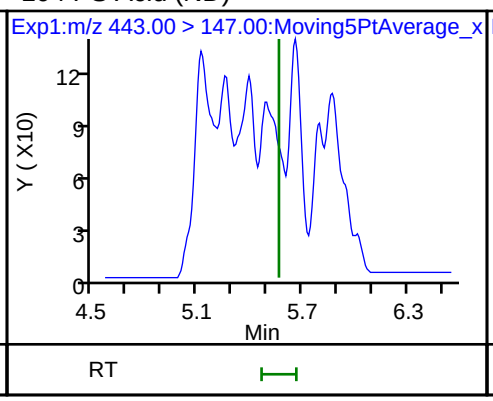
D 31 13C-6:2 FTCA



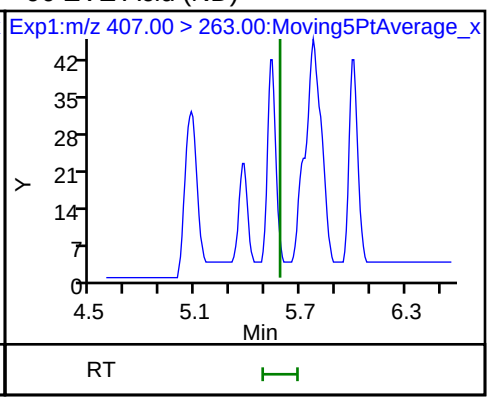
95 PFO4DA



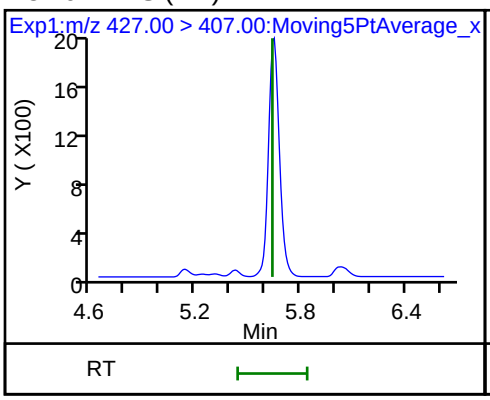
104 PS Acid (ND)



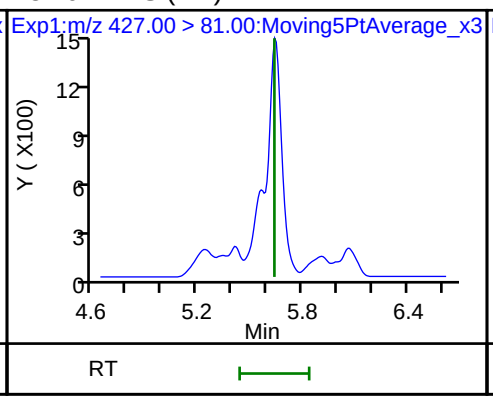
90 EVE Acid (ND)



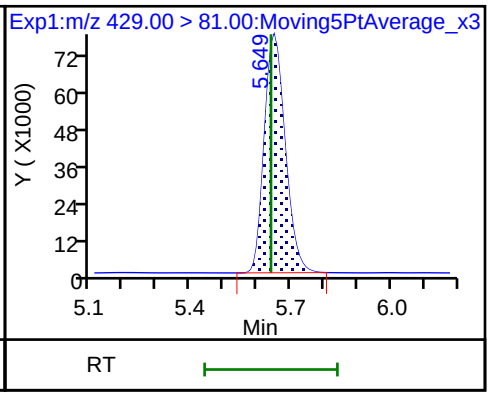
34 6:2 FTS (ND)



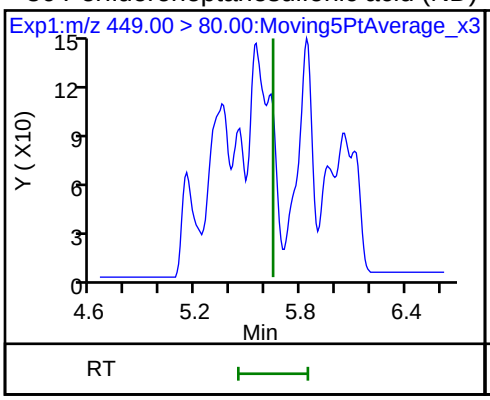
34 6:2 FTS (ND)



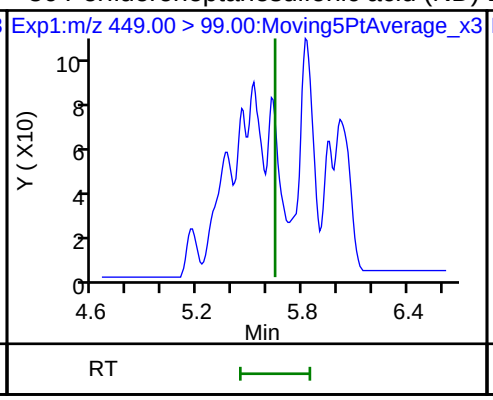
D 35 M2-6:2 FTS



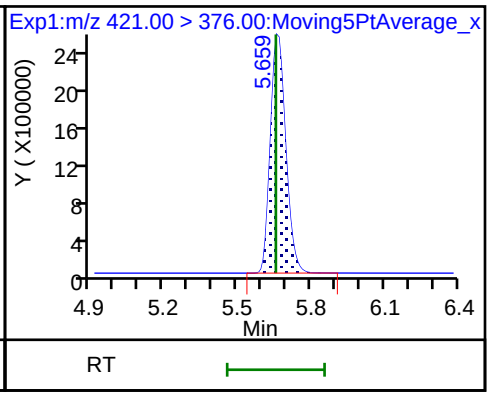
36 Perfluoroheptanesulfonic acid (ND)



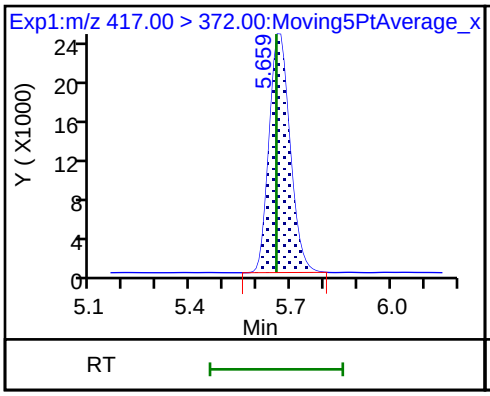
36 Perfluoroheptanesulfonic acid (ND)



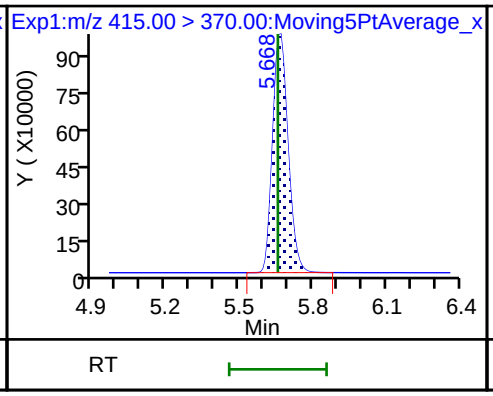
D 37 13C8 PFOA



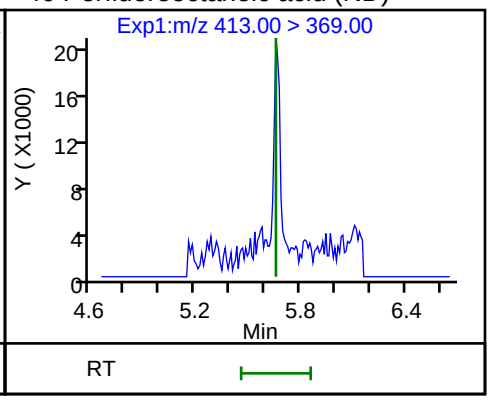
$ 39 13C4 PFOA



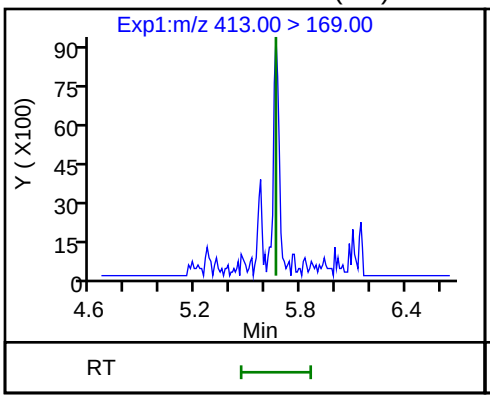
* 38 13C2 PFOA



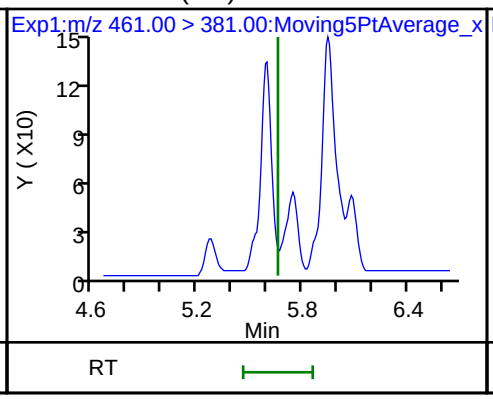
40 Perfluorooctanoic acid (ND)



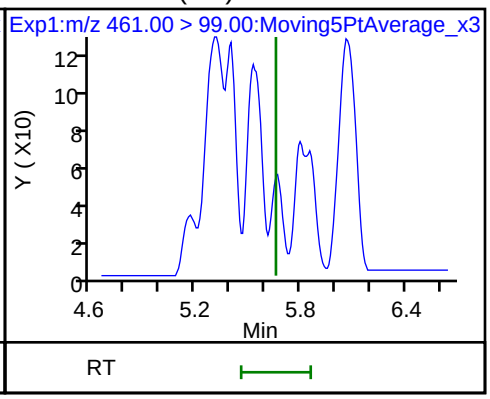
40 Perfluorooctanoic acid (ND)



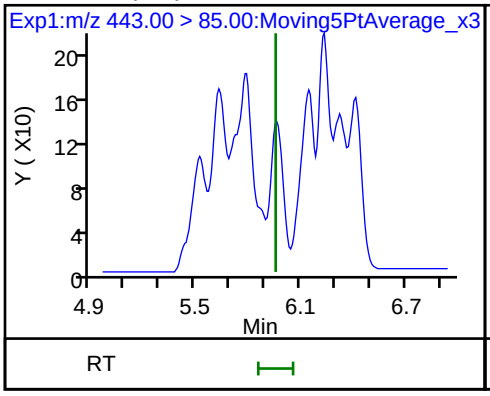
33 PFECHS (ND)



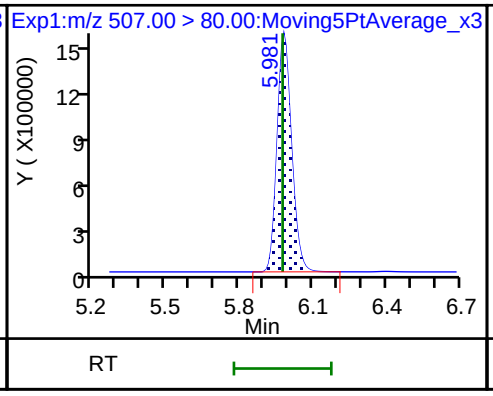
33 PFECHS (ND)



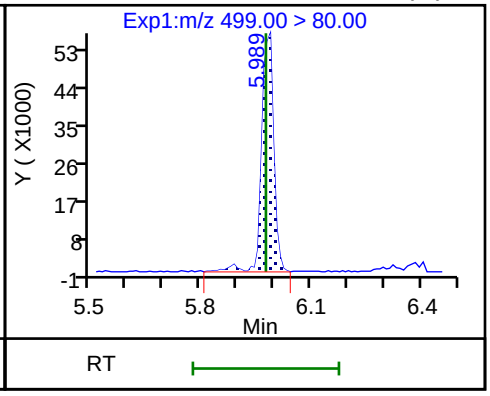
101 TAF (ND)



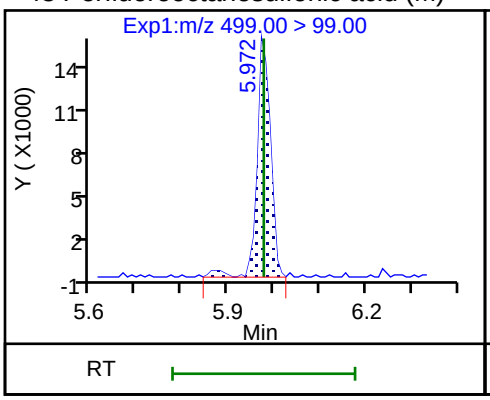
D 41 13C8 PFOS



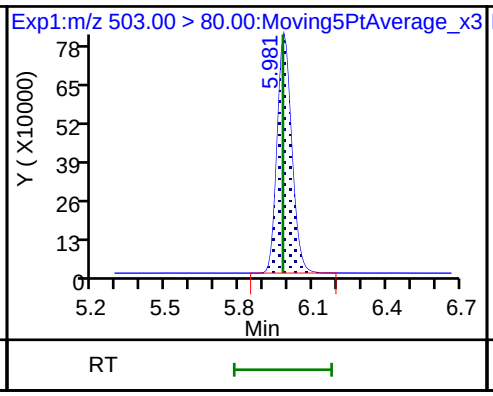
43 Perfluorooctanesulfonic acid (M)



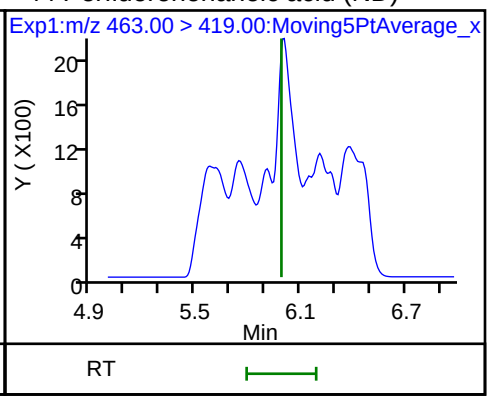
43 Perfluorooctanesulfonic acid (M)



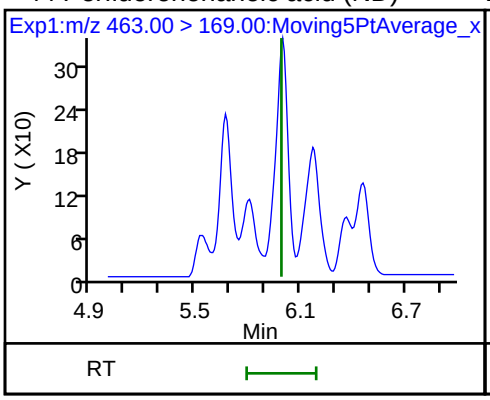
* 42 13C4 PFOS



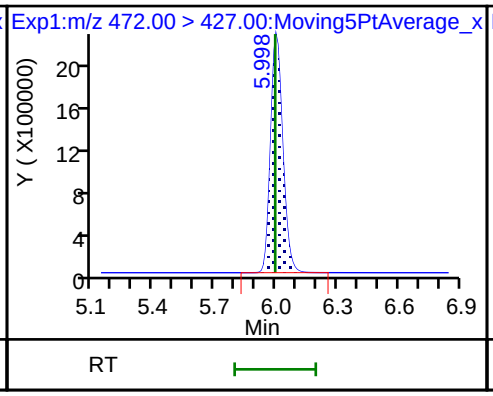
44 Perfluorononanoic acid (ND)



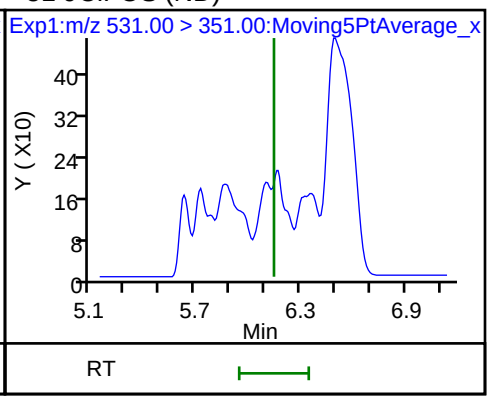
44 Perfluorononanoic acid (ND)



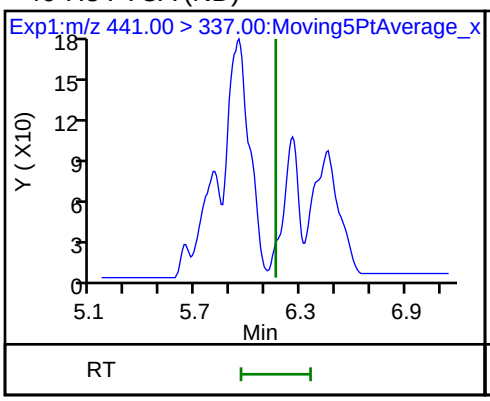
D 45 13C9 PFNA



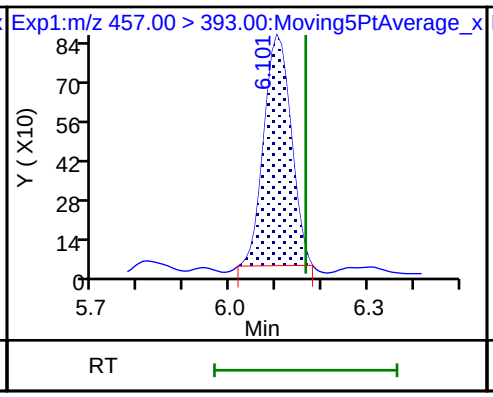
51 9ClFOS (ND)



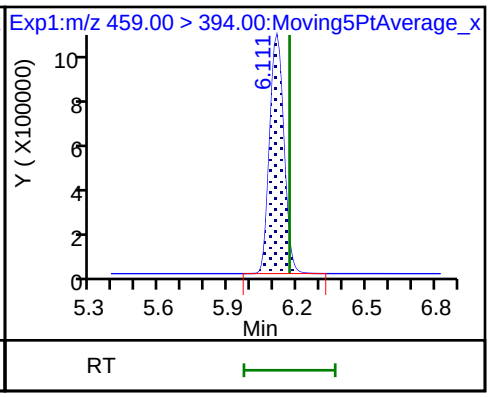
46 7:3 FTCA (ND)



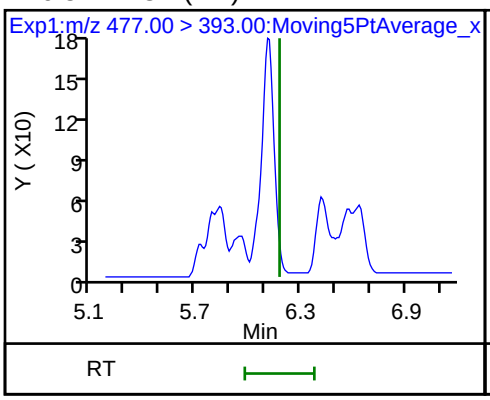
47 8:2 FTUCA



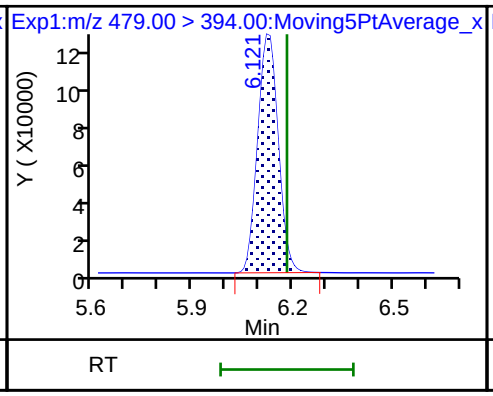
D 48 13C-8:2 FTUCA



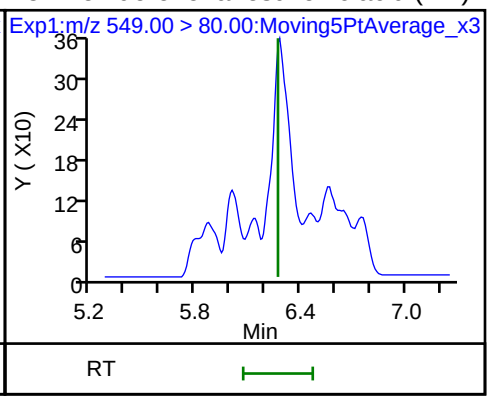
49 8:2 FTCA (ND)



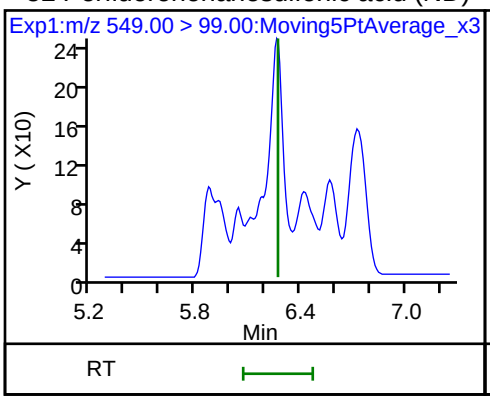
D 50 13C-8:2 FTCA



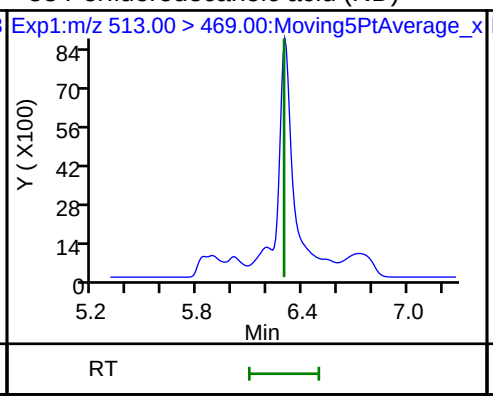
52 Perfluorononanesulfonic acid (ND)



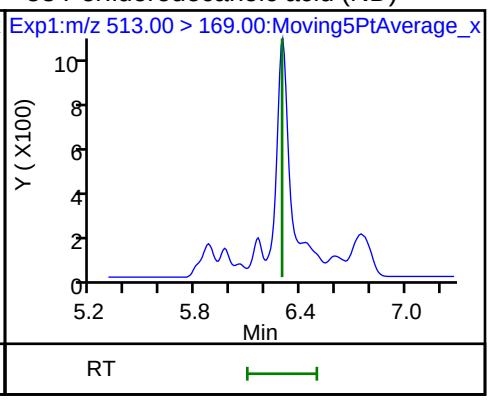
52 Perfluorononanesulfonic acid (ND)



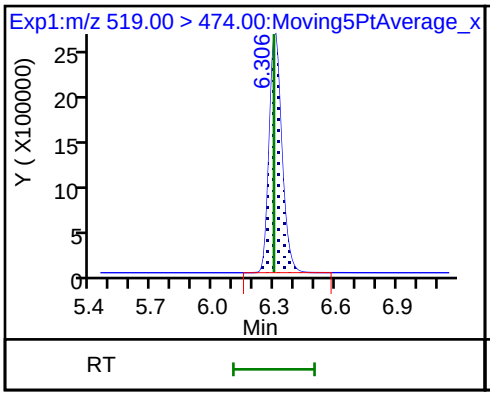
53 Perfluorodecanoic acid (ND)



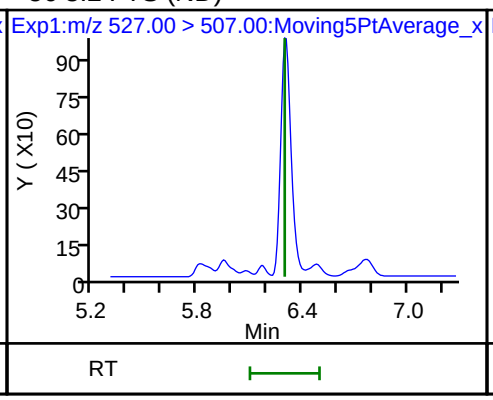
53 Perfluorodecanoic acid (ND)



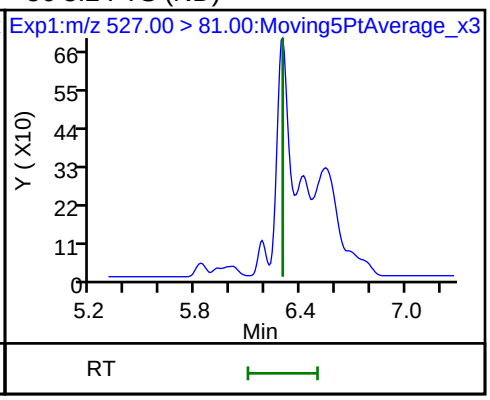
D 54 13C6 PFDA



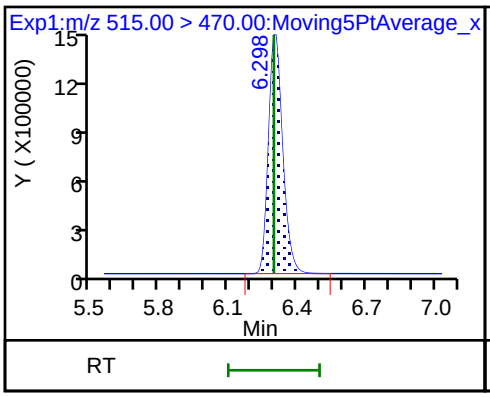
56 8:2 FTS (ND)



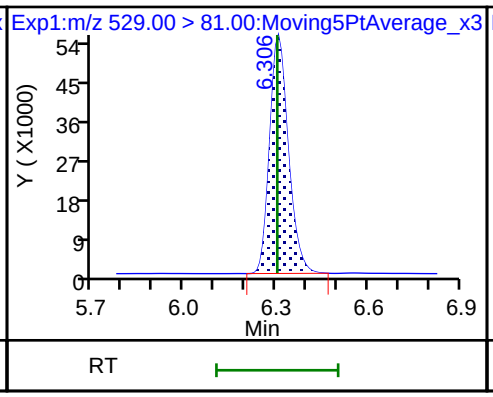
56 8:2 FTS (ND)



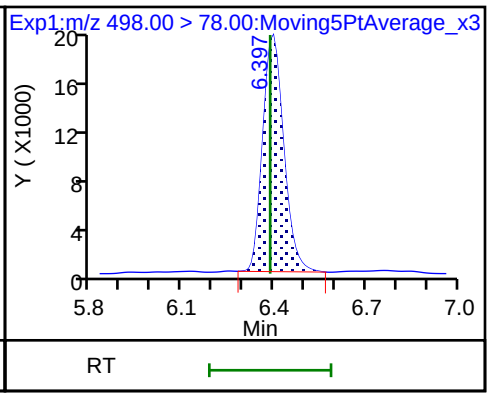
* 55 13C2 PFDA



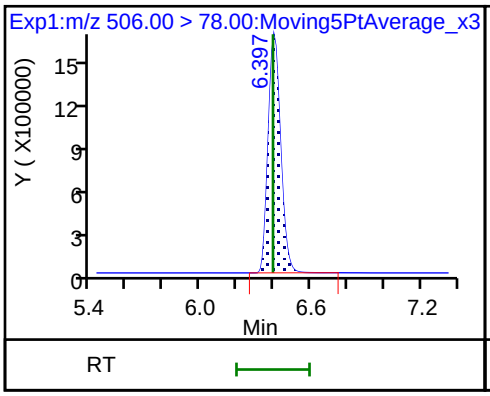
D 57 M2-8:2 FTS



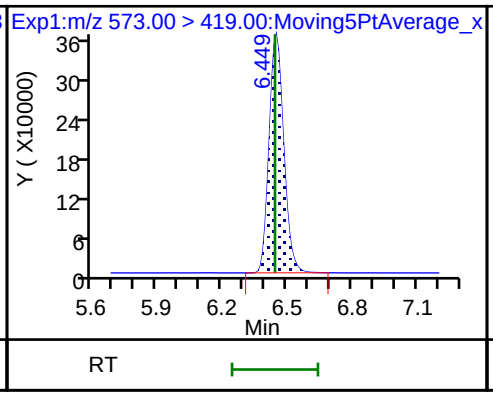
58 Perfluorooctanesulfonamide



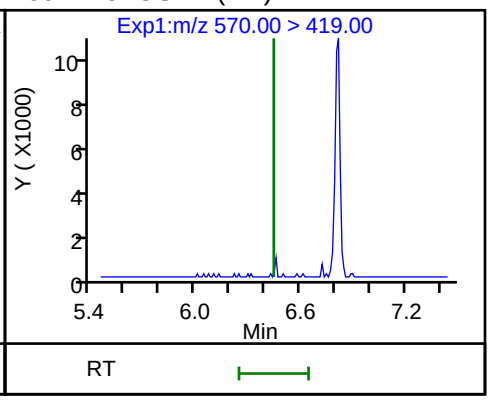
D 59 13C8 FOSA



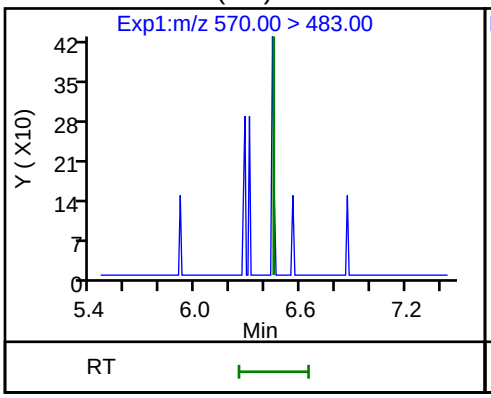
D 61 d3-NMeFOSAA



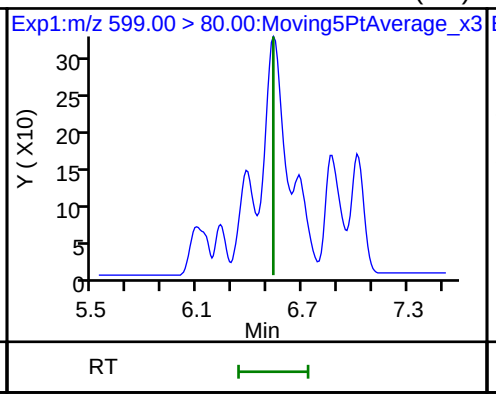
60 NMeFOSAA (ND)



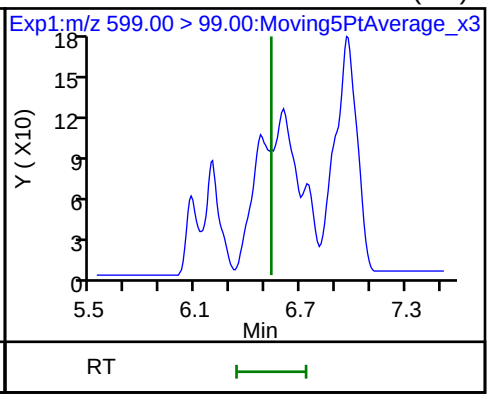
60 NMeFOSAA (ND)



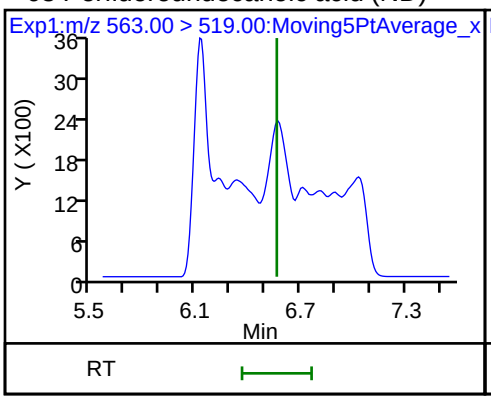
62 Perfluorodecanesulfonic acid (ND)



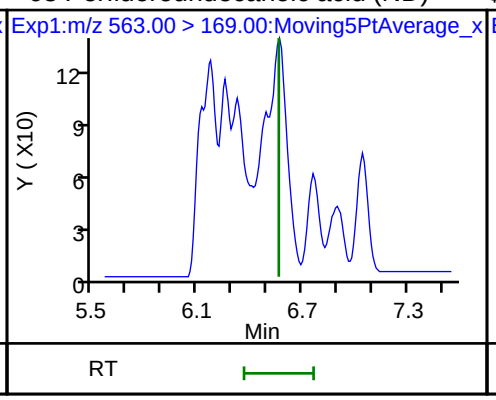
62 Perfluorodecanesulfonic acid (ND)



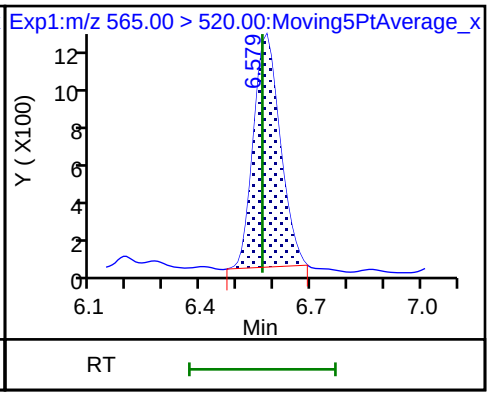
63 Perfluoroundecanoic acid (ND)



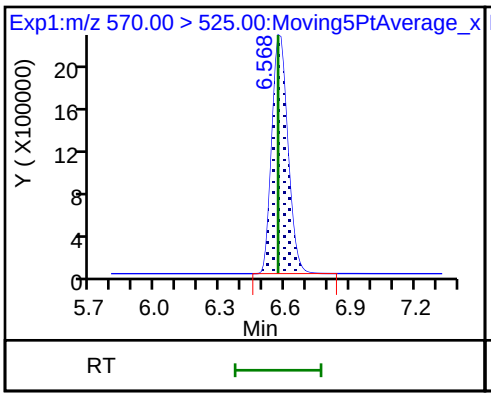
63 Perfluoroundecanoic acid (ND)



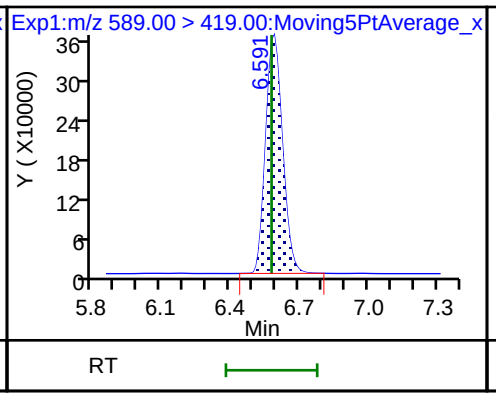
$ 64 13C2 PFUnA



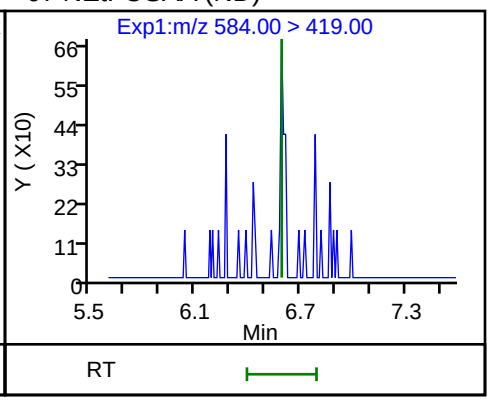
D 65 13C7 PFUnA



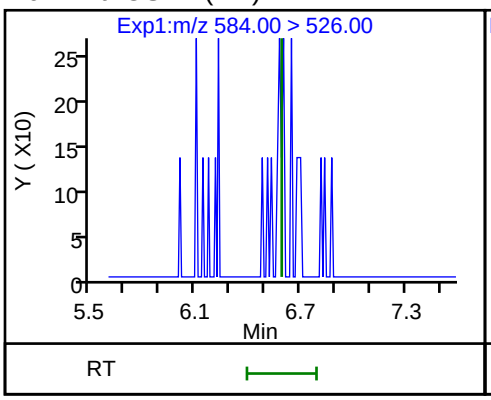
D 66 d5-NEtFOSAA



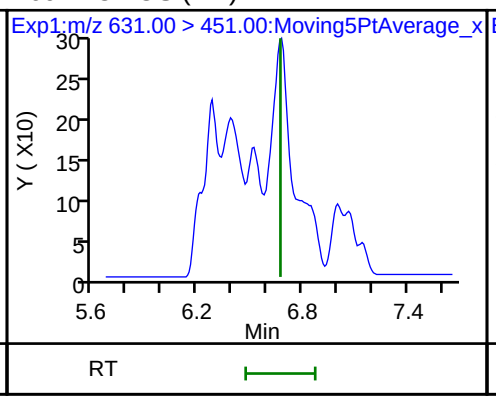
67 NEtFOSAA (ND)



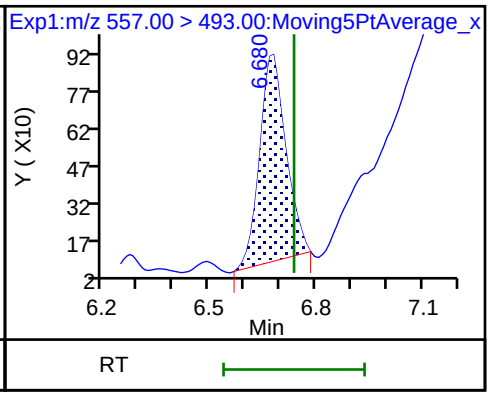
67 NEtFOSAA (ND)



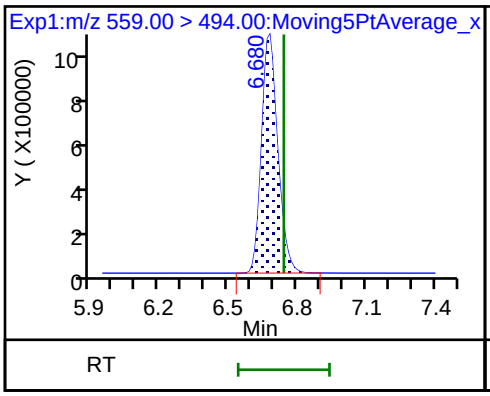
69 11ClFOS (ND)



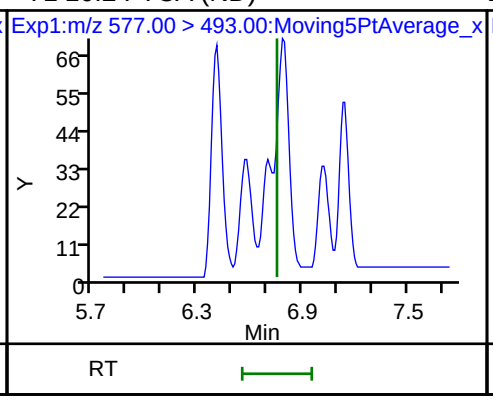
68 10:2 FTUCA



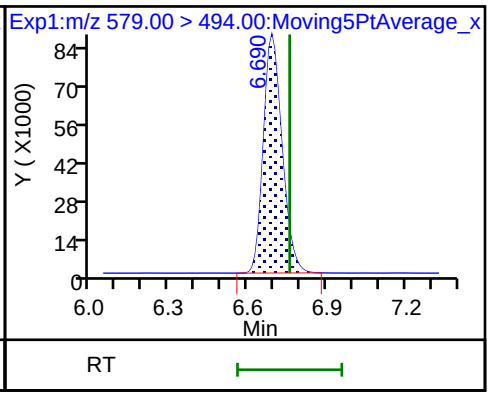
D 70 13C-10:2 FTUCA



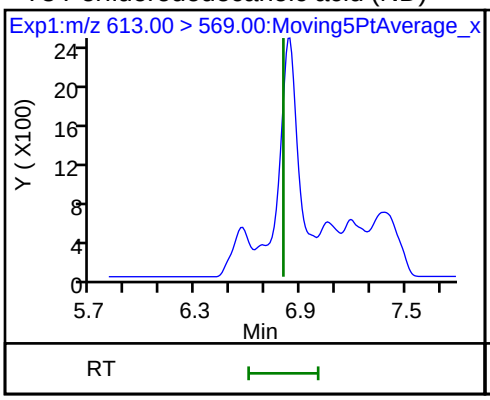
71 10:2 FTCA (ND)



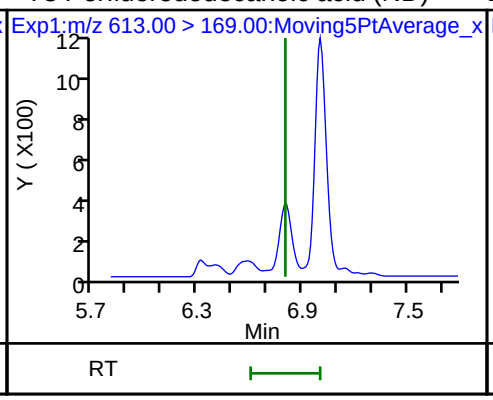
D 72 13C-10:2 FTCA



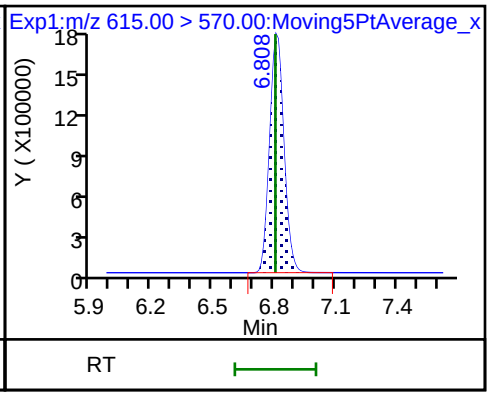
73 Perfluorododecanoic acid (ND)



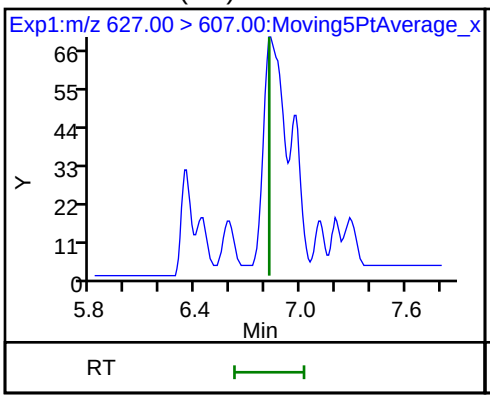
73 Perfluorododecanoic acid (ND)



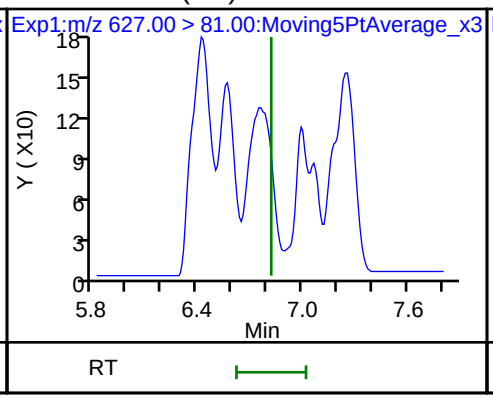
D 74 13C2-PFDoDA



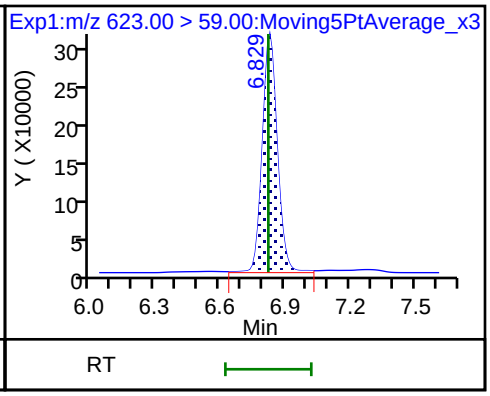
75 10:2 FTS (ND)



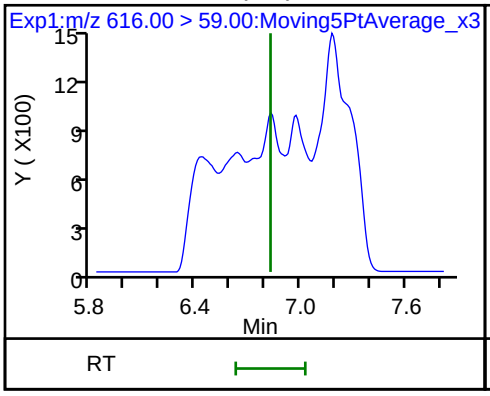
75 10:2 FTS (ND)



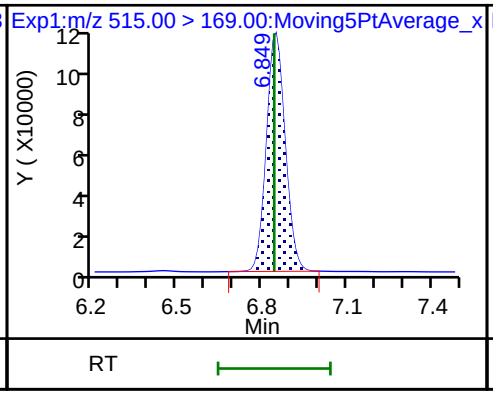
D 76 d7-N-MeFOSE-M



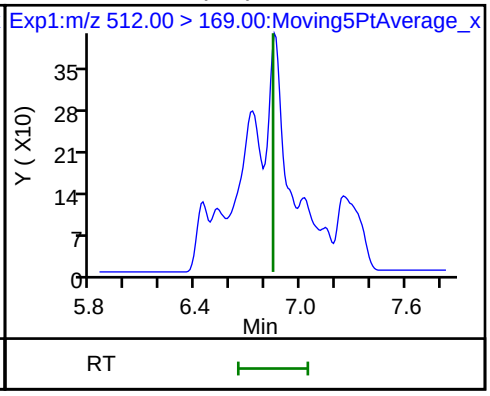
77 N-MeFOSE-M (ND)



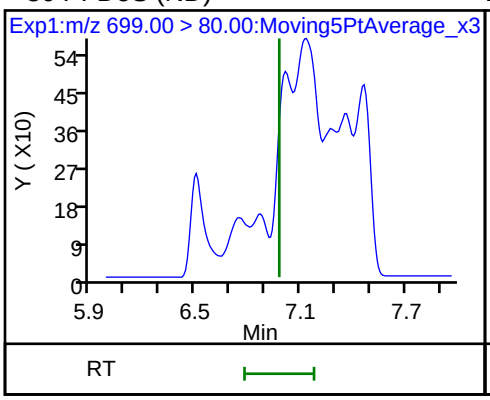
D 79 d3-NMePFOSA



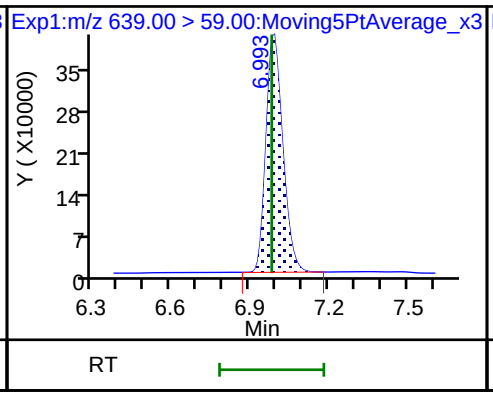
78 NMeFOSA (ND)



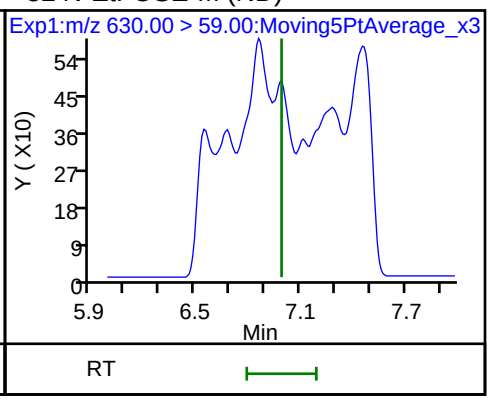
80 PFDoS (ND)



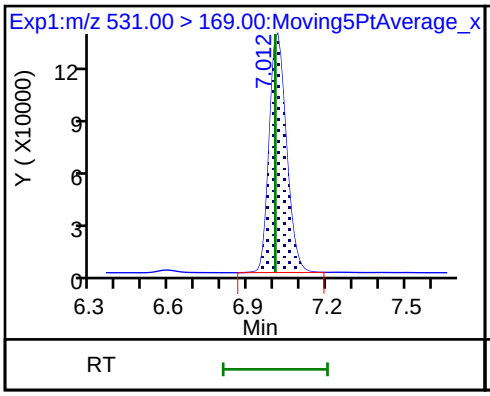
D 81 d9-N-EtFOSE-M



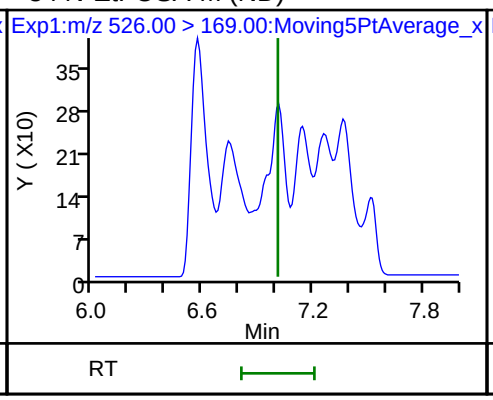
82 N-EtFOSE-M (ND)



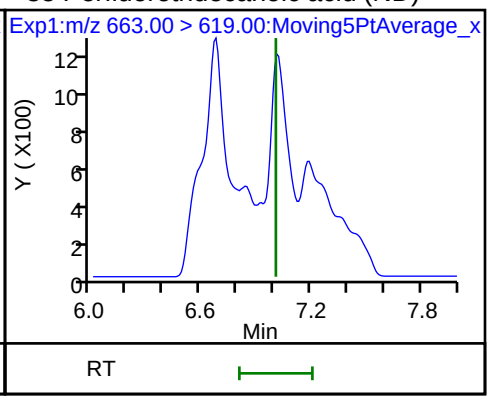
D 83 d5-NEtPFOSA



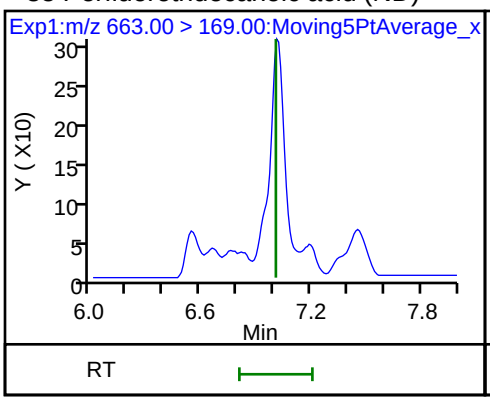
84 N-EtFOSA-M (ND)



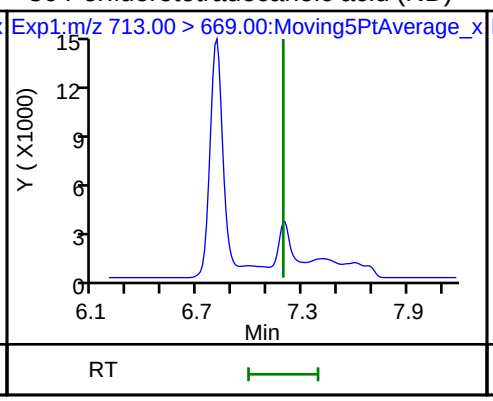
85 Perfluorotridecanoic acid (ND)



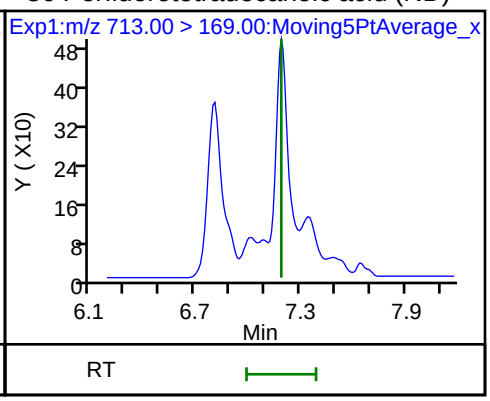
85 Perfluorotridecanoic acid (ND)



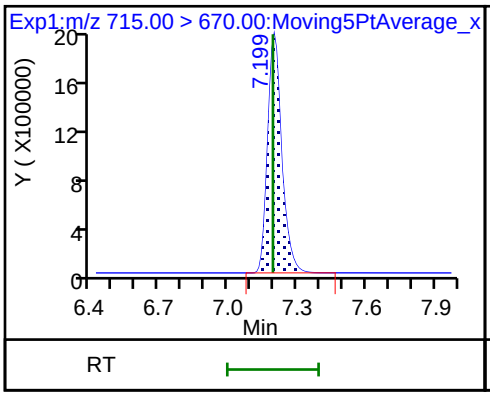
86 Perfluorotetradecanoic acid (ND)



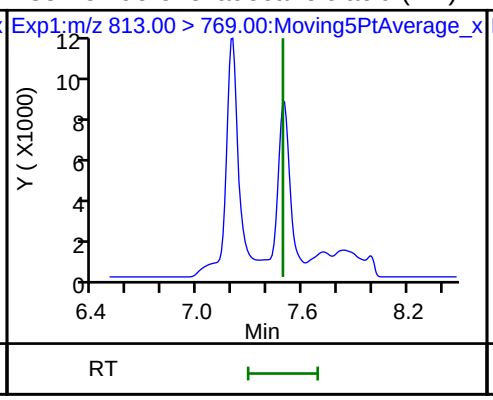
86 Perfluorotetradecanoic acid (ND)



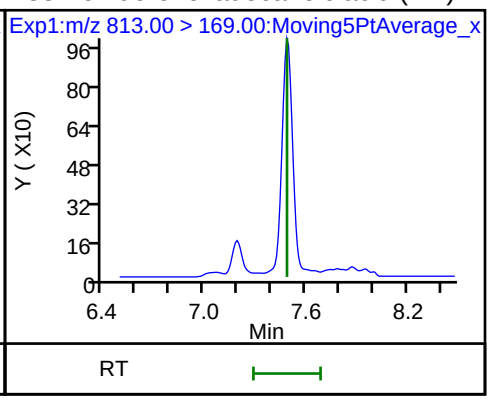
D 87 13C2 PFTeDA



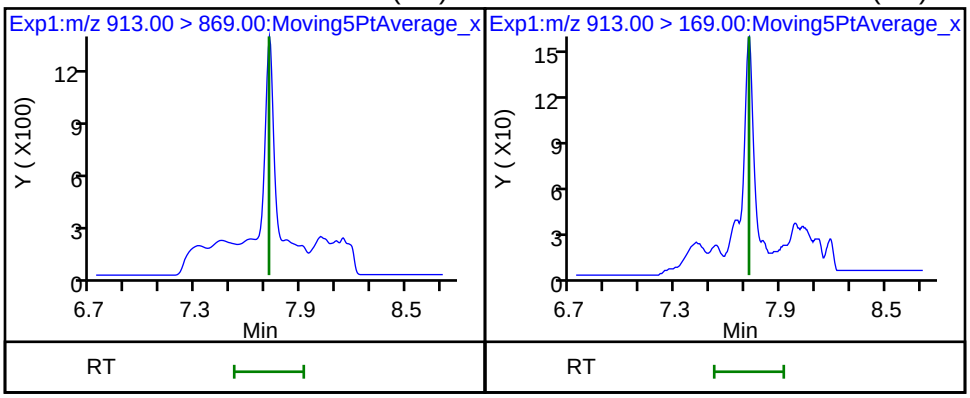
88 Perfluorohexadecanoic acid (ND)



88 Perfluorohexadecanoic acid (ND)



89 Perfluorooctadecanoic acid (ND) 89 Perfluorooctadecanoic acid (ND)



Eurofins Lancaster Laboratories Env, LLC

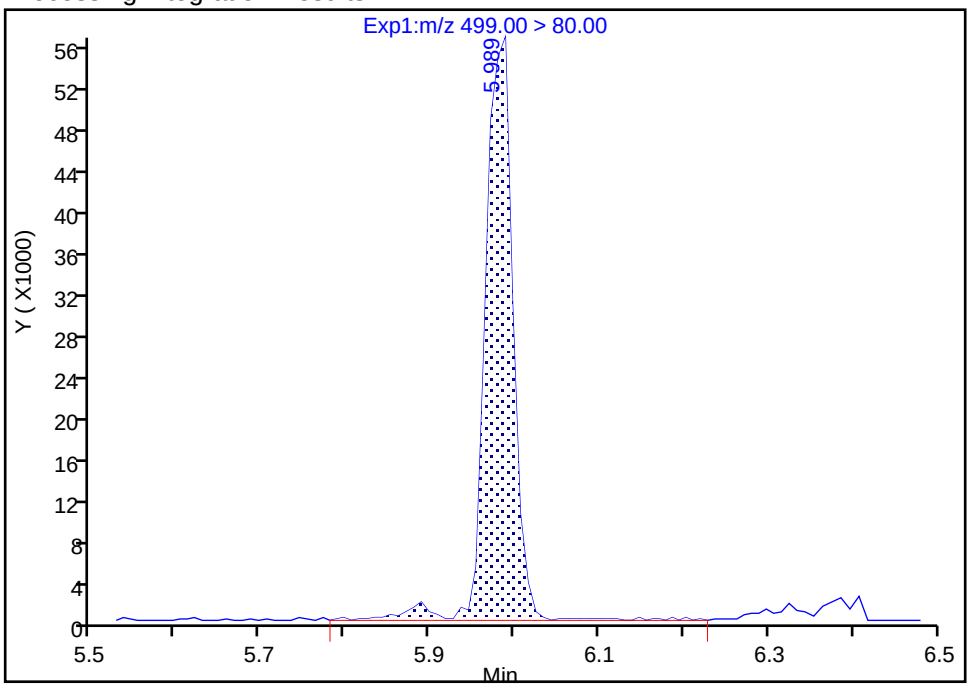
Data File:	\\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-44.d				
Injection Date:	23-Jul-2021 01:58:20	Instrument ID:	30733		
Lims ID:	MB 410-150688/1-A				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	14	Worklist Smp#:	116
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

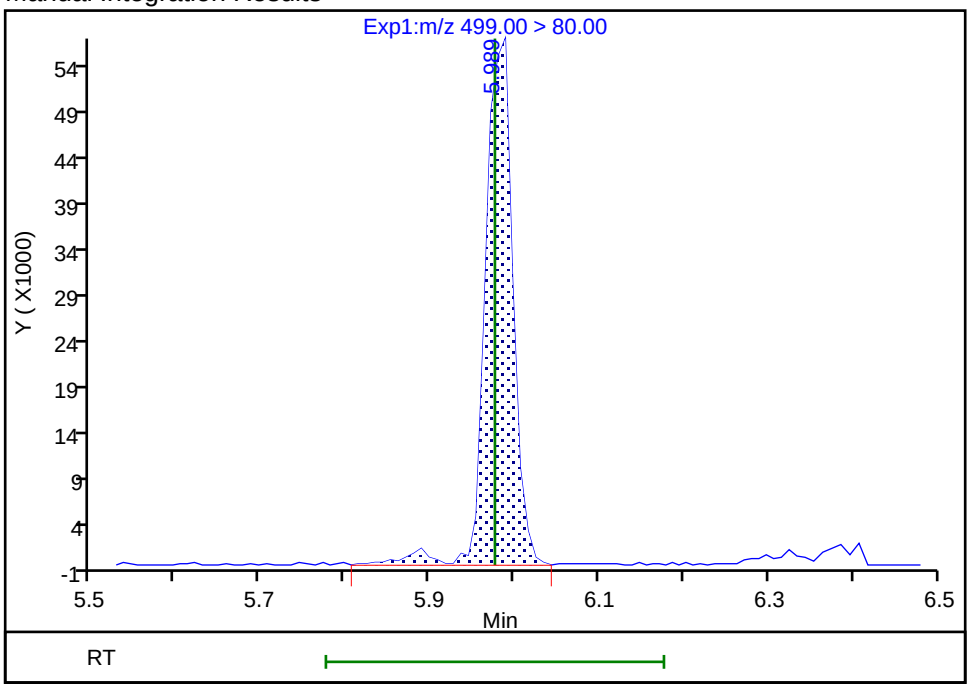
Processing Integration Results

RT: 5.99
Area: 128379
Amount: 0.182697
Amount Units: ng/ml



Manual Integration Results

RT: 5.99
Area: 127326
Amount: 0.181198
Amount Units: ng/ml



Reviewer: kruelleh, 23-Jul-2021 09:07:08
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

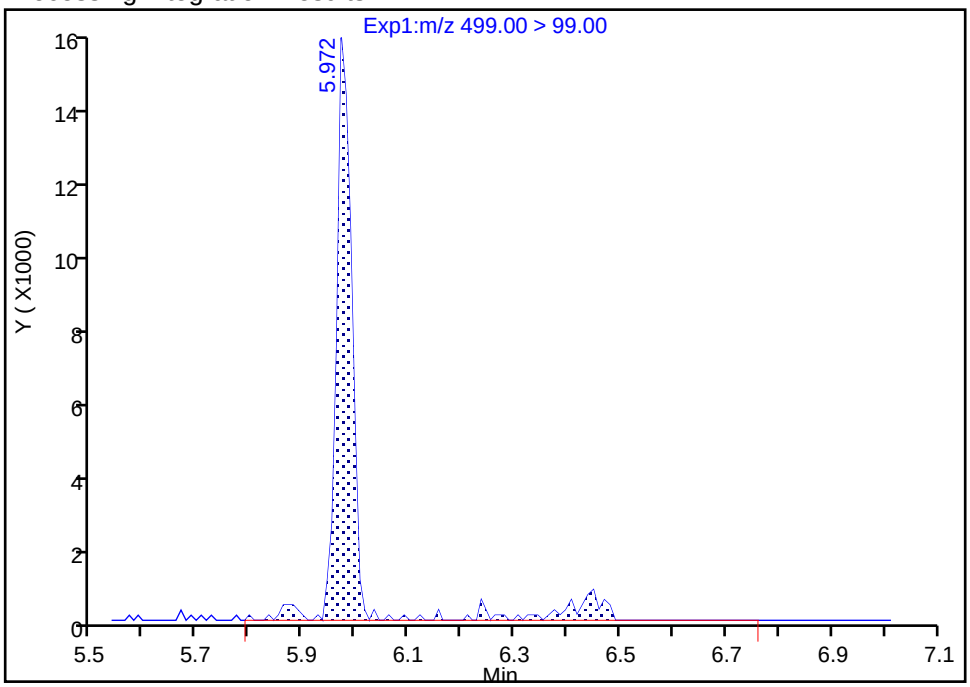
Data File:	\\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-44.d				
Injection Date:	23-Jul-2021 01:58:20	Instrument ID:	30733		
Lims ID:	MB 410-150688/1-A				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	14	Worklist Smp#:	116
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

43 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

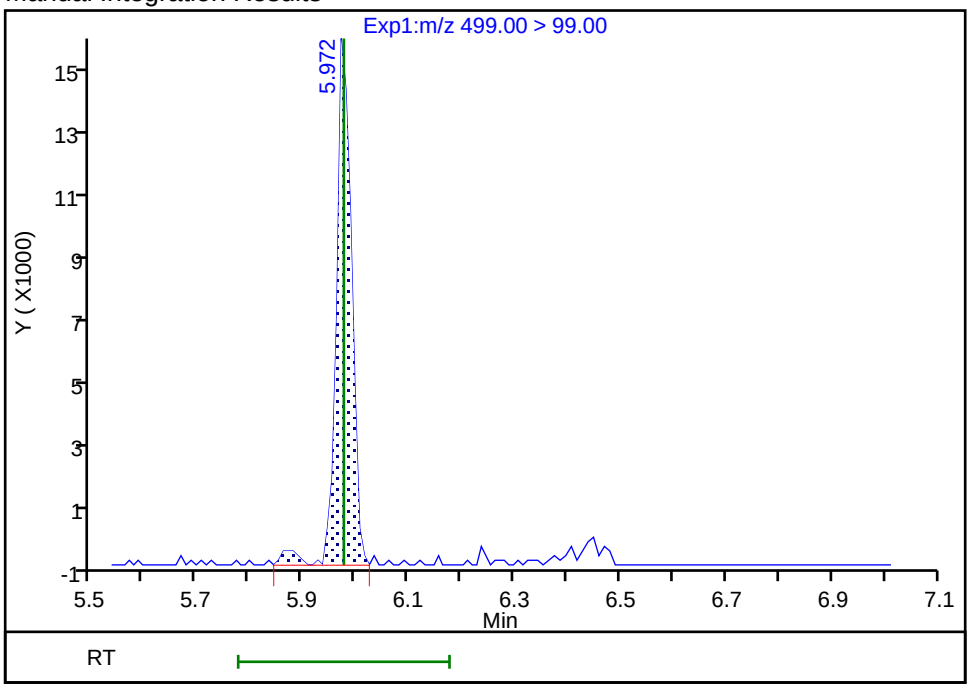
Processing Integration Results

RT: 5.97
Area: 36631
Amount: 0.182697
Amount Units: ng/ml



Manual Integration Results

RT: 5.97
Area: 32019
Amount: 0.181198
Amount Units: ng/ml



Reviewer: kruelleh, 23-Jul-2021 09:07:19

Audit Action: Manually Integrated Audit Reason: Isomers

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: Lab Sample ID: ICB 410-151148/8

Matrix: Water Lab File ID: 21JUL21MCAL-24.d

Analysis Method: 537 IDA Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/22/2021 00:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151148 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	0.50	U	0.50	0.13
375-85-9	Perfluoroheptanoic acid	0.50	U	0.50	0.13
335-67-1	Perfluorooctanoic acid	0.50	U	0.50	0.13
375-95-1	Perfluorononanoic acid	0.50	U	0.50	0.13
335-76-2	Perfluorodecanoic acid	0.50	U	0.50	0.13
72629-94-8	Perfluorotridecanoic acid	0.50	U	0.50	0.13
376-06-7	Perfluorotetradecanoic acid	0.50	U	0.50	0.13
375-73-5	Perfluorobutanesulfonic acid	0.50	U	0.50	0.13
355-46-4	Perfluorohexanesulfonic acid	0.50	U	0.50	0.13
1763-23-1	Perfluorooctanesulfonic acid	0.50	U	0.50	0.13
2991-50-6	NEtFOSAA	1.25	U	1.25	0.13
2355-31-9	NMeFOSAA	0.50	U	0.50	0.15
375-92-8	Perfluoroheptanesulfonic acid	0.50	U	0.50	0.13
335-77-3	Perfluorodecanesulfonic acid	0.50	U	0.50	0.13
754-91-6	Perfluorooctanesulfonamide	0.50	U	0.50	0.13
375-22-4	Perfluorobutanoic acid	1.25	U	1.25	0.50
2058-94-8	Perfluoroundecanoic acid	0.50	U	0.50	0.13
307-55-1	Perfluorododecanoic acid	0.50	U	0.50	0.13
27619-97-2	6:2 Fluorotelomer sulfonic acid	1.25	U	1.25	0.50
39108-34-4	8:2 Fluorotelomer sulfonic acid	0.75	U	0.75	0.25
2706-90-3	Perfluoropentanoic acid	0.50	U	0.50	0.13

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: Lab Sample ID: ICB 410-151148/8

Matrix: Water Lab File ID: 21JUL21MCAL-24.d

Analysis Method: 537 IDA Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 07/22/2021 00:05

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151148 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	111		34-182
STL02279	M2-6:2 FTS	113		29-189
STL02577	13C5 PFHxA	109		31-142
STL01892	13C4 PFHpA	110		30-144
STL01052	13C8 PFOA	111		49-127
STL02578	13C9 PFNA	104		47-136
STL02579	13C6 PFDA	109		47-128
STL02580	13C7 PFUnA	109		40-135
STL02703	13C2-PFDoDA	105		28-136
STL02116	13C2 PFTeDA	103		10-144
STL02337	13C3 PFBS	107		19-178
STL02581	13C3 PFHxS	108		32-145
STL01054	13C8 PFOS	100		49-126
STL02118	d3-NMeFOSAA	106		32-151
STL02117	d5-NEtFOSAA	107		37-164
STL01056	13C8 FOSA	113		10-143
STL00992	13C4 PFBA	104		41-132
STL01893	13C5 PFPeA	101		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-24.d
Lims ID: ICB
Client ID:
Sample Type: ICB
Inject. Date: 22-Jul-2021 00:05:16 ALS Bottle#: 20001 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: ICB
Misc. Info.: Plate: 1 Rack: 1 410-0034894-008
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 22-Jul-2021 09:20:02 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1616

First Level Reviewer: chensh Date: 22-Jul-2021 07:54:09
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
107 MTP 175.00 > 97.00		1.489				ND				
1 PPF Acid 163.00 > 119.00		1.822				ND				
96 PFMOAA 179.00 > 85.00	2.976	2.913	0.063	0.757	964	NC			3.0	
D 3 13C4 PFBA 217.00 > 172.00	3.932	3.924	0.008	1.000	9867495	10.4		104	257121	
2 Perfluorobutanoic acid 213.00 > 169.00		3.924				0				
* 4 13C3-PFBA 216.00 > 172.00	3.932	3.924	0.008		4230882	5.00			30525	
99 R-EVE 405.00 > 217.00	3.932	3.967	-0.035	1.000	1186	NC			91.3	
100 R-PSDA 441.00 > 241.00		3.967				ND				
105 Hydrolyzed PSDA 439.00 > 343.00		3.980				ND				
102 PMPA 229.00 > 185.00		4.098				ND				
5 PFPrS 249.00 > 99.00		4.164				ND				
103 NVHOS 297.00 > 135.00		4.201				ND				
6 PFECA F 229.00 > 85.00	4.246	4.220	0.026	1.080	1367	NC			69.0	
92 PFO2HxA 245.00 > 85.00		4.408				ND				

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
7 Perfluoropentanoic acid										
263.00 > 219.00		4.452				0				
D 8 13C5 PFPeA										
268.00 > 223.00	4.470	4.461	0.010	1.137	8870720	10.1		101	269917	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00		4.506				ND				
299.00 > 99.00		4.506								
D 11 13C3 PFBS										
302.00 > 80.00	4.526	4.515	0.011	1.151	7344793	9.94		107	288794	
9 3:3 FTCA										
241.00 > 177.00		4.528				ND				
91 PEPA										
279.00 > 235.00		4.634				ND				
12 PFECA A										
279.00 > 85.00		4.660				ND				
13 PES										
315.00 > 135.00		4.753				ND				
15 4:2 FTS										
327.00 > 307.00		4.832				ND				
327.00 > 81.00		4.832								
D 16 M2-4:2 FTS										
329.00 > 81.00	4.851	4.842	0.009	0.859	509616	9.75		104	23217	
17 Perfluorohexanoic acid										
313.00 > 269.00		4.871				ND				
313.00 > 119.00		4.871								
D 19 13C5 PFHxA										
318.00 > 273.00	4.890	4.881	0.009	0.866	11618851	10.9		109	236513	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.890	4.881	0.009	0.866	5353	0.006434			399	
14 PFECA B										
201.00 > 85.00		4.882				ND				
295.00 > 201.00		4.882								
20 Perfluoropentanesulfonic acid										
349.00 > 80.00		4.890				ND				
349.00 > 99.00		4.890								
93 PFO3OA										
311.00 > 85.00		5.008				ND				
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.018	5.010	0.008	0.888	1022803	10.4		104	62997	
21 HFPO-DA										
329.00 > 285.00		5.010				ND				
D 25 13C3 PFHxS										
402.00 > 80.00	5.285	5.274	0.011	0.936	7716324	10.2		108	276464	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.274	0.011	0.936	12058277	11.0		110	285990	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
23 Perfluoroheptanoic acid										
363.00 > 319.00		5.274				ND				
363.00 > 169.00		5.274								
26 Perfluorohexanesulfonic acid										
399.00 > 80.00		5.274				0				
399.00 > 99.00		5.274								
97 Hydro-EVE Acid										
427.00 > 283.00	5.357	5.302	0.055	1.362	5061	NC			291	
94 R-PSDCA										
397.00 > 217.00		5.305				ND				
27 DONA										
377.00 > 251.00		5.317				ND				
106 Hydro-PS Acid										
463.00 > 263.00		5.320				ND				
98 PFECA G										
379.00 > 185.00		5.410				ND				
28 5:3 FTCA										
341.00 > 237.00		5.428				ND				
339.00 > 295.00		5.428								
29 6:2 FTUCA										
357.00 > 293.00		5.447				ND				
D 30 13C-6:2 FTUCA										
359.00 > 294.00		5.450				ND				
32 6:2 FTCA										
377.00 > 293.00		5.467				ND				
D 31 13C-6:2 FTCA										
379.00 > 294.00		5.468				ND				
95 PFO4DA										
377.00 > 85.00	5.520	5.523	-0.003	1.404	980	NC			111	
104 PS Acid										
443.00 > 147.00		5.565				ND				
90 EVE Acid										
407.00 > 263.00		5.583				ND				
D 35 M2-6:2 FTS										
429.00 > 81.00	5.640	5.621	0.019	0.998	311806	10.8		113	24293	
34 6:2 FTS										
427.00 > 407.00		5.621				ND				
427.00 > 81.00		5.621								
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00		5.630				ND				
449.00 > 99.00		5.630								
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.640	0.009	1.000	13251631	11.1		111	308312	
$ 39 13C4 PFOA										
417.00 > 372.00	5.649	5.640	0.009	1.000	147248	0.1340			11372	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.640	0.009		4353470	5.00			144012	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorooctanoic acid										
413.00 > 369.00		5.649				0				
413.00 > 169.00		5.649								
33 PFECHS										
461.00 > 381.00		5.659				ND				
461.00 > 99.00		5.659								
101 TAF										
443.00 > 85.00		5.957				ND				
D 41 13C8 PFOS										
507.00 > 80.00	5.972	5.963	0.009	1.000	7339519	9.59		100	82006	
* 42 13C4 PFOS										
503.00 > 80.00	5.972	5.963	0.009		3541875	4.78			109155	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00		5.963				ND				
499.00 > 99.00		5.963								
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.981	0.008	1.003	11006619	10.4		104	446930	
44 Perfluorononanoic acid										
463.00 > 419.00		5.981				ND				
463.00 > 169.00		5.981								
51 9ClFOS										
531.00 > 351.00		6.139				ND				
46 7:3 FTCA										
441.00 > 337.00		6.158				ND				
47 8:2 FTUCA										
457.00 > 393.00		6.164				ND				
D 48 13C-8:2 FTUCA										
459.00 > 394.00		6.166				ND				
49 8:2 FTCA										
477.00 > 393.00		6.180				ND				
D 50 13C-8:2 FTCA										
479.00 > 394.00		6.182				ND				
52 Perfluorononanesulfonic acid										
549.00 > 80.00		6.263				ND				
549.00 > 99.00		6.263								
53 Perfluorodecanoic acid										
513.00 > 469.00		6.280				ND				
513.00 > 169.00		6.280								
D 54 13C6 PFDA										
519.00 > 474.00	6.290	6.289	0.001	1.000	12341760	10.9		109	332891	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.290	6.289	0.001	1.000	205559	10.7		111	16643	
56 8:2 FTS										
527.00 > 507.00		6.289				ND				
527.00 > 81.00		6.289								
* 55 13C2 PFDA										
515.00 > 470.00	6.290	6.289	0.001		5938974	5.00			289483	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 59 13C8 FOSA										
506.00 > 78.00	6.387	6.375	0.012	1.015	12604480	11.3		113	178310	
58 Perfluorooctanesulfonamide										
498.00 > 78.00		6.375				0				
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.429	6.429	0.001	1.022	2166765	10.6		106	93021	
60 NMeFOSAA										
570.00 > 419.00		6.439				ND				
570.00 > 483.00		6.439								
62 Perfluorodecanesulfonic acid										
599.00 > 80.00		6.521				ND				
599.00 > 99.00		6.521								
63 Perfluoroundecanoic acid										
563.00 > 519.00		6.544				ND				
563.00 > 169.00		6.544								
$ 64 13C2 PFUnA										
565.00 > 520.00	6.556	6.556	0.0	1.161	5824	0.005762			395	
D 65 13C7 PFUnA										
570.00 > 525.00	6.556	6.556	0.0	1.042	11752664	10.9		109	393437	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.568	6.567	0.001	1.044	1694680	10.7		107	30706	
67 NEtFOSAA										
584.00 > 419.00		6.579				ND				
584.00 > 526.00		6.579								
69 11ClFOS										
631.00 > 451.00		6.658				0				
68 10:2 FTUCA										
557.00 > 493.00		6.738				ND				
D 70 13C-10:2 FTUCA										
559.00 > 494.00		6.741				ND				
71 10:2 FTCA										
577.00 > 493.00		6.753				ND				
D 72 13C-10:2 FTCA										
579.00 > 494.00		6.758				ND				
D 74 13C2-PFDoDA										
615.00 > 570.00	6.797	6.784	0.013	1.081	8633532	10.5		105	219281	
73 Perfluorododecanoic acid										
613.00 > 569.00		6.784				ND				
613.00 > 169.00		6.784								
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.809	6.807	0.002	1.082	2283142	10.5		105	6450	
77 N-MeFOSE-M										
616.00 > 59.00		6.807				ND				
75 10:2 FTS										
627.00 > 607.00		6.807				ND				
627.00 > 81.00		6.807								

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 79 d3-NMePFOSA										
515.00 > 169.00	6.829	6.828	0.001	1.086	1423229	10.3		103	33968	
78 NMeFOSA										
512.00 > 169.00		6.828				ND				
80 PFDoS										
699.00 > 80.00		6.956				0				
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.966	6.965	0.001	1.107	2429323	10.3		103	14355	
82 N-EtFOSE-M										
630.00 > 59.00		6.975				0				
D 83 d5-NEtPFOSA										
531.00 > 169.00	6.993	6.984	0.009	1.112	1439875	10.8		108	29824	
84 N-EtFOSA-M										
526.00 > 169.00		6.993				ND				
85 Perfluorotridecanoic acid										
663.00 > 619.00		6.993				ND				
663.00 > 169.00		6.993								
D 87 13C2 PFTeDA										
715.00 > 670.00	7.181	7.172	0.009	1.142	9009910	10.3		103	308506	
86 Perfluorotetradecanoic acid										
713.00 > 669.00		7.172				0				
713.00 > 169.00		7.172								
88 Perfluorohexadecanoic acid										
813.00 > 769.00		7.467				0				
813.00 > 169.00		7.467								
89 Perfluorooctadecanoic acid										
913.00 > 869.00		7.701				ND				
913.00 > 169.00		7.701								

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

PFC_IS_MOD_00158	Amount Added: 50.00	Units: uL
PFC_SS_MODX_00109	Amount Added: 25.00	Units: uL

Report Date: 22-Jul-2021 09:21:13 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-24.d

Injection Date: 22-Jul-2021 00:05:16 Instrument ID: 30733

Lims ID: ICB

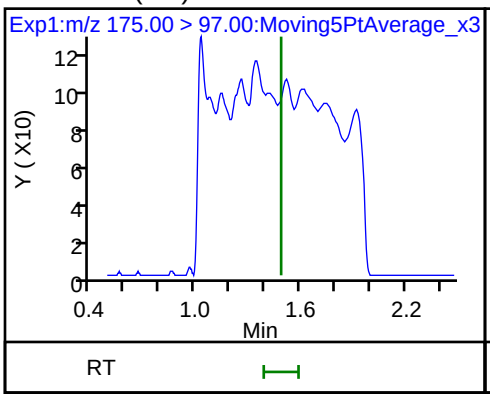
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 20001 Worklist Smp#: 8

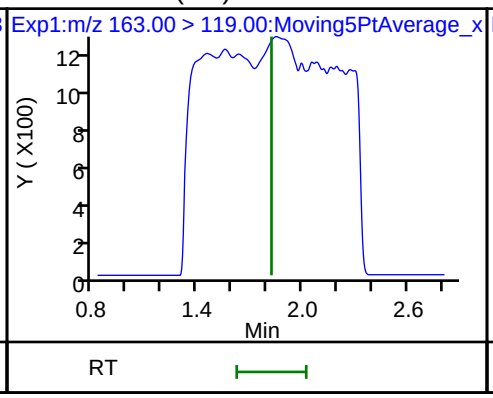
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

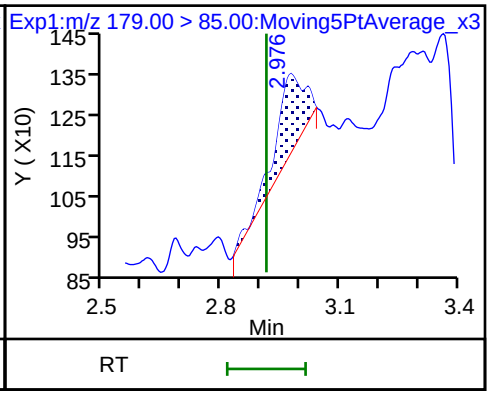
107 MTP (ND)



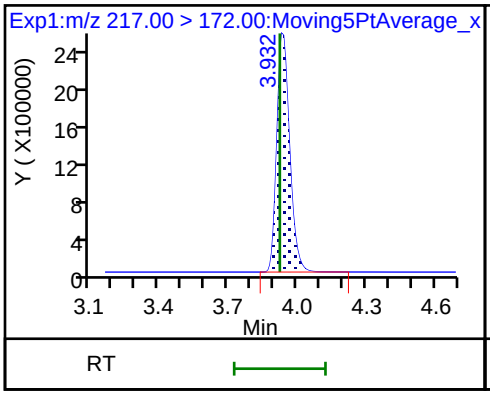
1 PPF Acid (ND)



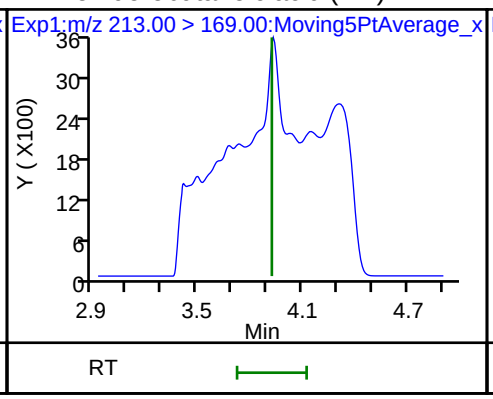
96 PFMOAA



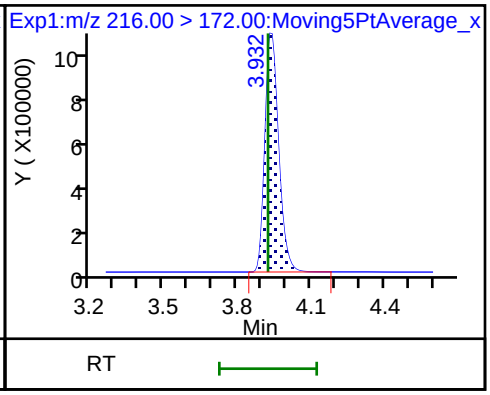
D 3 13C4 PFBA



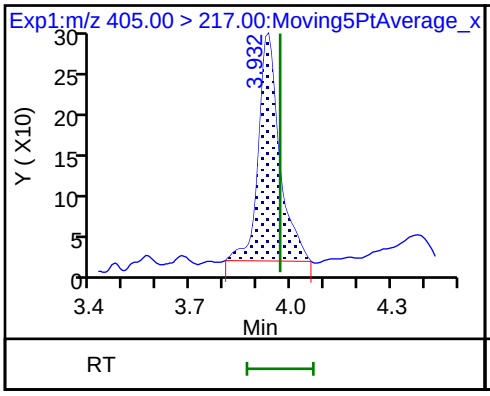
2 Perfluorobutanoic acid (ND)



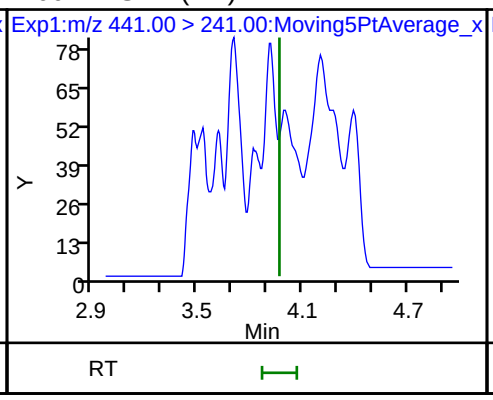
* 4 13C3-PFBA



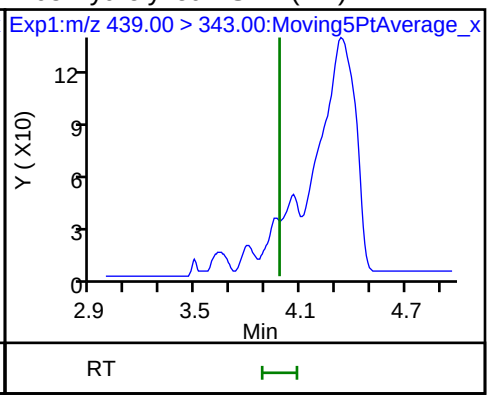
99 R-EVE



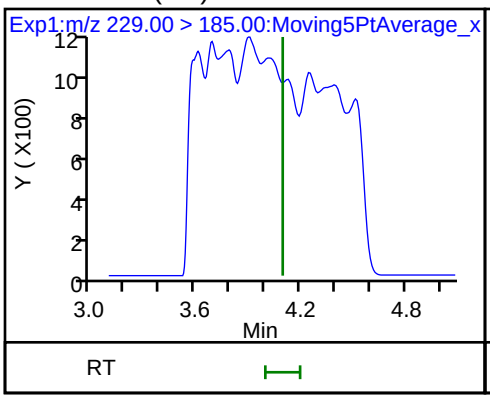
100 R-PSDA (ND)



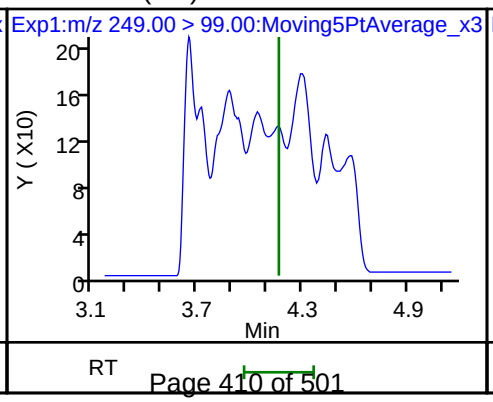
105 Hydrolyzed PSDA (ND)



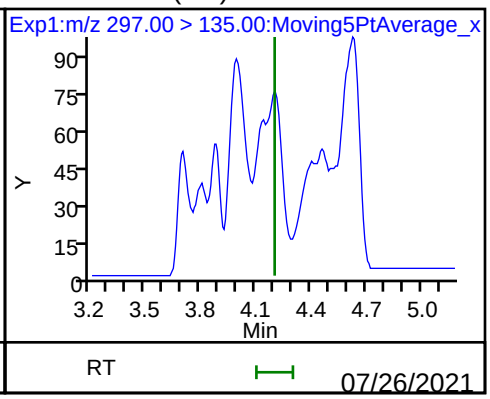
102 PMPA (ND)



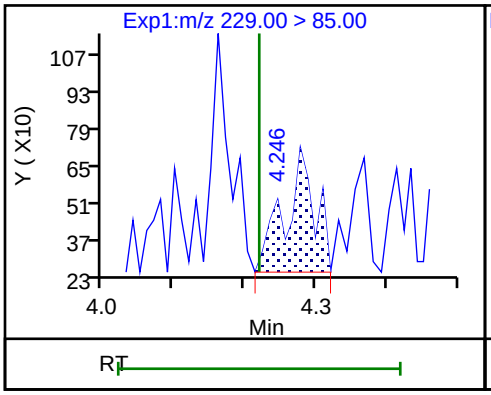
5 PFPrS (ND)



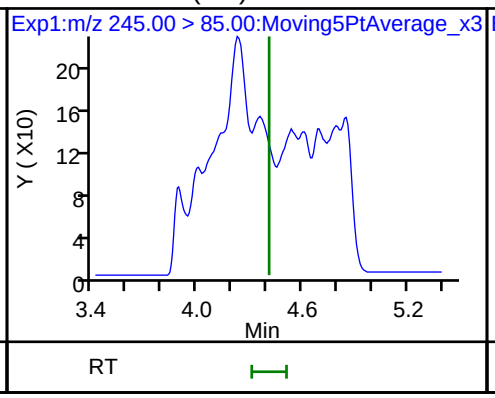
103 NVHOS (ND)



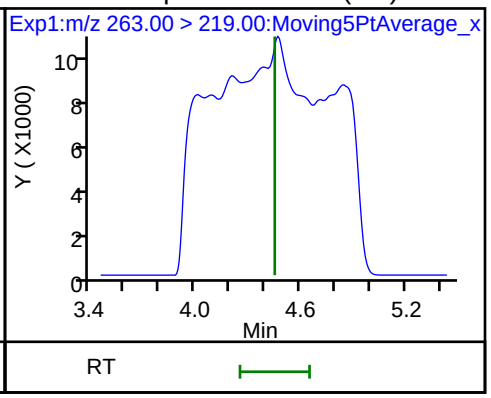
6 PFECA F



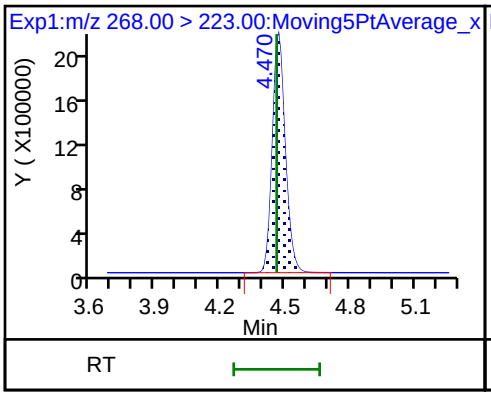
92 PFO2HxA (ND)



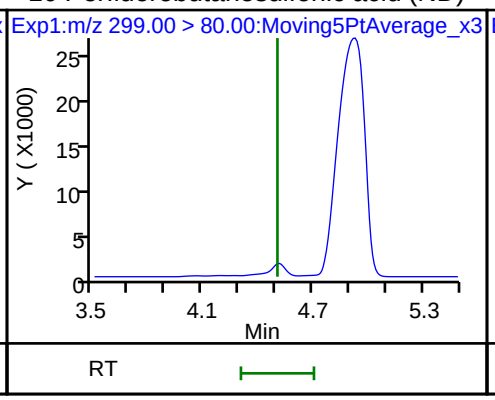
7 Perfluoropentanoic acid (ND)



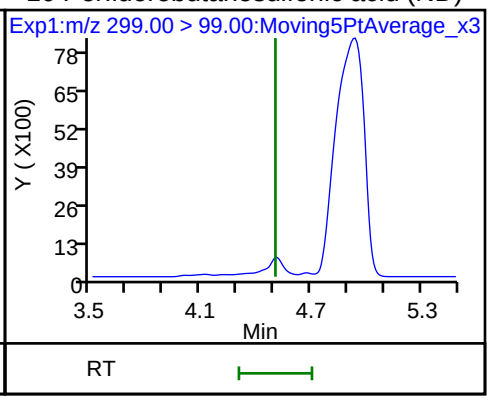
D 8 13C5 PFPeA



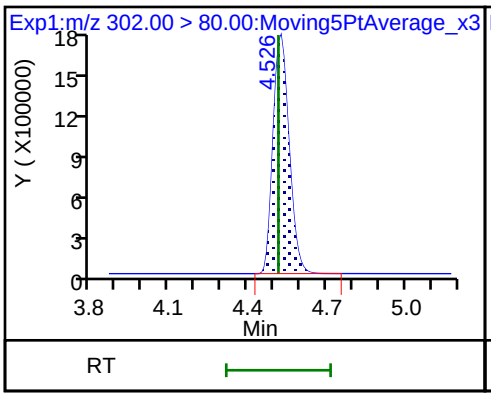
10 Perfluorobutanesulfonic acid (ND)



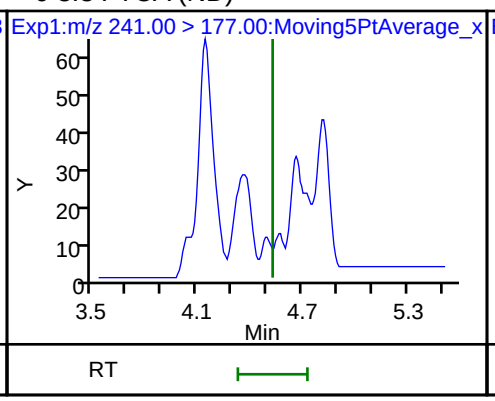
10 Perfluorobutanesulfonic acid (ND)



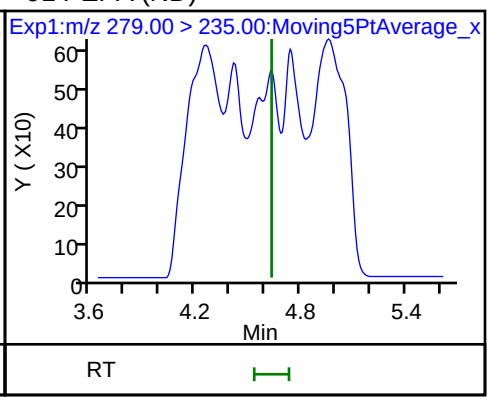
D 11 13C3 PFBS



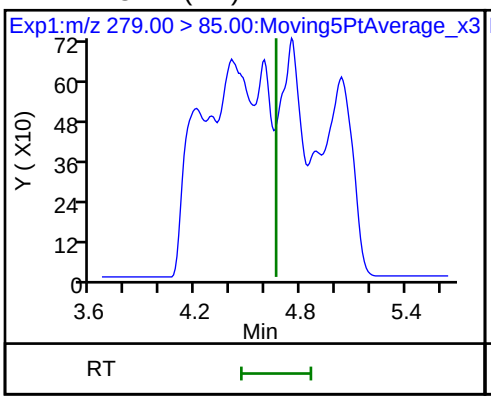
9 3:3 FTCA (ND)



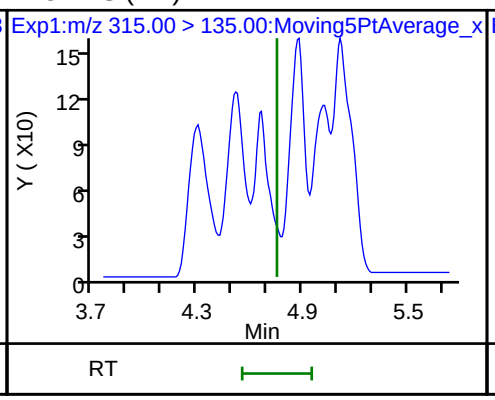
91 PEPA (ND)



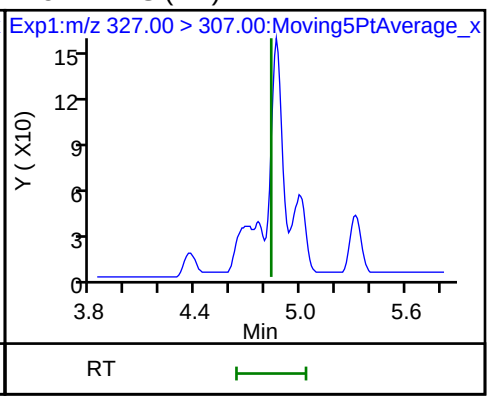
12 PFECA A (ND)



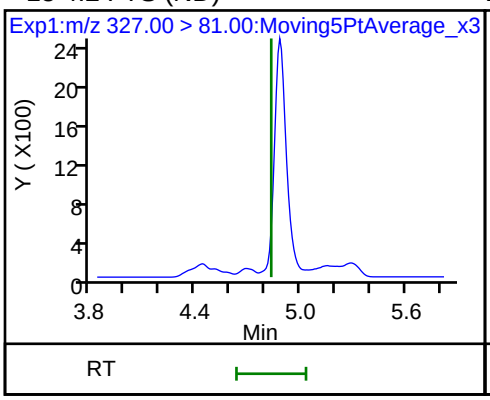
13 PES (ND)



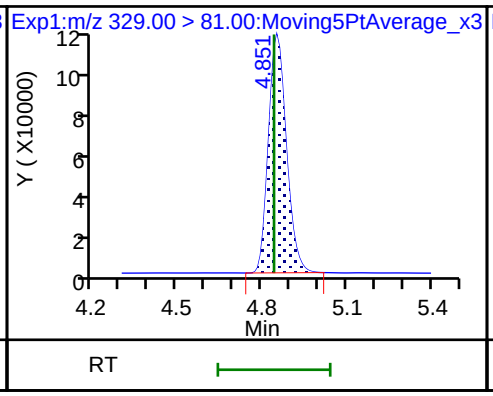
15 4:2 FTS (ND)



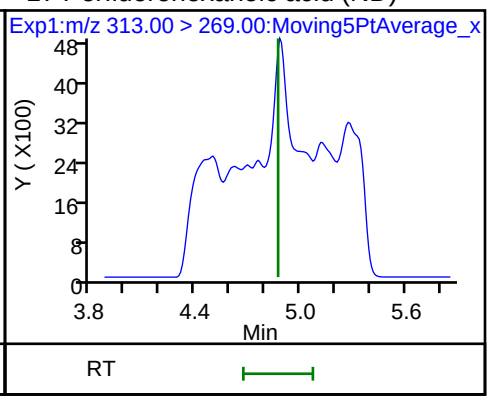
15 4:2 FTS (ND)



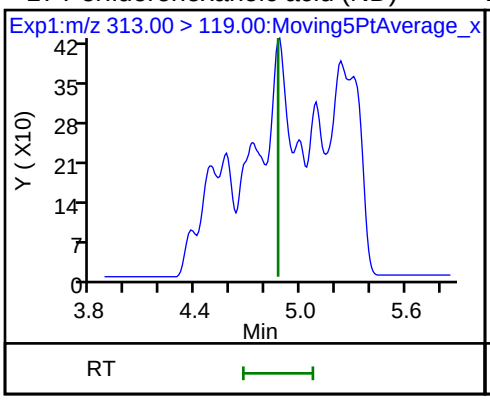
D 16 M2-4:2 FTS



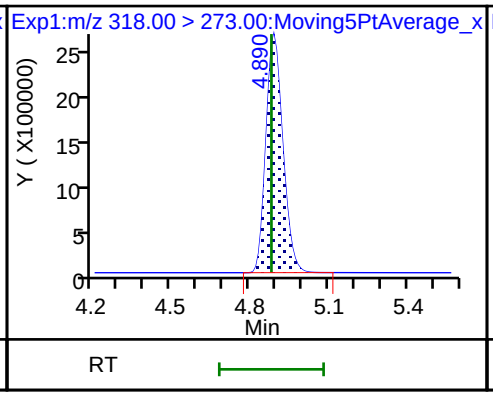
17 Perfluorohexanoic acid (ND)



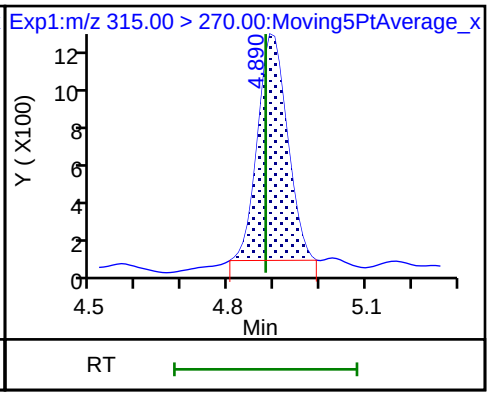
17 Perfluorohexanoic acid (ND)



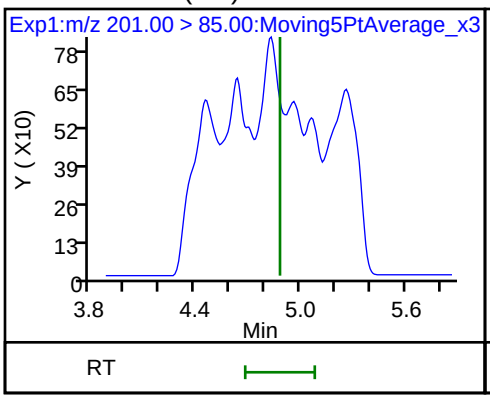
D 19 13C5 PFHxA



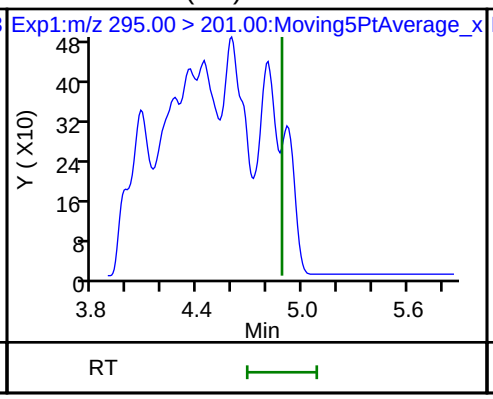
$ 18 13C2 PFHxA



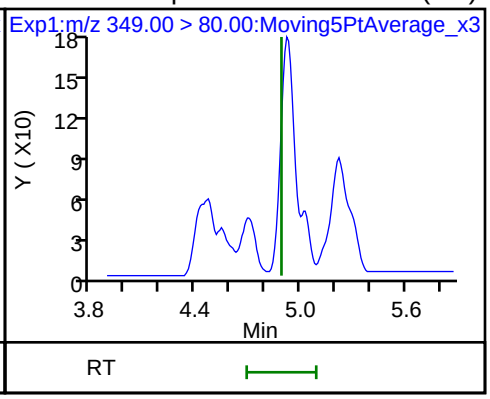
14 PFECA B (ND)



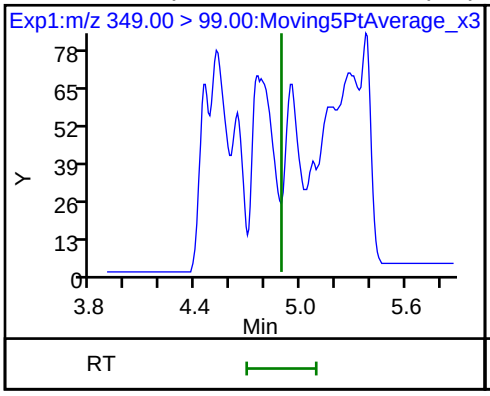
14 PFECA B (ND)



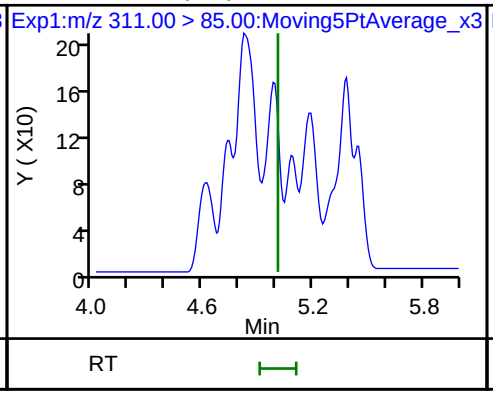
20 Perfluoropentanesulfonic acid (ND)



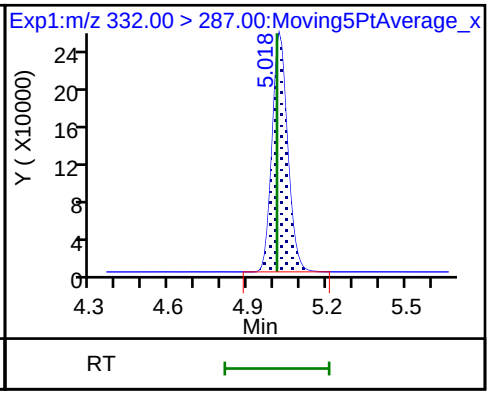
20 Perfluoropentanesulfonic acid (ND)



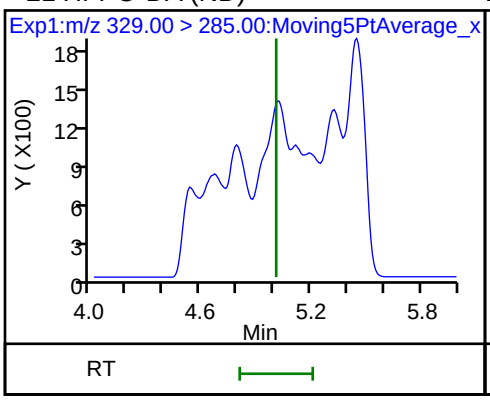
93 PFO3OA (ND)



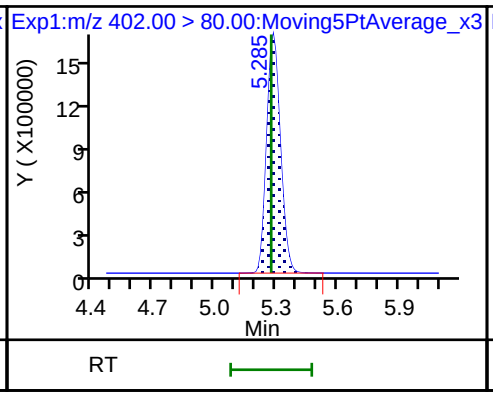
D 22 13C3 HFPO-DA



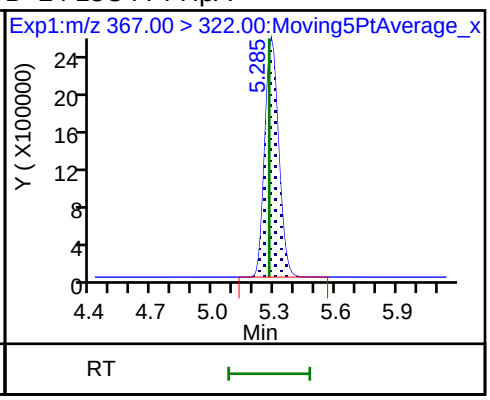
21 HFPO-DA (ND)



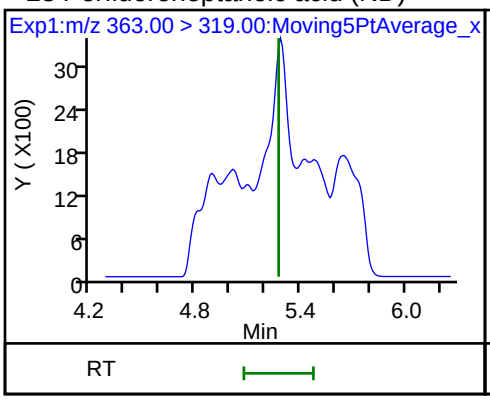
D 25 13C3 PFHxS



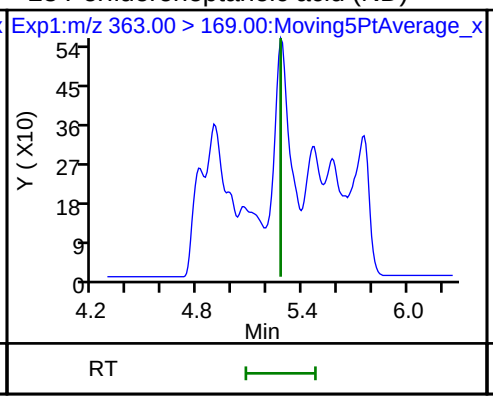
D 24 13C4 PFHpA



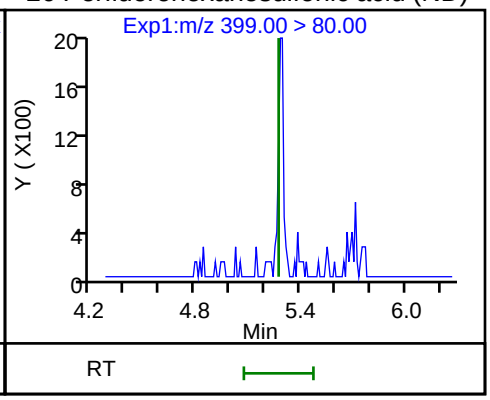
23 Perfluoroheptanoic acid (ND)



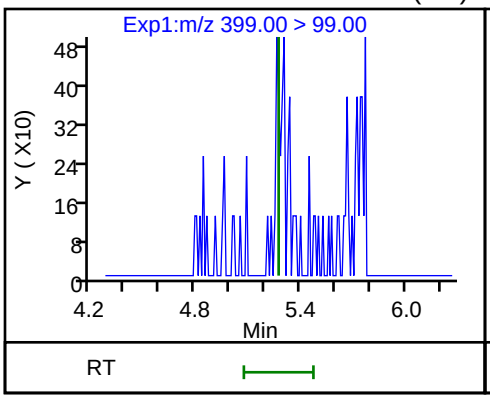
23 Perfluoroheptanoic acid (ND)



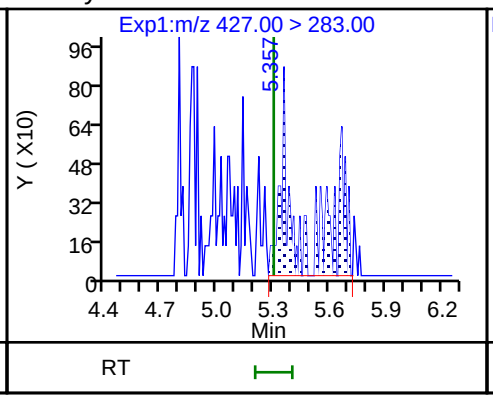
26 Perfluorohexanesulfonic acid (ND)



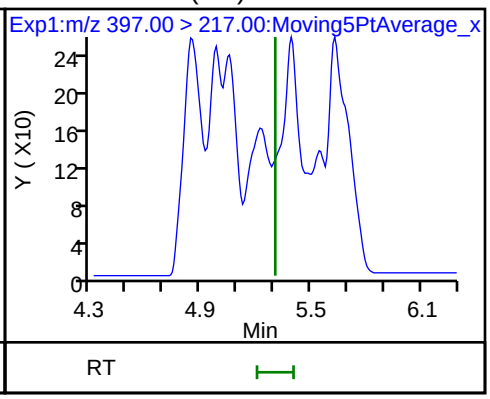
26 Perfluorohexanesulfonic acid (ND)



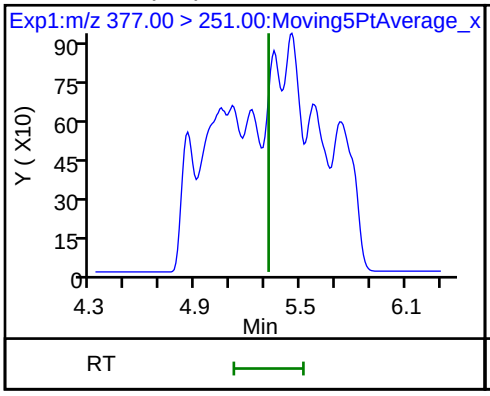
97 Hydro-EVE Acid



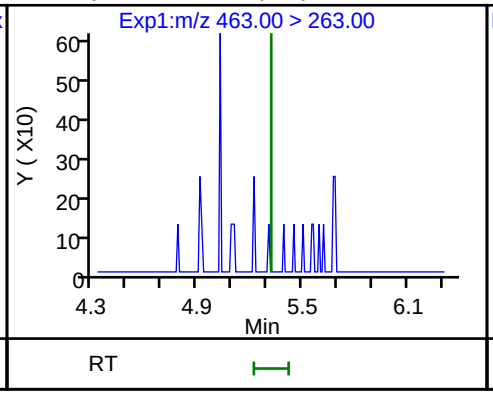
94 R-PSDCA (ND)



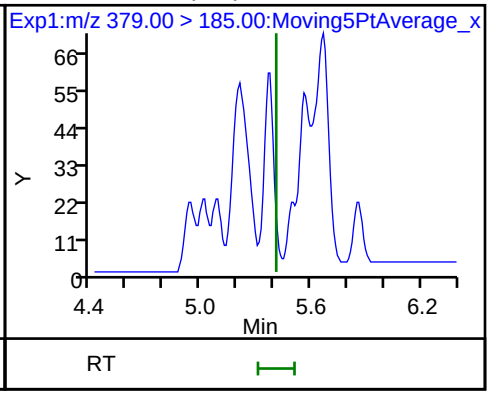
27 DONA (ND)



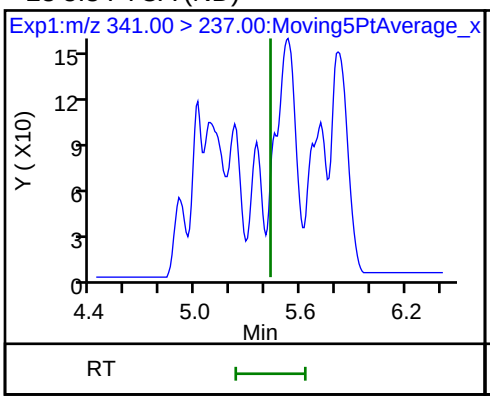
106 Hydro-PS Acid (ND)



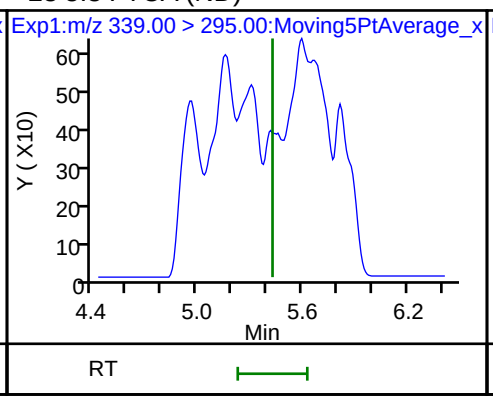
98 PFECA G (ND)



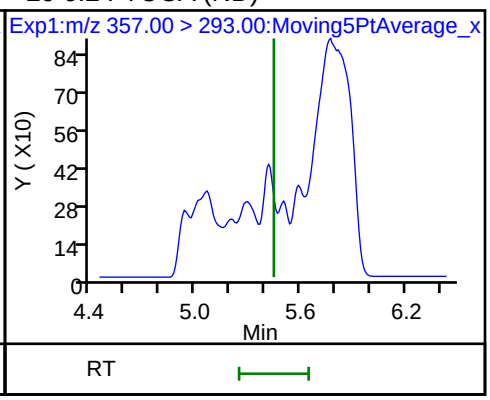
28 5:3 FTCA (ND)



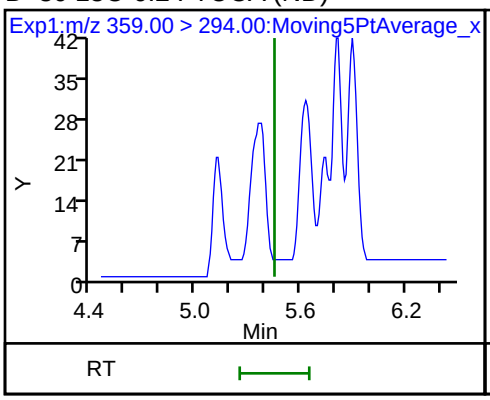
28 5:3 FTCA (ND)



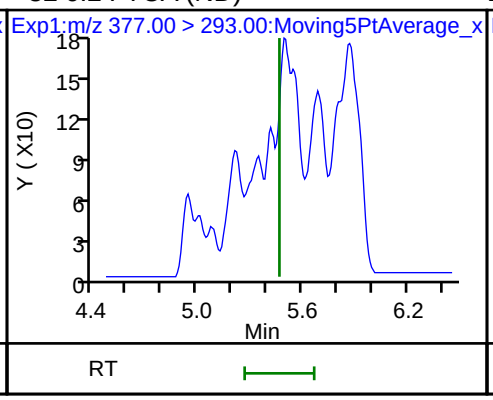
29 6:2 FTUCA (ND)



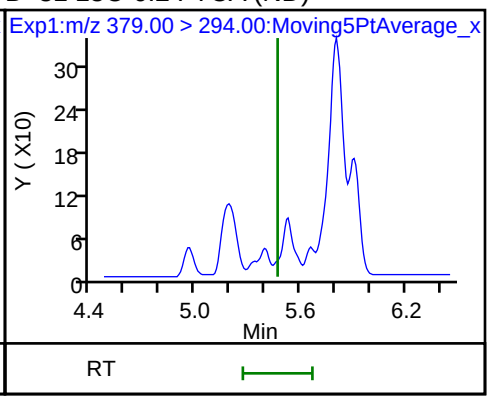
D 30 13C-6:2 FTUCA (ND)



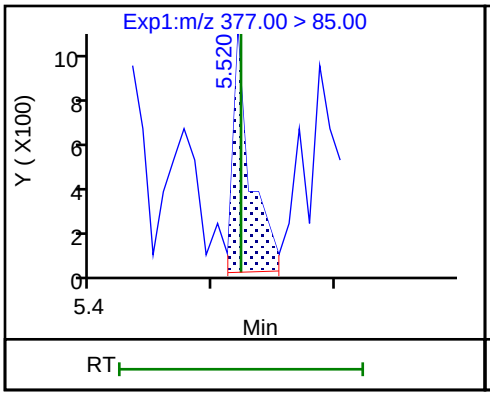
32 6:2 FTCA (ND)



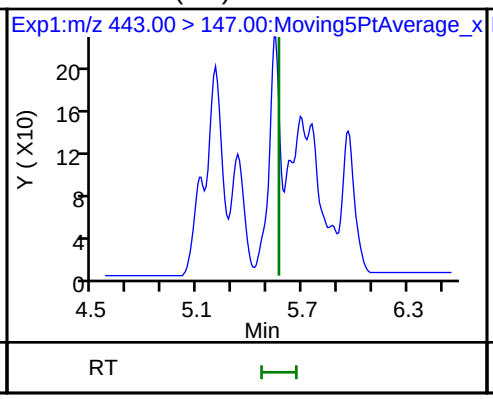
D 31 13C-6:2 FTCA (ND)



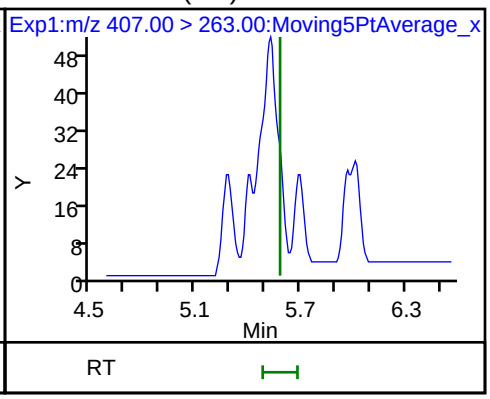
95 PFO4DA



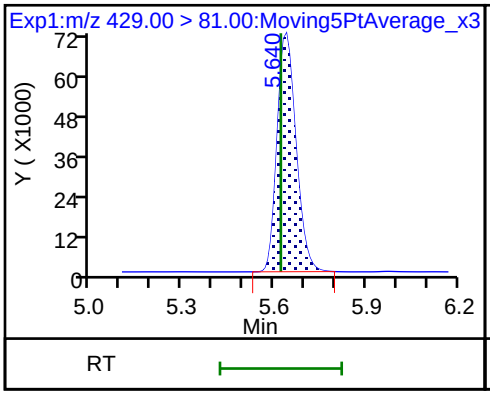
104 PS Acid (ND)



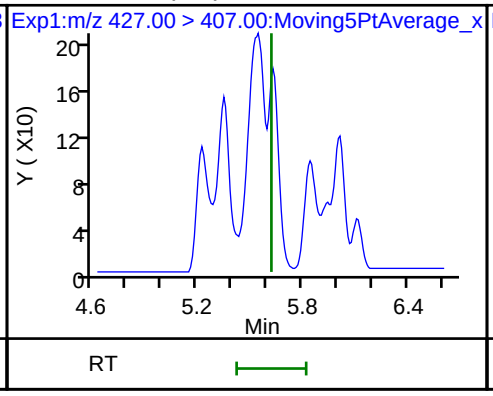
90 EVE Acid (ND)



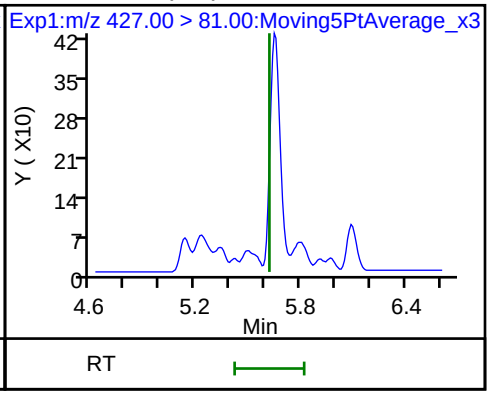
D 35 M2-6:2 FTS



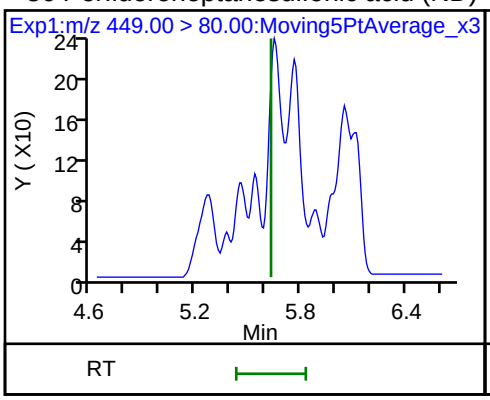
34 6:2 FTS (ND)



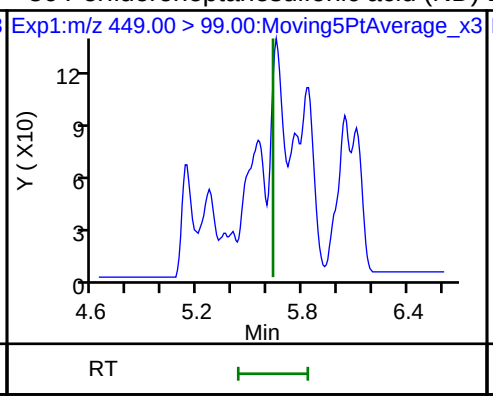
34 6:2 FTS (ND)



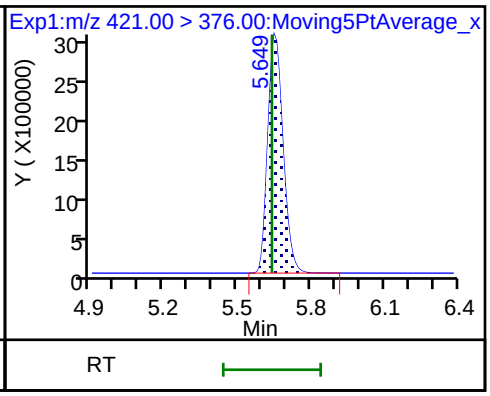
36 Perfluoroheptanesulfonic acid (ND)



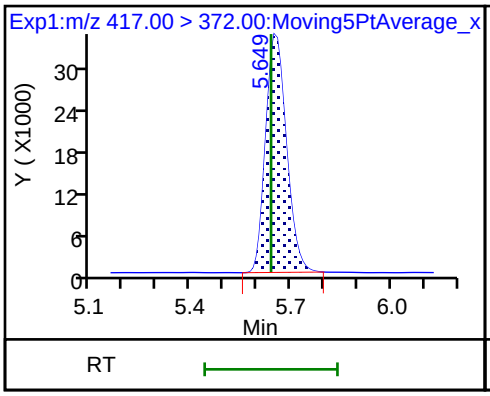
36 Perfluoroheptanesulfonic acid (ND)



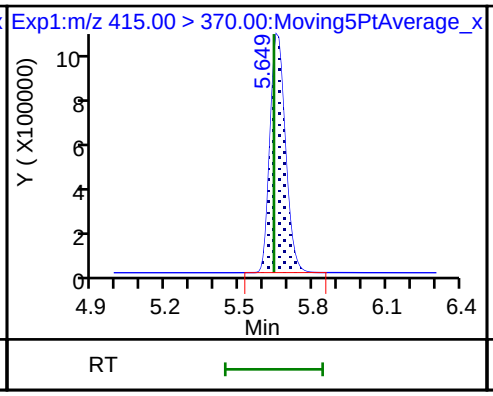
D 37 13C8 PFOA



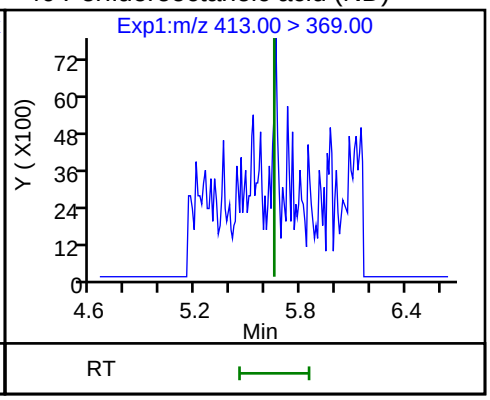
$ 39 13C4 PFOA



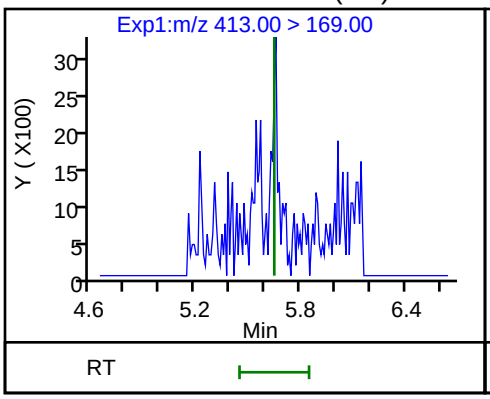
* 38 13C2 PFOA



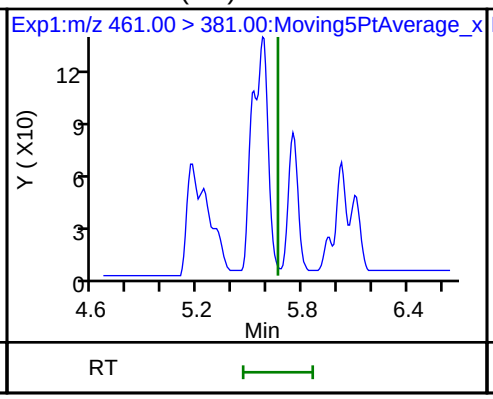
40 Perfluorooctanoic acid (ND)



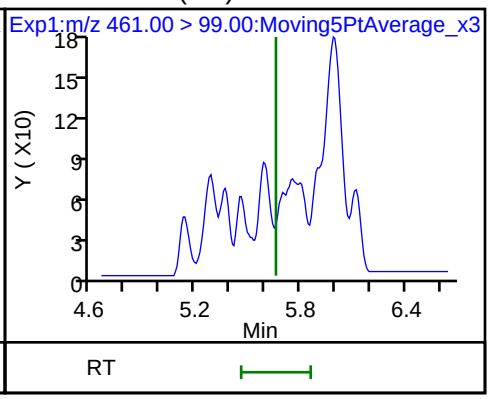
40 Perfluorooctanoic acid (ND)



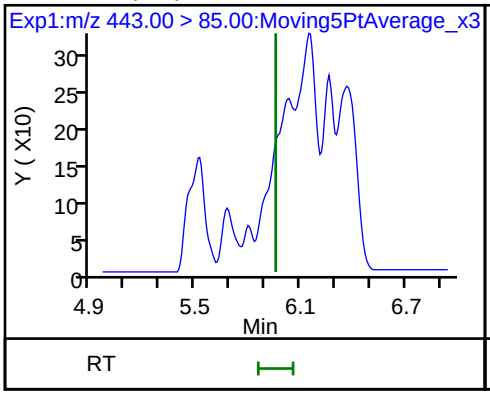
33 PFECHS (ND)



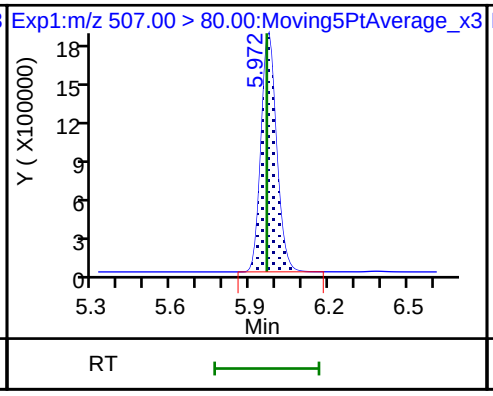
33 PFECHS (ND)



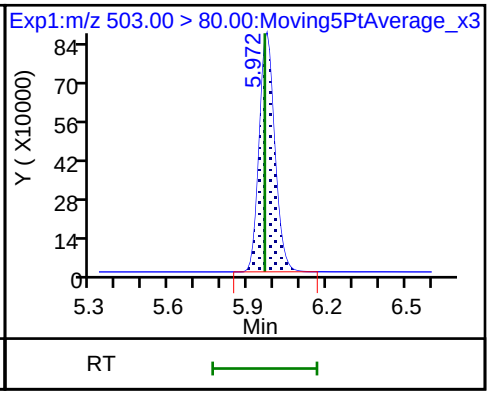
101 TAF (ND)



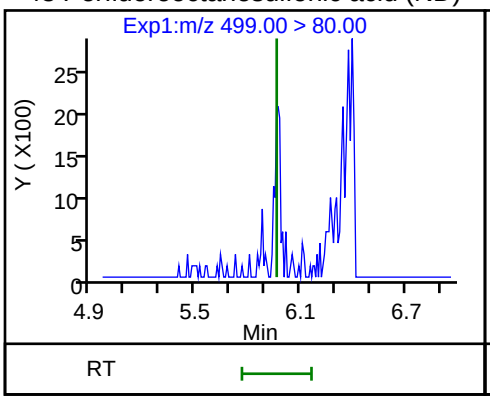
D 41 13C8 PFOS



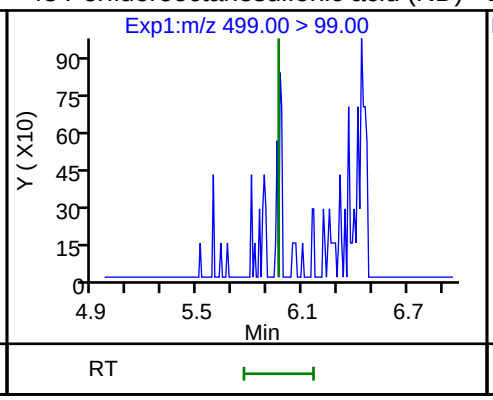
* 42 13C4 PFOS



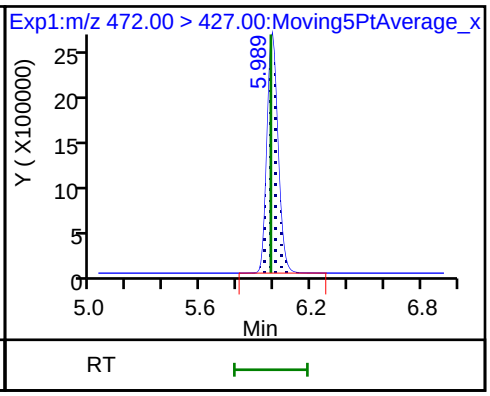
43 Perfluorooctanesulfonic acid (ND)



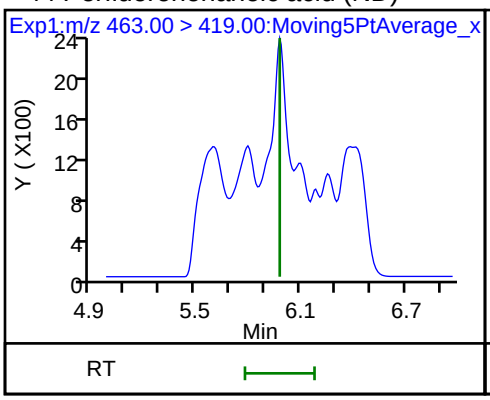
43 Perfluorooctanesulfonic acid (ND)



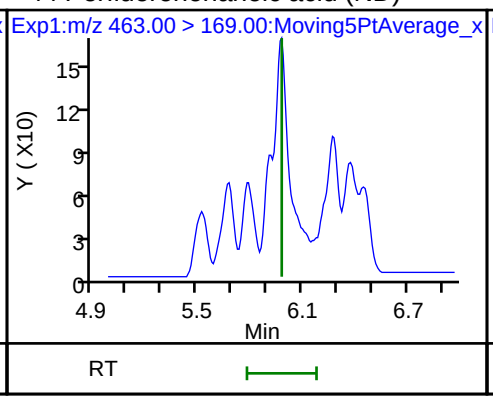
D 45 13C9 PFNA



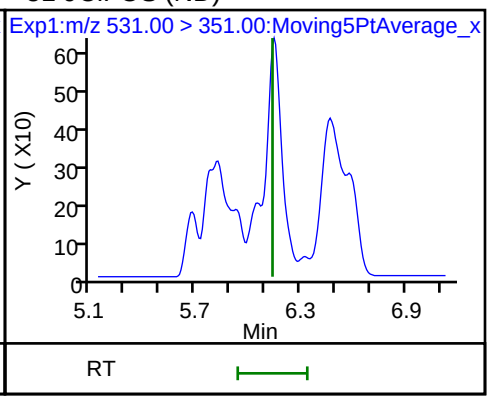
44 Perfluorononanoic acid (ND)



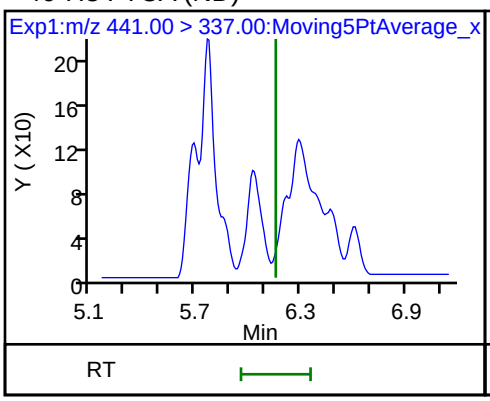
44 Perfluorononanoic acid (ND)



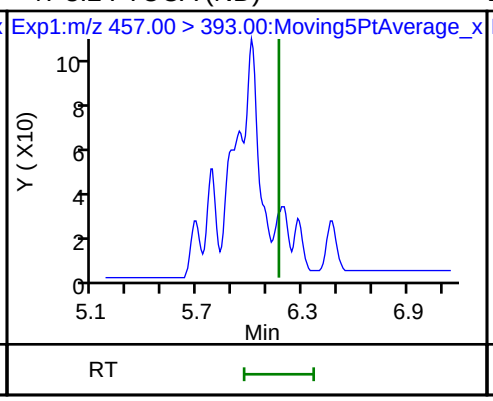
51 9ClFOS (ND)



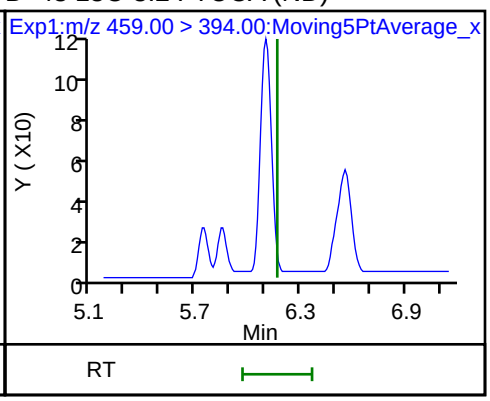
46 7:3 FTCA (ND)



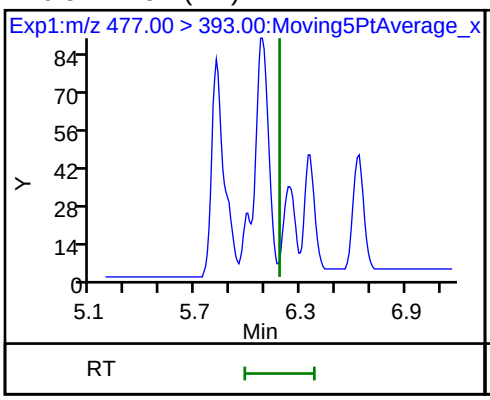
47 8:2 FTUCA (ND)



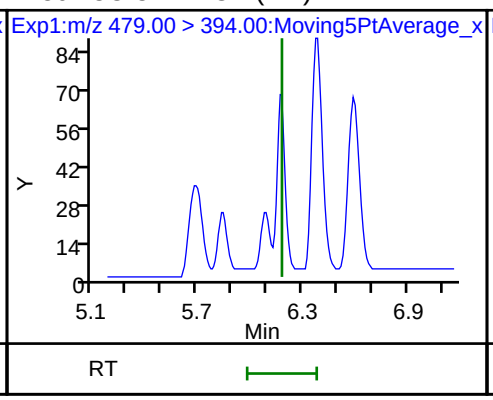
D 48 13C-8:2 FTUCA (ND)



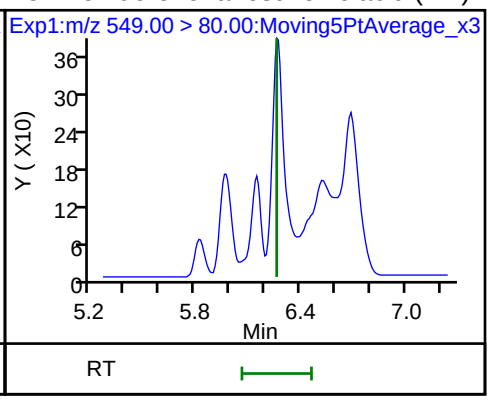
49 8:2 FTCA (ND)



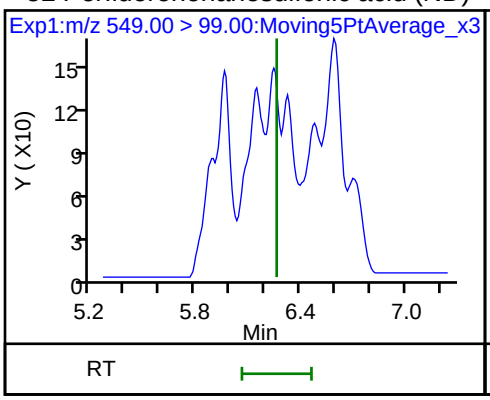
D 50 13C-8:2 FTCA (ND)



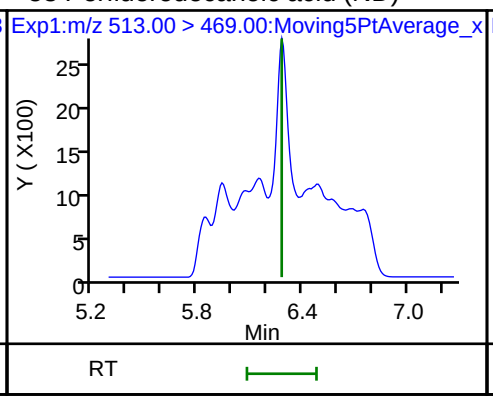
52 Perfluorononanesulfonic acid (ND)



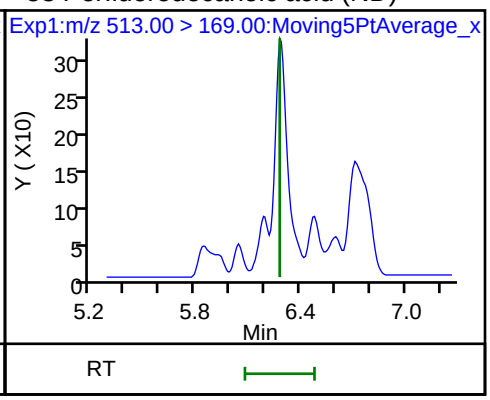
52 Perfluorononanesulfonic acid (ND)



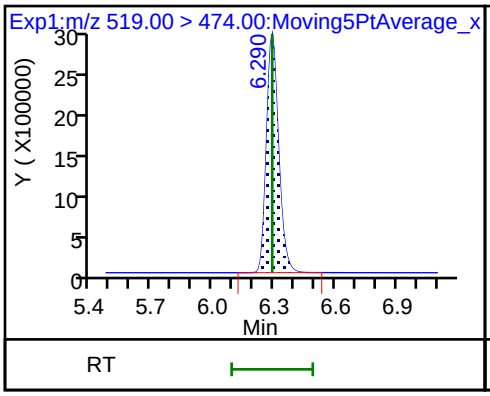
53 Perfluorodecanoic acid (ND)



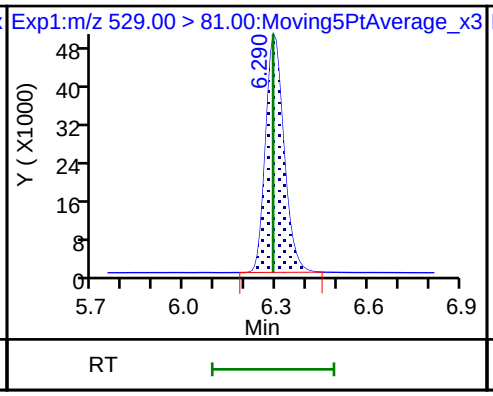
53 Perfluorodecanoic acid (ND)



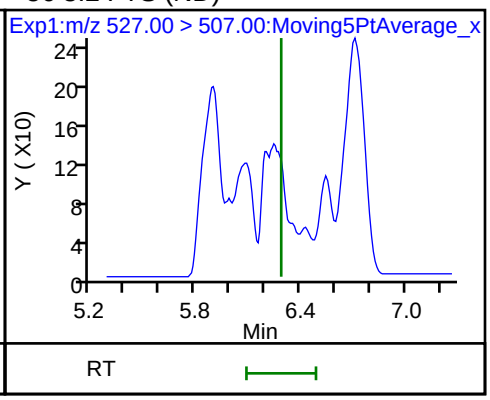
D 54 13C6 PFDA



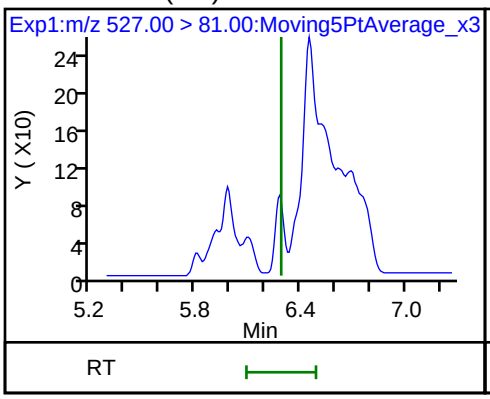
D 57 M2-8:2 FTS



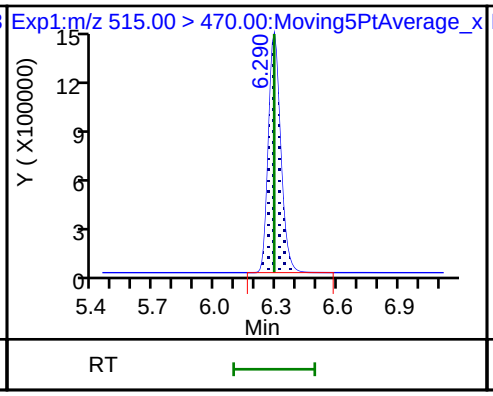
56 8:2 FTS (ND)



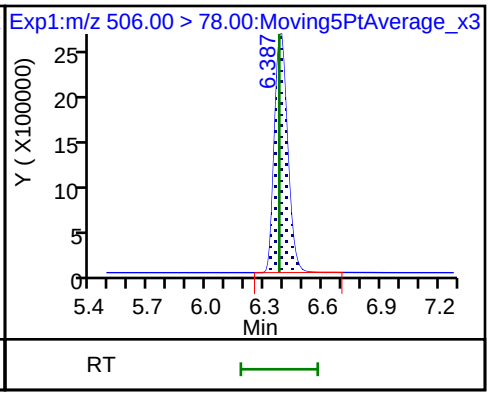
56 8:2 FTS (ND)



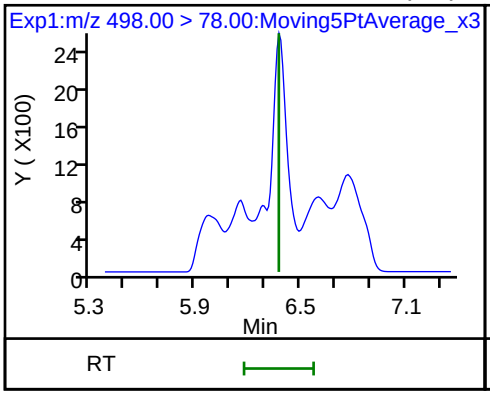
* 55 13C2 PFDA



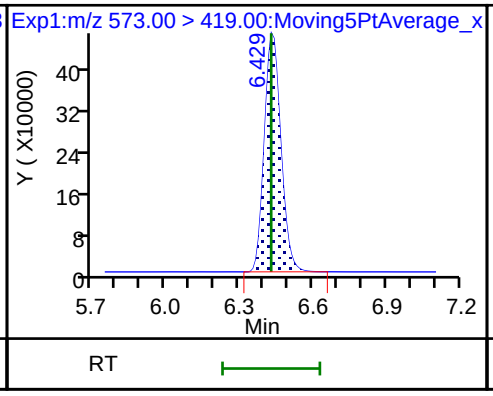
D 59 13C8 FOSA



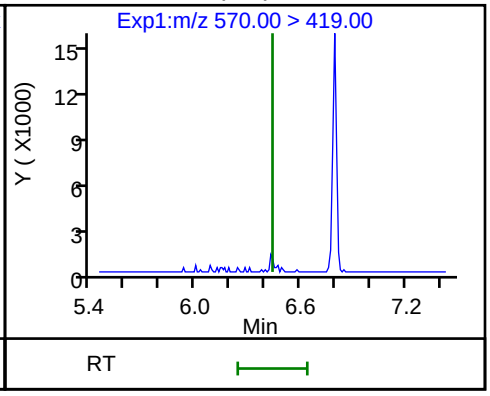
58 Perfluorooctanesulfonamide (ND)



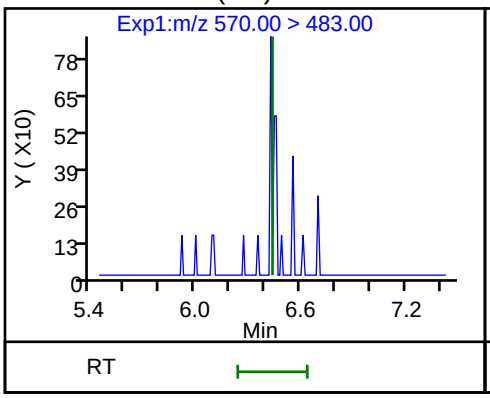
D 61 d3-NMeFOSAA



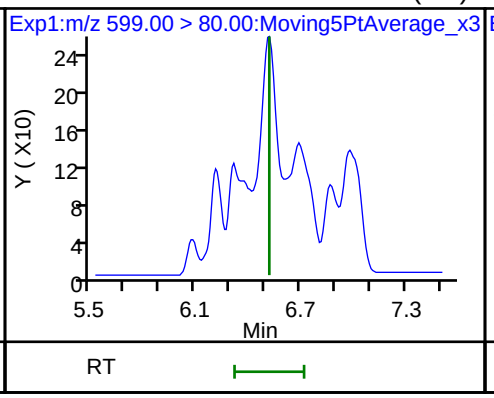
60 NMeFOSAA (ND)



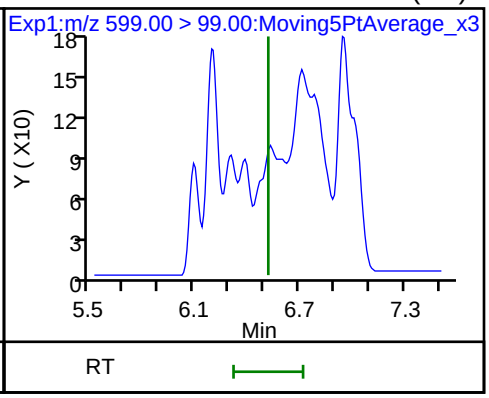
60 NMeFOSAA (ND)



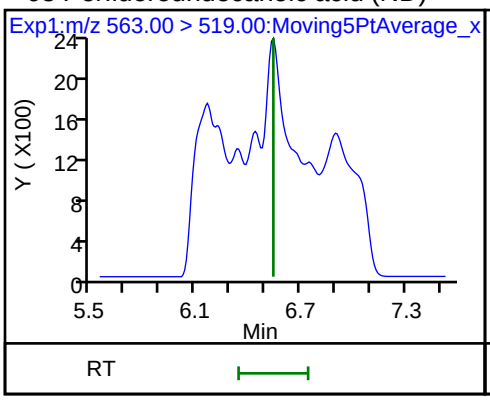
62 Perfluorodecanesulfonic acid (ND)



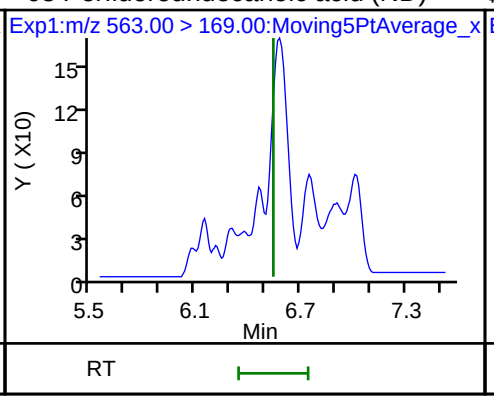
62 Perfluorodecanesulfonic acid (ND)



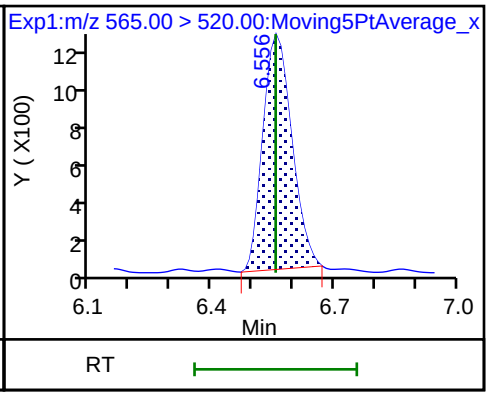
63 Perfluoroundecanoic acid (ND)



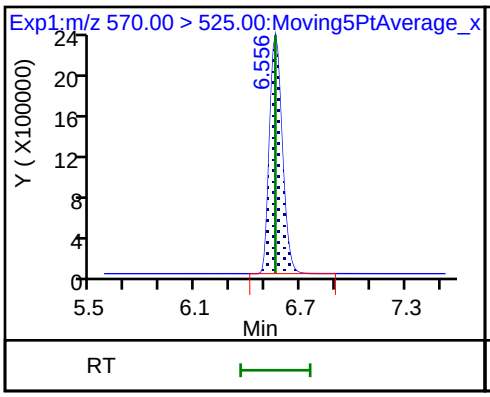
63 Perfluoroundecanoic acid (ND)



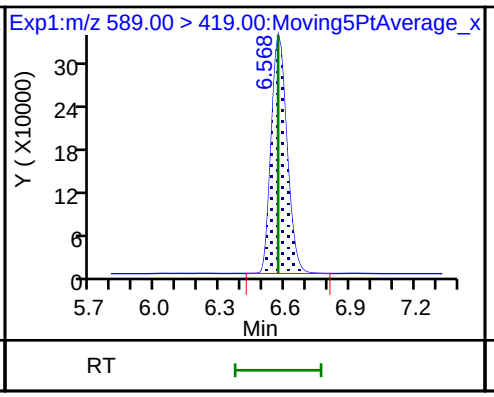
$ 64 13C2 PFUnA



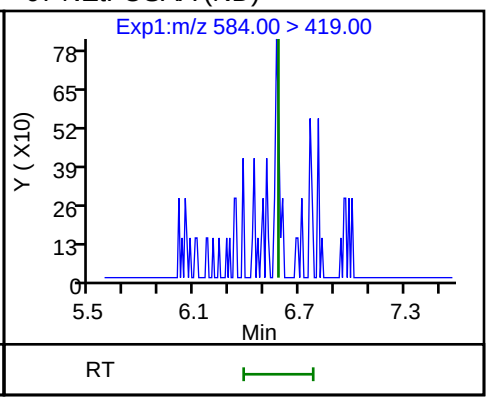
D 65 13C7 PFUnA



D 66 d5-NEtFOSAA



67 NEtFOSAA (ND)



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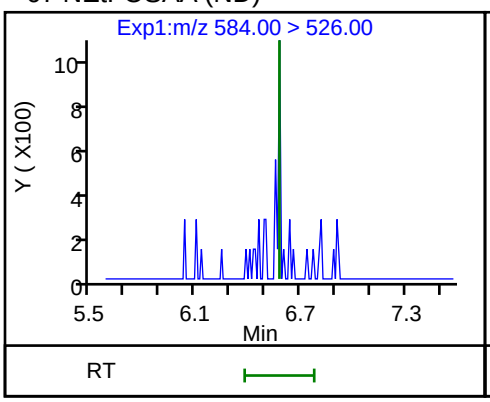
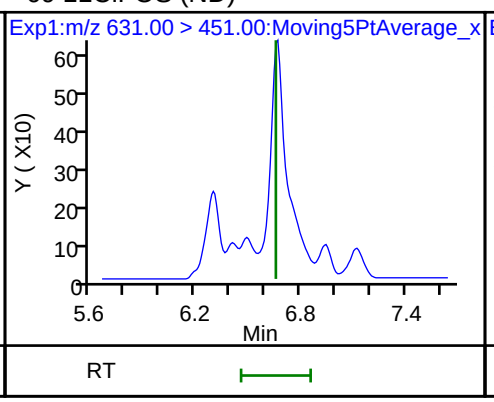
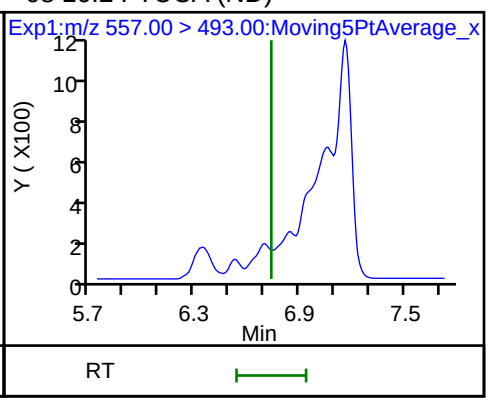


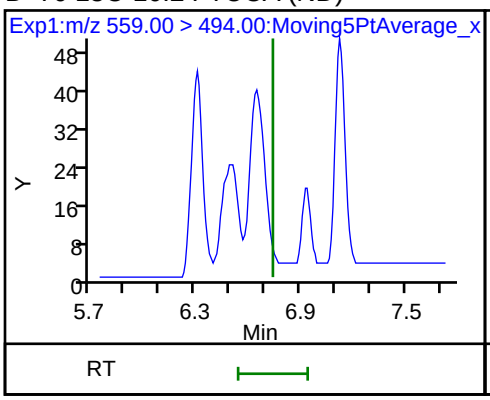
69 11ClFOS (ND)



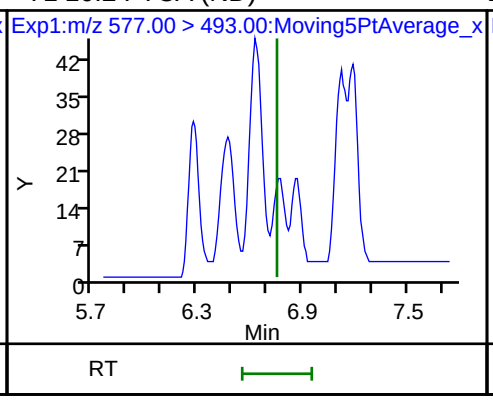
68 10:2 FTUCA (ND)



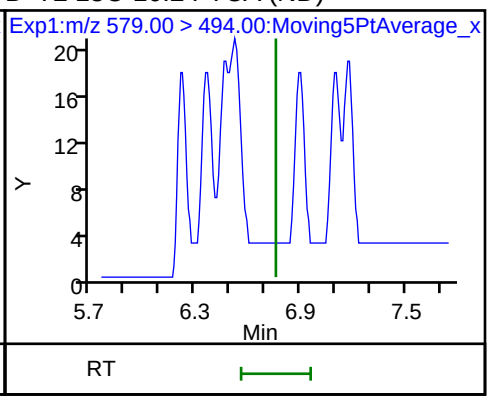
D 70 13C-10:2 FTUCA (ND)



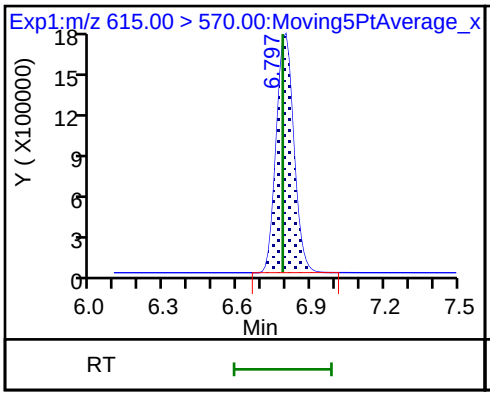
71 10:2 FTCA (ND)



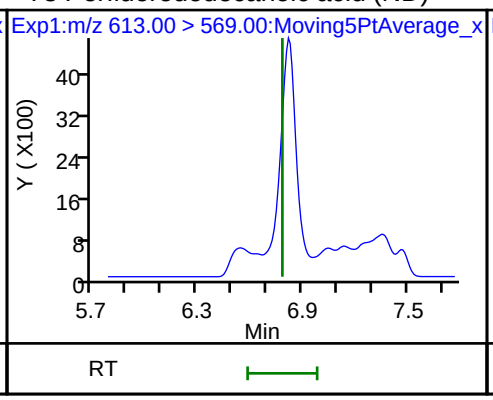
D 72 13C-10:2 FTCA (ND)



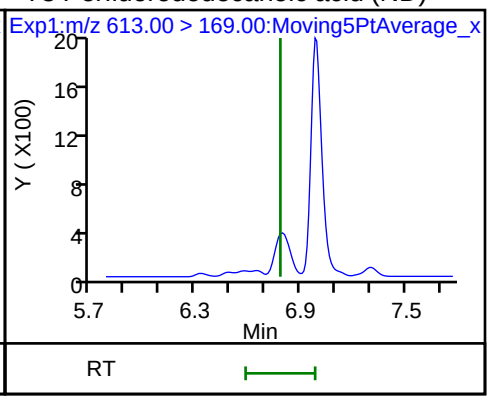
D 74 13C2-PFDoDA



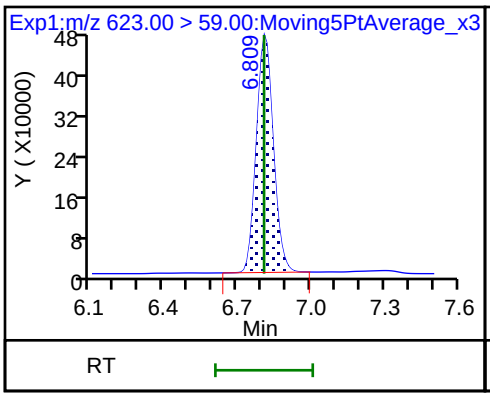
73 Perfluorododecanoic acid (ND)



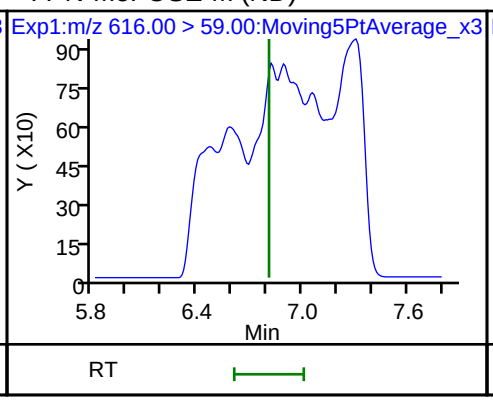
73 Perfluorododecanoic acid (ND)



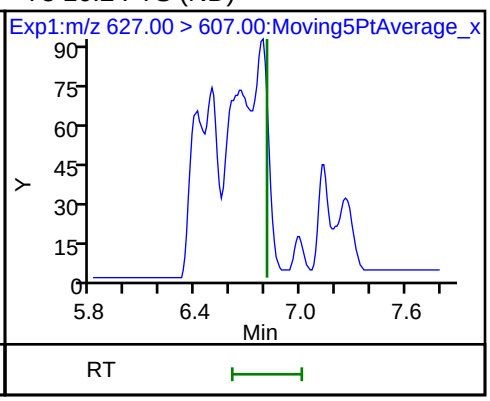
D 76 d7-N-MeFOSE-M



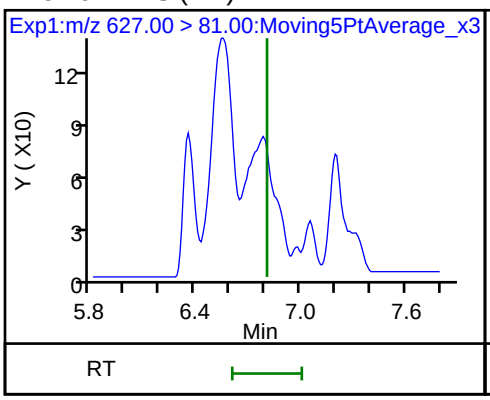
77 N-MeFOSE-M (ND)



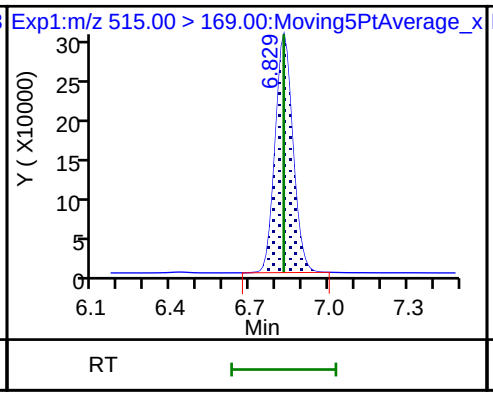
75 10:2 FTS (ND)



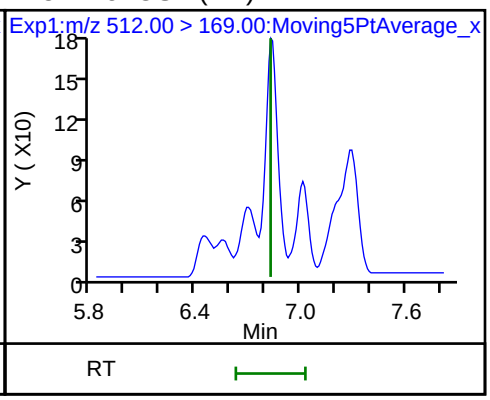
75 10:2 FTS (ND)



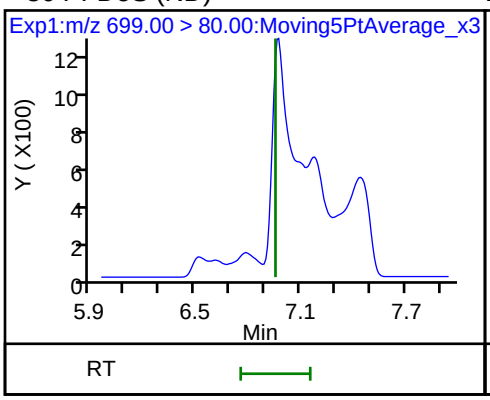
D 79 d3-NMePFOSA



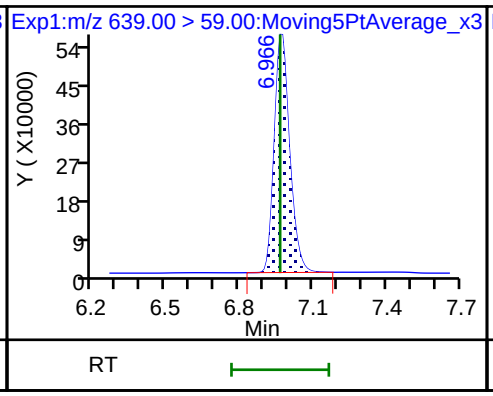
78 NMeFOSA (ND)



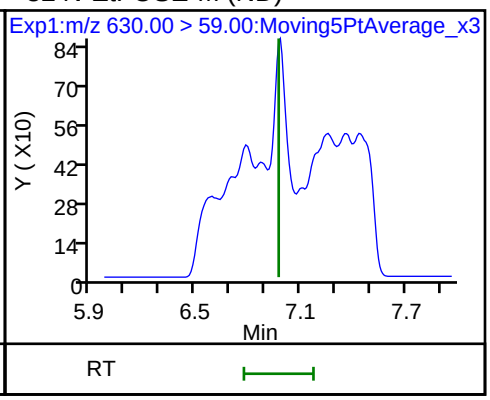
80 PFDoS (ND)



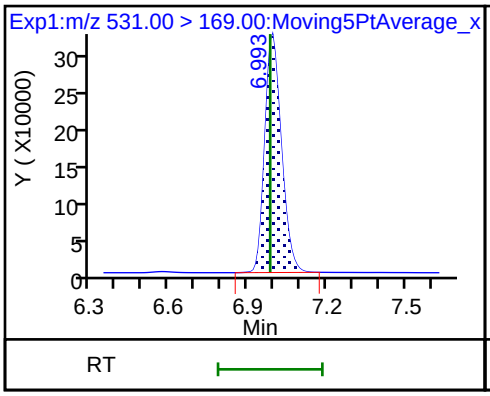
D 81 d9-N-EtFOSE-M



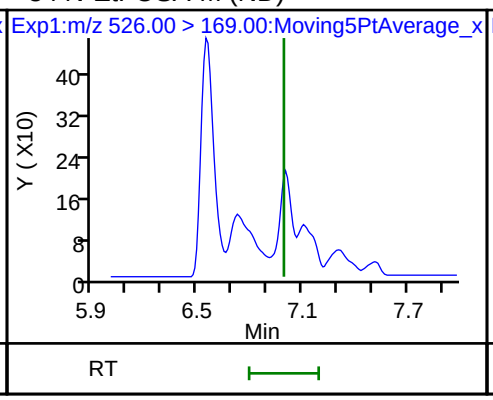
82 N-EtFOSE-M (ND)



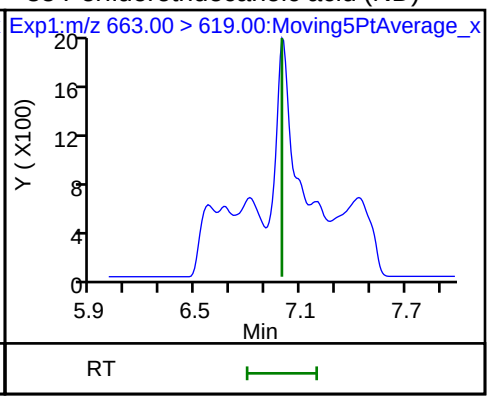
D 83 d5-NEtPFOSA



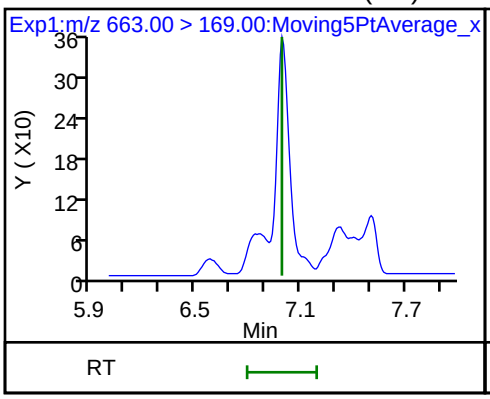
84 N-EtFOSA-M (ND)



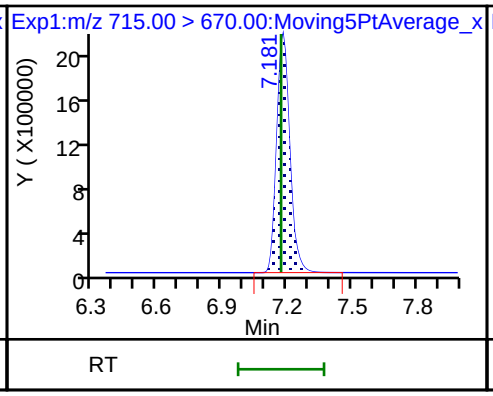
85 Perfluorotridecanoic acid (ND)



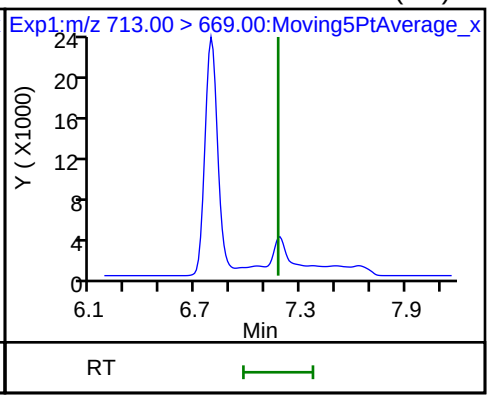
85 Perfluorotridecanoic acid (ND)



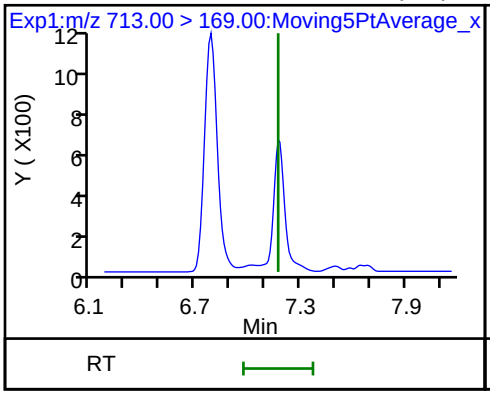
D 87 13C2 PFTeDA



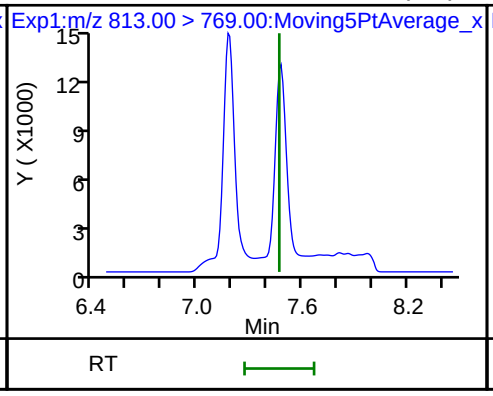
86 Perfluorotetradecanoic acid (ND)



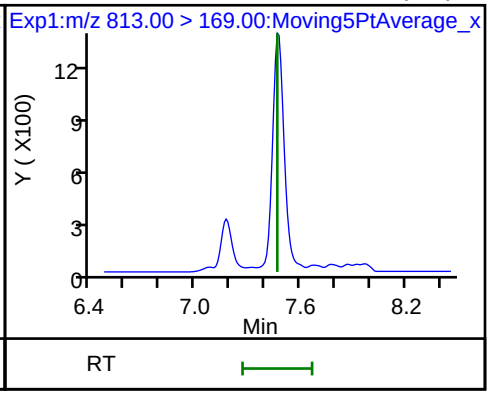
86 Perfluorotetradecanoic acid (ND)



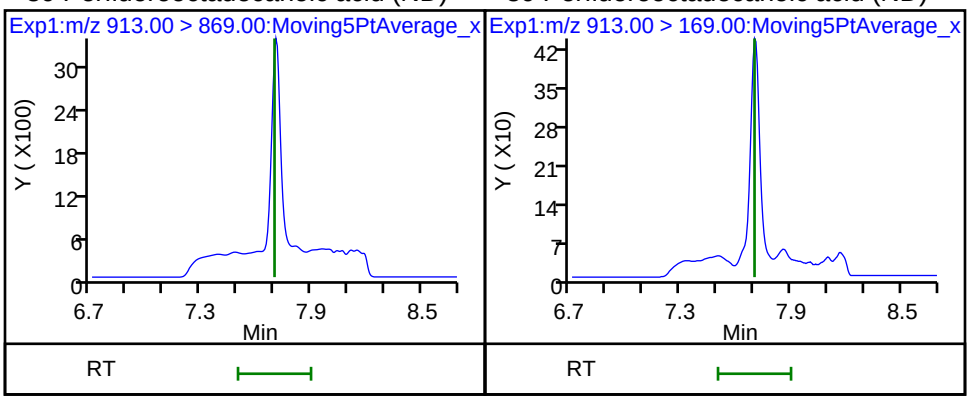
88 Perfluorohexadecanoic acid (ND)



88 Perfluorohexadecanoic acid (ND)



89 Perfluorooctadecanoic acid (ND) 89 Perfluorooctadecanoic acid (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-150688/2-A

Matrix: Water Lab File ID: 21JUL22-45.d

Analysis Method: 537 IDA Date Collected:

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 250(mL) Date Analyzed: 07/23/2021 02:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151710 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	29.24		2.00	0.50
375-85-9	Perfluoroheptanoic acid	27.12		2.00	0.50
335-67-1	Perfluorooctanoic acid	30.35		2.00	0.50
375-95-1	Perfluorononanoic acid	28.11		2.00	0.50
335-76-2	Perfluorodecanoic acid	27.16		2.00	0.50
72629-94-8	Perfluorotridecanoic acid	27.87		2.00	0.50
376-06-7	Perfluorotetradecanoic acid	29.02		2.00	0.50
375-73-5	Perfluorobutanesulfonic acid	24.69		2.00	0.50
355-46-4	Perfluorohexanesulfonic acid	25.94		2.00	0.50
1763-23-1	Perfluorooctanesulfonic acid	25.73		2.00	0.50
2991-50-6	NEtFOSAA	26.92		3.00	0.50
2355-31-9	NMeFOSAA	26.95		2.00	0.60
375-92-8	Perfluoroheptanesulfonic acid	27.81		2.00	0.50
335-77-3	Perfluorodecanesulfonic acid	23.54		2.00	0.50
754-91-6	Perfluorooctanesulfonamide	29.93		2.00	0.50
375-22-4	Perfluorobutanoic acid	26.97		5.00	2.00
2058-94-8	Perfluoroundecanoic acid	30.15		2.00	0.50
307-55-1	Perfluorododecanoic acid	26.92		2.00	0.50
27619-97-2	6:2 Fluorotelomer sulfonic acid	24.23		5.00	2.00
39108-34-4	8:2 Fluorotelomer sulfonic acid	26.03		3.00	1.00
2706-90-3	Perfluoropentanoic acid	25.99		2.00	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-150688/2-A

Matrix: Water Lab File ID: 21JUL22-45.d

Analysis Method: 537 IDA Date Collected:

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 250(mL) Date Analyzed: 07/23/2021 02:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151710 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	123		34-182
STL02279	M2-6:2 FTS	114		29-189
STL02577	13C5 PFHxA	91		31-142
STL01892	13C4 PFHpA	96		30-144
STL01052	13C8 PFOA	86		49-127
STL02578	13C9 PFNA	101		47-136
STL02579	13C6 PFDA	97		47-128
STL02580	13C7 PFUnA	98		40-135
STL02703	13C2-PFDoDA	88		28-136
STL02116	13C2 PFTeDA	80		10-144
STL02337	13C3 PFBS	89		19-178
STL02581	13C3 PFHxS	83		32-145
STL01054	13C8 PFOS	98		49-126
STL02118	d3-NMeFOSAA	84		32-151
STL02117	d5-NEtFOSAA	104		37-164
STL01056	13C8 FOSA	69		10-143
STL00992	13C4 PFBA	93		41-132
STL01893	13C5 PFPeA	100		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-45.d
Lims ID: LCS 410-150688/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Jul-2021 02:10:43 ALS Bottle#: 15 Worklist Smp#: 117
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-150688/2-A
Misc. Info.: Plate: 3 Rack: 1 410-0035007-117
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 16:32:11 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: kruelleh Date: 23-Jul-2021 09:10:14
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4 PFBA										
217.00 > 172.00	3.941	3.938	0.003	1.000	8211324	9.30		93.0	239118	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.941	3.938	0.003	1.000	4774214	6.74		105	13907	
* 4 13C3-PFBA										
216.00 > 172.00	3.941	3.940	0.001		3929606	5.00			36737	
7 Perfluoropentanoic acid										
263.00 > 219.00	4.480	4.471	0.009	1.000	5023402	6.50		102	6774	
D 8 13C5 PFPeA										
268.00 > 223.00	4.480	4.475	0.005	1.137	8185506	10.0		100	248749	
10 Perfluorobutanesulfonic acid										
299.00 > 80.00	4.527	4.525	0.002	0.998	3858687	6.17	Target=3.13	109	6330	
299.00 > 99.00	4.527	4.525	0.002	0.998	1260185		3.06(1.57-4.70)		5577	
D 11 13C3 PFBS										
302.00 > 80.00	4.537	4.528	0.009	1.151	5650826	8.23		88.5	263873	
15 4:2 FTS										
327.00 > 307.00	4.852	4.853	-0.001	0.998	1124858	5.80	Target=1.61	97.1	63195	
327.00 > 81.00	4.852	4.853	-0.001	0.998	650588		1.73(0.81-2.42)		18213	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.862	4.858	0.004	0.861	539802	10.5		112	20382	
17 Perfluorohexanoic acid										
313.00 > 269.00	4.891	4.891	0.0	0.998	5324482	7.31	Target=14.88	114	22671	
313.00 > 119.00	4.891	4.891	0.0	0.998	370291		14.38(7.44-22.32)		11877	
D 19 13C5 PFHxA										
318.00 > 273.00	4.901	4.896	0.005	0.867	9651732	9.14		91.4	213864	
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.911	4.911	0.0	1.083	3940219	6.79	Target=3.52	113	146735	
349.00 > 99.00	4.911	4.911	0.0	1.083	1152623		3.42(1.76-5.28)		64702	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
21 HFPO-DA										
329.00 > 285.00	5.019	5.025	-0.006	0.998	1794323	7.08		111	13898	
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.028	5.027	0.001	0.890	810260	8.32		83.2	49173	
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.285	5.286	-0.001	1.000	7279930	6.78	Target=3.85	106	47200	
363.00 > 169.00	5.285	5.286	-0.001	1.000	1818032		4.00(1.93-5.78)		48216	
D 25 13C3 PFHxS										
402.00 > 80.00	5.285	5.289	-0.004	0.936	5814724	7.81		82.5	179276	
D 24 13C4 PFHpA										
367.00 > 322.00	5.285	5.292	-0.007	0.936	10397918	9.60		96.0	247117	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.285	5.292	-0.007	1.000	3909482	6.48	Target=3.51	111	8404	
399.00 > 99.00	5.285	5.292	-0.007	1.000	1176173		3.32(1.75-5.26)		2199	
27 DONA										
377.00 > 251.00	5.328	5.336	-0.008	1.008	8817918	6.35		105	115455	
D 30 13C-6:2 FTUCA										
359.00 > 294.00	5.384	5.450	-0.066	0.953	4657639	NC		0.0	142603	
D 31 13C-6:2 FTCA										
379.00 > 294.00	5.409	5.468	-0.059	0.957	775572	NC		0.0	48809	
34 6:2 FTS										
427.00 > 407.00	5.631	5.638	-0.007	0.998	929551	6.06	Target=1.43	99.8	53717	
427.00 > 81.00	5.631	5.638	-0.007	0.998	732504		1.27(0.72-2.15)		24699	
D 35 M2-6:2 FTS										
429.00 > 81.00	5.640	5.640	0.0	0.998	309520	10.8		114	17907	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.640	5.642	-0.002	1.067	3811436	6.95	Target=3.86	114	180642	
449.00 > 99.00	5.640	5.642	-0.002	1.067	1051856		3.62(1.93-5.79)		61851	
D 37 13C8 PFOA										
421.00 > 376.00	5.650	5.656	-0.006	1.000	10125199	8.62		86.2	293287	
* 38 13C2 PFOA										
415.00 > 370.00	5.650	5.656	-0.006		4301047	5.00			165634	
40 Perfluorooctanoic acid										
413.00 > 369.00	5.650	5.659	-0.009	1.000	5741722	7.59	Target=2.48	119	123851	
413.00 > 169.00	5.650	5.659	-0.009	1.000	2370120		2.42(1.24-3.72)		127824	
D 41 13C8 PFOS										
507.00 > 80.00	5.974	5.975	-0.001	1.000	6097187	9.39		98.2	71016	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.974	5.977	-0.003	1.000	4484449	6.43	Target=4.45	109	9026	
499.00 > 99.00	5.974	5.977	-0.003	1.000	982992		4.56(2.23-6.68)		2469	
* 42 13C4 PFOS										
503.00 > 80.00	5.974	5.977	-0.003		3005493	4.78			92181	
44 Perfluorononanoic acid										
463.00 > 419.00	5.991	5.990	0.001	1.000	5530866	7.03	Target=4.83	110	41954	
463.00 > 169.00	5.982	5.990	-0.008	0.999	1208400		4.58(2.42-7.25)		57966	
D 45 13C9 PFNA										
472.00 > 427.00	5.991	5.994	-0.003	1.003	9141027	10.1		101	314557	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 9ClFOS										
531.00 > 351.00	6.142	6.147	-0.005	1.028	7686006	6.18		104	190471	
D 48 13C-8:2 FTUCA										
459.00 > 394.00	6.103	6.166	-0.063	0.970	4269575	NC		0.0	165243	
D 50 13C-8:2 FTCA										
479.00 > 394.00	6.113	6.182	-0.069	0.972	530407	NC		0.0	41383	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.266	6.270	-0.004	1.049	4278224	6.69	Target=4.19	109	150720	
549.00 > 99.00	6.266	6.270	-0.004	1.049	993923		4.30(2.09-6.28)		41255	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.292	6.294	-0.002	1.000	6694388	6.79	Target=10.20	106	77400	
513.00 > 169.00	6.292	6.294	-0.002	1.000	699816		9.57(5.10-15.29)		28073	
D 54 13C6 PFDA										
519.00 > 474.00	6.292	6.298	-0.006	1.000	11295916	9.68		96.8	269116	
56 8:2 FTS										
527.00 > 507.00	6.292	6.298	-0.006	0.999	1126516	6.51	Target=1.44	106	66973	
527.00 > 81.00	6.292	6.298	-0.006	0.999	765325		1.47(0.72-2.16)		30490	
* 55 13C2 PFDA										
515.00 > 470.00	6.292	6.298	-0.006		6141133	5.00			294093	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.300	6.303	-0.003	1.001	236020	11.8		123	13971	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.389	6.386	0.003	1.000	5859504	7.48		117	178685	
D 59 13C8 FOSA										
506.00 > 78.00	6.389	6.392	-0.003	1.015	7911079	6.85		68.5	130572	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.442	6.443	-0.001	1.024	1777492	8.39		83.9	63832	
60 NMeFOSAA										M
570.00 > 419.00	6.442	6.446	-0.004	1.000	1069604	6.74	Target=1.62	105	62769	M
570.00 > 483.00	6.442	6.446	-0.004	1.000	622344		1.72(0.81-2.44)		1585	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.535	6.532	0.003	1.094	4228624	5.89	Target=4.24	95.4	123318	
599.00 > 99.00	6.524	6.532	-0.008	1.092	1025001		4.13(2.12-6.36)		53460	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.559	6.564	-0.005	1.000	6801223	7.54	Target=8.77	118	38006	
563.00 > 169.00	6.559	6.564	-0.005	1.000	787748		8.63(4.39-13.16)		31634	
D 65 13C7 PFUnA										
570.00 > 525.00	6.559	6.567	-0.008	1.042	10925067	9.82		98.2	308023	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.582	6.579	0.003	1.046	1701344	10.4		104	30738	
67 NEtFOSAA										
584.00 > 419.00	6.582	6.592	-0.010	1.000	1094366	6.73	Target=1.47	105	147745	
584.00 > 526.00	6.582	6.592	-0.010	1.000	724372		1.51(0.74-2.21)		1008	
69 11ClFOS										
631.00 > 451.00	6.672	6.673	-0.001	1.117	5733406	5.74		96.4	196654	
D 70 13C-10:2 FTUCA										
559.00 > 494.00	6.661	6.741	-0.080	1.059	4868792	NC		0.0	200682	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 72 13C-10:2 FTCA										
579.00 > 494.00	6.682	6.758	-0.076	1.062	426665	NC		0.0	29224	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.799	6.802	-0.003	1.000	5080584	6.73	Target=5.09	105	60989	
613.00 > 169.00	6.787	6.802	-0.015	0.998	935999		5.43(2.54-7.63)		26904	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.799	6.805	-0.006	1.081	7529728	8.83		88.3	221677	
75 10:2 FTS										
627.00 > 607.00	6.810	6.820	-0.010	1.081	606460	4.89	Target=0.84	79.2	42439	
627.00 > 81.00	6.810	6.820	-0.010	1.081	725877		0.84(0.42-1.26)		37746	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.821	6.822	-0.001	1.084	1582143	7.05		70.5	5910	
77 N-MeFOSE-M										
616.00 > 59.00	6.821	6.828	-0.007	1.000	1079037	6.49		101	10855	
D 79 d3-NMePFOSA										
515.00 > 169.00	6.841	6.842	-0.001	1.087	612368	4.27		42.7	18773	
78 NMeFOSA										
512.00 > 169.00	6.841	6.842	-0.001	1.000	451142	7.37		115	13629	
80 PFDoS										
699.00 > 80.00	6.967	6.978	-0.011	1.166	4358974	6.40		103	112941	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.976	6.982	-0.006	1.109	1711555	7.02		70.2	8606	
82 N-EtFOSE-M										
630.00 > 59.00	6.986	6.991	-0.005	1.001	1230657	6.59		103	18913	
D 83 d5-NEtPFOSA										
531.00 > 169.00	6.995	7.004	-0.009	1.112	694792	5.05		50.5	17335	
84 N-EtFOSA-M										
526.00 > 169.00	7.004	7.008	-0.004	1.001	480334	6.46		101	10704	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.004	7.008	-0.004	1.030	4148326	6.97	Target=4.59	109	58121	
663.00 > 169.00	6.995	7.008	-0.013	1.029	932507		4.45(2.29-6.88)		52610	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.183	7.189	-0.006	1.000	4383562	7.25	Target=5.25	113	16660	
713.00 > 169.00	7.183	7.189	-0.006	1.000	901119		4.86(2.62-7.87)		42769	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.183	7.193	-0.010	1.142	7169188	7.95		79.5	213823	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.478	7.487	-0.009	1.041	5279675	6.85	Target=8.75	107	17526	
813.00 > 169.00	7.468	7.487	-0.019	1.040	628313		8.40(4.38-13.13)		28753	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.710	7.719	-0.009	1.073	3113083	6.74	Target=8.07	105	64969	
913.00 > 169.00	7.702	7.719	-0.017	1.072	395590		7.87(4.04-12.11)		30334	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 16:32:12 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-45.d

Injection Date: 23-Jul-2021 02:10:43 Instrument ID: 30733

Lims ID: LCS 410-150688/2-A

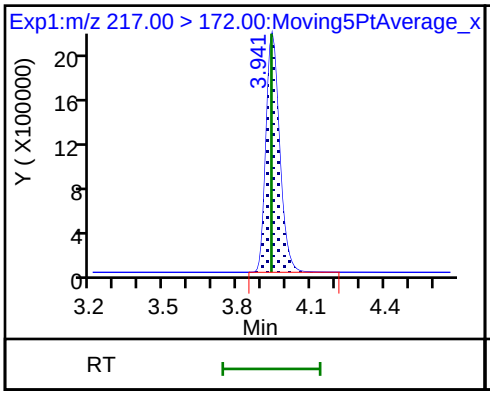
Client ID:

Operator ID: US19_USR_INS20260 ALS Bottle#: 15 Worklist Smp#: 117

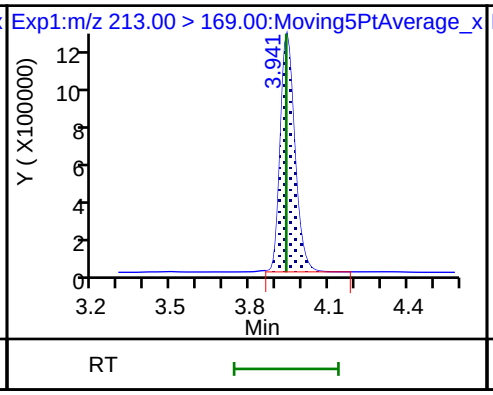
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

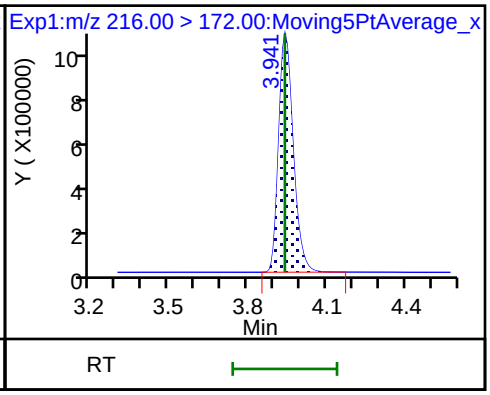
D 3 13C4 PFBA



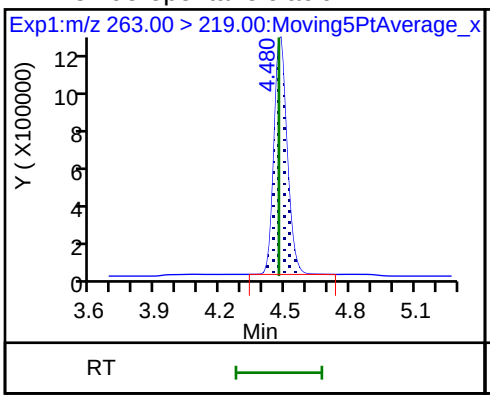
2 Perfluorobutanoic acid



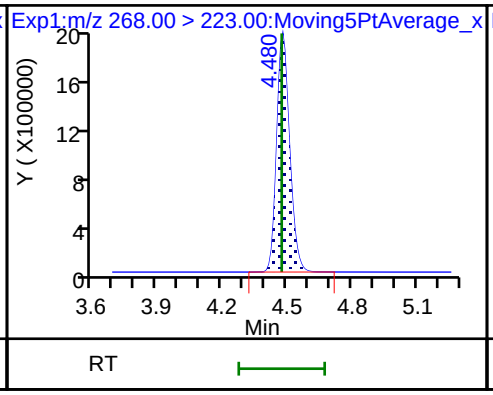
* 4 13C3-PFBA



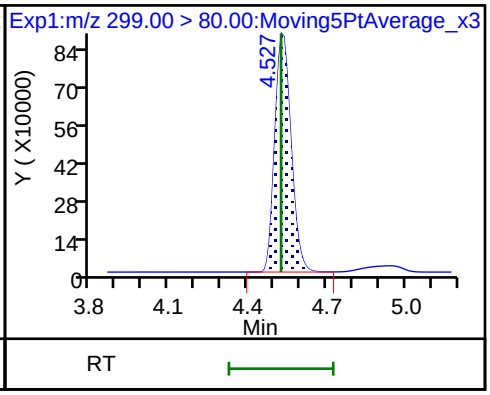
7 Perfluoropentanoic acid



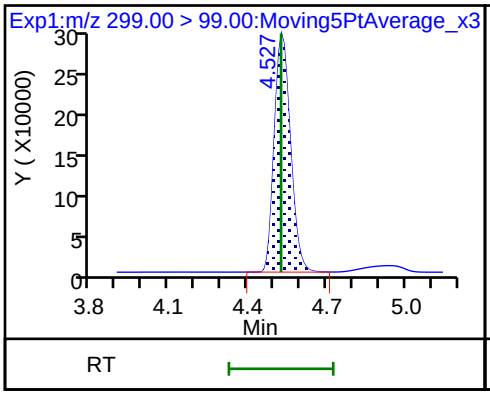
D 8 13C5 PFPeA



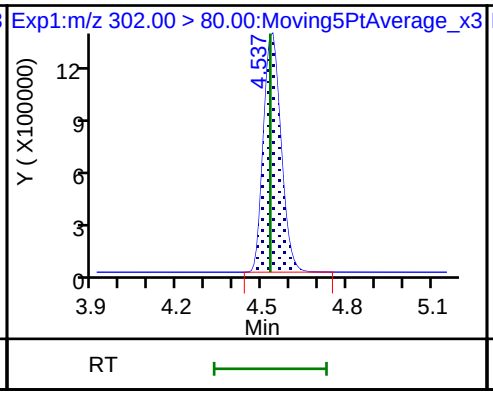
10 Perfluorobutanesulfonic acid



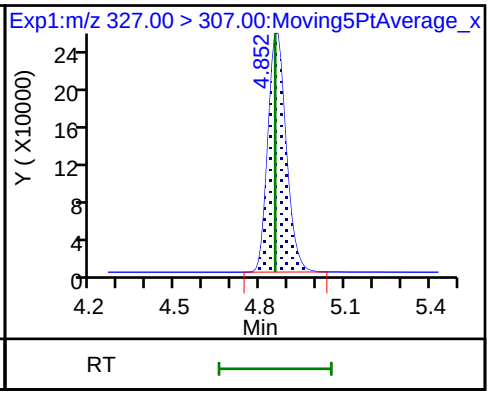
10 Perfluorobutanesulfonic acid



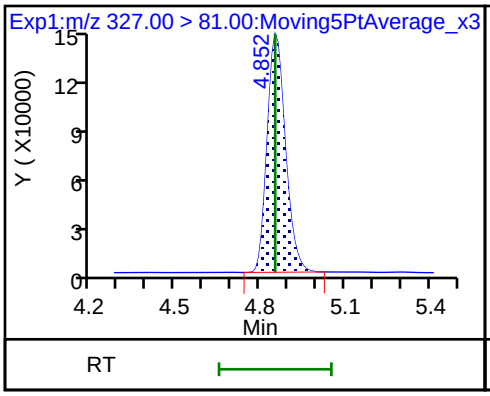
D 11 13C3 PFBS



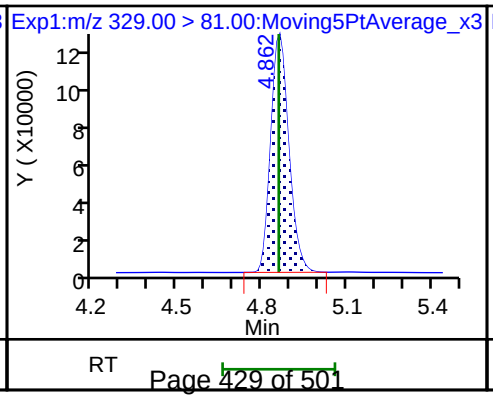
15 4:2 FTS



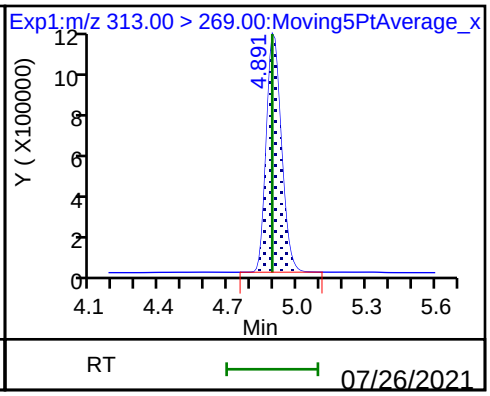
15 4:2 FTS



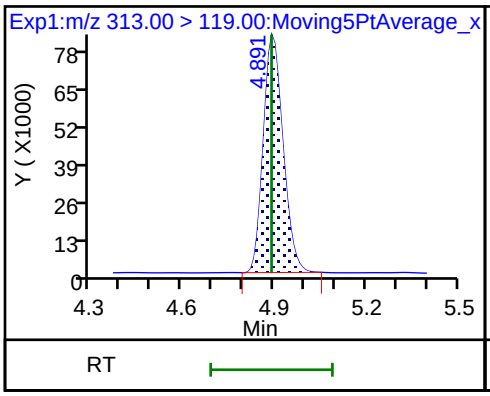
D 16 M2-4:2 FTS



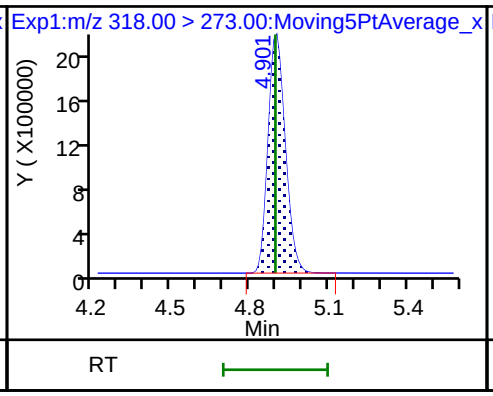
17 Perfluorohexanoic acid



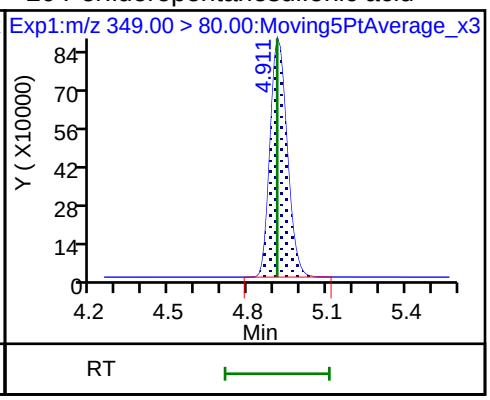
17 Perfluorohexanoic acid



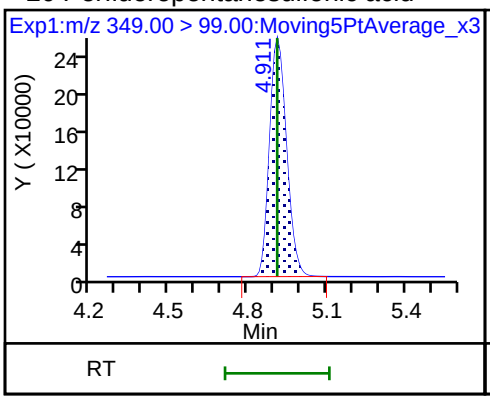
D 19 13C5 PFHxA



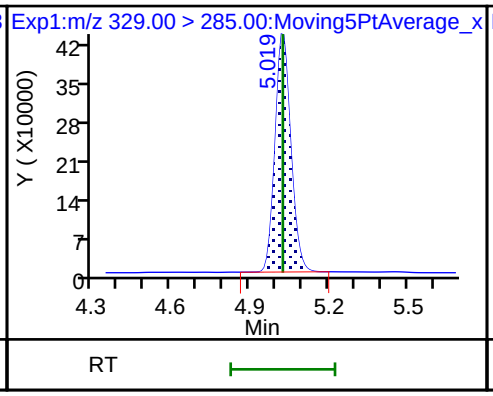
20 Perfluoropentanesulfonic acid



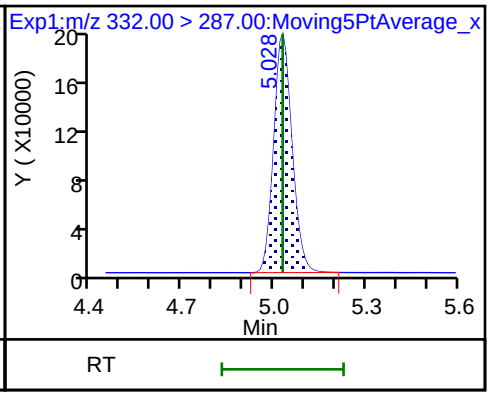
20 Perfluoropentanesulfonic acid



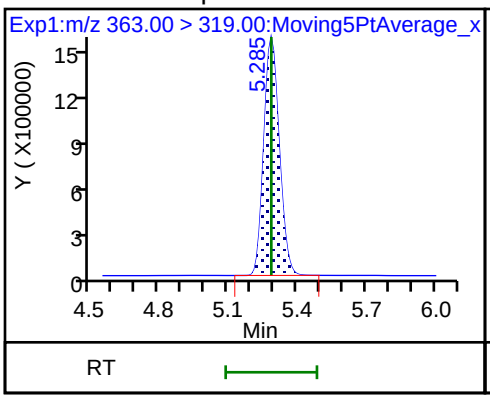
21 HFPO-DA



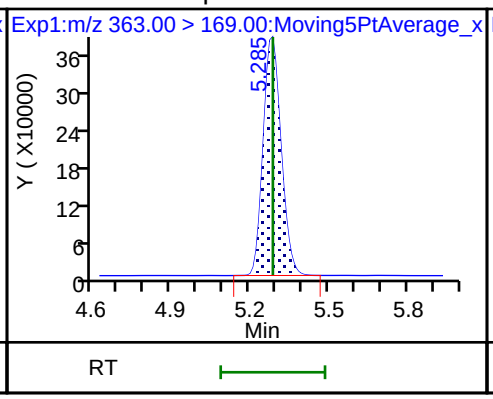
D 22 13C3 HFPO-DA



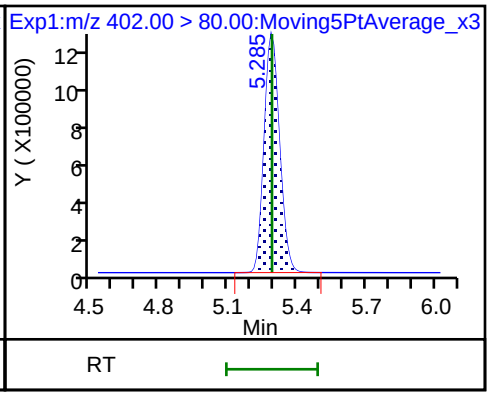
23 Perfluoroheptanoic acid



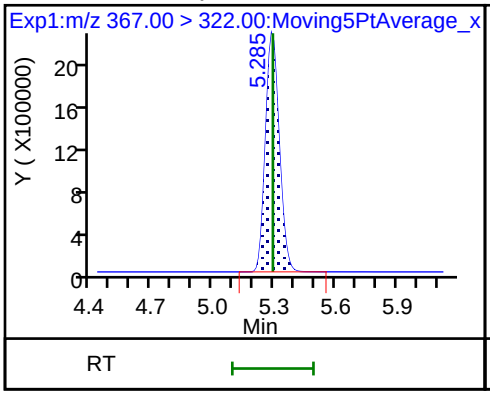
23 Perfluoroheptanoic acid



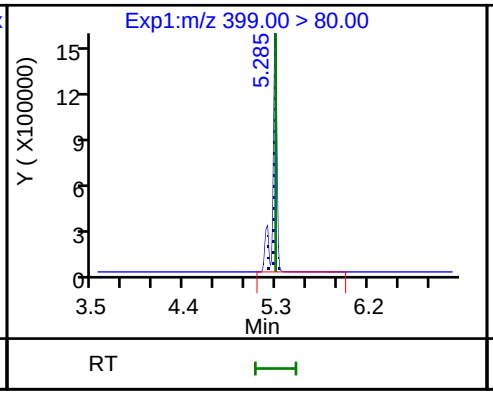
D 25 13C3 PFHxS



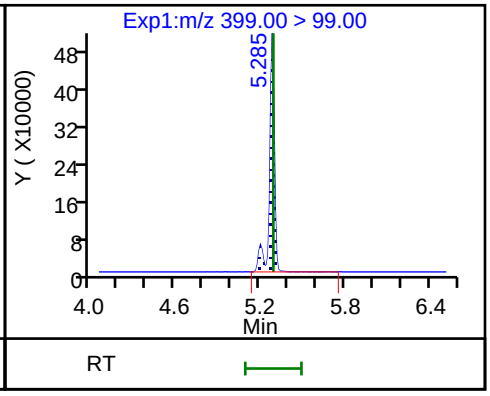
D 24 13C4 PFHpA



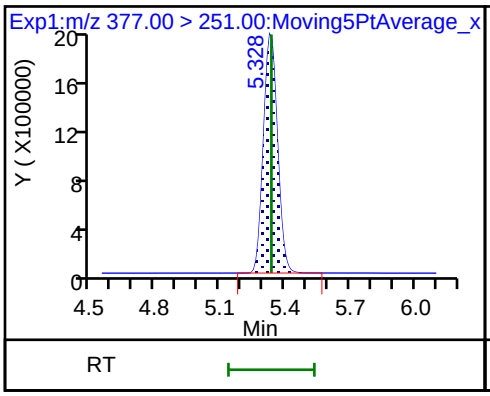
26 Perfluorohexanesulfonic acid



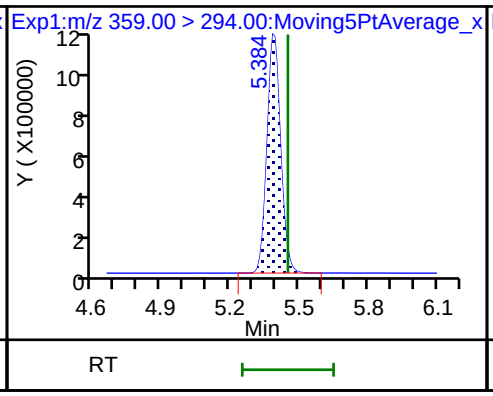
26 Perfluorohexanesulfonic acid



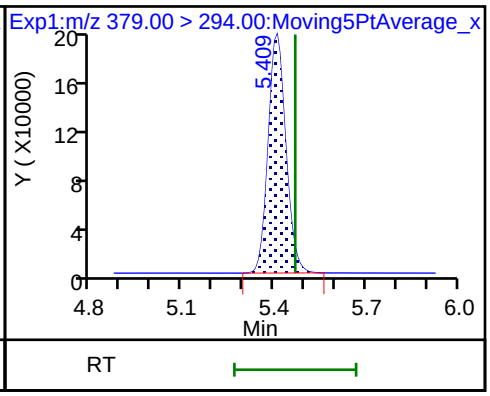
27 DONA



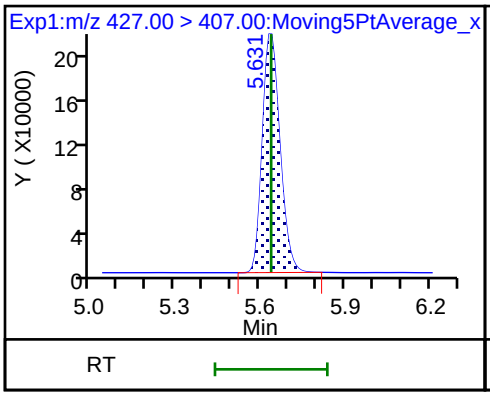
D 30 13C-6:2 FTUCA



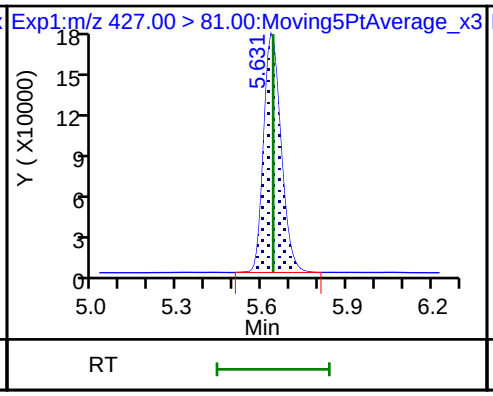
D 31 13C-6:2 FTCA



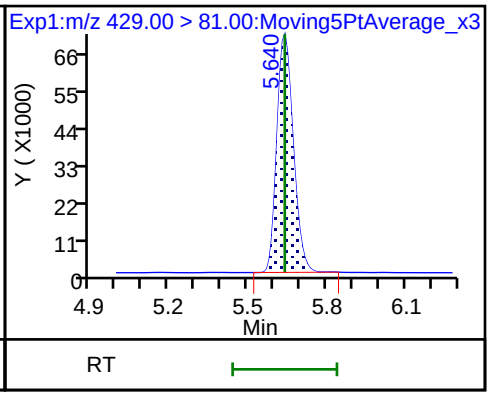
34 6:2 FTS



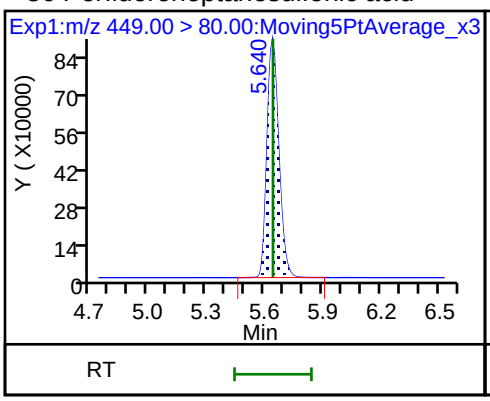
34 6:2 FTS



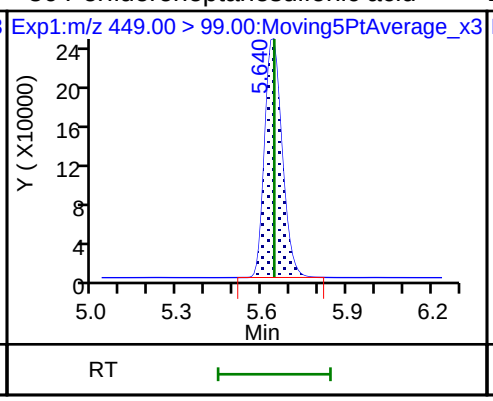
D 35 M2-6:2 FTS



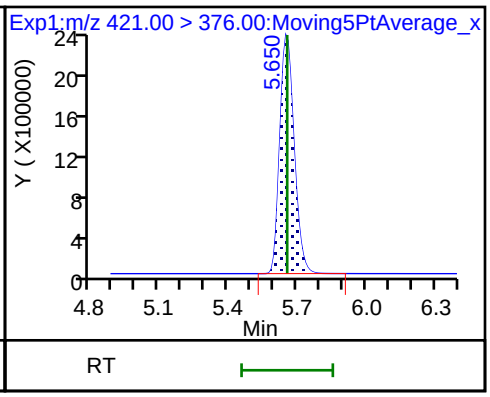
36 Perfluoroheptanesulfonic acid



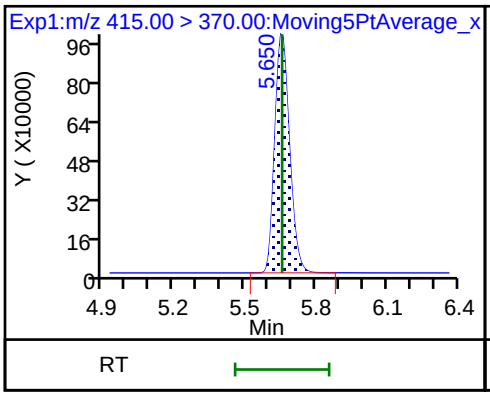
36 Perfluoroheptanesulfonic acid



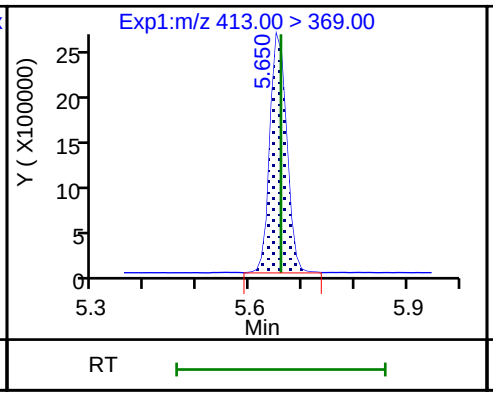
D 37 13C8 PFOA



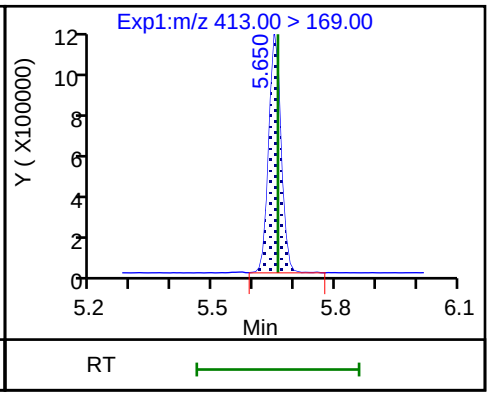
* 38 13C2 PFOA



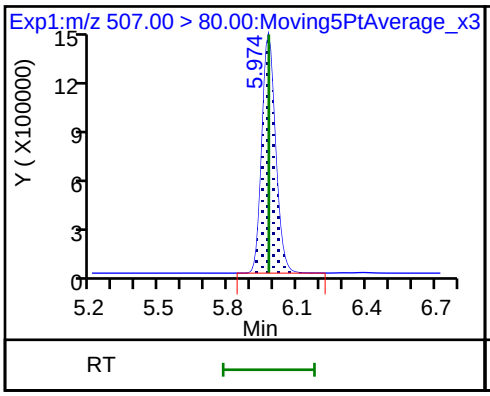
40 Perfluorooctanoic acid



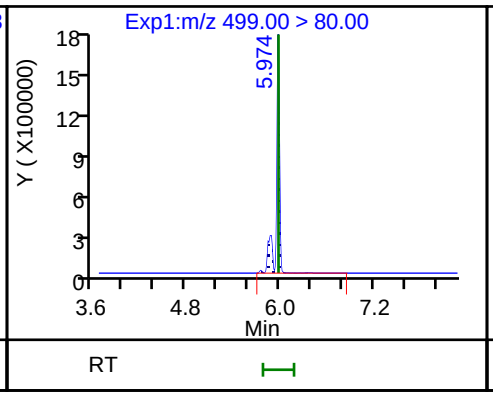
40 Perfluorooctanoic acid



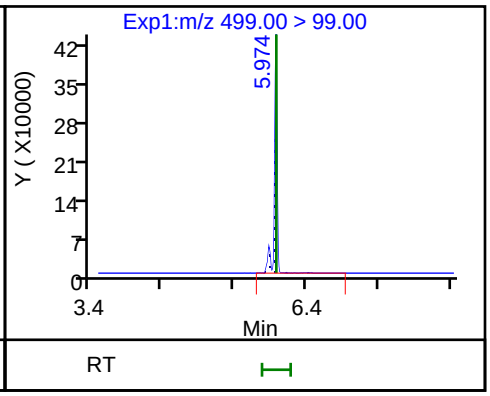
D 41 13C8 PFOS



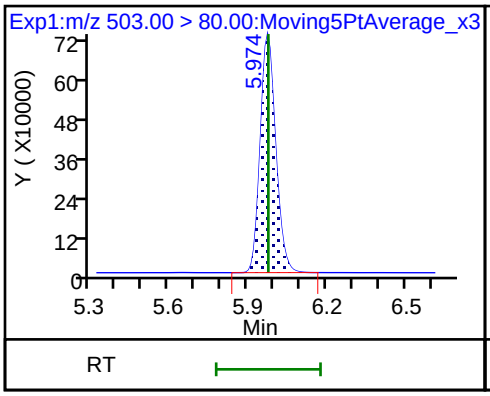
43 Perfluorooctanesulfonic acid



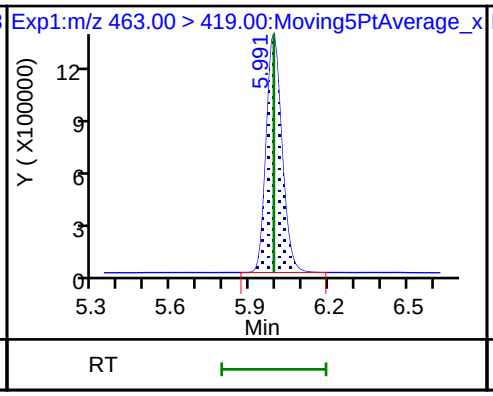
43 Perfluorooctanesulfonic acid



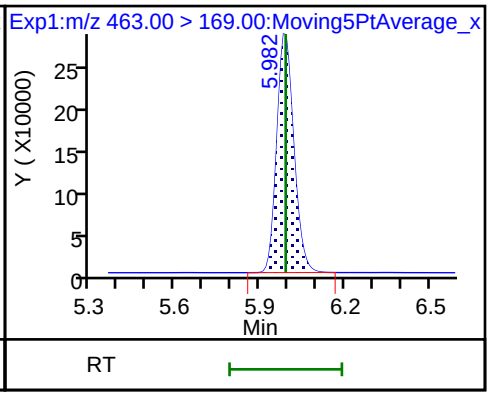
* 42 13C4 PFOS



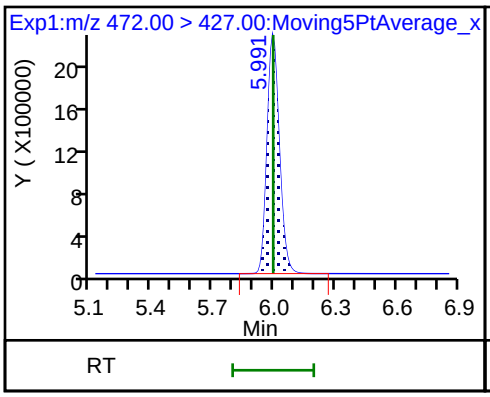
44 Perfluorononanoic acid



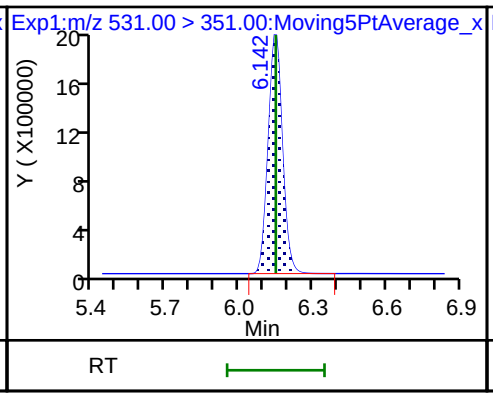
44 Perfluorononanoic acid



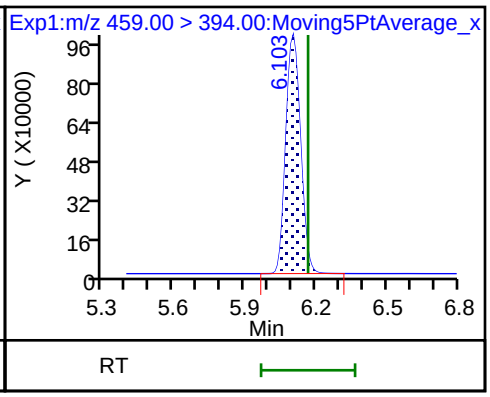
D 45 13C9 PFNA



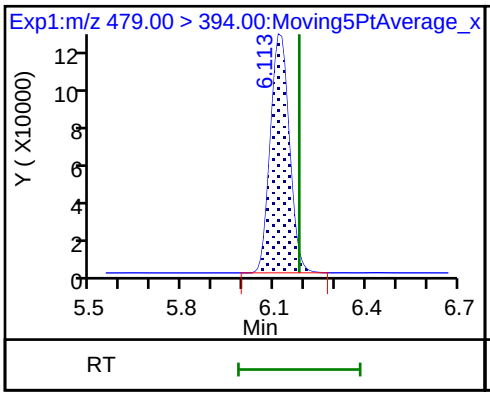
51 9ClFOS



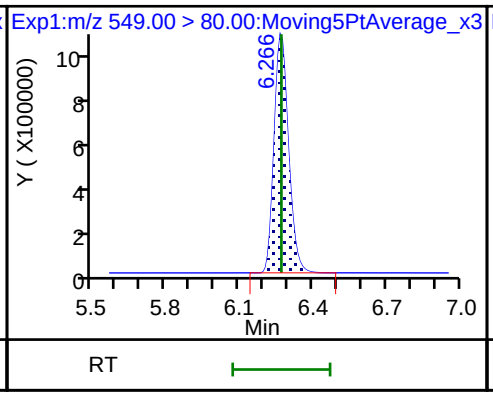
D 48 13C-8:2 FTUCA



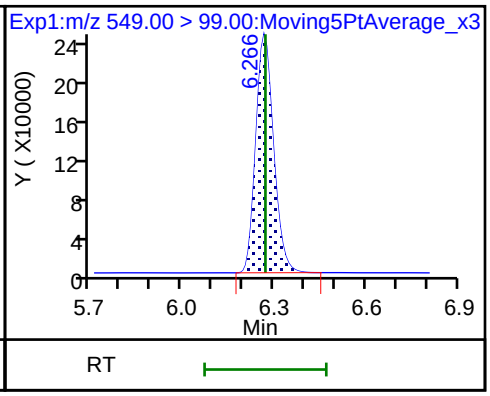
D 50 13C-8:2 FTCA



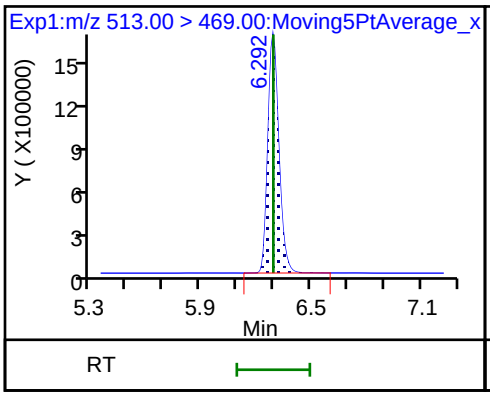
52 Perfluorononanesulfonic acid



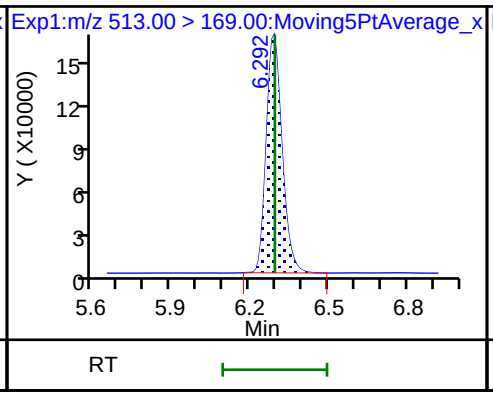
52 Perfluorononanesulfonic acid



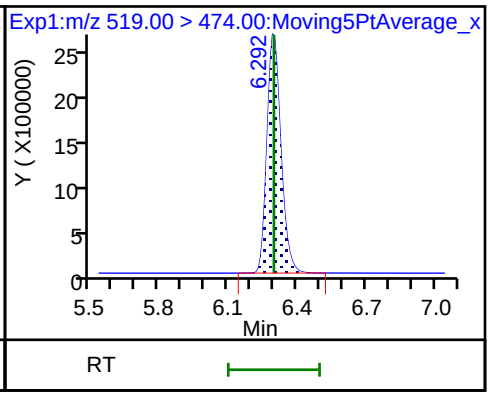
53 Perfluorodecanoic acid



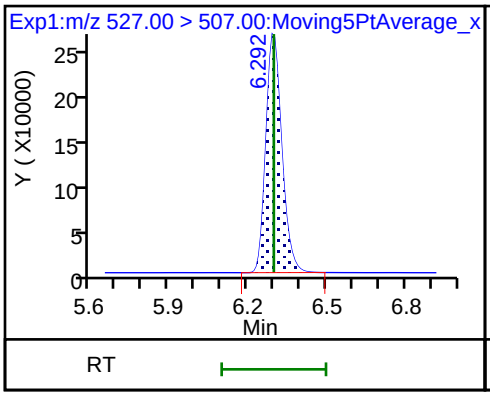
53 Perfluorodecanoic acid



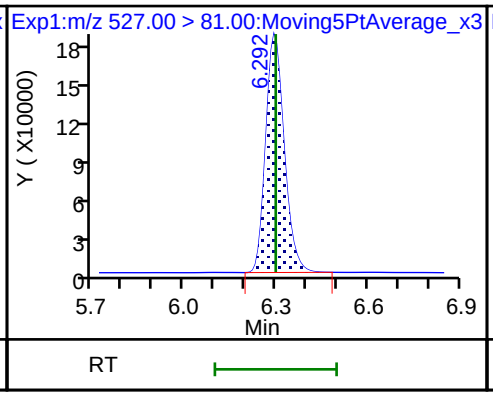
D 54 13C6 PFDA



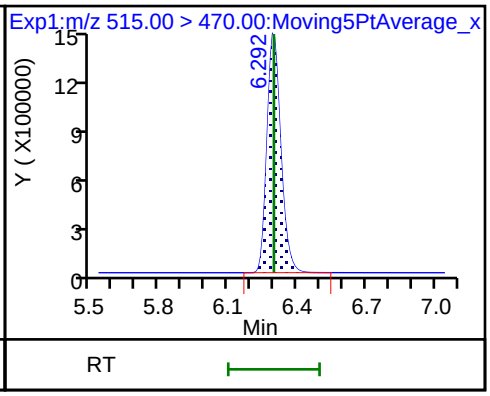
56 8:2 FTS



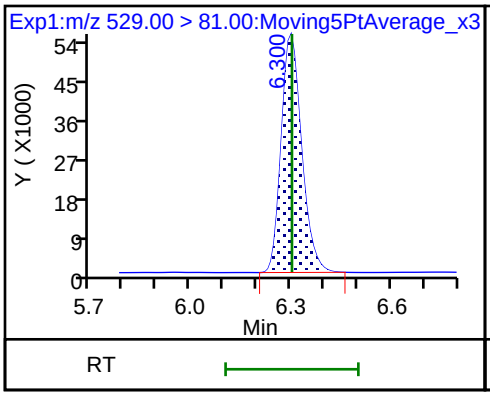
56 8:2 FTS



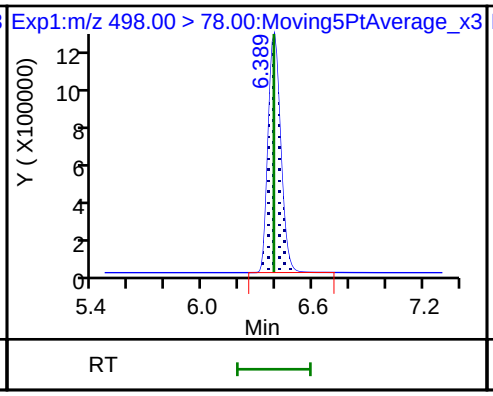
* 55 13C2 PFDA



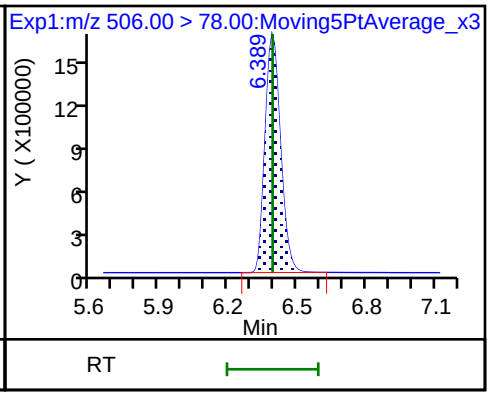
D 57 M2-8:2 FTS



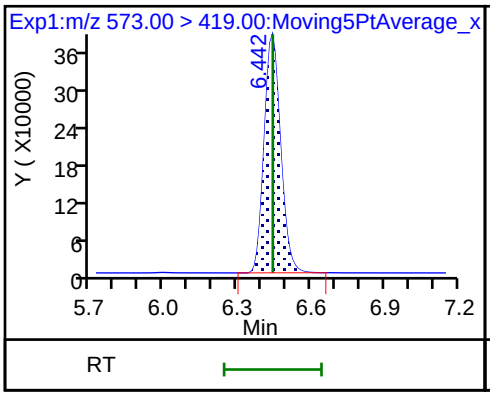
58 Perfluorooctanesulfonamide



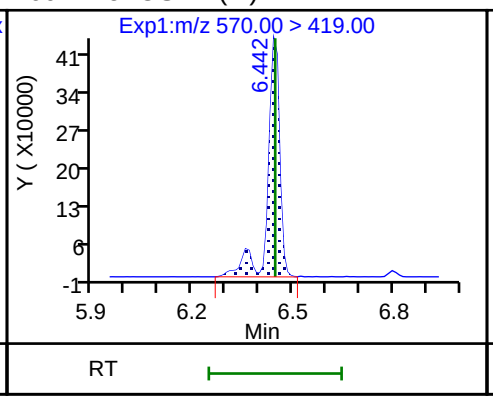
D 59 13C8 FOSA



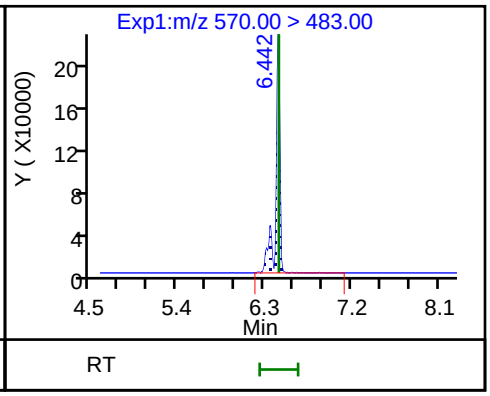
D 61 d3-NMeFOSAA



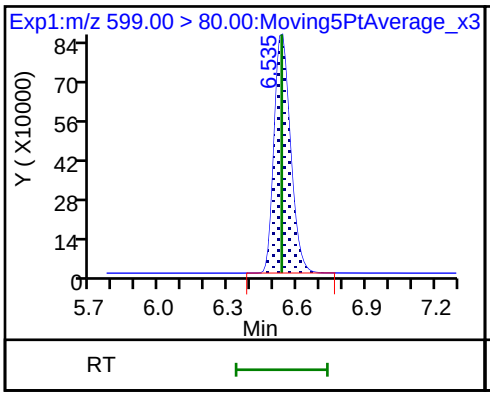
60 NMeFOSAA (M)



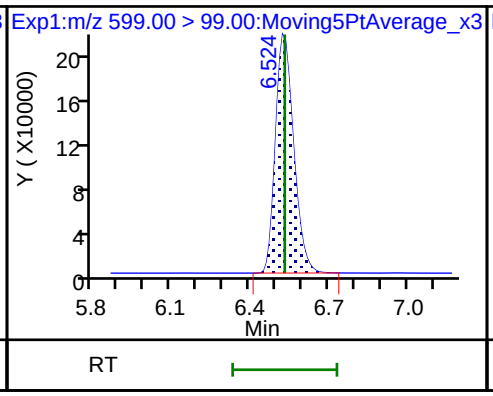
60 NMeFOSAA



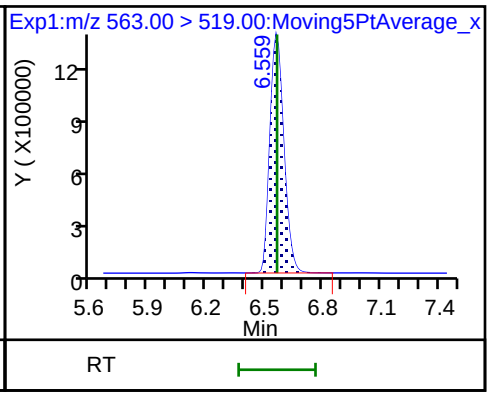
62 Perfluorodecanesulfonic acid



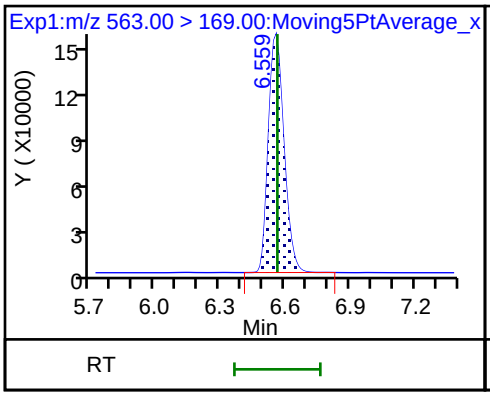
62 Perfluorodecanesulfonic acid



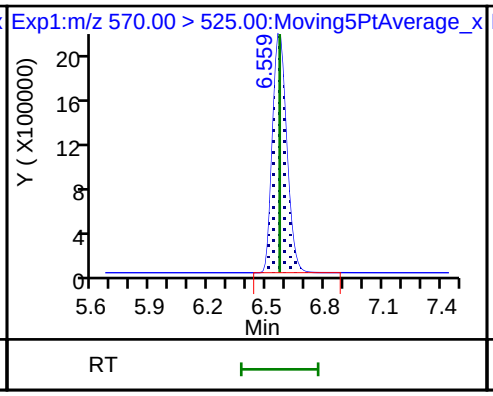
63 Perfluoroundecanoic acid



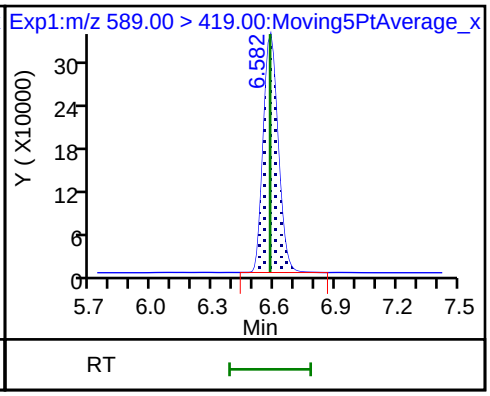
63 Perfluoroundecanoic acid



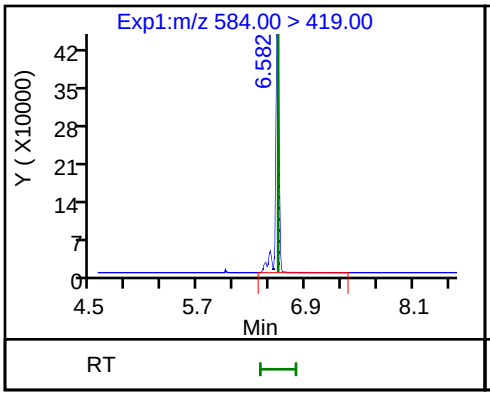
D 65 13C7 PFUnA



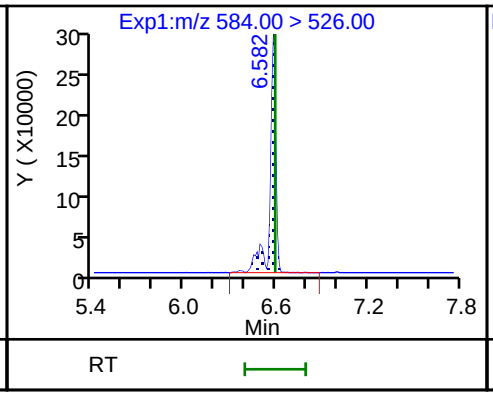
D 66 d5-NEtFOSAA



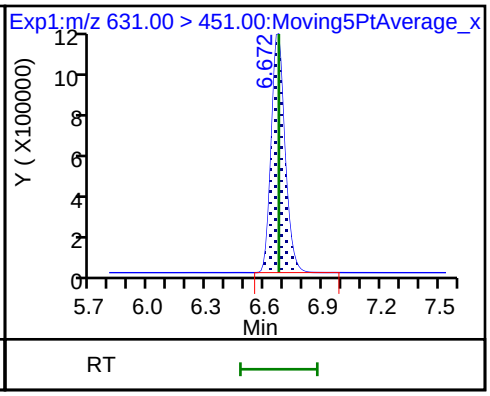
67 NEtFOSAA



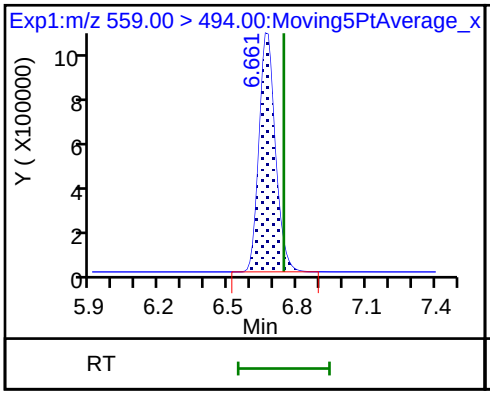
67 NEtFOSAA



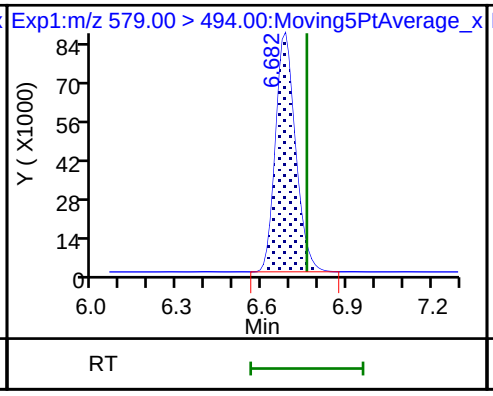
69 11ClFOS



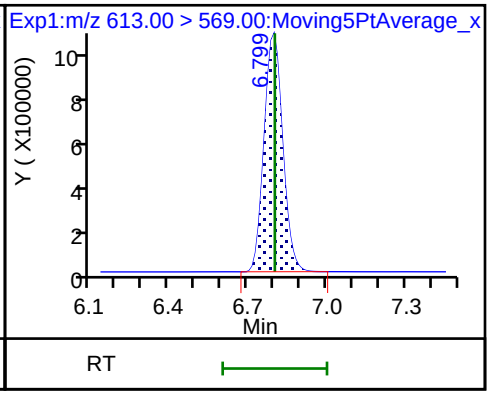
D 70 13C-10:2 FTUCA



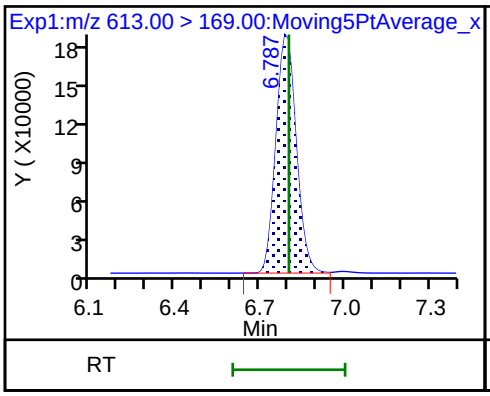
D 72 13C-10:2 FTCA



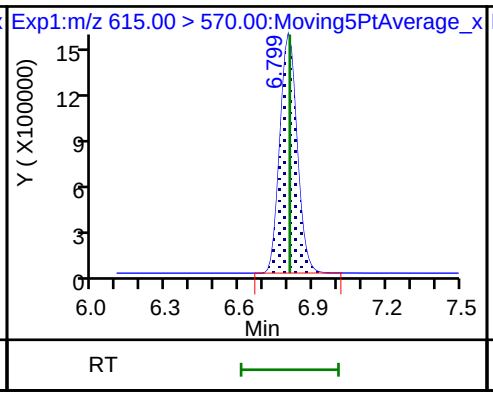
73 Perfluorododecanoic acid



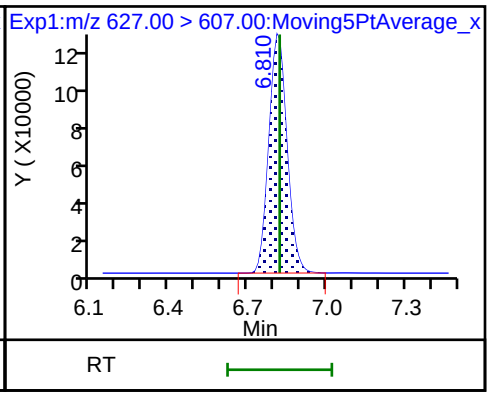
73 Perfluorododecanoic acid



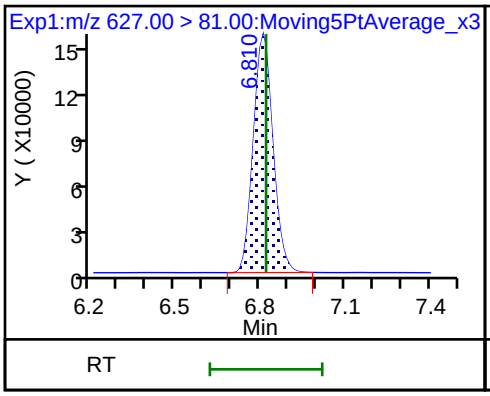
D 74 13C2-PFDoDA



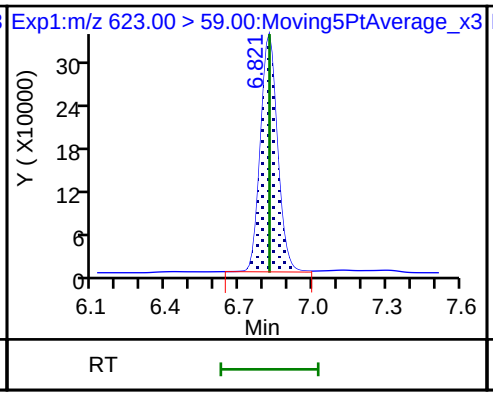
75 10:2 FTS



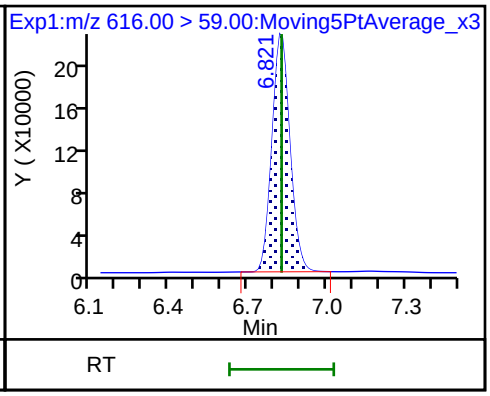
75 10:2 FTS



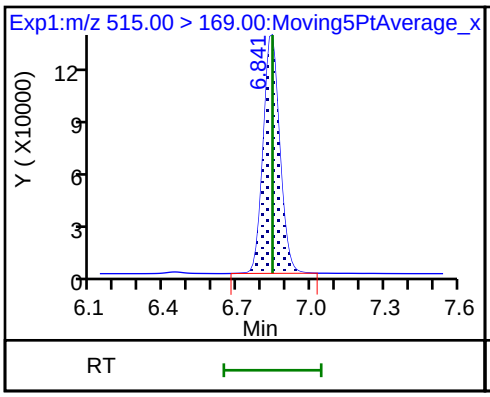
D 76 d7-N-MeFOSE-M



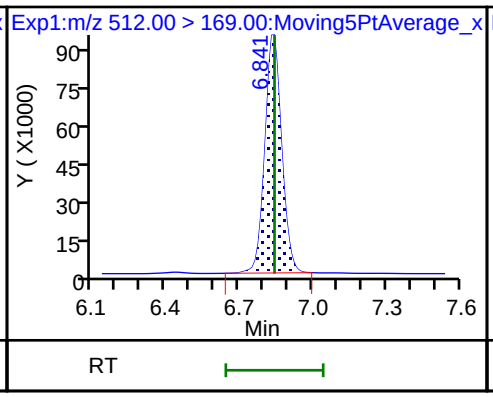
77 N-MeFOSE-M



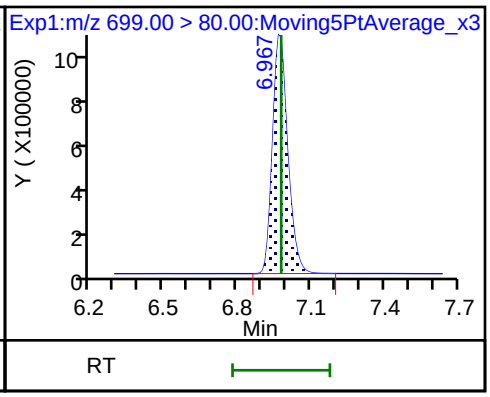
D 79 d3-NMePFOSA



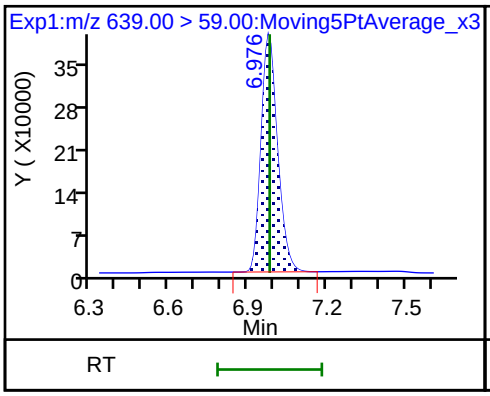
78 NMeFOSA



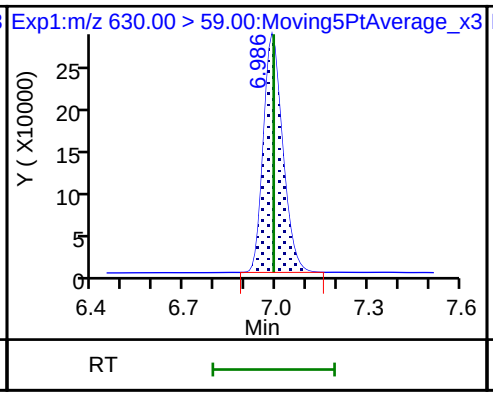
80 PFDoS



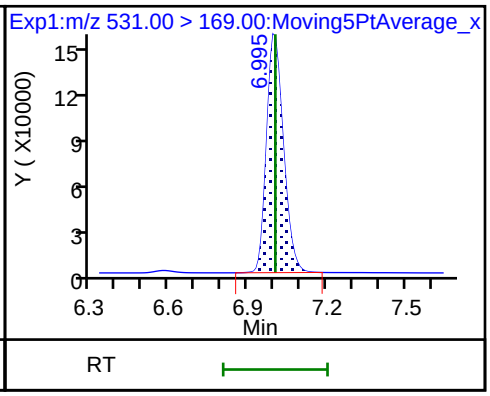
D 81 d9-N-EtFOSE-M



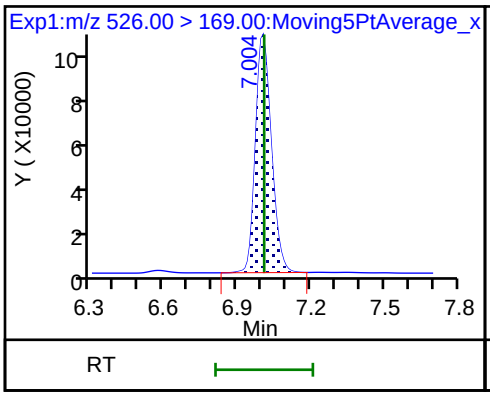
82 N-EtFOSE-M



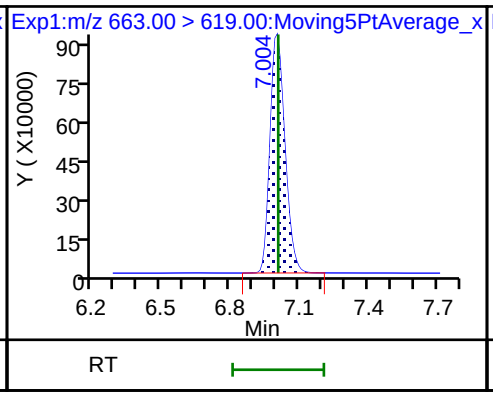
D 83 d5-NEtPFOSA



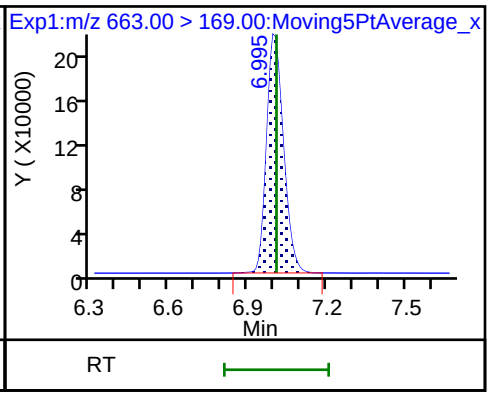
84 N-EtFOSA-M



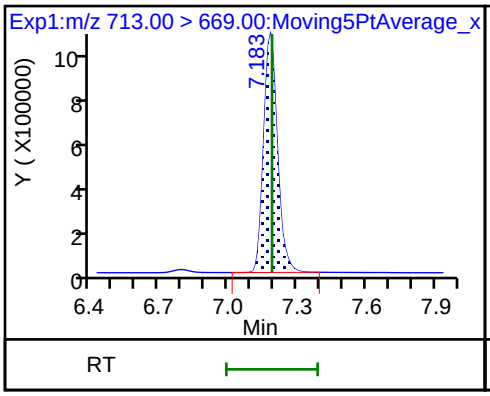
85 Perfluorotridecanoic acid



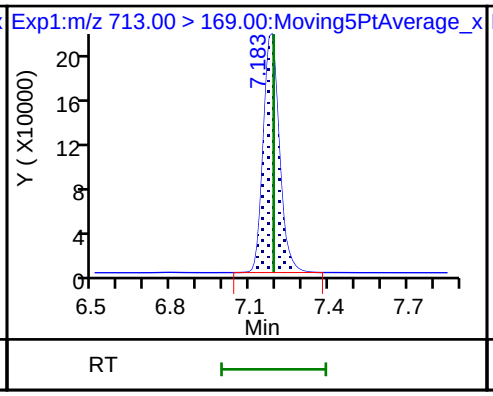
85 Perfluorotridecanoic acid



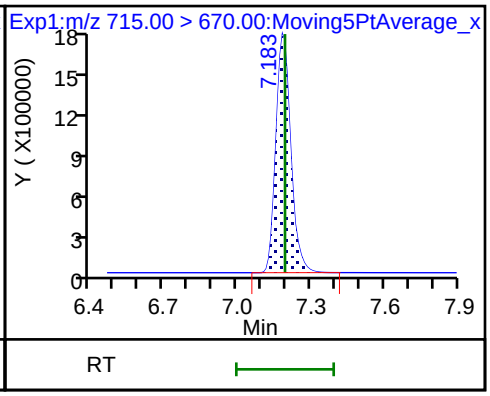
86 Perfluorotetradecanoic acid



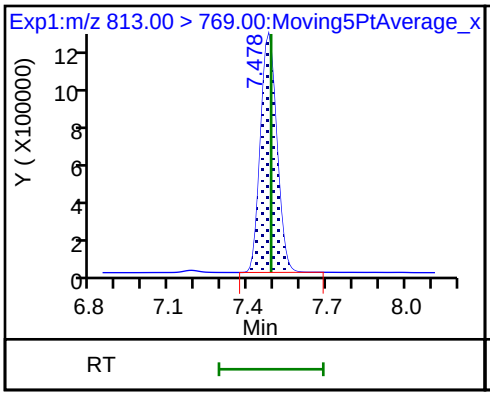
86 Perfluorotetradecanoic acid



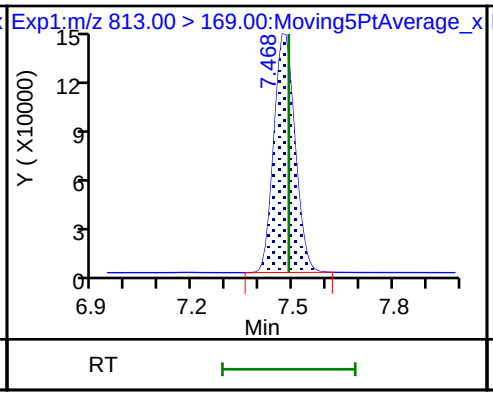
D 87 13C2 PFTeDA



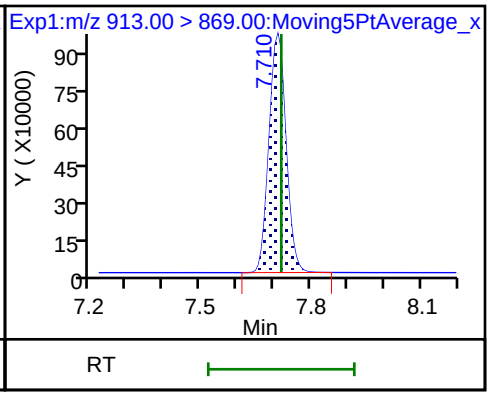
88 Perfluorohexadecanoic acid



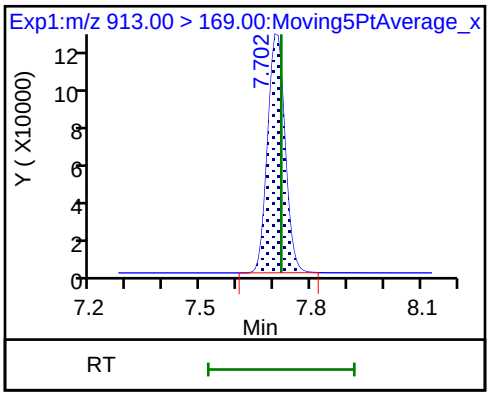
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Env, LLC

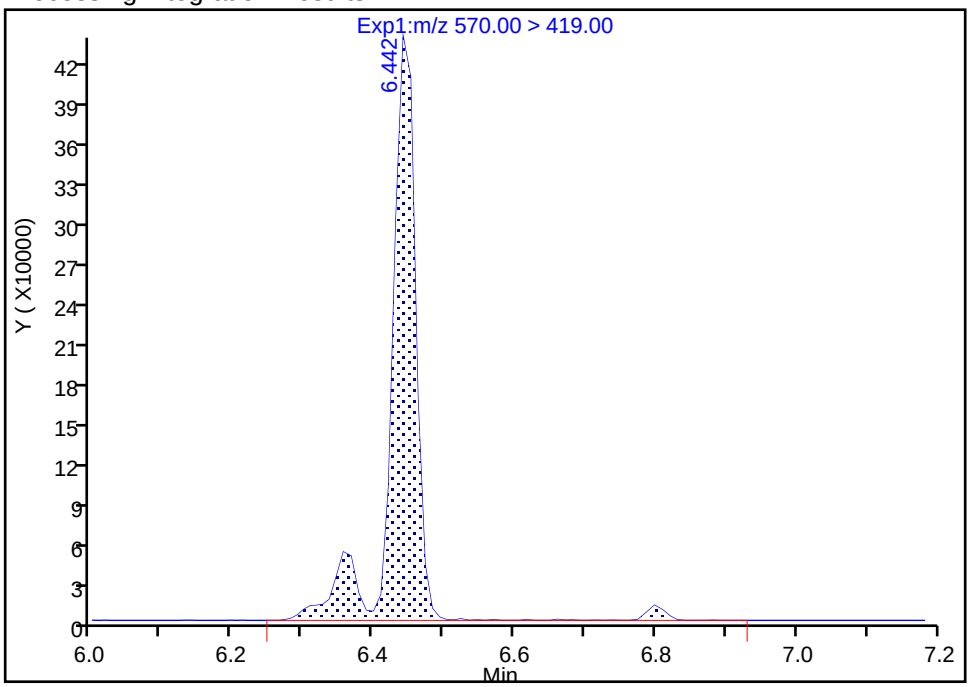
Data File:	\\chromfs\Lancaster\ChromData\30733\20210722-35007.b\21JUL22-45.d				
Injection Date:	23-Jul-2021 02:10:43	Instrument ID:	30733		
Lims ID:	LCS 410-150688/2-A				
Client ID:					
Operator ID:	US19_USR_INS20260	ALS Bottle#:	15	Worklist Smp#:	117
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

60 NMeFOSAA, CAS: 2355-31-9

Signal: 1

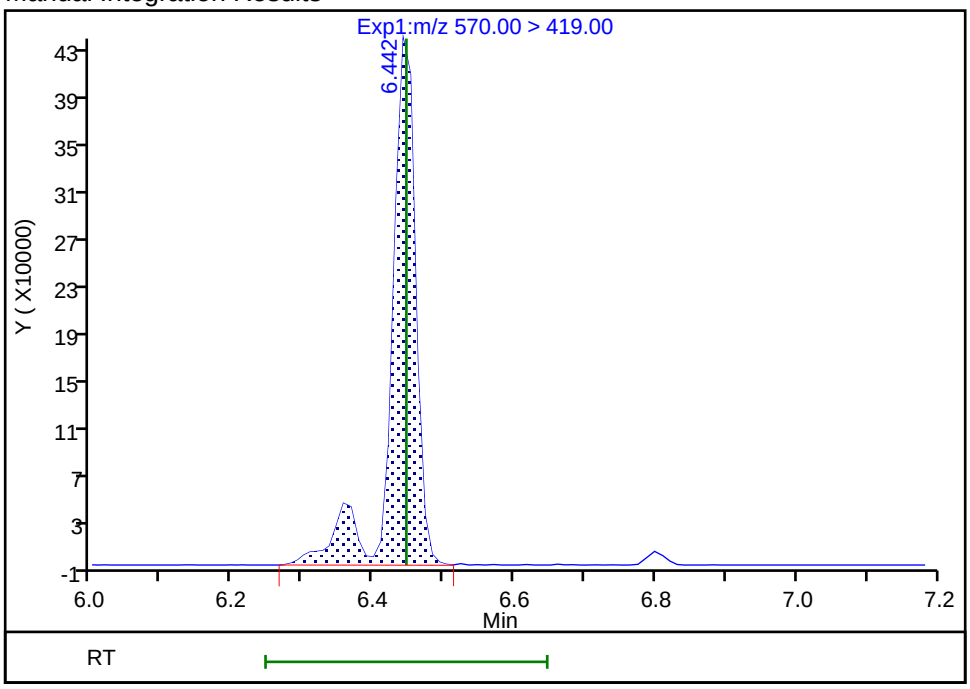
Processing Integration Results

RT: 6.44
Area: 1091076
Amount: 6.872111
Amount Units: ng/ml



Manual Integration Results

RT: 6.44
Area: 1069604
Amount: 6.736871
Amount Units: ng/ml



Reviewer: kruelleh, 23-Jul-2021 09:08:20
Audit Action: Manually Integrated Audit Reason: Isomers

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-6 MS Lab Sample ID: 460-239002-4 MS

Matrix: Water Lab File ID: 21JUL21-28.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 09:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 279.1(mL) Date Analyzed: 07/22/2021 05:37

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	65.95		1.79	0.45
375-85-9	Perfluoroheptanoic acid	41.80		1.79	0.45
335-67-1	Perfluorooctanoic acid	64.38		1.79	0.45
375-95-1	Perfluorononanoic acid	34.62		1.79	0.45
335-76-2	Perfluorodecanoic acid	25.85		1.79	0.45
72629-94-8	Perfluorotridecanoic acid	24.31		1.79	0.45
376-06-7	Perfluorotetradecanoic acid	26.04		1.79	0.45
375-73-5	Perfluorobutanesulfonic acid	28.36		1.79	0.45
355-46-4	Perfluorohexanesulfonic acid	30.35		1.79	0.45
1763-23-1	Perfluorooctanesulfonic acid	45.69		1.79	0.45
2991-50-6	NEtFOSAA	24.43		2.69	0.45
2355-31-9	NMeFOSAA	25.92		1.79	0.54
375-92-8	Perfluoroheptanesulfonic acid	25.52		1.79	0.45
335-77-3	Perfluorodecanesulfonic acid	21.32		1.79	0.45
754-91-6	Perfluorooctanesulfonamide	25.84		1.79	0.45
375-22-4	Perfluorobutanoic acid	38.79		4.48	1.79
2058-94-8	Perfluoroundecanoic acid	25.60		1.79	0.45
307-55-1	Perfluorododecanoic acid	26.11		1.79	0.45
27619-97-2	6:2 Fluorotelomer sulfonic acid	21.21		4.48	1.79
39108-34-4	8:2 Fluorotelomer sulfonic acid	23.40		2.69	0.90
2706-90-3	Perfluoropentanoic acid	70.52		1.79	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-6 MS Lab Sample ID: 460-239002-4 MS

Matrix: Water Lab File ID: 21JUL21-28.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 09:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 279.1(mL) Date Analyzed: 07/22/2021 05:37

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	112		34-182
STL02279	M2-6:2 FTS	115		29-189
STL02577	13C5 PFHxA	74		31-142
STL01892	13C4 PFHpA	80		30-144
STL01052	13C8 PFOA	75		49-127
STL02578	13C9 PFNA	88		47-136
STL02579	13C6 PFDA	89		47-128
STL02580	13C7 PFUnA	95		40-135
STL02703	13C2-PFDoDA	81		28-136
STL02116	13C2 PFTeDA	72		10-144
STL02337	13C3 PFBS	93		19-178
STL02581	13C3 PFHxS	73		32-145
STL01054	13C8 PFOS	86		49-126
STL02118	d3-NMeFOSAA	71		32-151
STL02117	d5-NEtFOSAA	94		37-164
STL01056	13C8 FOSA	70		10-143
STL00992	13C4 PFBA	82		41-132
STL01893	13C5 PFPeA	94		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-28.d
Lims ID: 460-239002-A-4-B MS
Client ID: MW-6
Sample Type: MS
Inject. Date: 22-Jul-2021 05:37:38 ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-4-B MS
Misc. Info.: Plate: 1 Rack: 1 410-0034909-028
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 17:18:28 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 17:10:42
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
107 MTP										
175.00 > 97.00		1.489				ND				
1 PPF Acid										
163.00 > 119.00	1.854	1.822	0.032	0.472	722192	NC		0.0	3070	
96 PFMOAA										
179.00 > 85.00	2.963	2.913	0.050	0.754	8939	NC		0.0	23.0	
D 3 13C4 PFBA										
217.00 > 172.00	3.931	3.924	0.007	1.000	5577335	8.16		81.6	164616	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.931	3.924	0.007	1.000	5206896	10.8		169	7693	
* 4 13C3-PFBA										
216.00 > 172.00	3.931	3.924	0.007		3041747	5.00			15558	
99 R-EVE										
405.00 > 217.00		3.967				ND				
100 R-PSDA										
441.00 > 241.00		3.967				ND				
105 Hydrolyzed PSDA										
439.00 > 343.00		3.980				ND				
102 PMPA										
229.00 > 185.00	4.058	4.098	-0.040	1.032	19229	NC		0.0	29.9	
5 PFPrS										
249.00 > 99.00	4.118	4.164	-0.046	1.048	7248	NC		0.0	147	
103 NVHOS										
297.00 > 135.00		4.201				ND				
6 PFECA F										
229.00 > 85.00	4.170	4.220	-0.050	1.061	7286	NC		0.0	857	
92 PFO2HxA										
245.00 > 85.00		4.408				ND				

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
7 Perfluoropentanoic acid										
263.00 > 219.00	4.468	4.452	0.016	1.000	11010155	19.7		308	5635	
D 8 13C5 PFPeA										
268.00 > 223.00	4.468	4.461	0.008	1.137	5922349	9.37		93.7	96664	
10 Perfluorobutanesulfonic acid										M
299.00 > 80.00	4.514	4.506	0.008	0.998	4043190	7.91	Target=3.13	140	1699	M
299.00 > 99.00	4.514	4.506	0.008	0.998	1288058		3.14(1.57-4.70)		3664	
D 11 13C3 PFBS										
302.00 > 80.00	4.524	4.515	0.009	1.151	4617383	8.69		93.4	9170	
9 3:3 FTCA										
241.00 > 177.00		4.528				ND				
91 PEPA										
279.00 > 235.00	4.662	4.634	0.028	1.186	94285	NC		0.0	10.0	
12 PFECA A										
279.00 > 85.00		4.660				ND				
13 PES										
315.00 > 135.00		4.753				ND				
15 4:2 FTS										
327.00 > 307.00	4.850	4.832	0.018	1.000	1266675	5.99	Target=1.61	100	47894	
327.00 > 81.00	4.850	4.832	0.018	1.000	747539		1.69(0.81-2.42)		1963	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.850	4.842	0.008	0.859	588961	11.8		126	2355	
17 Perfluorohexanoic acid										M
313.00 > 269.00	4.889	4.871	0.018	1.000	10584200	18.4	Target=14.88	288	4389	M
313.00 > 119.00	4.879	4.871	0.008	0.998	712558		14.85(7.44-22.32)		9939	
D 19 13C5 PFHxA										
318.00 > 273.00	4.889	4.881	0.008	0.865	7618418	7.44		74.4	122608	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.889	4.881	0.008	0.865	9562	0.0120			401	
14 PFECA B										
201.00 > 85.00		4.882				ND				
295.00 > 201.00		4.882								
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.909	4.890	0.018	1.085	3548187	7.48	Target=3.52	125	6250	
349.00 > 99.00	4.898	4.890	0.008	1.083	985078		3.60(1.76-5.28)		10002	
93 PFO3OA										
311.00 > 85.00		5.008				ND				
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.017	5.010	0.007	0.888	731567	7.75		77.5	29487	
21 HFPO-DA										
329.00 > 285.00	5.017	5.010	0.007	1.000	1511368	6.61		103	2148	
D 25 13C3 PFHxS										
402.00 > 80.00	5.284	5.274	0.010	0.935	4971478	6.89		72.8	33226	
D 24 13C4 PFHpA										
367.00 > 322.00	5.284	5.274	0.010	0.935	8357066	7.96		79.6	177992	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.284	5.274	0.010	1.000	10067014	11.7	Target=3.85	182	9098	
363.00 > 169.00	5.274	5.274	0.0	0.998	2478685		4.06(1.93-5.78)		47660	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.284	5.274	0.010	1.000	4366950	8.47	Target=3.51	145	119942	
399.00 > 99.00	5.284	5.274	0.010	1.000	1168891		3.74(1.75-5.26)		241650	
97 Hydro-EVE Acid										
427.00 > 283.00		5.302				ND				
94 R-PSDCA										
397.00 > 217.00		5.305				ND				
27 DONA										
377.00 > 251.00	5.327	5.317	0.010	1.008	7325698	6.56		108	62597	
106 Hydro-PS Acid										
463.00 > 263.00	5.252	5.320	-0.068	1.161	7968	NC		0.0	277	
98 PFECA G										
379.00 > 185.00		5.410				ND				
28 5:3 FTCA										
341.00 > 237.00		5.428				ND				
339.00 > 295.00		5.428								
29 6:2 FTUCA										
357.00 > 293.00	5.375	5.447	-0.072	0.998	4131	NC		0.0	21.6	
D 30 13C-6:2 FTUCA										
359.00 > 294.00	5.383	5.450	-0.067	0.953	3996906	NC		0.0	140818	
32 6:2 FTCA										
377.00 > 293.00		5.467				ND				
D 31 13C-6:2 FTCA										
379.00 > 294.00	5.400	5.468	-0.068	0.956	662623	NC		0.0	16577	
95 PFO4DA										
377.00 > 85.00	5.511	5.523	-0.012	1.402	2474	NC		0.0	1.1	
104 PS Acid										
443.00 > 147.00		5.565				ND				
90 EVE Acid										
407.00 > 263.00		5.583				ND				
D 35 M2-6:2 FTS										
429.00 > 81.00	5.630	5.621	0.009	0.997	303579	10.9		115	5837	
34 6:2 FTS										
427.00 > 407.00	5.630	5.621	0.009	1.000	891020	5.92	Target=1.43	97.6	34991	
427.00 > 81.00	5.630	5.621	0.009	1.000	676125		1.32(0.72-2.15)		5532	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.639	5.630	0.009	1.067	3339504	7.12	Target=3.86	117	12758	
449.00 > 99.00	5.630	5.630	0.0	1.065	894312		3.73(1.93-5.79)		23534	
D 37 13C8 PFOA										
421.00 > 376.00	5.649	5.640	0.009	1.000	8554119	7.51		75.1	198493	
$ 39 13C4 PFOA										
417.00 > 372.00	5.649	5.640	0.009	1.000	102113	0.0971			5921	
* 38 13C2 PFOA										
415.00 > 370.00	5.649	5.640	0.009		4169216	5.00			160932	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.649	5.649	0.0	1.000	11486359	18.0	Target=2.48	281	199920	M
413.00 > 169.00	5.649	5.649	0.0	1.000	4693182		2.45(1.24-3.72)		233236	M
33 PFECHS										
461.00 > 381.00	5.595	5.659	-0.064	1.059	19127	NC	Target=2.22	0.0	179	
461.00 > 99.00	5.595	5.659	-0.064	1.059	10976		1.74(1.11-3.33)		211	
101 TAF										
443.00 > 85.00		5.957				ND				
D 41 13C8 PFOS										
507.00 > 80.00	5.971	5.963	0.008	1.000	5189471	8.18		85.6	29586	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.971	5.963	0.008	1.000	7565597	12.8	Target=4.45	215	367175	
499.00 > 99.00	5.971	5.963	0.008	1.000	1578550		4.79(2.23-6.68)		2462	
* 42 13C4 PFOS										
503.00 > 80.00	5.971	5.963	0.008		2935537	4.78			21138	
D 45 13C9 PFNA										
472.00 > 427.00	5.989	5.981	0.008	1.003	7712707	8.76		87.6	234767	
44 Perfluorononanoic acid										
463.00 > 419.00	5.989	5.981	0.008	1.000	6415739	9.66	Target=4.83	151	19925	
463.00 > 169.00	5.989	5.981	0.008	1.000	1408844		4.55(2.42-7.25)		57271	
51 9ClFOS										
531.00 > 351.00	6.147	6.139	0.008	1.029	6597134	6.23		105	139313	
46 7:3 FTCA										
441.00 > 337.00		6.158				ND				
47 8:2 FTUCA										
457.00 > 393.00		6.164				ND				
D 48 13C-8:2 FTUCA										
459.00 > 394.00	6.101	6.166	-0.065	0.969	3799918	NC		0.0	177543	
49 8:2 FTCA										
477.00 > 393.00		6.180				ND				
D 50 13C-8:2 FTCA										
479.00 > 394.00	6.121	6.182	-0.061	0.972	401877	NC		0.0	19000	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.272	6.263	0.009	1.050	3610727	6.63	Target=4.19	108	34543	
549.00 > 99.00	6.263	6.263	0.0	1.049	857276		4.21(2.09-6.28)		35122	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.289	6.280	0.009	0.999	6028715	7.22	Target=10.20	113	35096	
513.00 > 169.00	6.289	6.280	0.009	0.999	621044		9.71(5.10-15.29)		29908	
D 54 13C6 PFDA										
519.00 > 474.00	6.298	6.289	0.009	1.000	9572400	8.88		88.8	462169	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.298	6.289	0.009	1.000	198201	10.8		112	9491	
56 8:2 FTS										
527.00 > 507.00	6.298	6.289	0.009	1.000	949163	6.53	Target=1.44	107	45331	
527.00 > 81.00	6.289	6.289	0.0	0.999	663990		1.43(0.72-2.16)		14267	
* 55 13C2 PFDA										
515.00 > 470.00	6.298	6.289	0.009		5670061	5.00			228403	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 59 13C8 FOSA										
506.00 > 78.00	6.397	6.375	0.022	1.016	7510141	7.05		70.5	133276	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.386	6.375	0.011	0.998	5361159	7.21		113	127035	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.439	6.429	0.011	1.022	1390704	7.11		71.1	49570	
60 NMeFOSAA										
570.00 > 419.00	6.449	6.439	0.010	1.002	898639	7.23	Target=1.62	113	368369	
570.00 > 483.00	6.439	6.439	0.0	1.000	530749		1.69(0.81-2.44)		1363	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.532	6.521	0.011	1.094	3638929	5.95	Target=4.24	96.4	24799	
599.00 > 99.00	6.532	6.521	0.011	1.094	834561		4.36(2.12-6.36)		24740	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.567	6.544	0.023	1.000	5779386	7.15	Target=8.77	112	29448	
563.00 > 169.00	6.556	6.544	0.012	0.998	615007		9.40(4.39-13.16)		24500	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.567	6.556	0.011	1.163	11707	0.0121			781	
D 65 13C7 PFUnA										
570.00 > 525.00	6.567	6.556	0.011	1.043	9790717	9.54		95.4	280400	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.579	6.567	0.012	1.045	1424333	9.43		94.3	28351	
67 NEtFOSAA										
584.00 > 419.00	6.591	6.579	0.012	1.002	928256	6.82	Target=1.47	107	198423	
584.00 > 526.00	6.579	6.579	0.0	1.000	657308		1.41(0.74-2.21)		1456	
69 11ClFOS										
631.00 > 451.00	6.669	6.658	0.011	1.117	5341856	6.28		106	221785	
68 10:2 FTUCA										
557.00 > 493.00	6.669	6.738	-0.069	1.000	2695	NC		0.0	52.7	
D 70 13C-10:2 FTUCA										
559.00 > 494.00	6.669	6.741	-0.072	1.059	3943412	NC		0.0	203279	
71 10:2 FTCA										
577.00 > 493.00		6.753				ND				
D 72 13C-10:2 FTCA										
579.00 > 494.00	6.679	6.758	-0.079	1.061	362602	NC		0.0	18498	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.808	6.784	0.024	1.081	6338202	8.05		80.5	263764	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.808	6.784	0.024	1.000	4629817	7.29	Target=5.09	114	59085	
613.00 > 169.00	6.796	6.784	0.012	0.998	880252		5.26(2.54-7.63)		22669	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.828	6.807	0.021	1.084	1426613	6.89		68.9	4811	
77 N-MeFOSE-M										
616.00 > 59.00	6.828	6.807	0.021	1.000	963172	6.42		100	9794	
75 10:2 FTS										
627.00 > 607.00	6.818	6.807	0.011	1.083	523895	5.03	Target=0.84	81.5	36989	
627.00 > 81.00	6.818	6.807	0.011	1.083	577677		0.91(0.42-1.26)		20221	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 79 d3-NMePFOSA										
515.00 > 169.00	6.838	6.828	0.010	1.086	551364	4.16		41.6	16978	
78 NMeFOSA										
512.00 > 169.00	6.838	6.828	0.010	1.000	383643	6.96		109	10215	
80 PFDoS										
699.00 > 80.00	6.975	6.956	0.019	1.168	3892322	6.71		108	81940	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.984	6.965	0.019	1.109	1561399	6.93		69.3	8514	
82 N-EtFOSE-M										
630.00 > 59.00	6.993	6.975	0.018	1.001	1085314	6.37		99.6	16462	
D 83 d5-NEtPFOSA										
531.00 > 169.00	7.002	6.984	0.018	1.112	590949	4.65		46.5	18810	
84 N-EtFOSA-M										
526.00 > 169.00	7.013	6.993	0.020	1.002	390340	6.18		96.5	8621	
85 Perfluorotridecanoic acid										
663.00 > 619.00	7.013	6.993	0.020	1.030	3401354	6.79	Target=4.59	106	50345	
663.00 > 169.00	7.002	6.993	0.009	1.029	781715		4.35(2.29-6.88)		43848	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.190	7.172	0.018	1.142	5967130	7.17		71.7	281303	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.190	7.172	0.018	1.000	3655661	7.27	Target=5.25	114	14760	
713.00 > 169.00	7.190	7.172	0.018	1.000	715483		5.11(2.62-7.87)		28292	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.487	7.467	0.020	1.041	4388149	6.84	Target=8.75	107	16479	
813.00 > 169.00	7.487	7.467	0.020	1.041	499659		8.78(4.38-13.13)		23180	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.716	7.701	0.015	1.073	2514412	6.54	Target=8.07	102	47809	
913.00 > 169.00	7.716	7.701	0.015	1.073	312610		8.04(4.04-12.11)		24761	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 17:18:50 Chrom Revision: 2.3 07-Jul-2021 15:06:26

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-28.d

Injection Date: 22-Jul-2021 05:37:38 Instrument ID: 30733

Lims ID: 460-239002-A-4-B MS

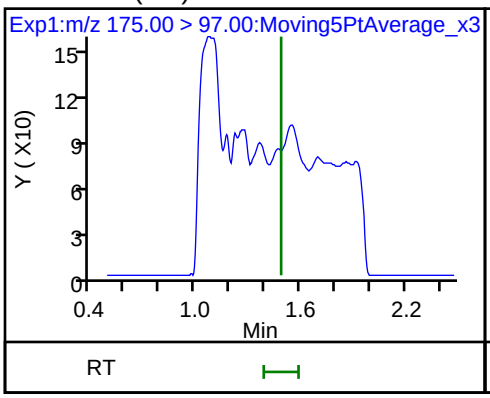
Client ID: MW-6

Operator ID: US19_USR_INS20260 ALS Bottle#: 25 Worklist Smp#: 28

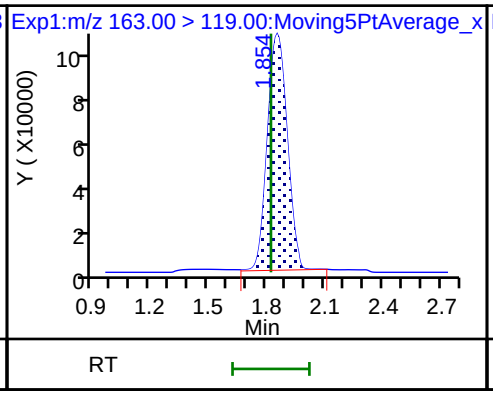
Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

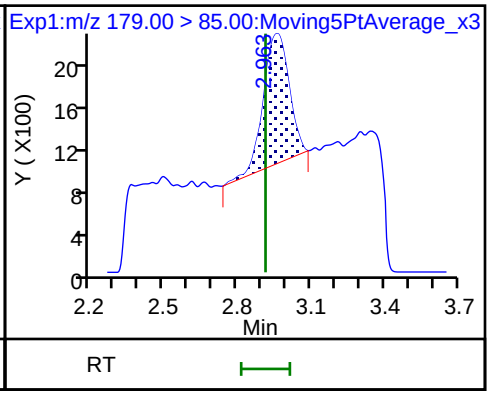
107 MTP (ND)



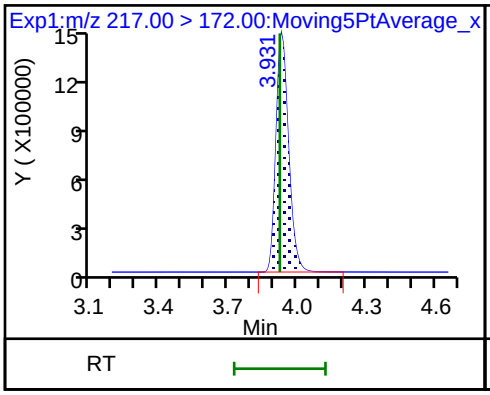
1 PPF Acid



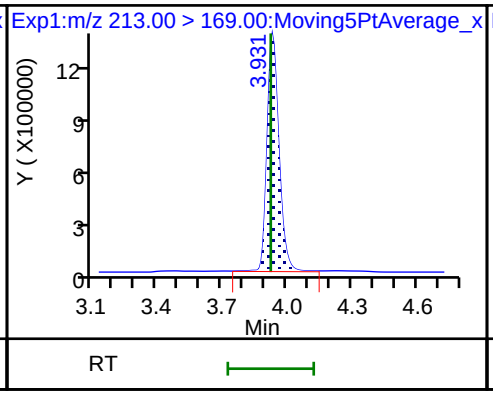
96 PFMOAA



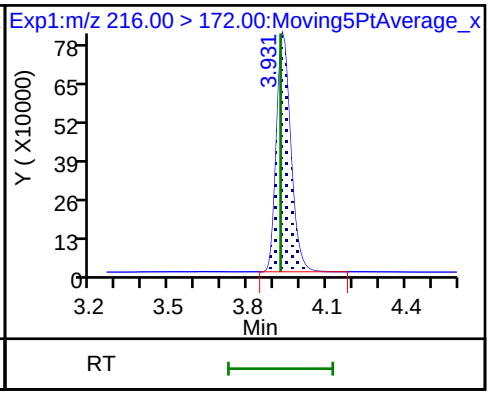
D 3 13C4 PFBA



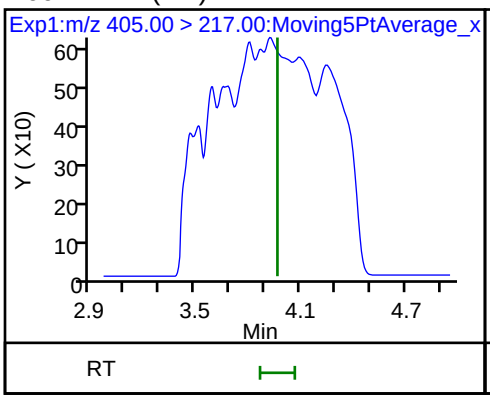
2 Perfluorobutanoic acid



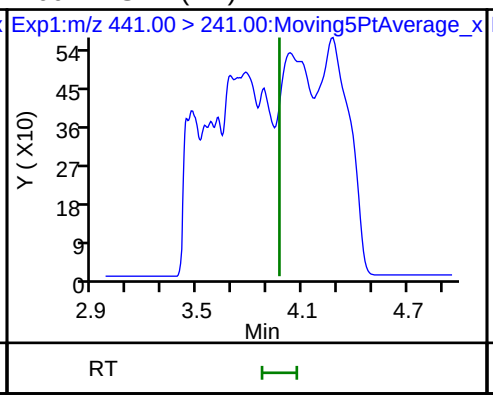
* 4 13C3-PFBA



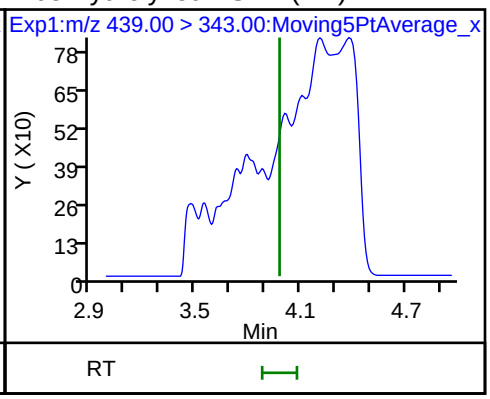
99 R-EVE (ND)



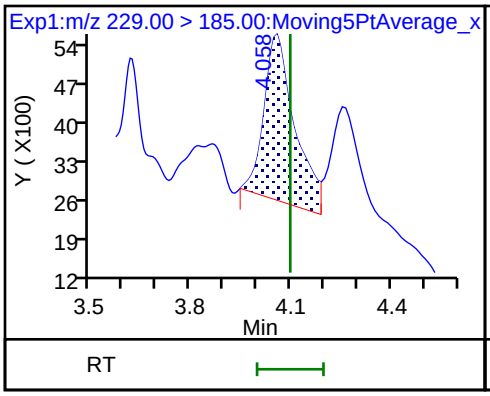
100 R-PSDA (ND)



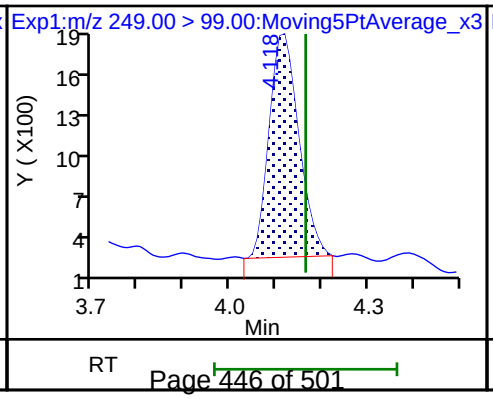
105 Hydrolyzed PSDA (ND)



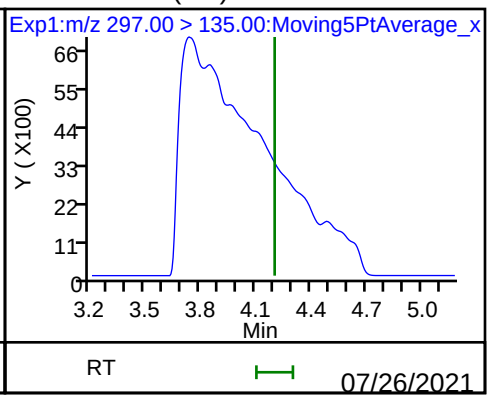
102 PMPA



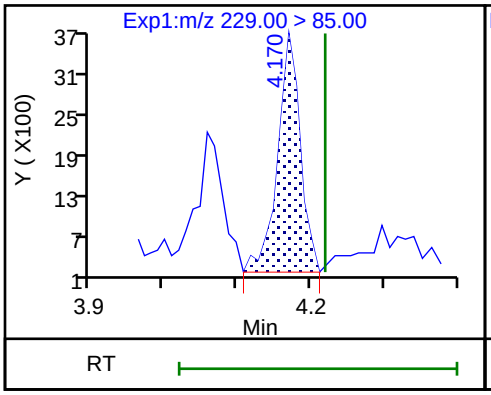
5 PFPrS



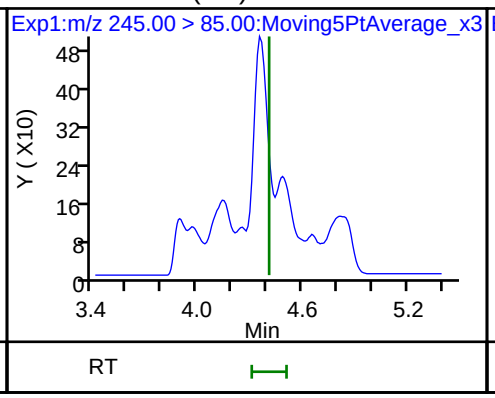
103 NVHOS (ND)



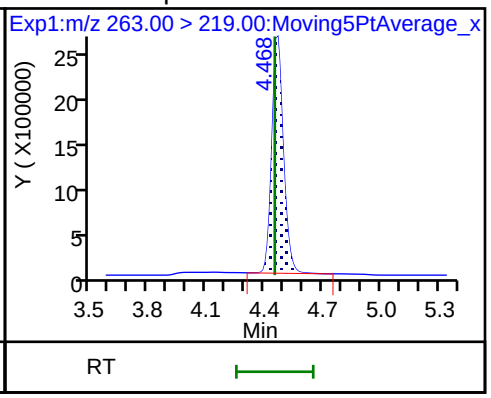
6 PFECA F



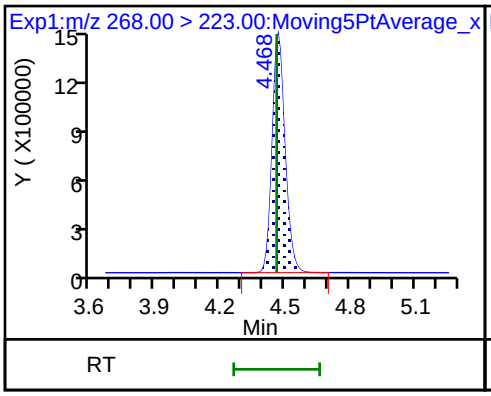
92 PFO2HxA (ND)



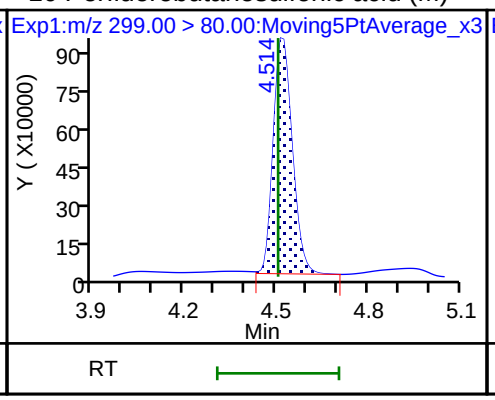
7 Perfluoropentanoic acid



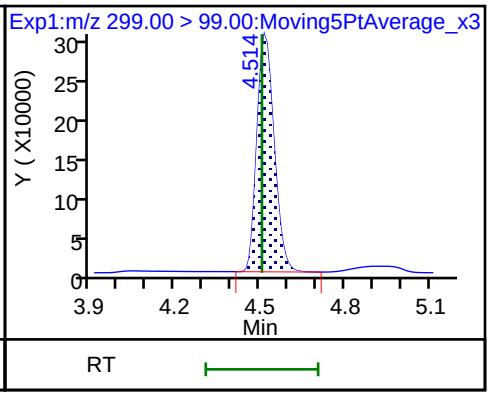
D 8 13C5 PFPeA



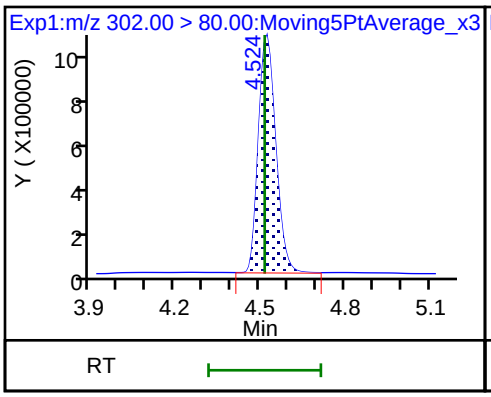
10 Perfluorobutanesulfonic acid (M)



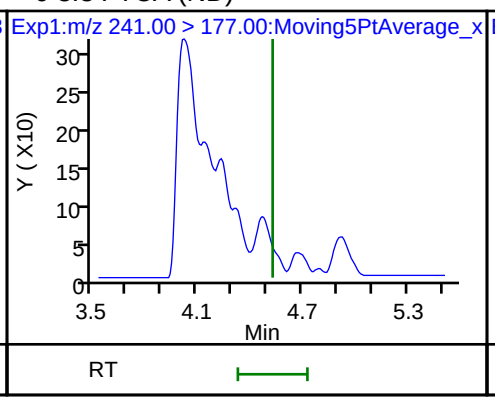
10 Perfluorobutanesulfonic acid



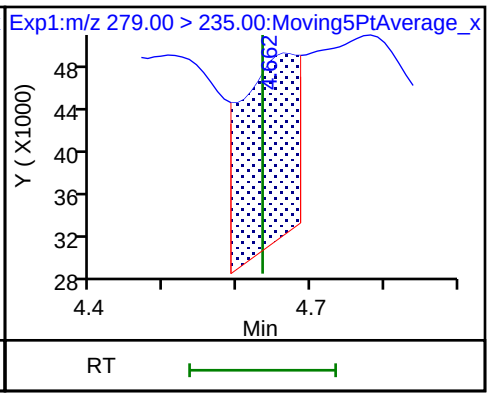
D 11 13C3 PFBS



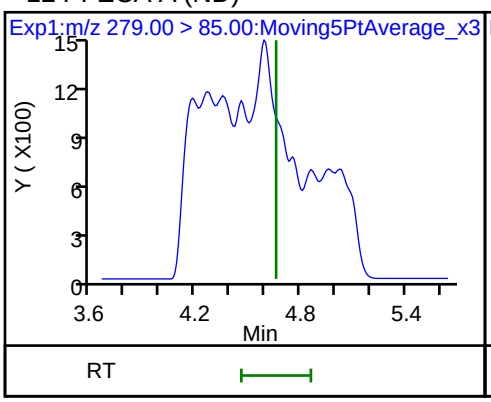
9 3:3 FTCA (ND)



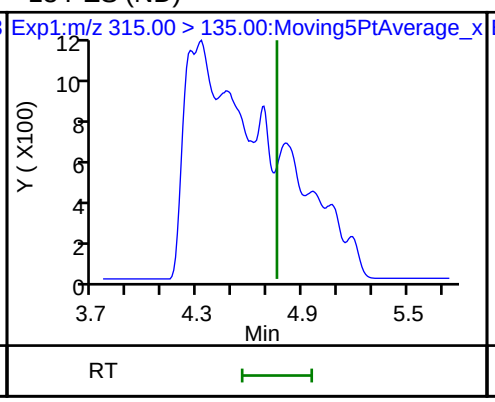
91 PEPA



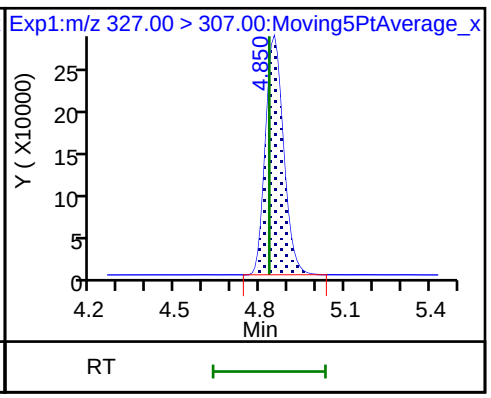
12 PFECA A (ND)



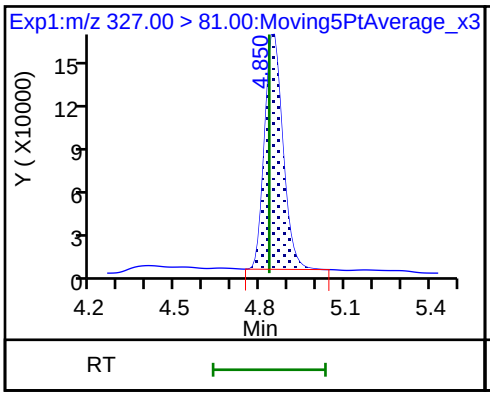
13 PES (ND)



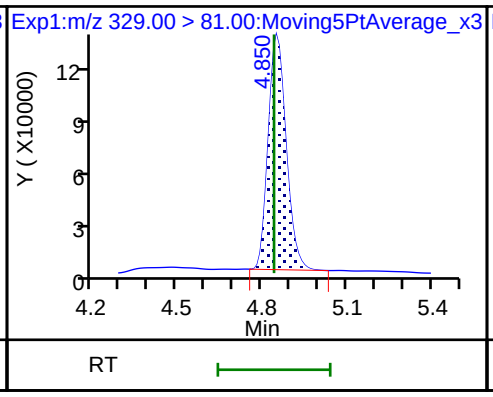
15 4:2 FTS



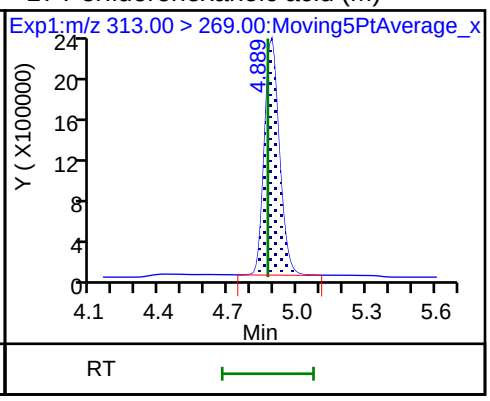
15 4:2 FTS



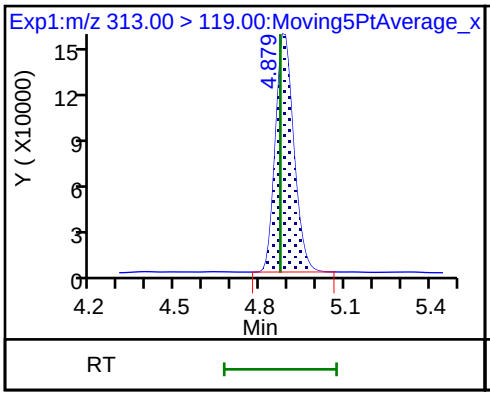
D 16 M2-4:2 FTS



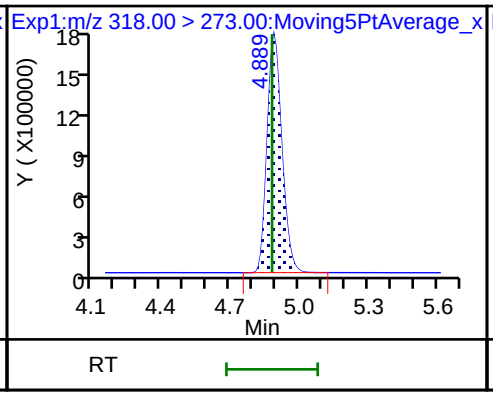
17 Perfluorohexanoic acid (M)



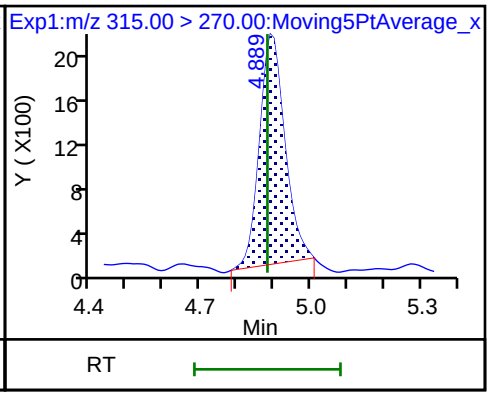
17 Perfluorohexanoic acid



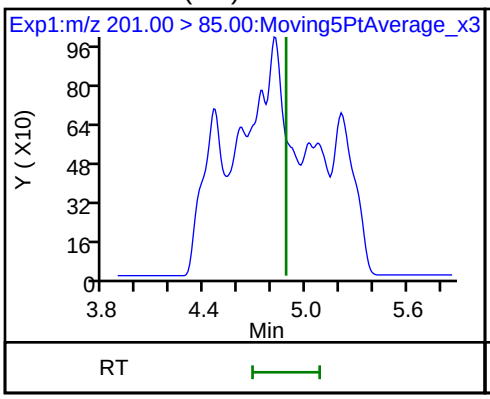
D 19 13C5 PFHxA



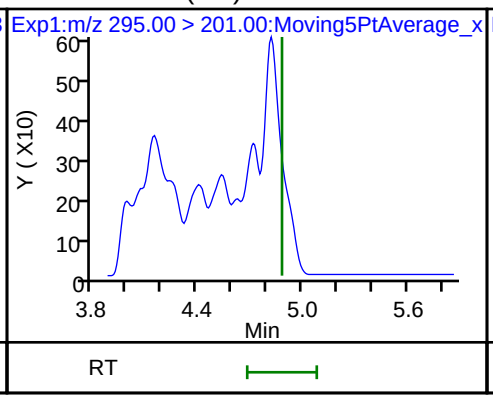
$ 18 13C2 PFHxA



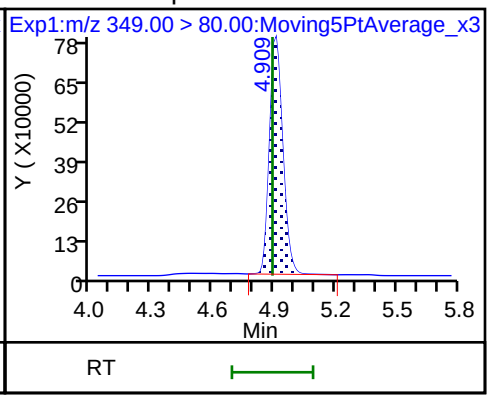
14 PFECA B (ND)



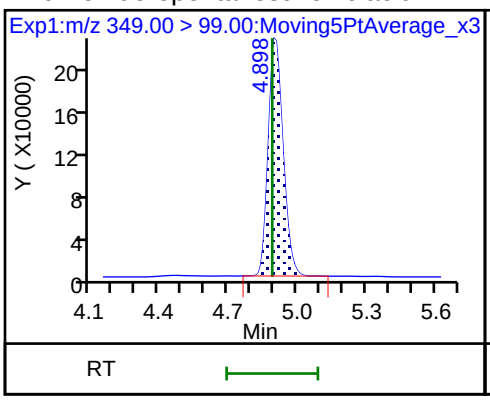
14 PFECA B (ND)



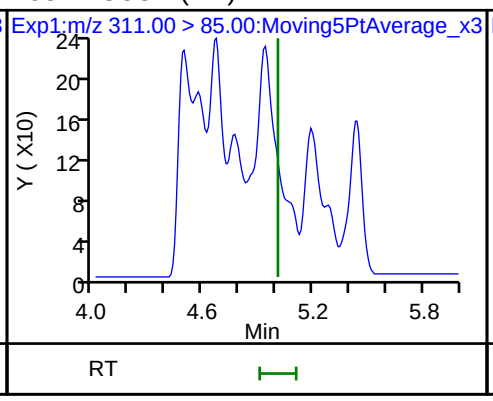
20 Perfluoropentanesulfonic acid



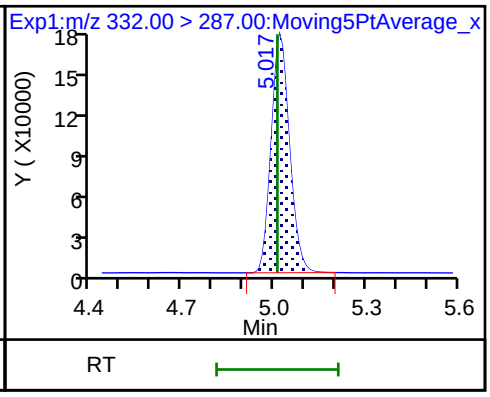
20 Perfluoropentanesulfonic acid



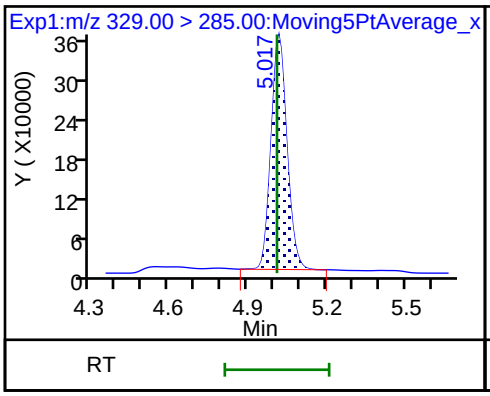
93 PFO3OA (ND)



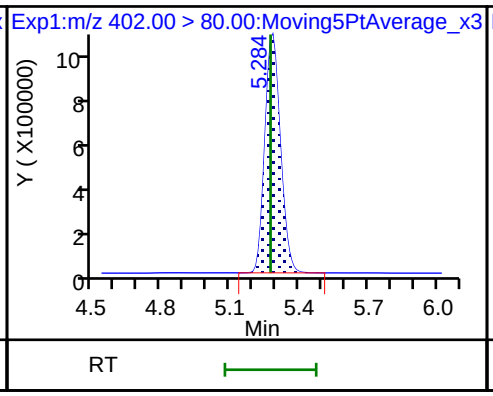
D 22 13C3 HFPO-DA



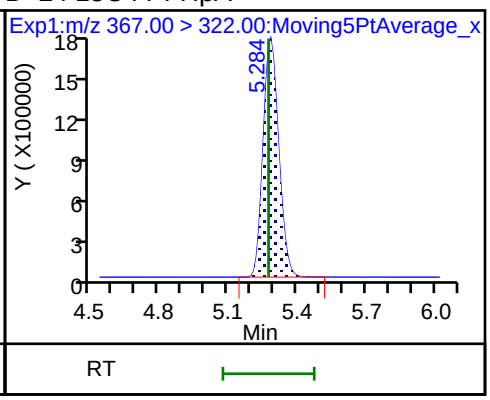
21 HFPO-DA



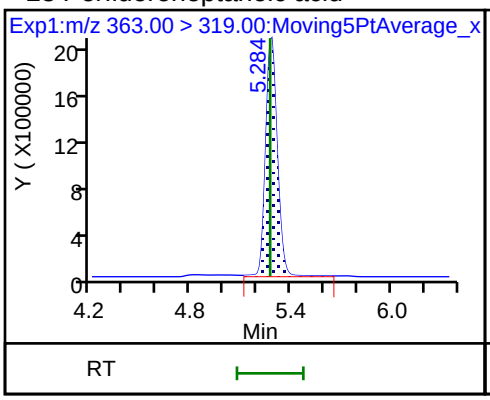
D 25 13C3 PFHxS



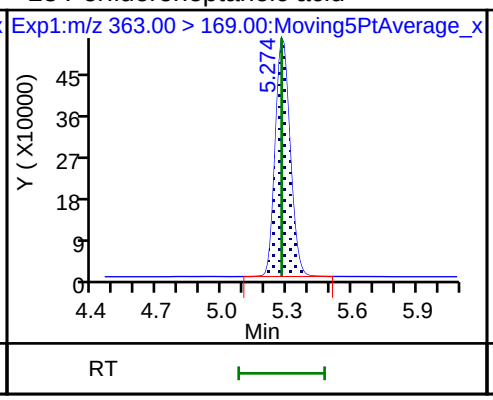
D 24 13C4 PFHpA



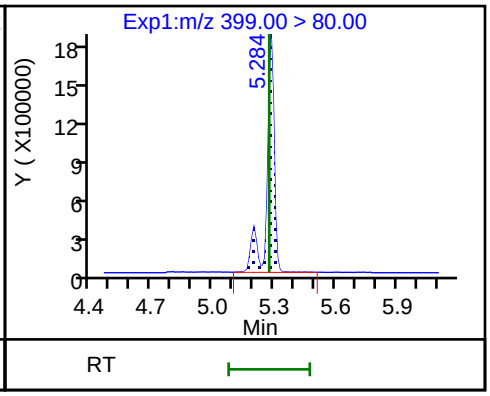
23 Perfluoroheptanoic acid



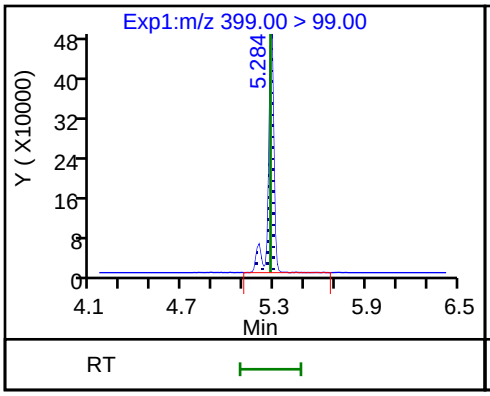
23 Perfluoroheptanoic acid



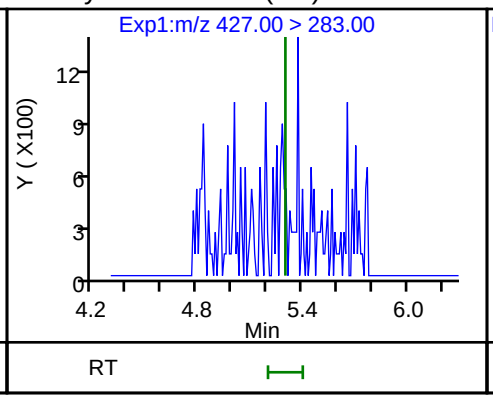
26 Perfluorohexanesulfonic acid



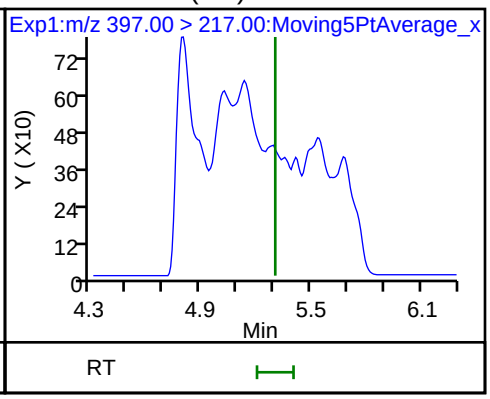
26 Perfluorohexanesulfonic acid



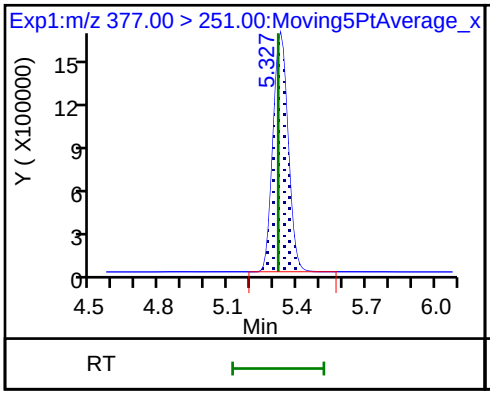
97 Hydro-EVE Acid (ND)



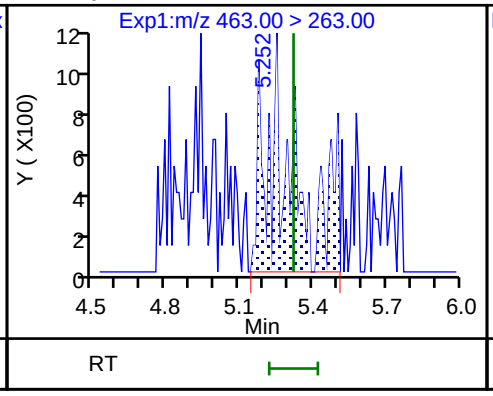
94 R-PSDCA (ND)



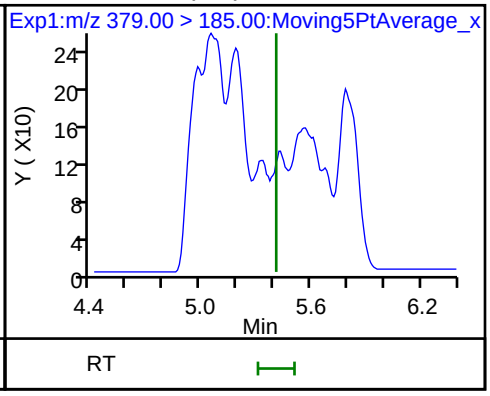
27 DONA



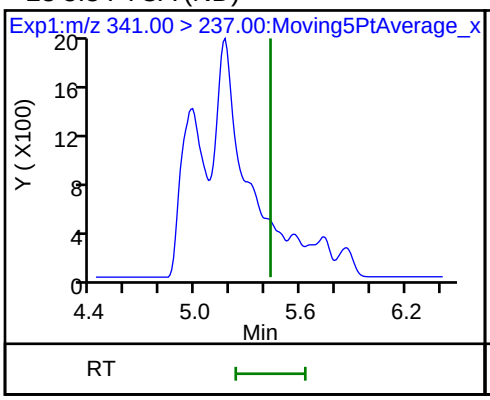
106 Hydro-PS Acid



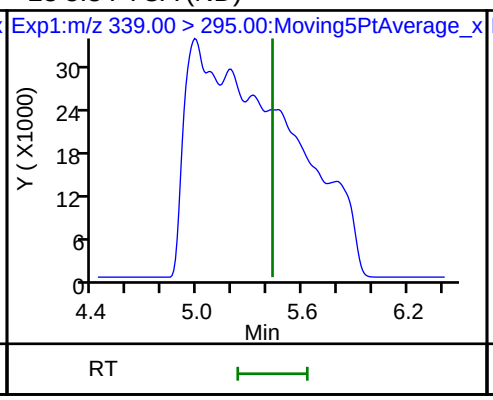
98 PFECA G (ND)



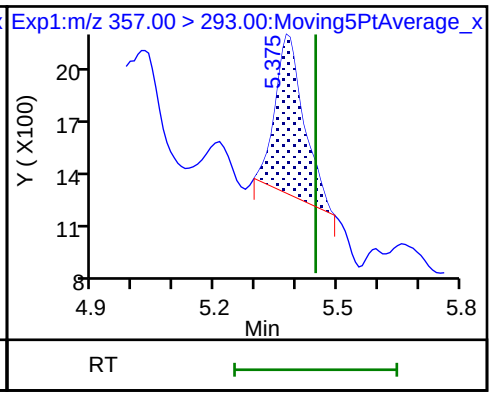
28 5:3 FTCA (ND)



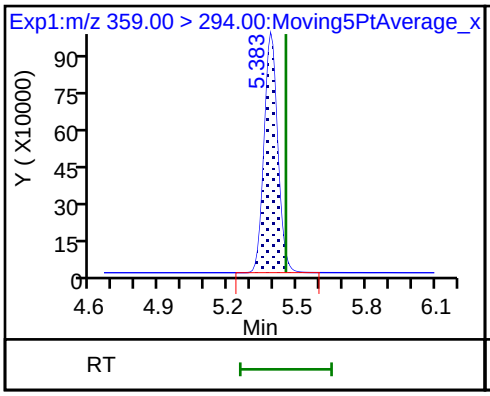
28 5:3 FTCA (ND)



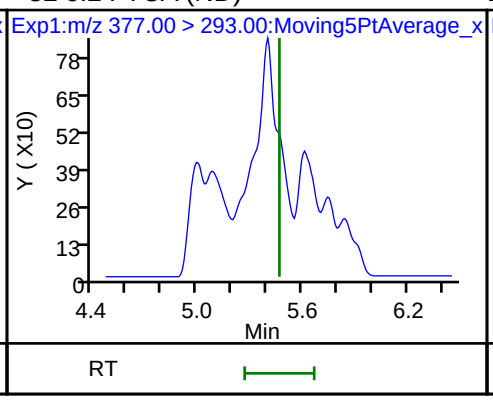
29 6:2 FTUCA



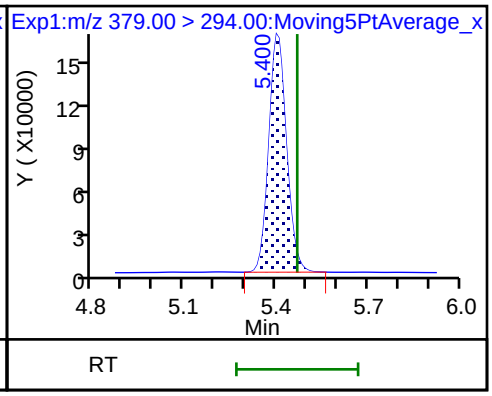
D 30 13C-6:2 FTUCA



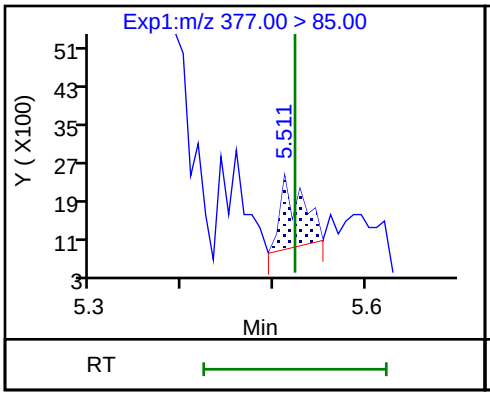
32 6:2 FTCA (ND)



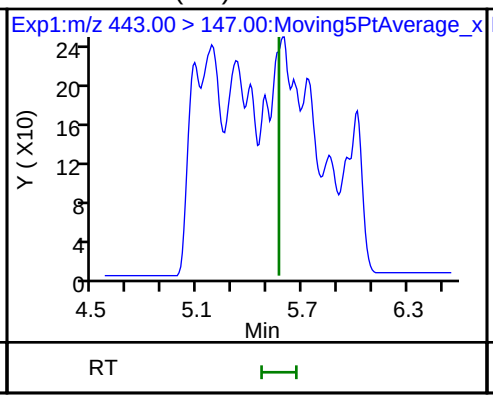
D 31 13C-6:2 FTCA



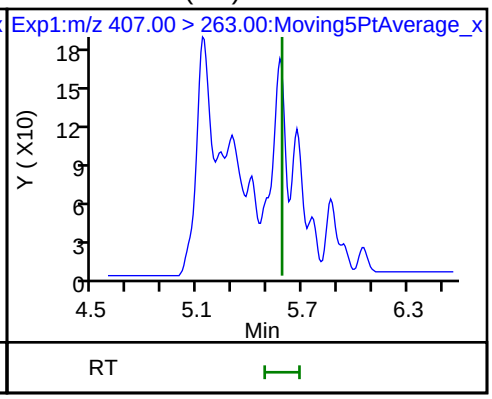
95 PFO4DA



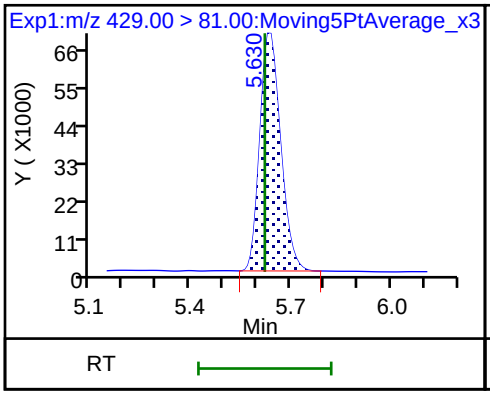
104 PS Acid (ND)



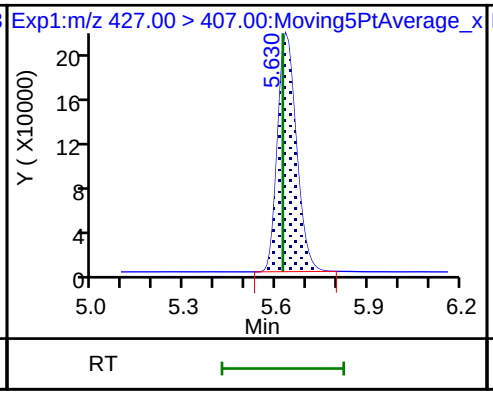
90 EVE Acid (ND)



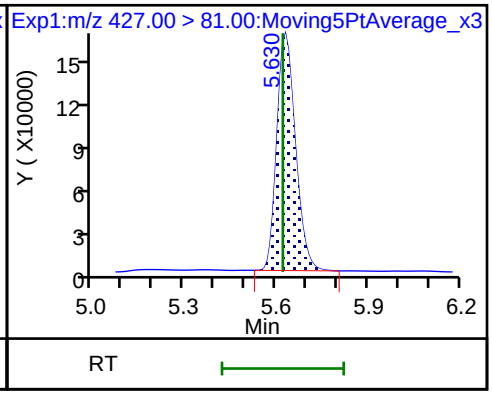
D 35 M2-6:2 FTS



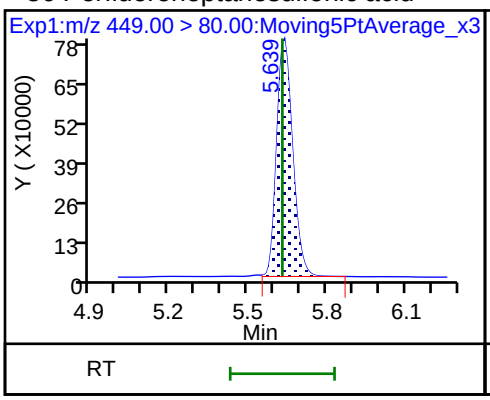
34 6:2 FTS



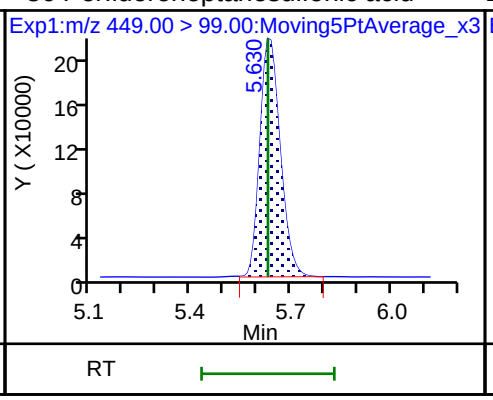
34 6:2 FTS



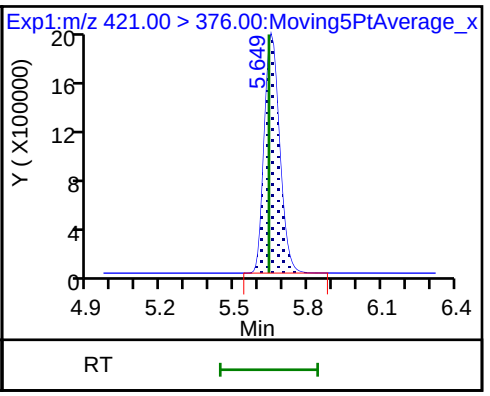
36 Perfluoroheptanesulfonic acid



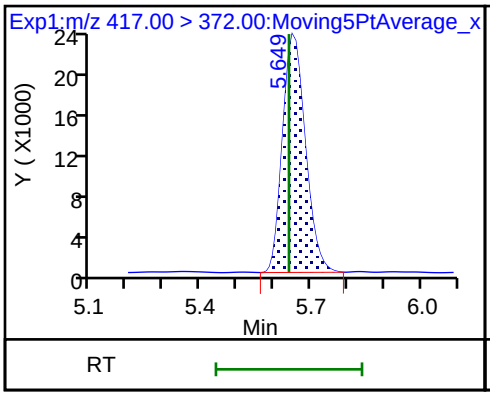
36 Perfluoroheptanesulfonic acid



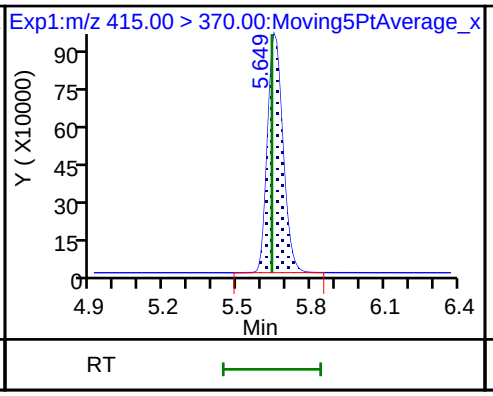
D 37 13C8 PFOA



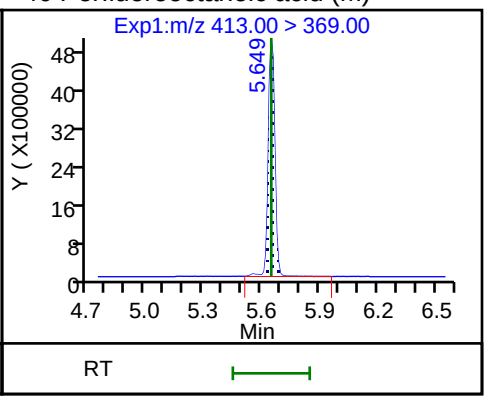
$ 39 13C4 PFOA



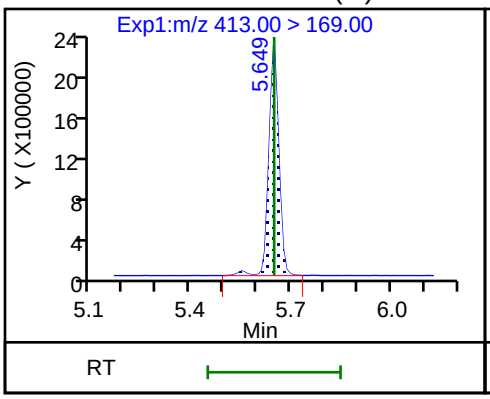
* 38 13C2 PFOA



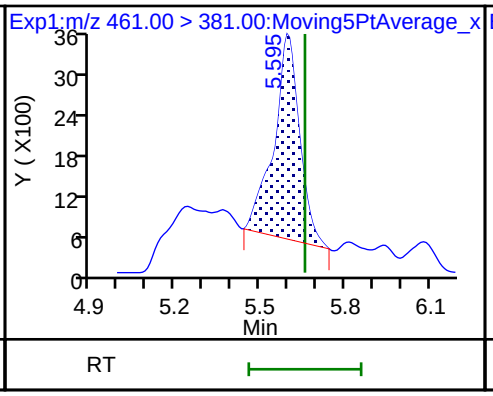
40 Perfluorooctanoic acid (M)



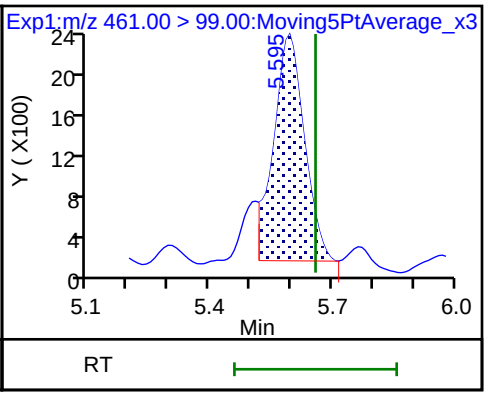
40 Perfluorooctanoic acid (M)



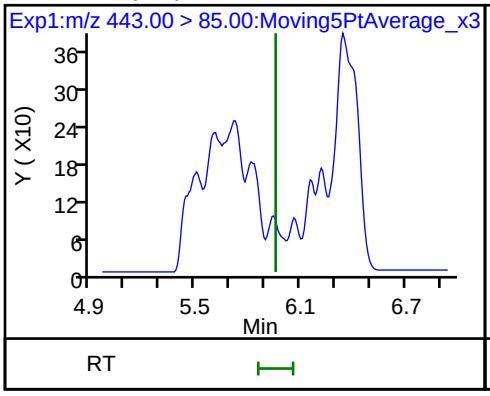
33 PFECHS



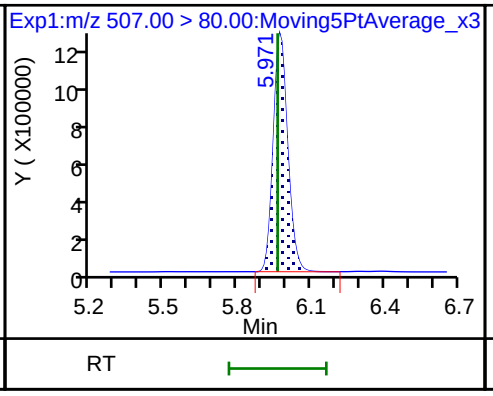
33 PFECHS



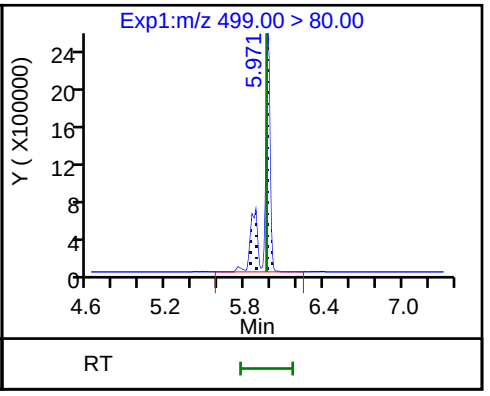
101 TAF (ND)



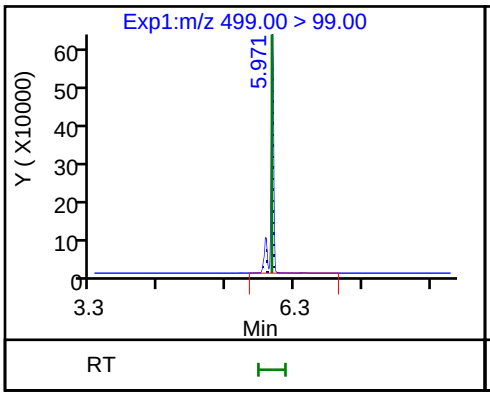
D 41 13C8 PFOS



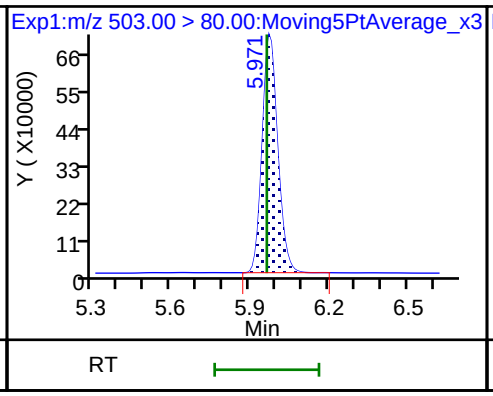
43 Perfluorooctanesulfonic acid



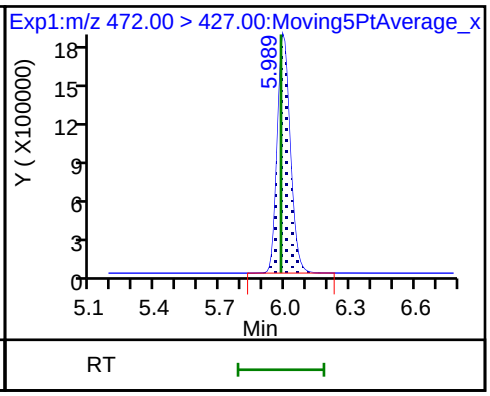
43 Perfluorooctanesulfonic acid



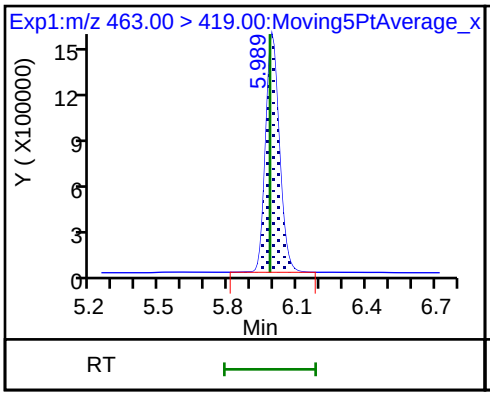
* 42 13C4 PFOS



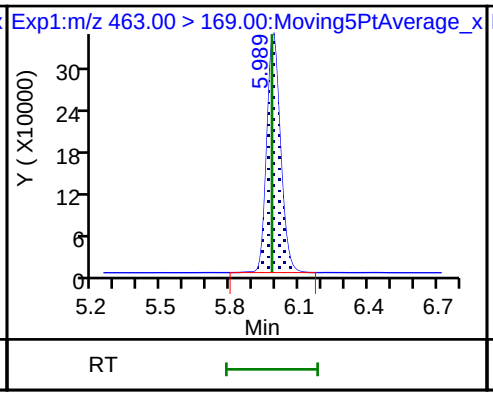
D 45 13C9 PFNA



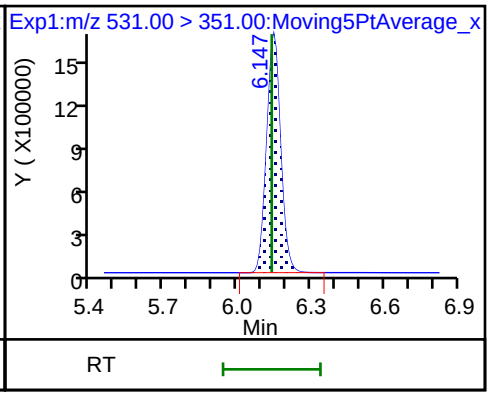
44 Perfluorononanoic acid



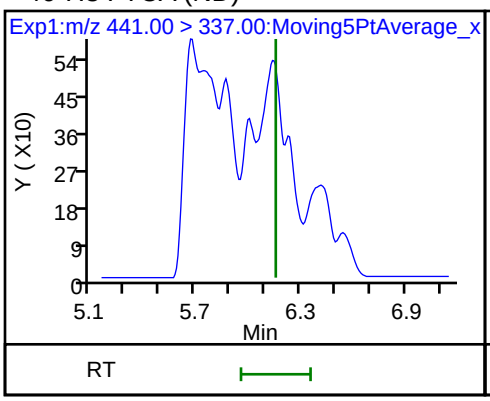
44 Perfluorononanoic acid



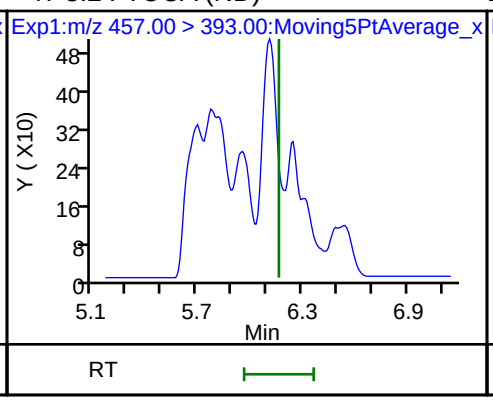
51 9ClFOS



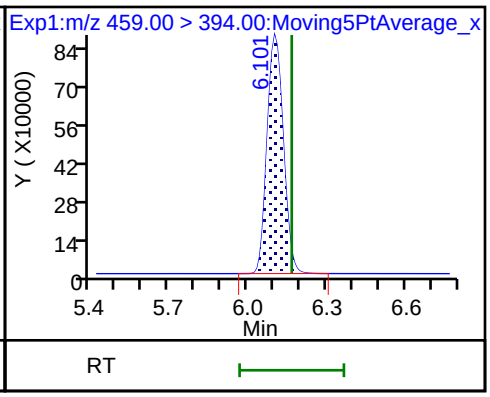
46 7:3 FTCA (ND)



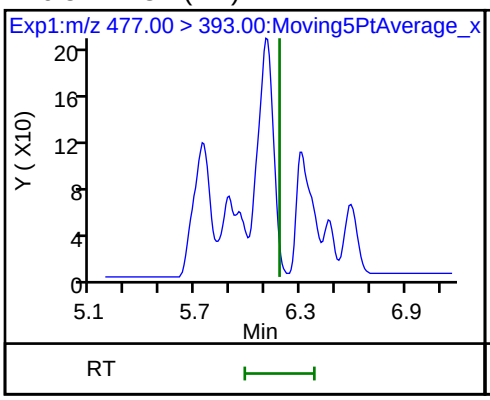
47 8:2 FTUCA (ND)



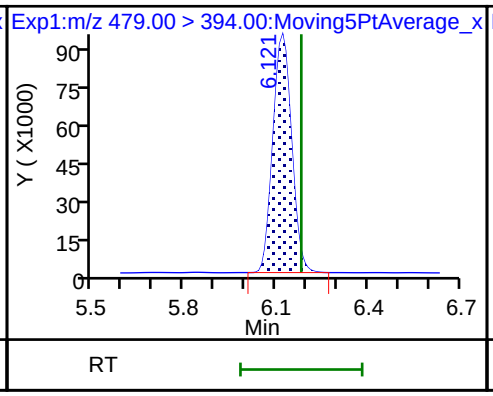
D 48 13C-8:2 FTUCA



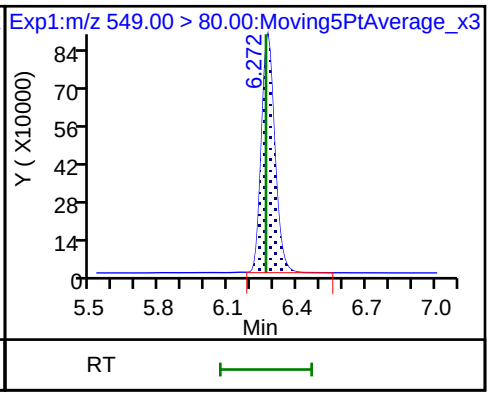
49 8:2 FTCA (ND)



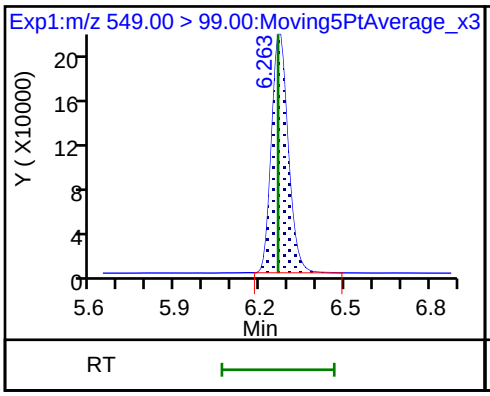
D 50 13C-8:2 FTCA



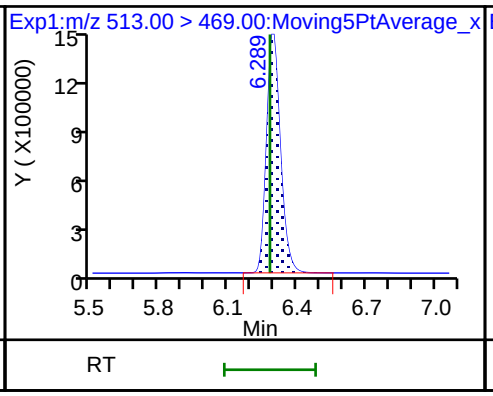
52 Perfluorononanesulfonic acid



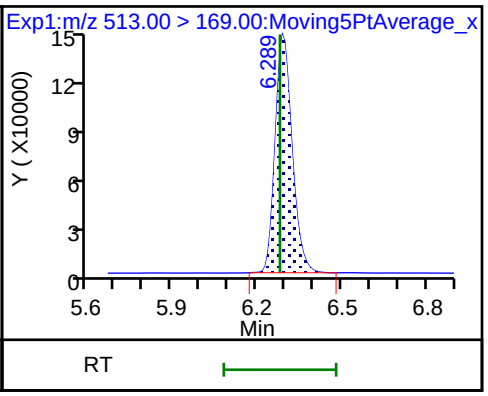
52 Perfluorononanesulfonic acid



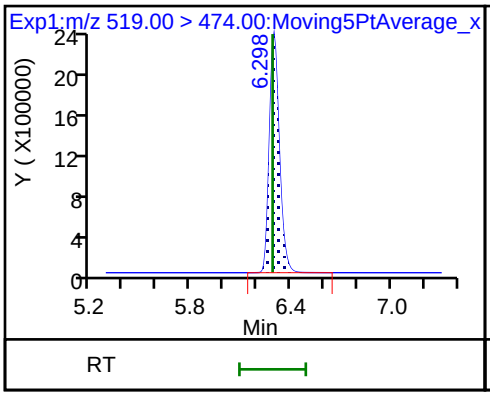
53 Perfluorodecanoic acid



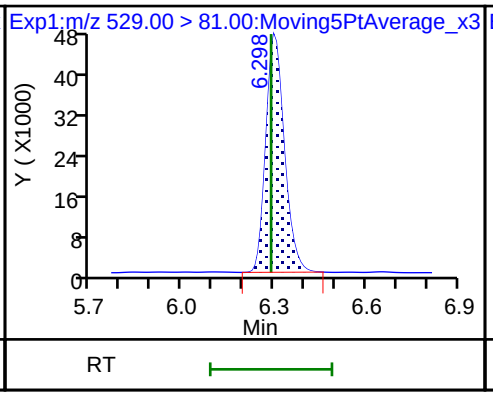
53 Perfluorodecanoic acid



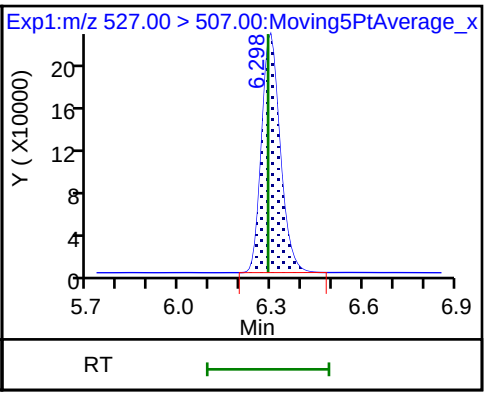
D 54 13C6 PFDA



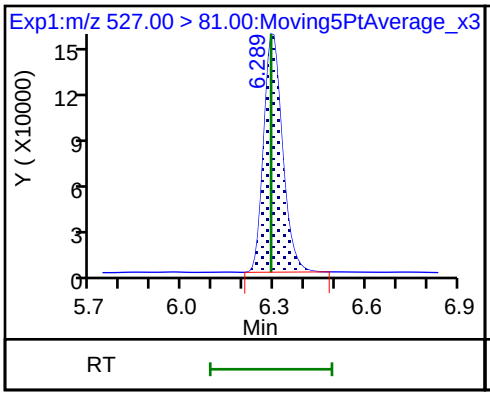
D 57 M2-8:2 FTS



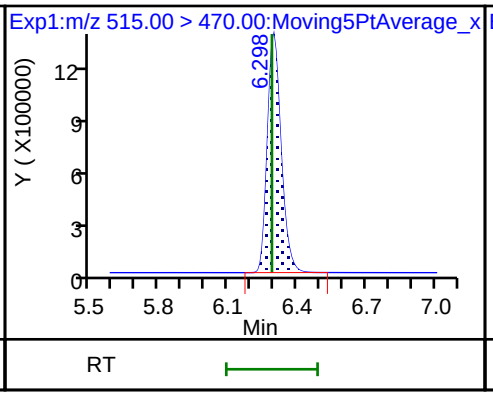
56 8:2 FTS



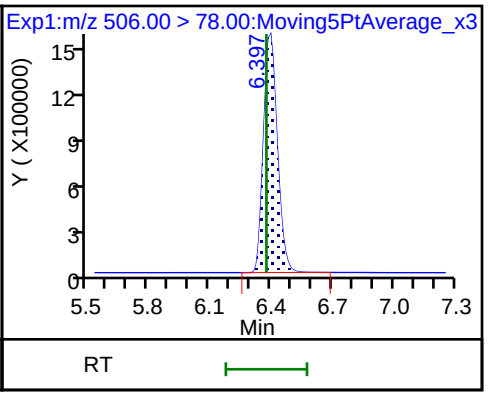
56 8:2 FTS



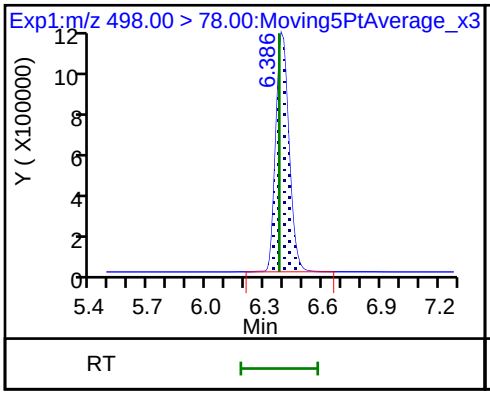
* 55 13C2 PFDA



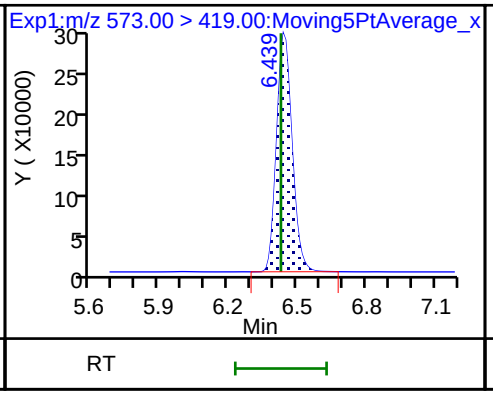
D 59 13C8 FOSA



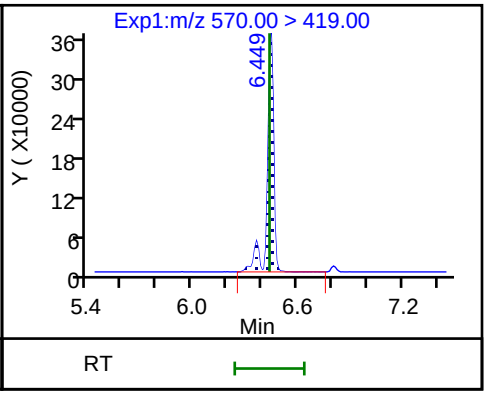
58 Perfluorooctanesulfonamide



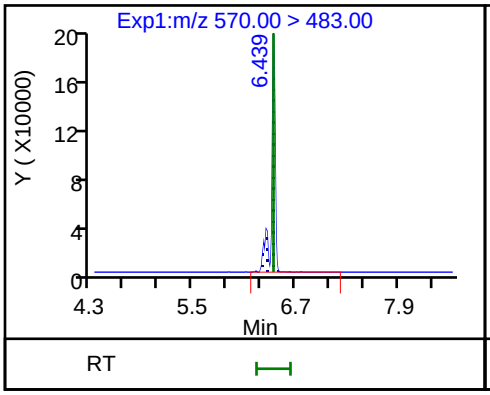
D 61 d3-NMeFOSAA



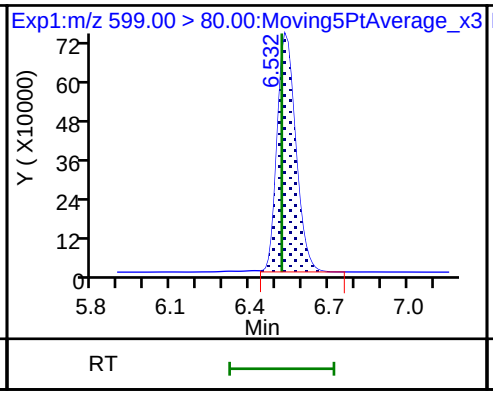
60 NMeFOSAA



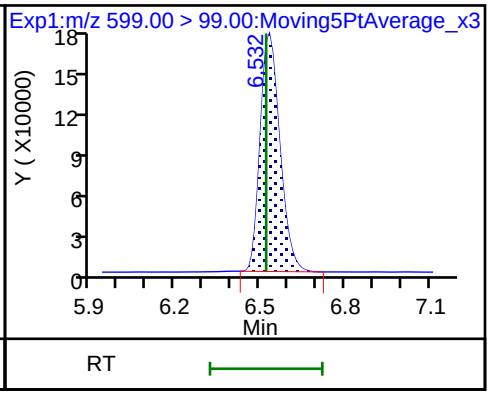
60 NMeFOSAA



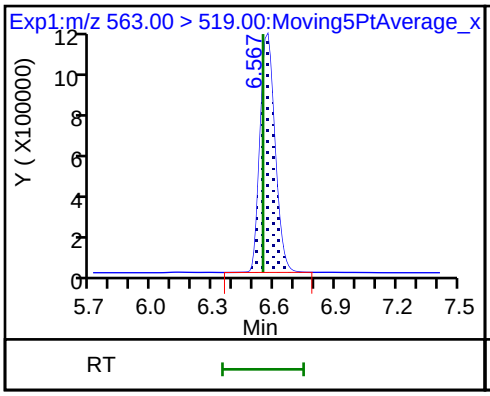
62 Perfluorodecanesulfonic acid



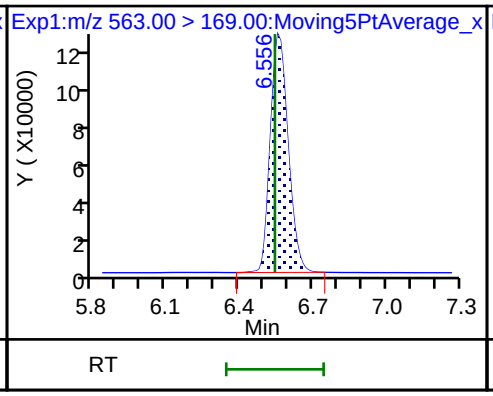
62 Perfluorodecanesulfonic acid



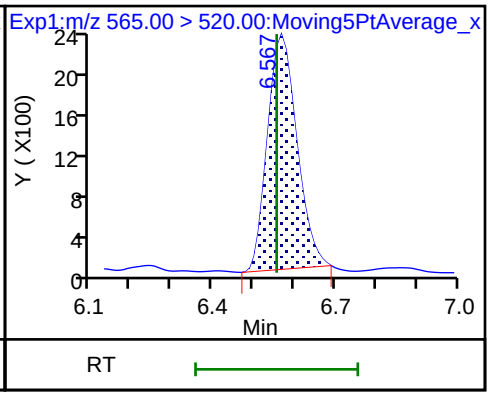
63 Perfluoroundecanoic acid



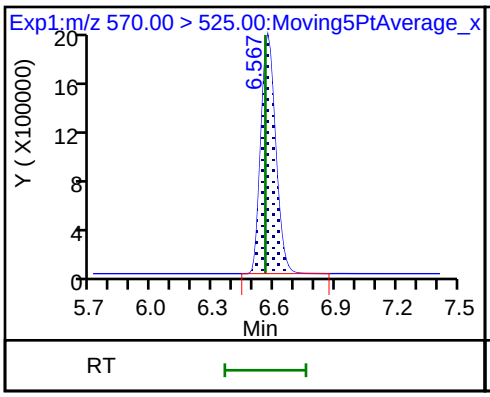
63 Perfluoroundecanoic acid



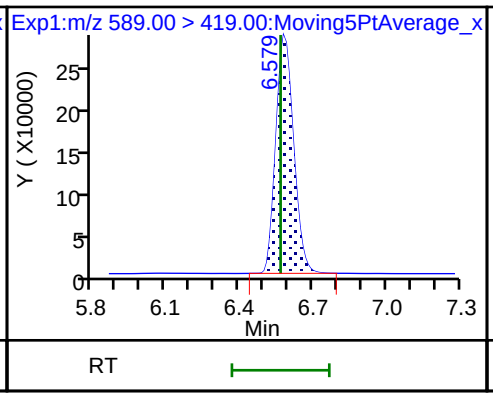
$ 64 13C2 PFUnA



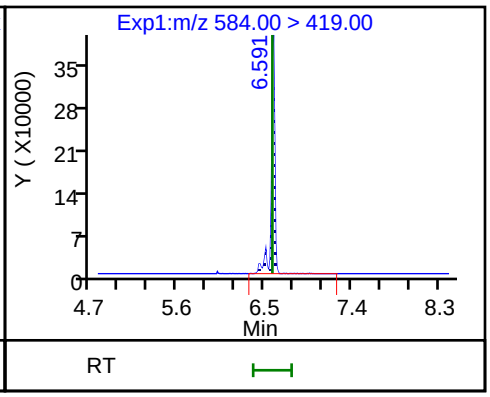
D 65 13C7 PFUnA



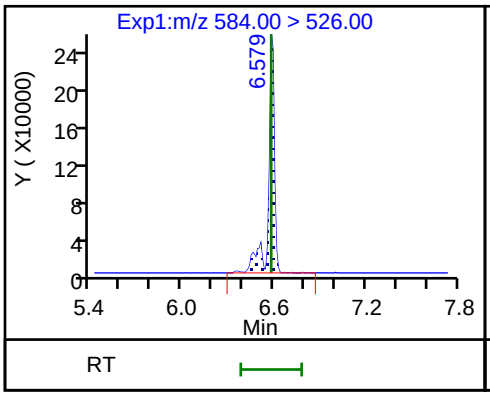
D 66 d5-NEtFOSAA



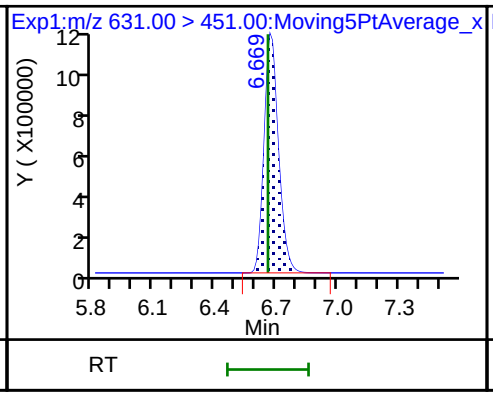
67 NEtFOSAA



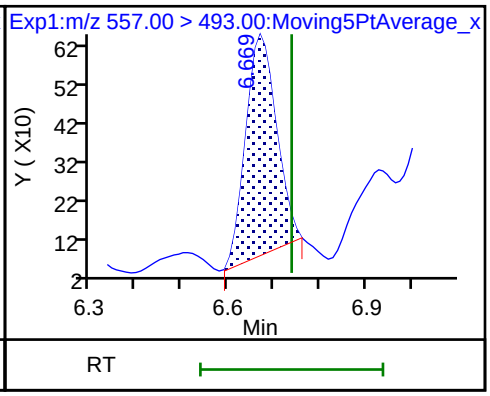
67 NEtFOSAA



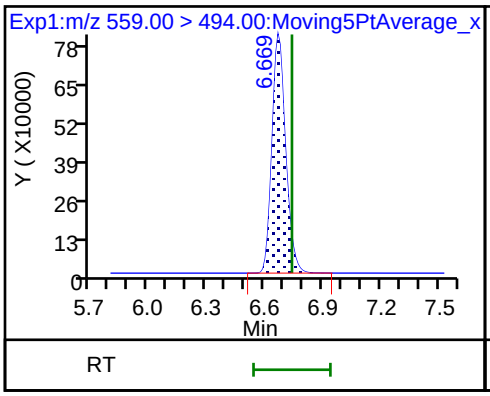
69 11ClFOS



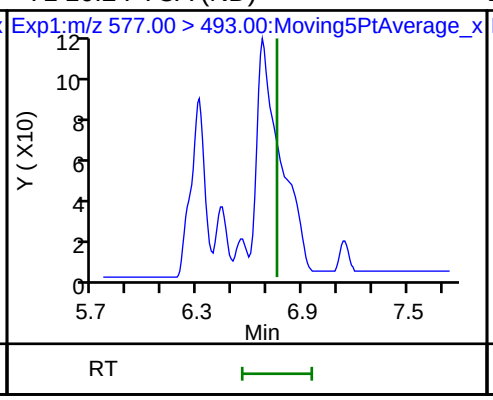
68 10:2 FTUCA



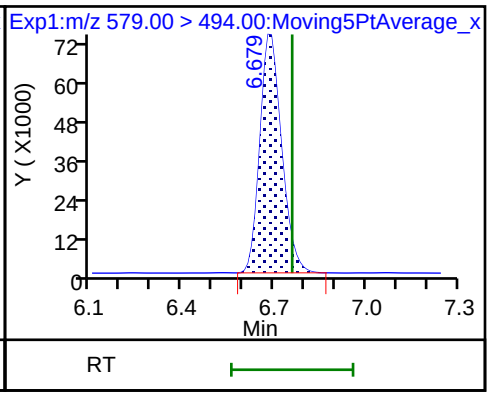
D 70 13C-10:2 FTUCA



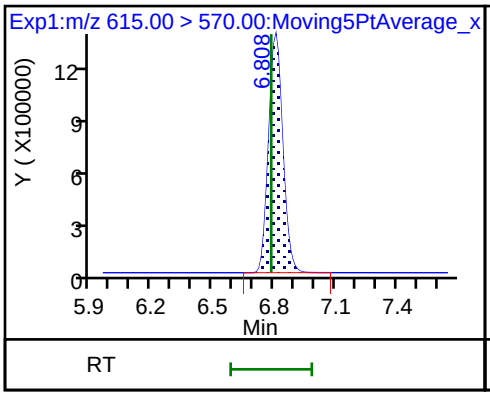
71 10:2 FTCA (ND)



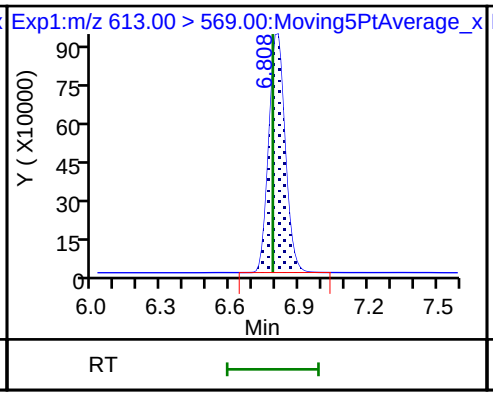
D 72 13C-10:2 FTCA



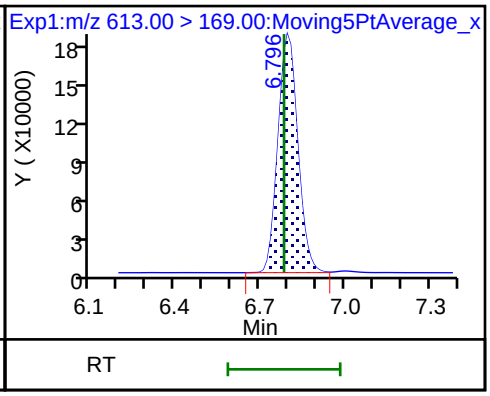
D 74 13C2-PFDoDA



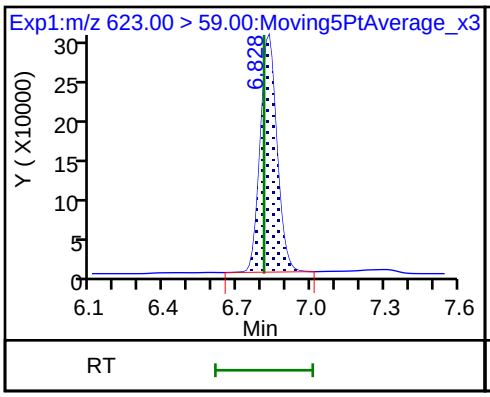
73 Perfluorododecanoic acid



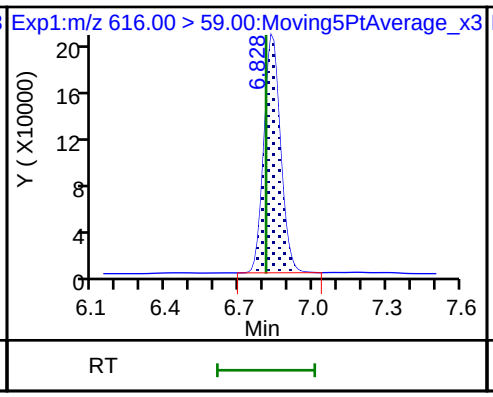
73 Perfluorododecanoic acid



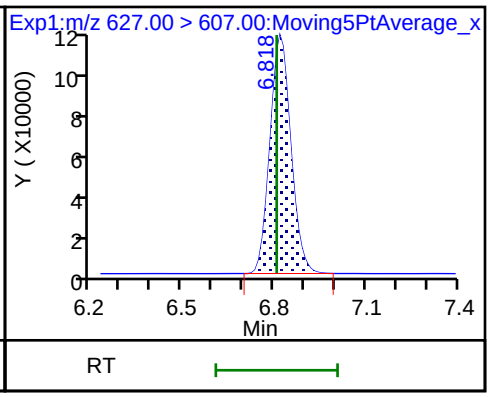
D 76 d7-N-MeFOSE-M



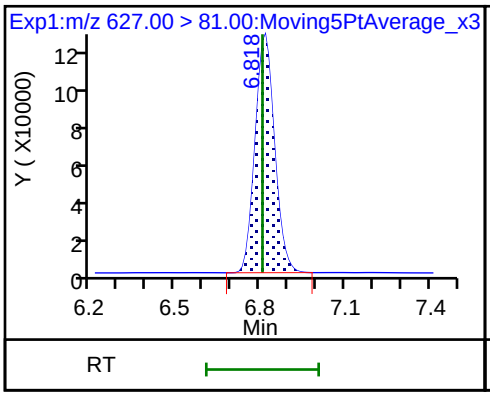
77 N-MeFOSE-M



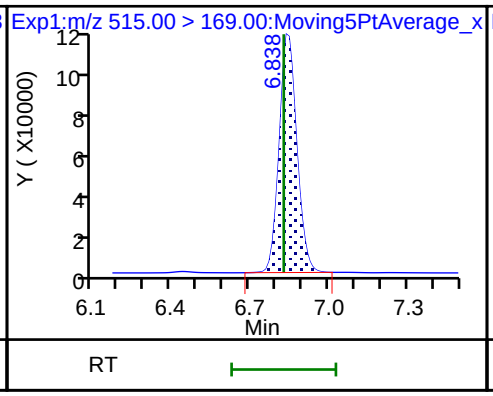
75 10:2 FTS



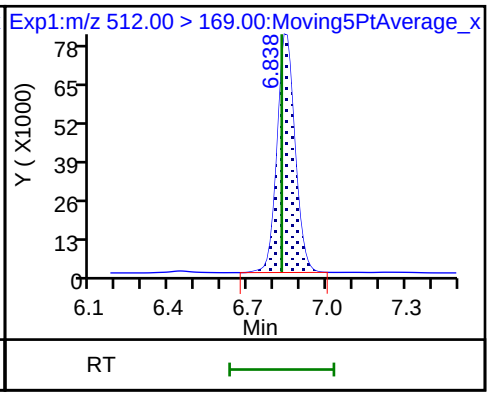
75 10:2 FTS



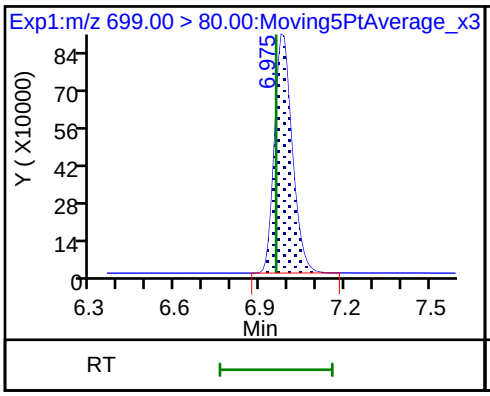
D 79 d3-NMePFOSA



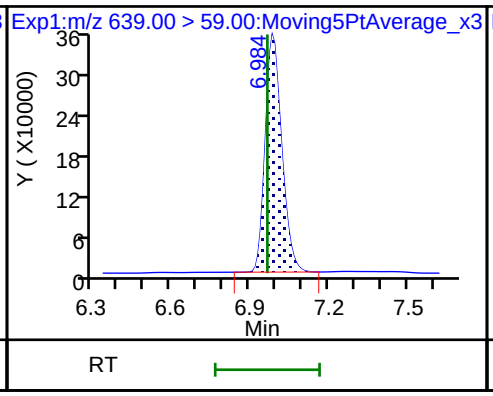
78 NMeFOSA



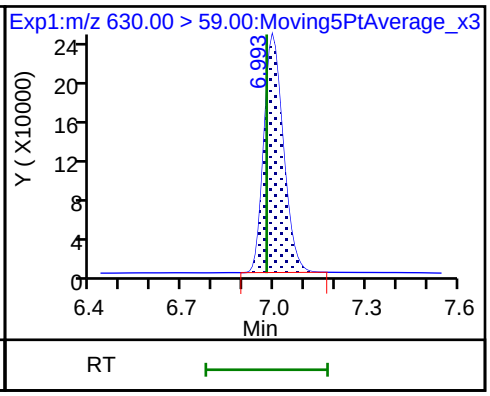
80 PFDoS



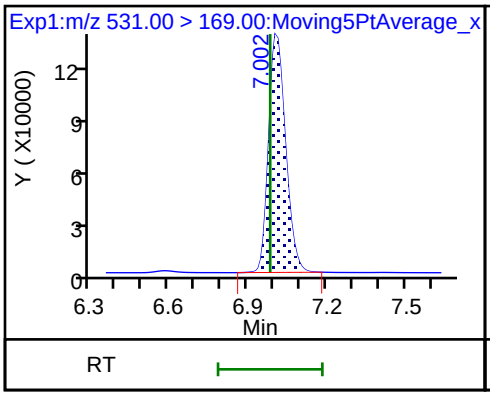
D 81 d9-N-EtFOSE-M



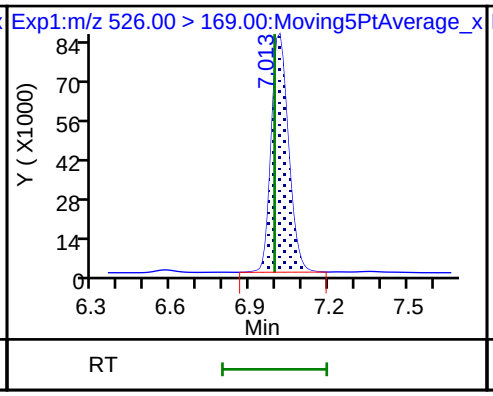
82 N-EtFOSE-M



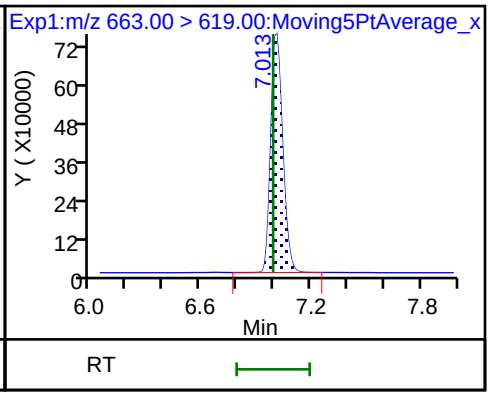
D 83 d5-NEtPFOSA



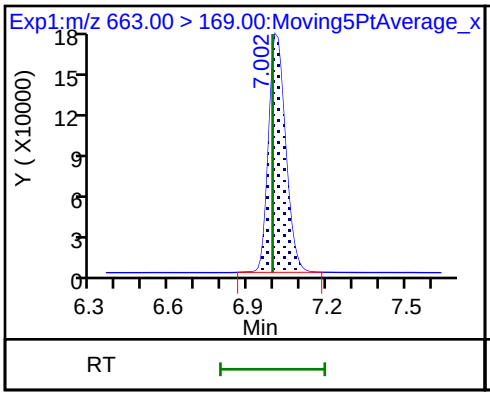
84 N-EtFOSA-M



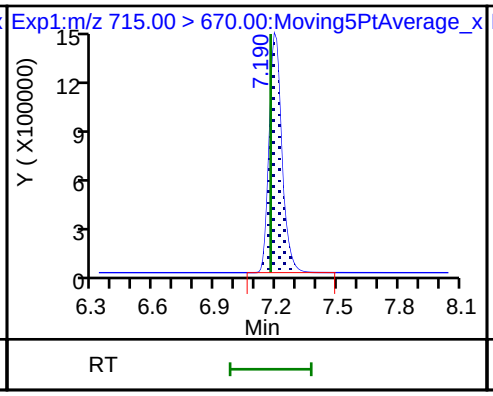
85 Perfluorotridecanoic acid



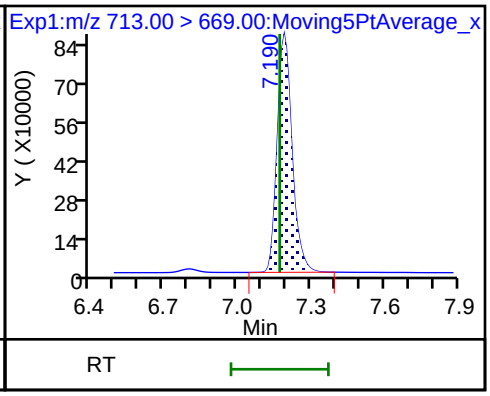
85 Perfluorotridecanoic acid



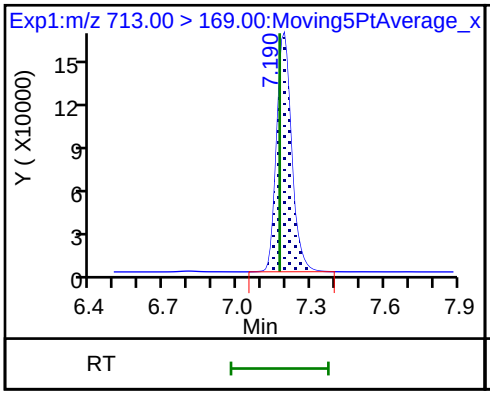
D 87 13C2 PFTeDA



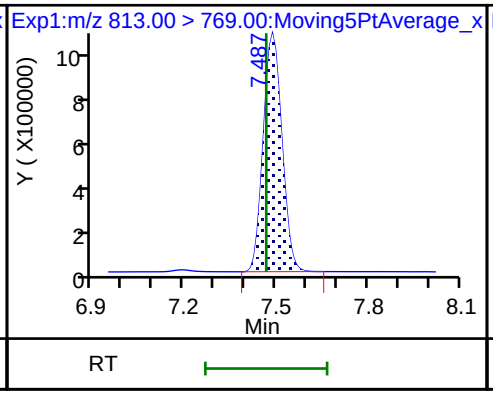
86 Perfluorotetradecanoic acid



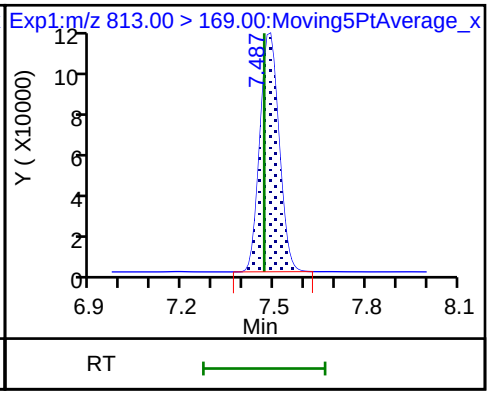
86 Perfluorotetradecanoic acid



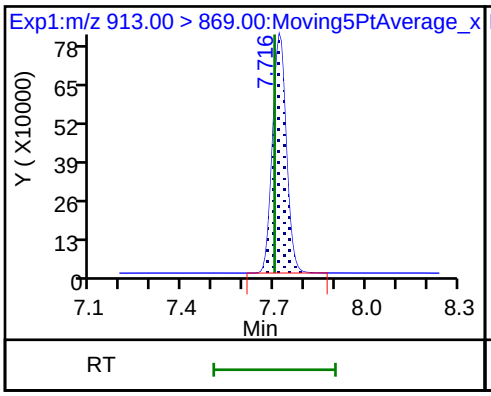
88 Perfluorohexadecanoic acid



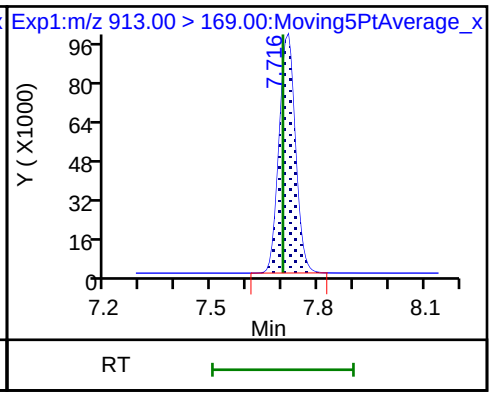
88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

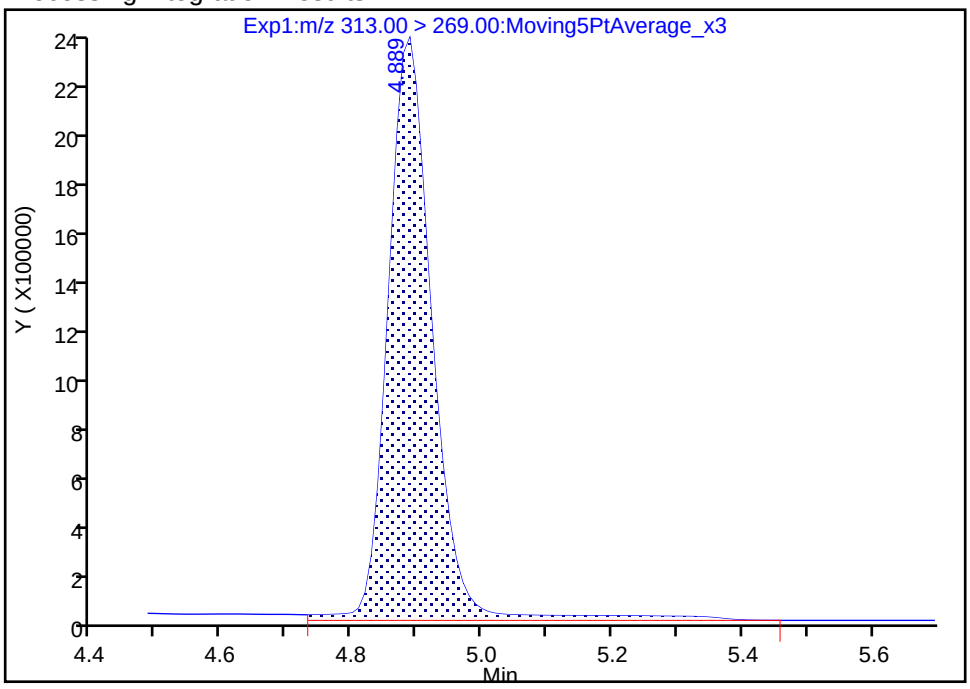
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-28.d				
Injection Date:	22-Jul-2021 05:37:38	Instrument ID:	30733		
Lims ID:	460-239002-A-4-B MS				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	25	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

17 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

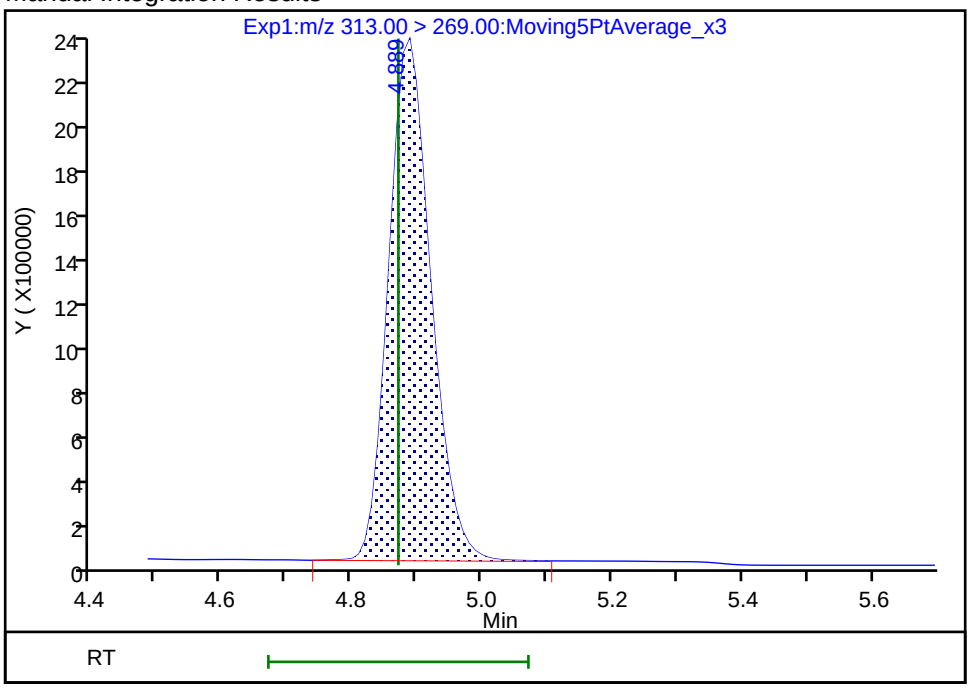
Processing Integration Results

RT: 4.89
Area: 11305681
Amount: 19.661410
Amount Units: ng/ml



Manual Integration Results

RT: 4.89
Area: 10584200
Amount: 18.406702
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:09:04

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

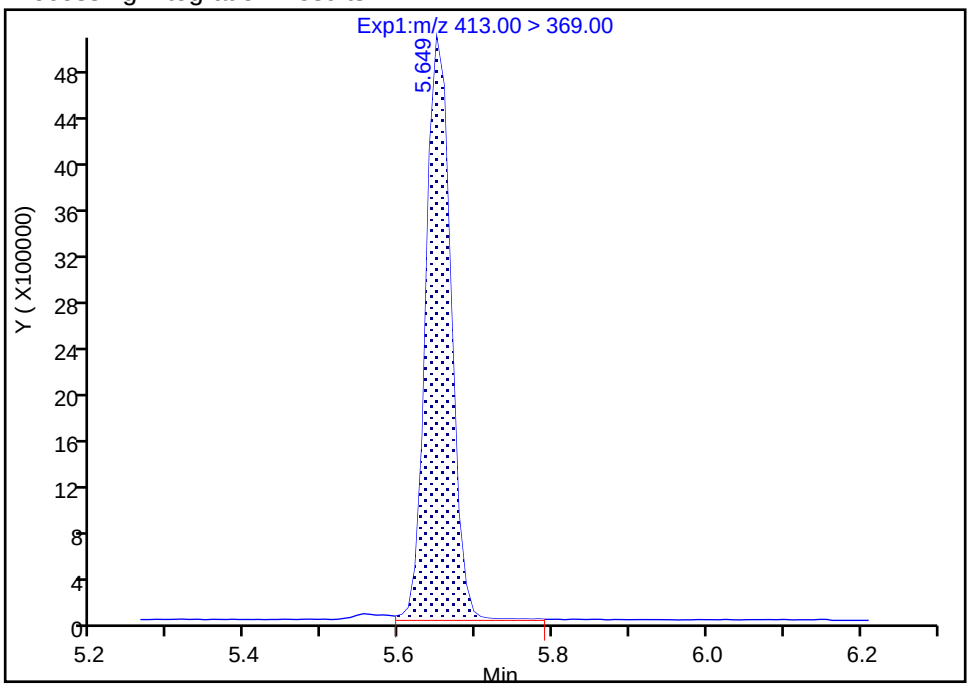
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-28.d				
Injection Date:	22-Jul-2021 05:37:38	Instrument ID:	30733		
Lims ID:	460-239002-A-4-B MS				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	25	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

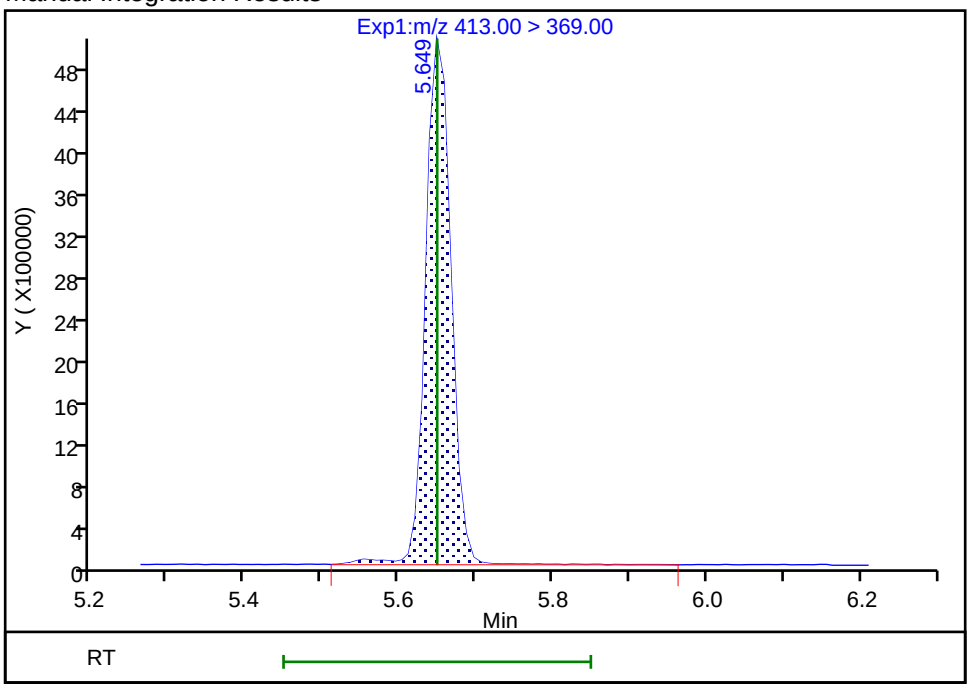
Processing Integration Results

RT: 5.65
Area: 11347680
Amount: 17.751432
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 11486359
Amount: 17.968371
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:09:32
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

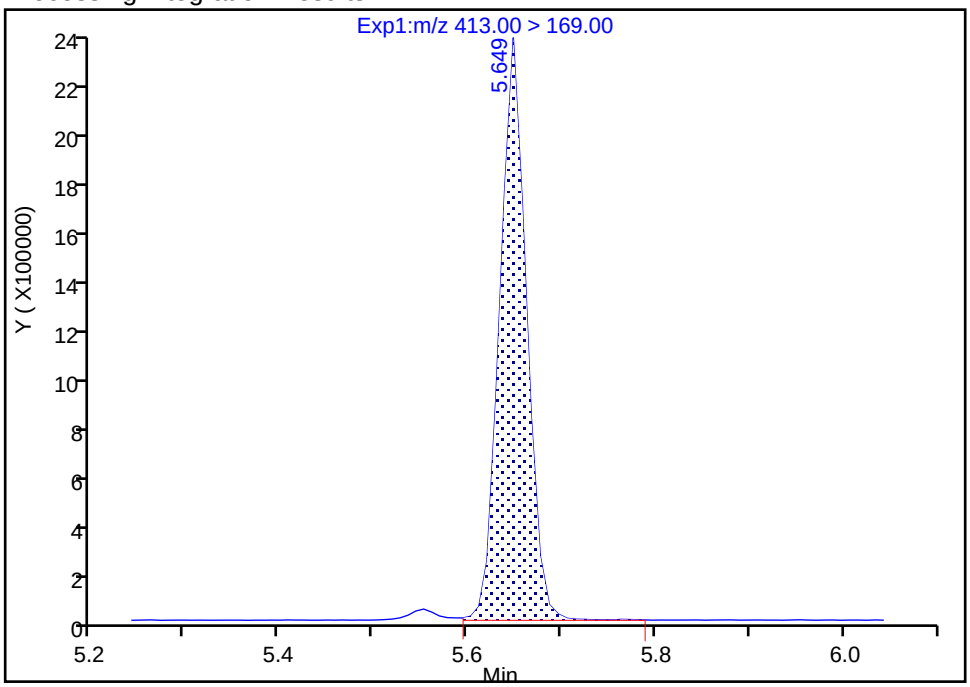
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-28.d				
Injection Date:	22-Jul-2021 05:37:38	Instrument ID:	30733		
Lims ID:	460-239002-A-4-B MS				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	25	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

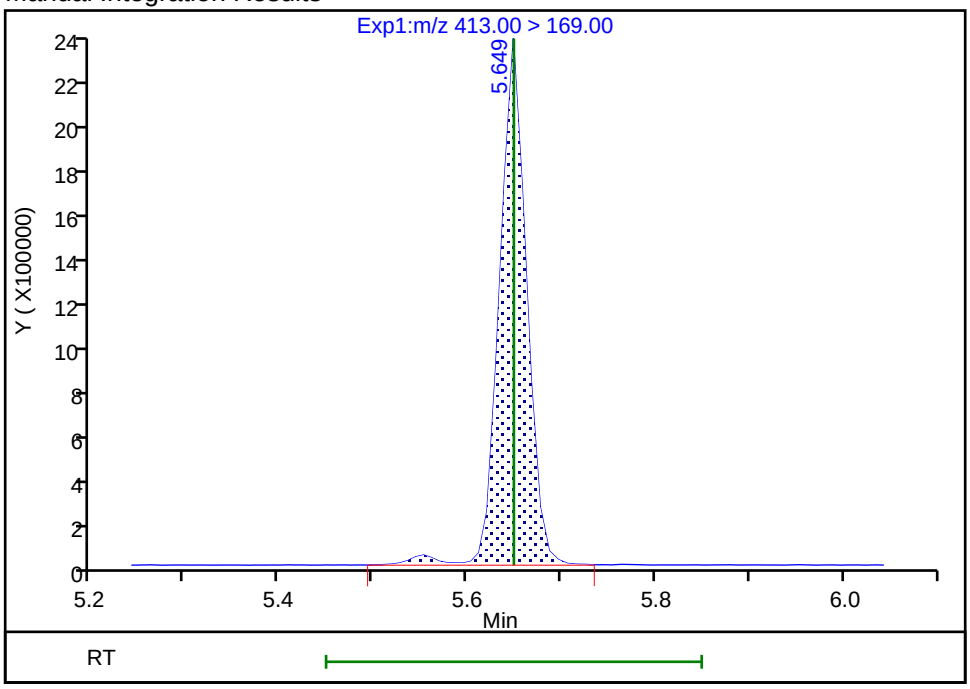
Processing Integration Results

RT: 5.65
Area: 4602007
Amount: 17.751432
Amount Units: ng/ml



Manual Integration Results

RT: 5.65
Area: 4693182
Amount: 17.968371
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:10:28

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

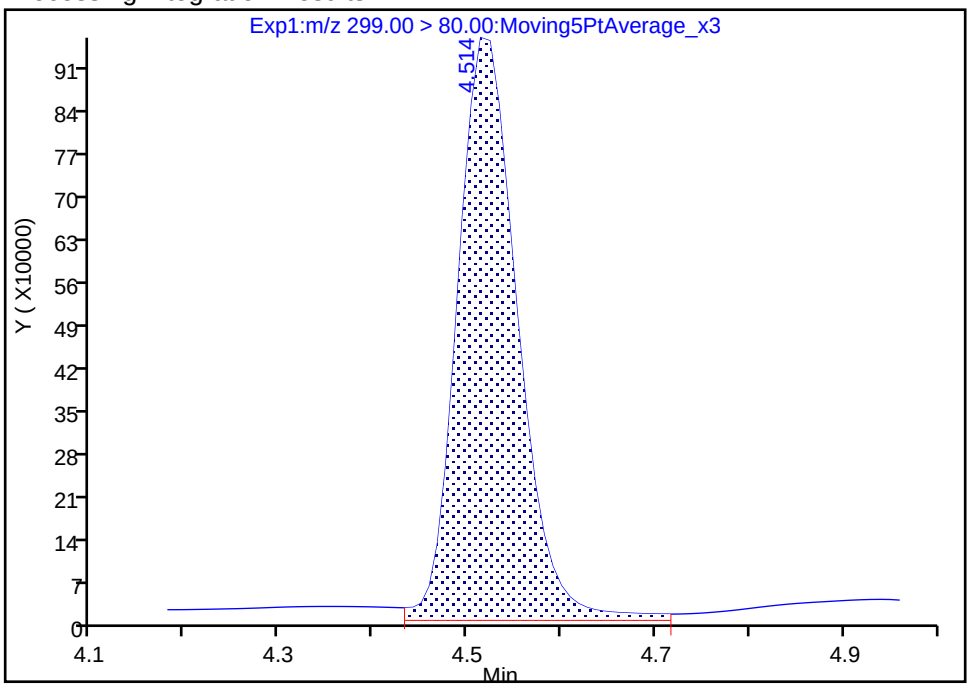
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-28.d				
Injection Date:	22-Jul-2021 05:37:38	Instrument ID:	30733		
Lims ID:	460-239002-A-4-B MS				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	25	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

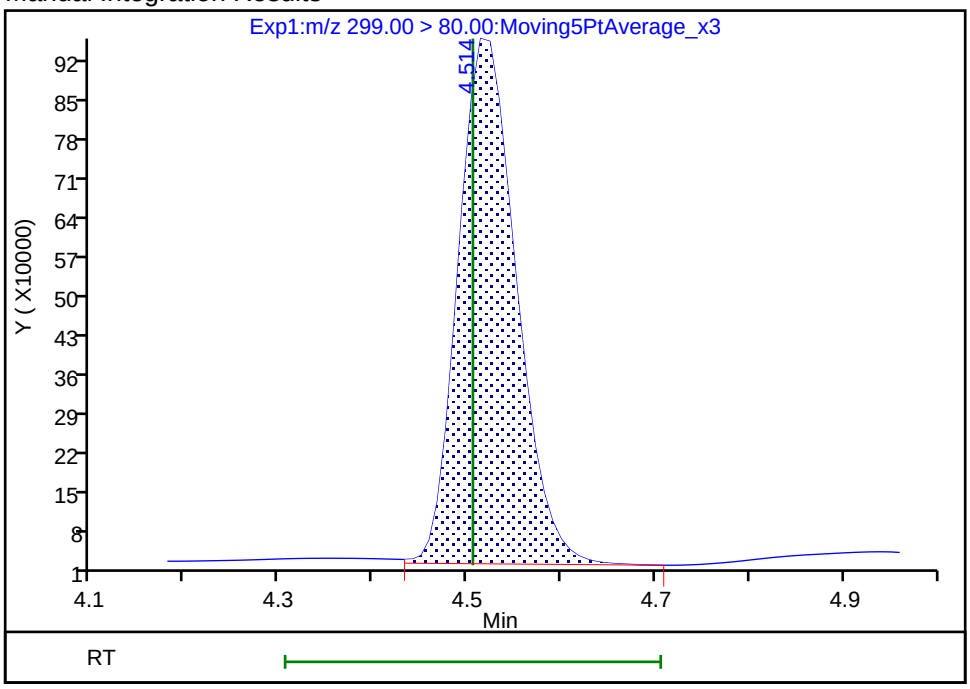
Processing Integration Results

RT: 4.51
Area: 4248607
Amount: 8.316903
Amount Units: ng/ml



Manual Integration Results

RT: 4.51
Area: 4043190
Amount: 7.914787
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:07:03

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-6 MSD Lab Sample ID: 460-239002-4 MSD

Matrix: Water Lab File ID: 21JUL21-29.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 09:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 279.8(mL) Date Analyzed: 07/22/2021 05:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
307-24-4	Perfluorohexanoic acid	64.99		1.79	0.45
375-85-9	Perfluoroheptanoic acid	38.68		1.79	0.45
335-67-1	Perfluorooctanoic acid	66.85		1.79	0.45
375-95-1	Perfluorononanoic acid	35.64		1.79	0.45
335-76-2	Perfluorodecanoic acid	27.81		1.79	0.45
72629-94-8	Perfluorotridecanoic acid	23.81		1.79	0.45
376-06-7	Perfluorotetradecanoic acid	26.03		1.79	0.45
375-73-5	Perfluorobutanesulfonic acid	28.46		1.79	0.45
355-46-4	Perfluorohexanesulfonic acid	29.22		1.79	0.45
1763-23-1	Perfluorooctanesulfonic acid	51.08		1.79	0.45
2991-50-6	NEtFOSAA	21.23		2.68	0.45
2355-31-9	NMeFOSAA	25.27		1.79	0.54
375-92-8	Perfluoroheptanesulfonic acid	26.55		1.79	0.45
335-77-3	Perfluorodecanesulfonic acid	23.33		1.79	0.45
754-91-6	Perfluorooctanesulfonamide	26.11		1.79	0.45
375-22-4	Perfluorobutanoic acid	39.34		4.47	1.79
2058-94-8	Perfluoroundecanoic acid	25.93		1.79	0.45
307-55-1	Perfluorododecanoic acid	25.36		1.79	0.45
27619-97-2	6:2 Fluorotelomer sulfonic acid	21.55		4.47	1.79
39108-34-4	8:2 Fluorotelomer sulfonic acid	24.27		2.68	0.89
2706-90-3	Perfluoropentanoic acid	69.96		1.79	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 460-239002-1

SDG No.:

Client Sample ID: MW-6 MSD Lab Sample ID: 460-239002-4 MSD

Matrix: Water Lab File ID: 21JUL21-29.d

Analysis Method: 537 IDA Date Collected: 07/16/2021 09:20

Extraction Method: 537 IDA Date Extracted: 07/20/2021 17:11

Sample wt/vol: 279.8(mL) Date Analyzed: 07/22/2021 05:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 151245 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02280	M2-8:2 FTS	119		34-182
STL02279	M2-6:2 FTS	128		29-189
STL02577	13C5 PFHxA	78		31-142
STL01892	13C4 PFHpA	87		30-144
STL01052	13C8 PFOA	79		49-127
STL02578	13C9 PFNA	92		47-136
STL02579	13C6 PFDA	88		47-128
STL02580	13C7 PFUnA	98		40-135
STL02703	13C2-PFDoDA	88		28-136
STL02116	13C2 PFTeDA	74		10-144
STL02337	13C3 PFBS	97		19-178
STL02581	13C3 PFHxS	79		32-145
STL01054	13C8 PFOS	85		49-126
STL02118	d3-NMeFOSAA	74		32-151
STL02117	d5-NEtFOSAA	113		37-164
STL01056	13C8 FOSA	68		10-143
STL00992	13C4 PFBA	87		41-132
STL01893	13C5 PFPeA	99		33-155

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d
Lims ID: 460-239002-A-4-C MSD
Client ID: MW-6
Sample Type: MSD
Inject. Date: 22-Jul-2021 05:48:43 ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-239002-A-4-C MSD
Misc. Info.: Plate: 1 Rack: 1 410-0034909-029
Operator ID: US19_USR_INS20260 Instrument ID: 30733

Method: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\PFAS_30733_XList_2.m
Limit Group: LC - PFC IDA
Last Update: 23-Jul-2021 17:18:28 Calib Date: 21-Jul-2021 23:54:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30733\20210721-34894.b\21JUL21MCAL-23.d

Column 1 : Det: EXP1
Process Host: CTX1613

First Level Reviewer: fellenbauma Date: 23-Jul-2021 17:15:30
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
107 MTP										
175.00 > 97.00		1.489				ND				
1 PPF Acid										
163.00 > 119.00	1.845	1.822	0.023	0.470	762701	NC		0.0	2971	
96 PFMOAA										
179.00 > 85.00	2.949	2.913	0.036	0.751	9813	NC		0.0	25.6	
D 3 13C4 PFBA										
217.00 > 172.00	3.926	3.924	0.002	1.000	6034826	8.74		87.4	161360	
2 Perfluorobutanoic acid										
213.00 > 169.00	3.918	3.924	-0.006	0.998	5728140	11.0		172	6815	
* 4 13C3-PFBA										
216.00 > 172.00	3.926	3.924	0.002		3071479	5.00			14209	
99 R-EVE										
405.00 > 217.00		3.967				ND				
100 R-PSDA										
441.00 > 241.00		3.967				ND				
105 Hydrolyzed PSDA										
439.00 > 343.00		3.980				ND				
102 PMPA										
229.00 > 185.00	4.052	4.098	-0.046	1.032	22132	NC		0.0	31.5	
5 PFPrS										
249.00 > 99.00	4.111	4.164	-0.053	1.047	8934	NC		0.0	179	
103 NVHOS										
297.00 > 135.00		4.201				ND				
6 PFECA F										
229.00 > 85.00	4.163	4.220	-0.057	1.061	8125	NC		0.0	679	
92 PFO2HxA										
245.00 > 85.00	4.346	4.408	-0.062	1.107	1509	NC		0.0	60.8	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
7 Perfluoropentanoic acid										M
263.00 > 219.00	4.463	4.452	0.011	1.000	11640548	19.6		306	5412	M
D 8 13C5 PFPeA										
268.00 > 223.00	4.463	4.461	0.003	1.137	6295090	9.86		98.6	95918	
10 Perfluorobutanesulfonic acid										M
299.00 > 80.00	4.518	4.506	0.012	1.000	4275663	7.96	Target=3.13	141	1724	M
299.00 > 99.00	4.518	4.506	0.012	1.000	1424832		3.00(1.57-4.70)		4121	
D 11 13C3 PFBS										
302.00 > 80.00	4.518	4.515	0.003	1.151	4853348	9.04		97.3	8795	
9 3:3 FTCA										
241.00 > 177.00		4.528				ND				
91 PEPA										
279.00 > 235.00	4.648	4.634	0.014	1.184	323558	NC		0.0	29.0	
12 PFECA A										
279.00 > 85.00	4.585	4.660	-0.075	1.015	3100	NC		0.0	24.9	
13 PES										
315.00 > 135.00		4.753				ND				
15 4:2 FTS										
327.00 > 307.00	4.844	4.832	0.012	1.000	1423777	5.76	Target=1.61	96.3	46355	
327.00 > 81.00	4.844	4.832	0.012	1.000	803063		1.77(0.81-2.42)		1998	
D 16 M2-4:2 FTS										
329.00 > 81.00	4.844	4.842	0.002	0.859	688246	13.5		145	2680	
17 Perfluorohexanoic acid										M
313.00 > 269.00	4.883	4.871	0.012	1.000	11188765	18.2	Target=14.88	284	4793	M
313.00 > 119.00	4.883	4.871	0.012	1.000	760120		14.72(7.44-22.32)		10760	
D 19 13C5 PFHxA										
318.00 > 273.00	4.883	4.881	0.002	0.865	8152607	7.82		78.2	139625	
$ 18 13C2 PFHxA										
315.00 > 270.00	4.883	4.881	0.002	0.865	9461	0.0117			363	
14 PFECA B										
201.00 > 85.00		4.882				ND				
295.00 > 201.00		4.882								
20 Perfluoropentanesulfonic acid										
349.00 > 80.00	4.902	4.890	0.012	1.085	3608931	7.24	Target=3.52	121	5008	
349.00 > 99.00	4.902	4.890	0.012	1.085	1030732		3.50(1.76-5.28)		9633	
93 PFO3OA										
311.00 > 85.00		5.008				ND				
D 22 13C3 HFPO-DA										
332.00 > 287.00	5.012	5.010	0.002	0.888	640678	6.67		66.7	30768	
21 HFPO-DA										
329.00 > 285.00	5.012	5.010	0.002	1.000	1621436	8.09		126	2250	
D 25 13C3 PFHxS										
402.00 > 80.00	5.276	5.274	0.002	0.935	5469149	7.44		78.6	40570	
D 24 13C4 PFHpA										
367.00 > 322.00	5.276	5.274	0.002	0.935	9302618	8.70		87.0	284477	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
23 Perfluoroheptanoic acid										
363.00 > 319.00	5.276	5.274	0.002	1.000	10397355	10.8	Target=3.85	169	8153	
363.00 > 169.00	5.266	5.274	-0.008	0.998	2583571		4.02(1.93-5.78)		41666	
26 Perfluorohexanesulfonic acid										
399.00 > 80.00	5.276	5.274	0.002	1.000	4636445	8.18	Target=3.51	140	100434	
399.00 > 99.00	5.276	5.274	0.002	1.000	1269972		3.65(1.75-5.26)		540345	
97 Hydro-EVE Acid										
427.00 > 283.00		5.302				ND				
94 R-PSDCA										
397.00 > 217.00		5.305				ND				
27 DONA										
377.00 > 251.00	5.319	5.317	0.002	1.008	7572989	6.09		101	78779	
106 Hydro-PS Acid										
463.00 > 263.00		5.320				ND				
98 PFECA G										
379.00 > 185.00		5.410				ND				
28 5:3 FTCA										
341.00 > 237.00		5.428				ND				
339.00 > 295.00		5.428								
29 6:2 FTUCA										
357.00 > 293.00	5.377	5.447	-0.070	1.000	8037	NC		0.0	34.5	
D 30 13C-6:2 FTUCA										
359.00 > 294.00	5.377	5.450	-0.073	0.953	4104408	NC		0.0	124262	
32 6:2 FTCA										
377.00 > 293.00		5.467				ND				
D 31 13C-6:2 FTCA										
379.00 > 294.00	5.394	5.468	-0.074	0.956	629488	NC		0.0	19694	
95 PFO4DA										
377.00 > 85.00	5.531	5.523	0.008	1.409	835	NC		0.0	0.6	
104 PS Acid										
443.00 > 147.00		5.565				ND				
90 EVE Acid										
407.00 > 263.00		5.583				ND				
D 35 M2-6:2 FTS										
429.00 > 81.00	5.623	5.621	0.002	0.997	344610	12.2		128	7389	
34 6:2 FTS										
427.00 > 407.00	5.623	5.621	0.002	1.000	1030076	6.03	Target=1.43	99.4	49370	
427.00 > 81.00	5.623	5.621	0.002	1.000	804699		1.28(0.72-2.15)		5921	
36 Perfluoroheptanesulfonic acid										
449.00 > 80.00	5.632	5.630	0.002	1.068	3830693	7.43	Target=3.86	122	11755	
449.00 > 99.00	5.623	5.630	-0.007	1.066	986572		3.88(1.93-5.79)		26532	
D 37 13C8 PFOA										
421.00 > 376.00	5.642	5.640	0.002	1.000	9208257	7.94		79.4	215252	
$ 39 13C4 PFOA										
417.00 > 372.00	5.642	5.640	0.002	1.000	105276	0.0983			6104	
* 38 13C2 PFOA										
415.00 > 370.00	5.642	5.640	0.002		4246079	5.00			165381	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
40 Perfluorooctanoic acid										M
413.00 > 369.00	5.642	5.649	-0.007	1.000	12871437	18.7	Target=2.48	292	160294	M
413.00 > 169.00	5.642	5.649	-0.007	1.000	5090523		2.53(1.24-3.72)		243972	M
33 PFECHS										R
461.00 > 381.00	5.589	5.659	-0.070	1.059	12641	NC	Target=2.22	0.0	117	R
461.00 > 99.00	5.589	5.659	-0.070	1.059	11807		1.07(1.11-3.33)		253	
101 TAF										
443.00 > 85.00		5.957				ND				
D 41 13C8 PFOS										
507.00 > 80.00	5.967	5.963	0.004	1.000	5172788	8.12		85.0	28224	
43 Perfluorooctanesulfonic acid										
499.00 > 80.00	5.967	5.963	0.004	1.000	8452083	14.3	Target=4.45	241	606613	
499.00 > 99.00	5.967	5.963	0.004	1.000	1773094		4.77(2.23-6.68)		726923	
* 42 13C4 PFOS										
503.00 > 80.00	5.967	5.963	0.004		2948584	4.78			19581	
D 45 13C9 PFNA										
472.00 > 427.00	5.984	5.981	0.003	1.003	8127128	9.19		91.9	219835	
44 Perfluorononanoic acid										
463.00 > 419.00	5.984	5.981	0.003	1.000	6977617	9.97	Target=4.83	156	25955	
463.00 > 169.00	5.975	5.981	-0.006	0.999	1477683		4.72(2.42-7.25)		44530	
51 9ClFOS										
531.00 > 351.00	6.143	6.139	0.004	1.030	7215030	6.84		115	225183	
46 7:3 FTCA										
441.00 > 337.00		6.158				ND				
47 8:2 FTUCA										
457.00 > 393.00		6.164				ND				
D 48 13C-8:2 FTUCA										
459.00 > 394.00	6.095	6.166	-0.071	0.969	3647080	NC		0.0	169379	
49 8:2 FTCA										
477.00 > 393.00		6.180				ND				
D 50 13C-8:2 FTCA										
479.00 > 394.00	6.115	6.182	-0.067	0.972	410852	NC		0.0	24070	
52 Perfluorononanesulfonic acid										
549.00 > 80.00	6.266	6.263	0.003	1.050	3980319	7.33	Target=4.19	119	33102	
549.00 > 99.00	6.266	6.263	0.003	1.050	930449		4.28(2.09-6.28)		32867	
53 Perfluorodecanoic acid										
513.00 > 469.00	6.292	6.280	0.012	1.000	6714527	7.78	Target=10.20	122	39431	
513.00 > 169.00	6.283	6.280	0.003	0.999	629007		10.67(5.10-15.29)		21684	
D 54 13C6 PFDA										
519.00 > 474.00	6.292	6.289	0.003	1.000	9886880	8.81		88.1	340985	
D 57 M2-8:2 FTS										
529.00 > 81.00	6.292	6.289	0.003	1.000	218838	11.4		119	10540	
56 8:2 FTS										
527.00 > 507.00	6.292	6.289	0.003	1.000	1089688	6.79	Target=1.44	111	52235	
527.00 > 81.00	6.283	6.289	-0.006	0.999	700830		1.55(0.72-2.16)		16678	
* 55 13C2 PFDA										
515.00 > 470.00	6.292	6.289	0.003		5902103	5.00			205066	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 59 13C8 FOSA										
506.00 > 78.00	6.390	6.375	0.015	1.015	7529650	6.79		67.9	115970	
58 Perfluorooctanesulfonamide										
498.00 > 78.00	6.379	6.375	0.004	0.998	5445824	7.31		114	129160	
D 61 d3-NMeFOSAA										
573.00 > 419.00	6.442	6.429	0.014	1.024	1515585	7.44		74.4	64128	
60 NMeFOSAA										M
570.00 > 419.00	6.442	6.439	0.003	1.000	957038	7.07	Target=1.62	110	61997	M
570.00 > 483.00	6.442	6.439	0.003	1.000	570120		1.68(0.81-2.44)		215622	
62 Perfluorodecanesulfonic acid										
599.00 > 80.00	6.524	6.521	0.003	1.093	3978812	6.53	Target=4.24	106	22725	
599.00 > 99.00	6.524	6.521	0.003	1.093	942961		4.22(2.12-6.36)		33040	
63 Perfluoroundecanoic acid										
563.00 > 519.00	6.559	6.544	0.015	1.000	6246368	7.26	Target=8.77	113	32892	
563.00 > 169.00	6.559	6.544	0.015	1.000	681231		9.17(4.39-13.16)		22482	
$ 64 13C2 PFUnA										
565.00 > 520.00	6.559	6.556	0.003	1.163	12362	0.0125			842	
D 65 13C7 PFUnA										
570.00 > 525.00	6.559	6.556	0.003	1.042	10422913	9.75		97.5	297434	
D 66 d5-NEtFOSAA										
589.00 > 419.00	6.582	6.567	0.015	1.046	1778808	11.3		113	26943	
67 NEtFOSAA										
584.00 > 419.00	6.582	6.579	0.003	1.000	1010136	5.94	Target=1.47	92.8	440762	
584.00 > 526.00	6.582	6.579	0.003	1.000	714736		1.41(0.74-2.21)		1501	
69 11ClFOS										
631.00 > 451.00	6.662	6.658	0.004	1.116	5711811	6.74		113	169434	
68 10:2 FTUCA										
557.00 > 493.00	6.662	6.738	-0.076	1.000	2426	NC		0.0	43.5	
D 70 13C-10:2 FTUCA										
559.00 > 494.00	6.662	6.741	-0.079	1.059	4234837	NC		0.0	176456	
71 10:2 FTCA										
577.00 > 493.00		6.753				ND				
D 72 13C-10:2 FTCA										
579.00 > 494.00	6.672	6.758	-0.086	1.060	401072	NC		0.0	27278	
D 74 13C2-PFDoDA										
615.00 > 570.00	6.799	6.784	0.015	1.081	7169439	8.75		87.5	211297	
73 Perfluorododecanoic acid										
613.00 > 569.00	6.799	6.784	0.015	1.000	5099860	7.10	Target=5.09	111	57477	
613.00 > 169.00	6.787	6.784	0.003	0.998	915619		5.57(2.54-7.63)		46586	
D 76 d7-N-MeFOSE-M										
623.00 > 59.00	6.821	6.807	0.014	1.084	1363227	6.32		63.2	4618	
77 N-MeFOSE-M										
616.00 > 59.00	6.821	6.807	0.014	1.000	928217	6.48		101	8968	
75 10:2 FTS										
627.00 > 607.00	6.811	6.807	0.004	1.082	594914	5.17	Target=0.84	83.8	41725	
627.00 > 81.00	6.811	6.807	0.004	1.082	659567		0.90(0.42-1.26)		27193	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 79 d3-NMePFOSA										
515.00 > 169.00	6.831	6.828	0.003	1.086	282337	2.05		20.5	7600	
78 NMeFOSA										
512.00 > 169.00	6.831	6.828	0.003	1.000	197564	7.00		109	6001	
80 PFDoS										
699.00 > 80.00	6.967	6.956	0.011	1.168	3882472	6.72		108	83497	
D 81 d9-N-EtFOSE-M										
639.00 > 59.00	6.977	6.965	0.012	1.109	1431983	6.11		61.1	7590	
82 N-EtFOSE-M										
630.00 > 59.00	6.986	6.975	0.011	1.001	987484	6.32		98.8	16222	
D 83 d5-NEtPFOSA										
531.00 > 169.00	6.995	6.984	0.011	1.112	290696	2.20		22.0	8262	
84 N-EtFOSA-M										
526.00 > 169.00	6.995	6.993	0.002	1.000	189851	6.11		95.4	4251	
85 Perfluorotridecanoic acid										
663.00 > 619.00	6.995	6.993	0.002	1.029	3777271	6.66	Target=4.59	104	47583	
663.00 > 169.00	6.995	6.993	0.002	1.029	840900		4.49(2.29-6.88)		38626	
D 87 13C2 PFTeDA										
715.00 > 670.00	7.183	7.172	0.011	1.142	6387846	7.37		73.7	219250	
86 Perfluorotetradecanoic acid										
713.00 > 669.00	7.183	7.172	0.011	1.000	3921334	7.28	Target=5.25	114	15961	
713.00 > 169.00	7.174	7.172	0.002	0.999	745442		5.26(2.62-7.87)		29588	
88 Perfluorohexadecanoic acid										
813.00 > 769.00	7.468	7.467	0.001	1.040	4473826	6.51	Target=8.75	102	16271	
813.00 > 169.00	7.468	7.467	0.001	1.040	523719		8.54(4.38-13.13)		24227	
89 Perfluorooctadecanoic acid										
913.00 > 869.00	7.702	7.701	0.001	1.072	2342293	5.69	Target=8.07	88.9	42403	
913.00 > 169.00	7.702	7.701	0.001	1.072	292496		8.01(4.04-12.11)		22589	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- R - Failed Signal Ratio Test

Review Flags
- M - Manually Integrated

Reagents:

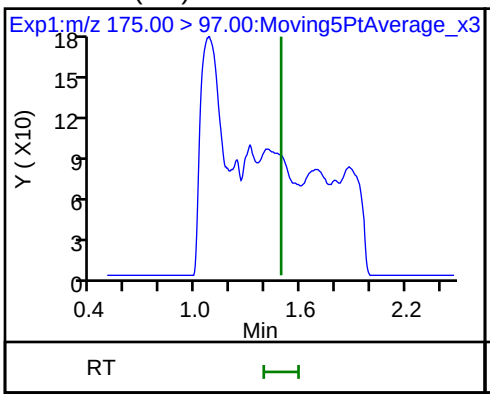
PFC_IS_MOD_00161 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 23-Jul-2021 17:18:58 Chrom Revision: 2.3 07-Jul-2021 15:06:26

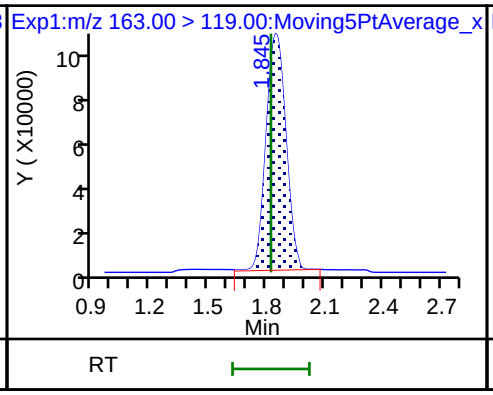
Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d
Injection Date: 22-Jul-2021 05:48:43 Instrument ID: 30733
Lims ID: 460-239002-A-4-C MSD
Client ID: MW-6
Operator ID: US19_USR_INS20260 ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: PFAS_30733_XList_2 Limit Group: LC - PFC IDA

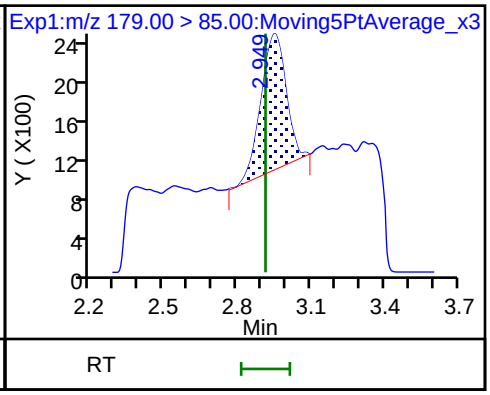
107 MTP (ND)



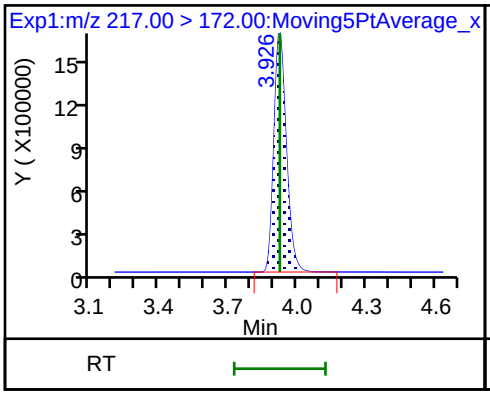
1 PPF Acid



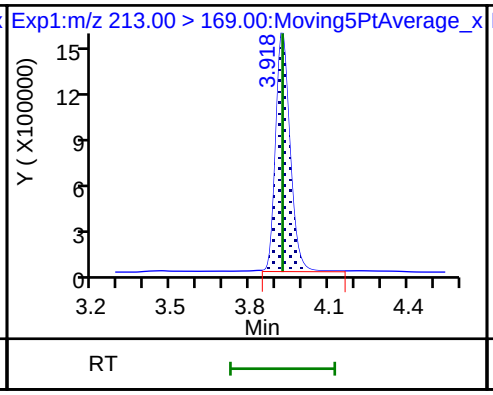
96 PFMOAA



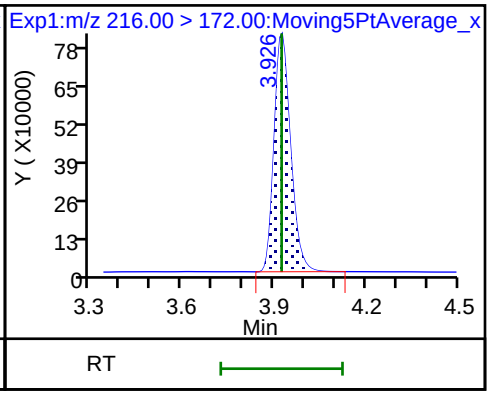
D 3 13C4 PFBA



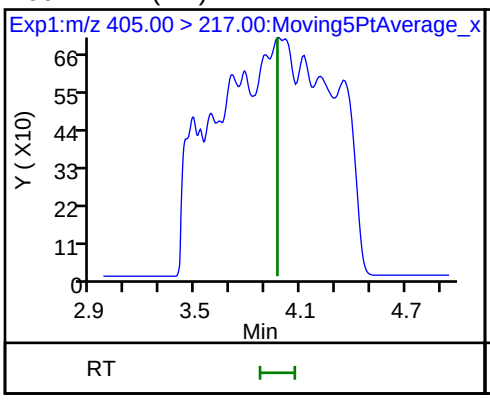
2 Perfluorobutanoic acid



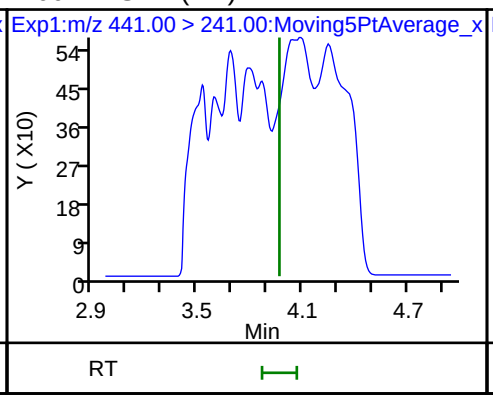
* 4 13C3-PFBA



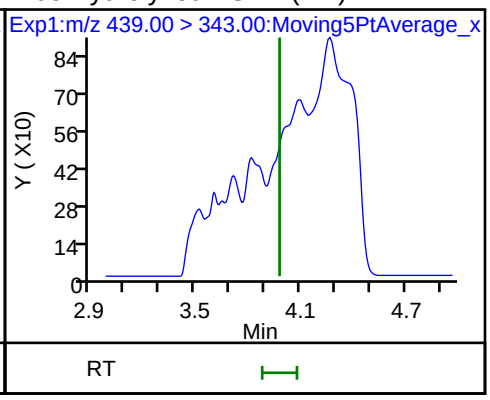
99 R-EVE (ND)



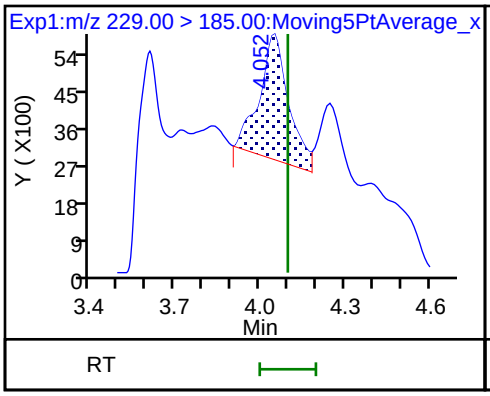
100 R-PSDA (ND)



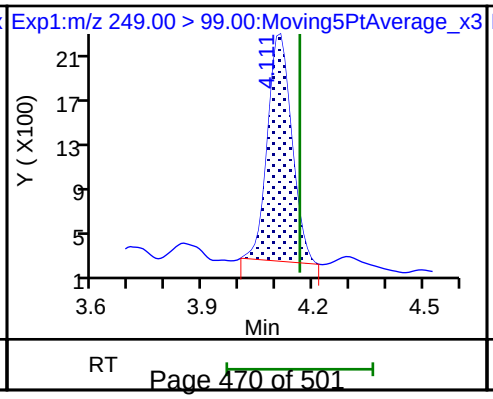
105 Hydrolyzed PSDA (ND)



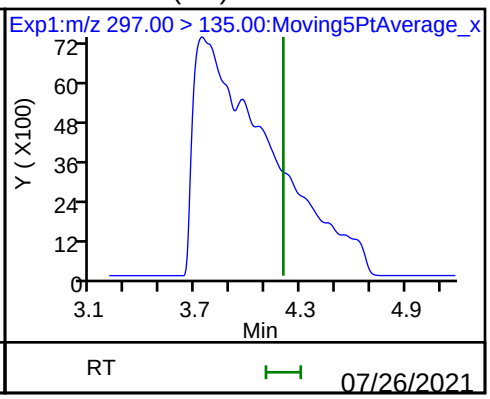
102 PMPA



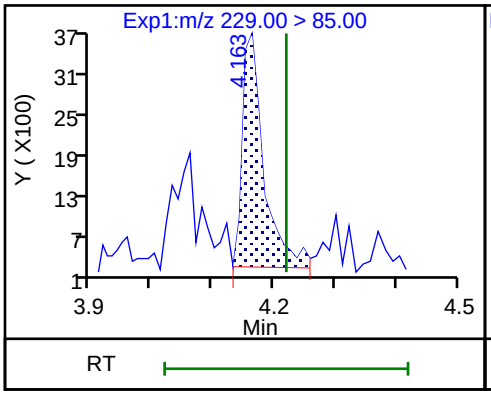
5 PFPrS



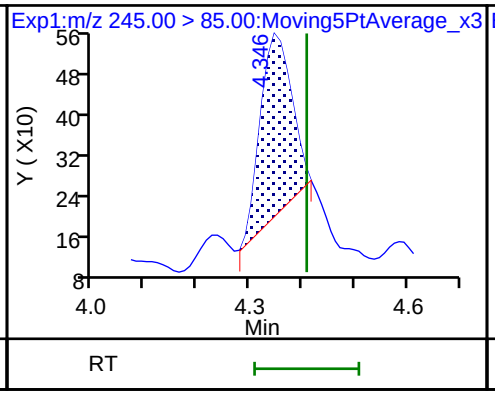
103 NVHOS (ND)



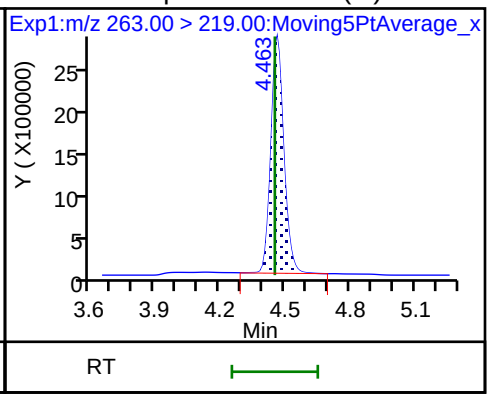
6 PFECA F



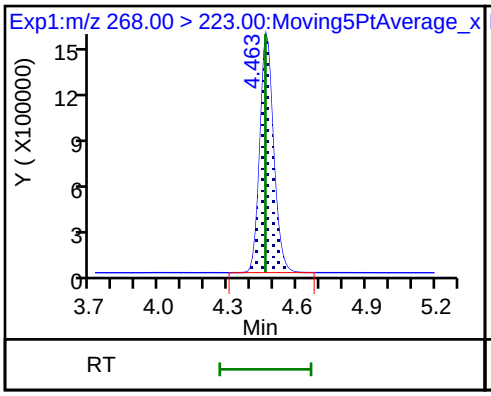
92 PFO2HxA



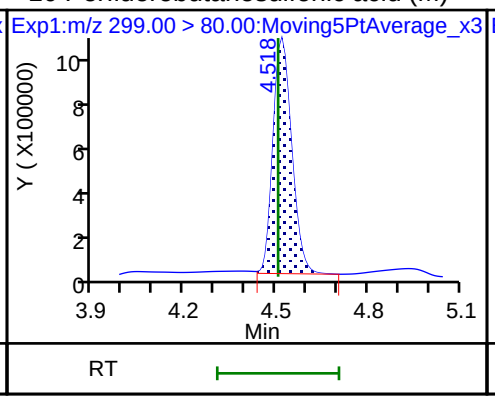
7 Perfluoropentanoic acid (M)



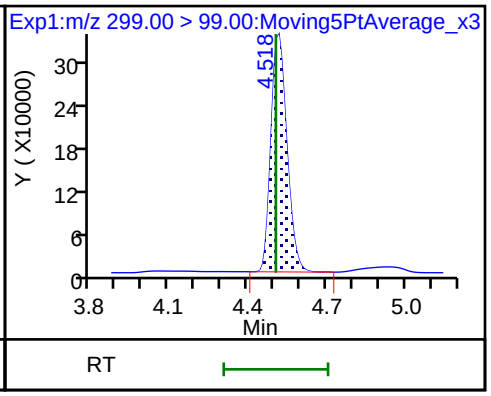
D 8 13C5 PFPeA



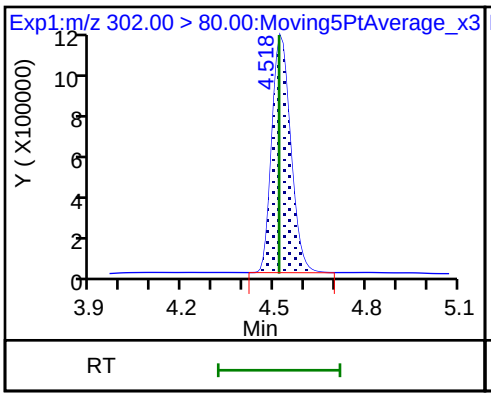
10 Perfluorobutanesulfonic acid (M)



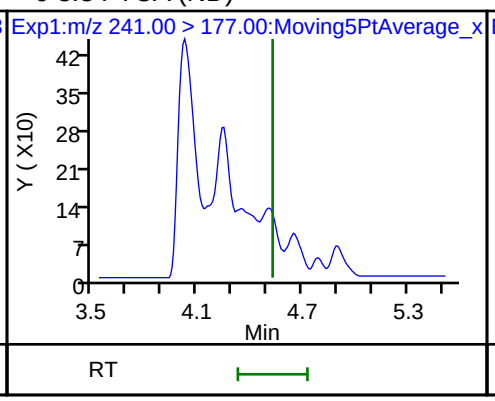
10 Perfluorobutanesulfonic acid



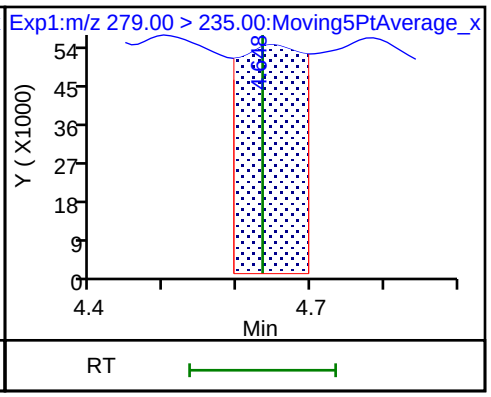
D 11 13C3 PFBS



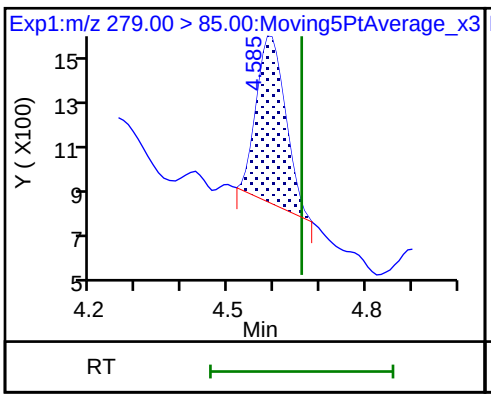
9 3:3 FTCA (ND)



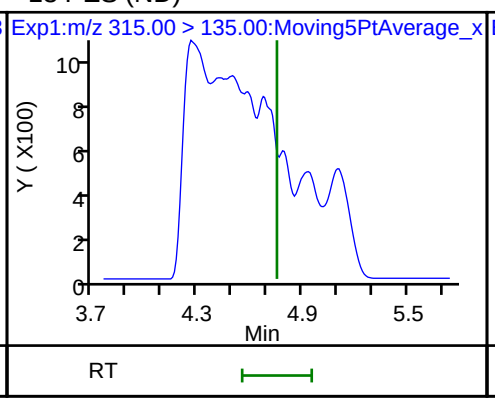
91 PEPA



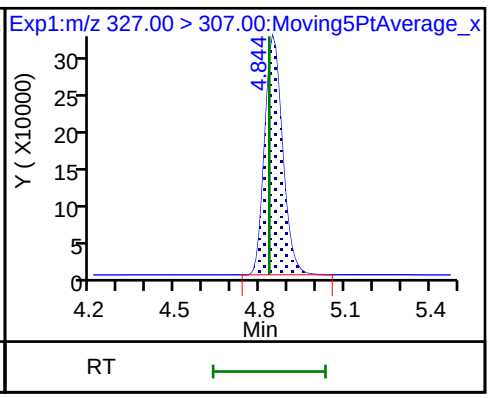
12 PFECA A



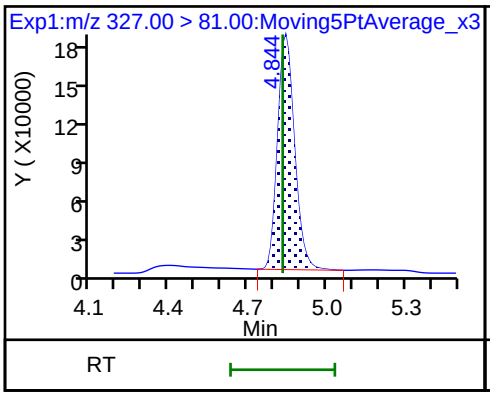
13 PES (ND)



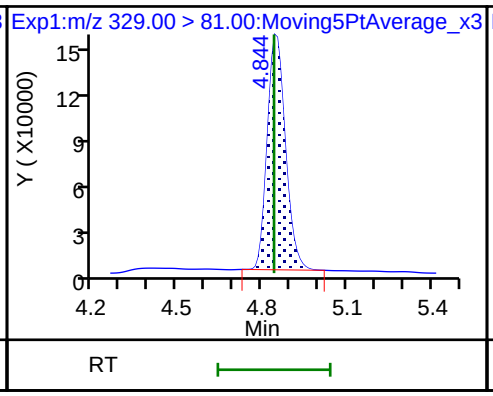
15 4:2 FTS



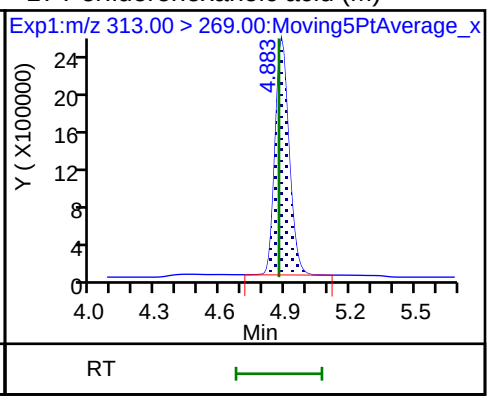
15 4:2 FTS



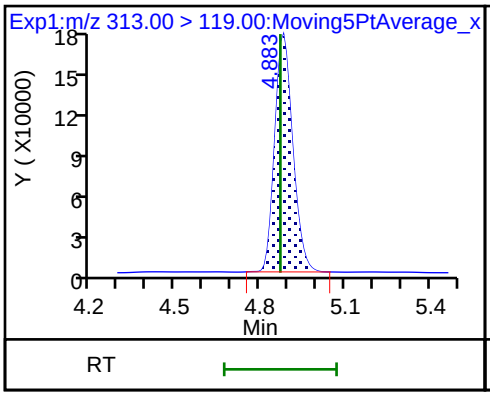
D 16 M2-4:2 FTS



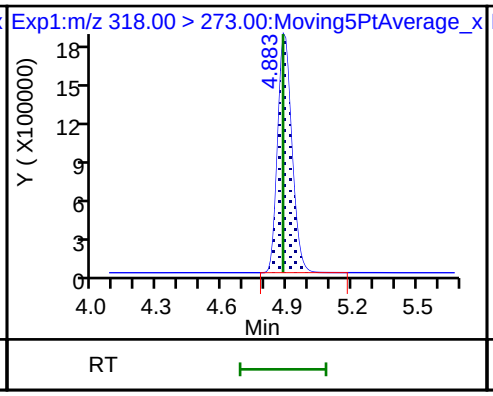
17 Perfluorohexanoic acid (M)



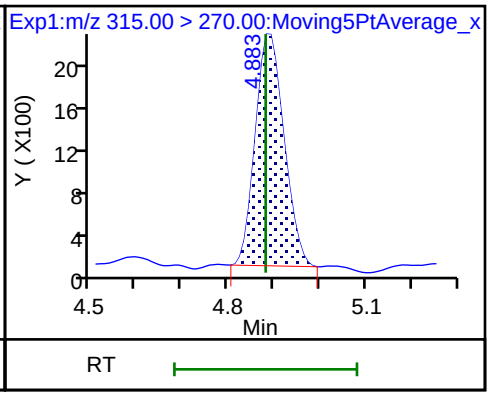
17 Perfluorohexanoic acid



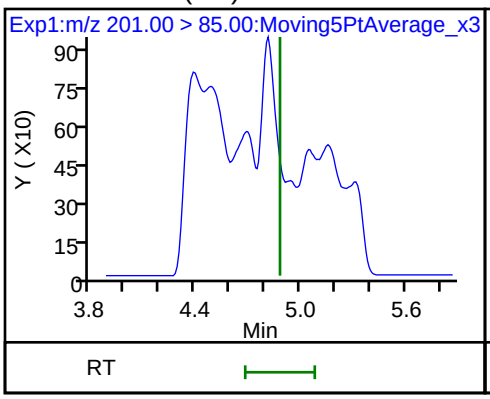
D 19 13C5 PFHxA



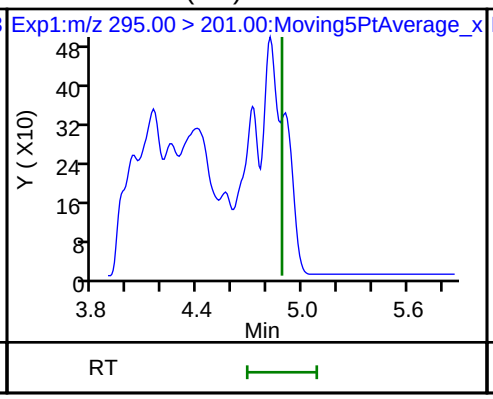
$ 18 13C2 PFHxA



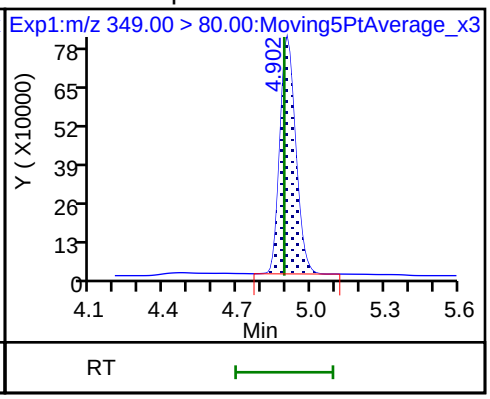
14 PFECA B (ND)



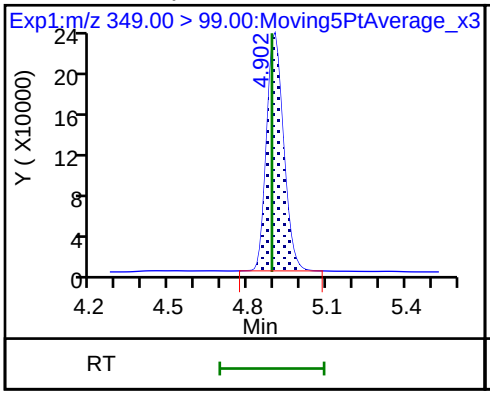
14 PFECA B (ND)



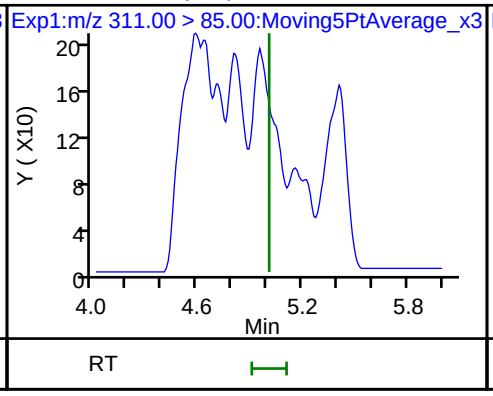
20 Perfluoropentanesulfonic acid



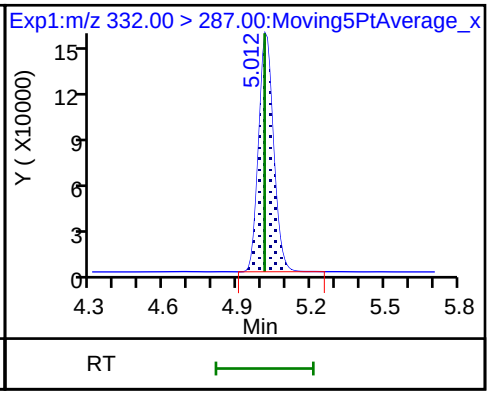
20 Perfluoropentanesulfonic acid



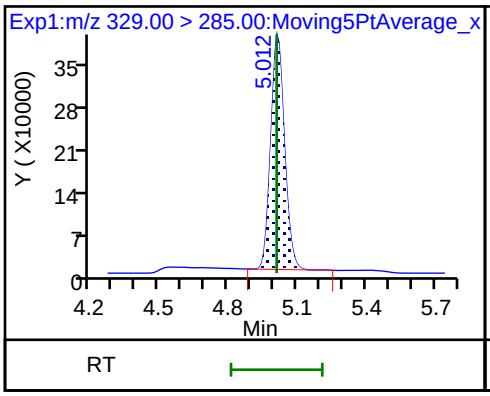
93 PFO3OA (ND)



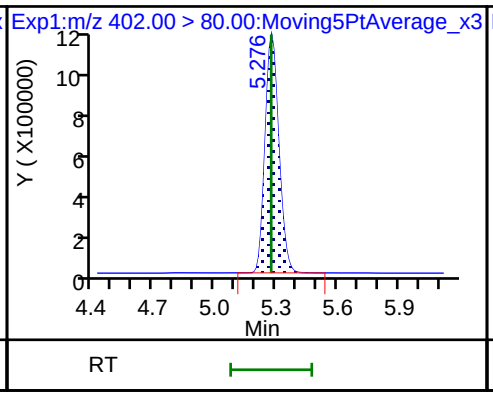
D 22 13C3 HFPO-DA



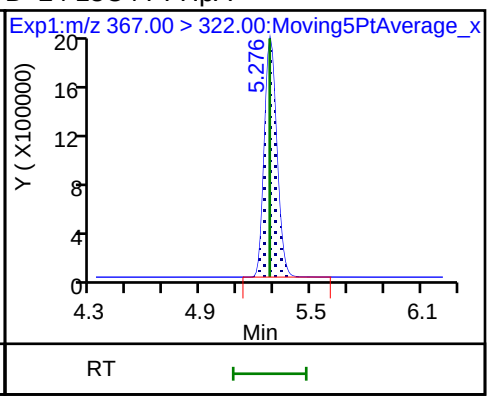
21 HFPO-DA



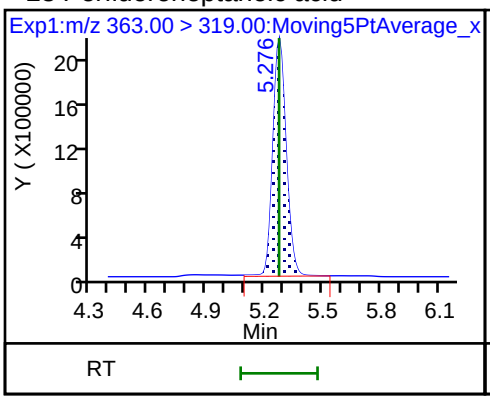
D 25 13C3 PFHxS



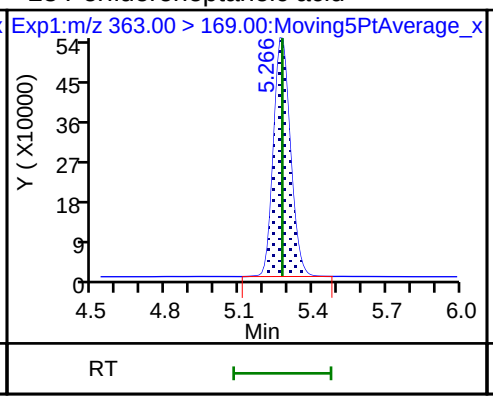
D 24 13C4 PFHpA



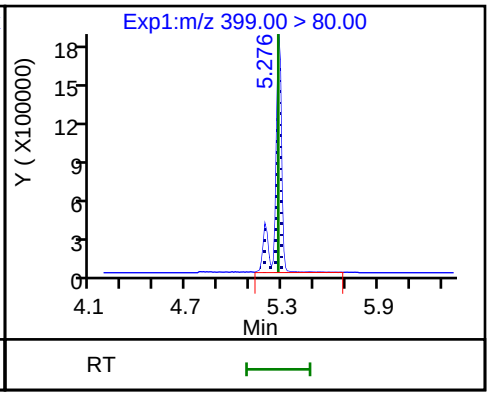
23 Perfluoroheptanoic acid



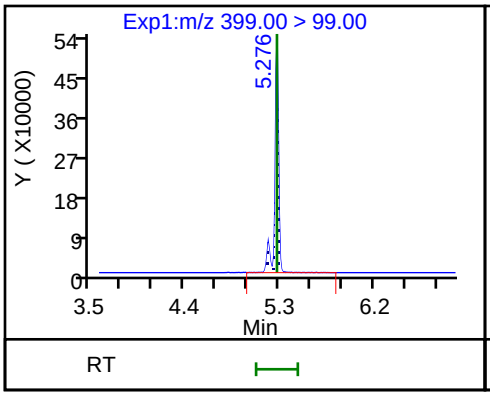
23 Perfluoroheptanoic acid



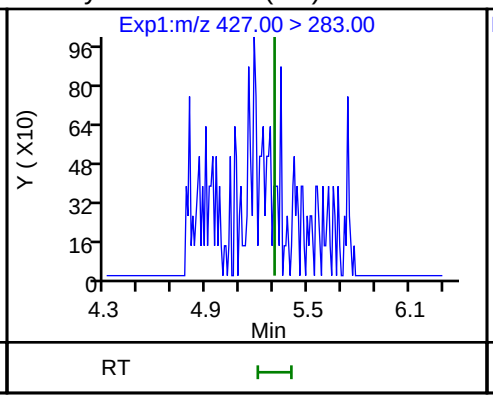
26 Perfluorohexanesulfonic acid



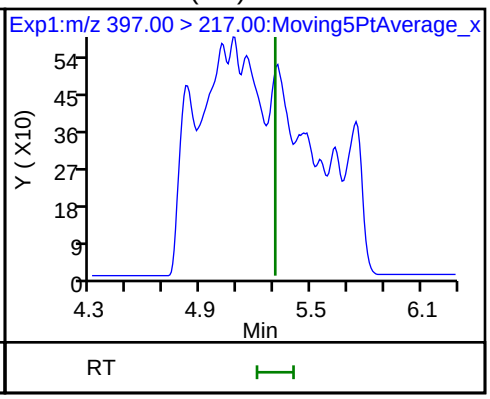
26 Perfluorohexanesulfonic acid



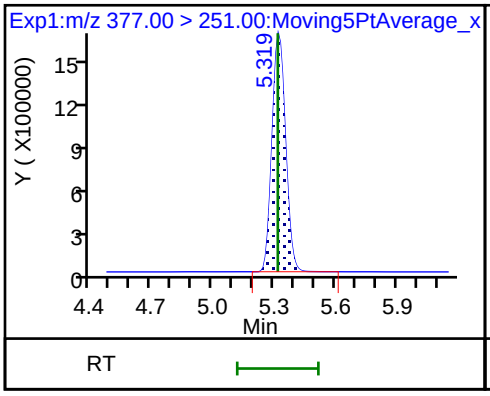
97 Hydro-EVE Acid (ND)



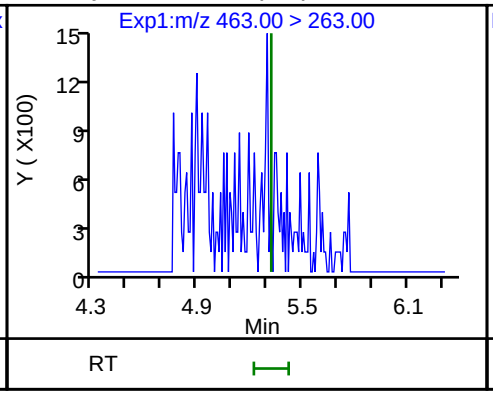
94 R-PSDCA (ND)



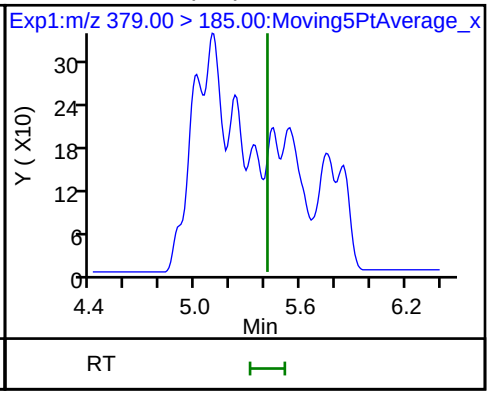
27 DONA



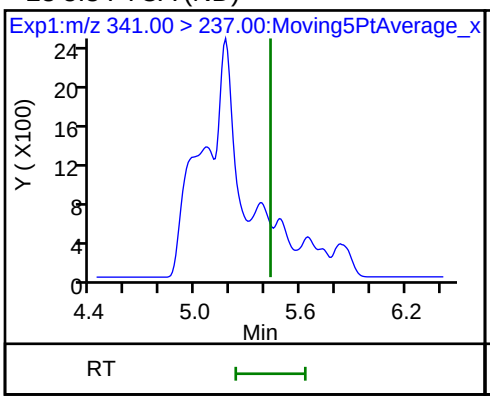
106 Hydro-PS Acid (ND)



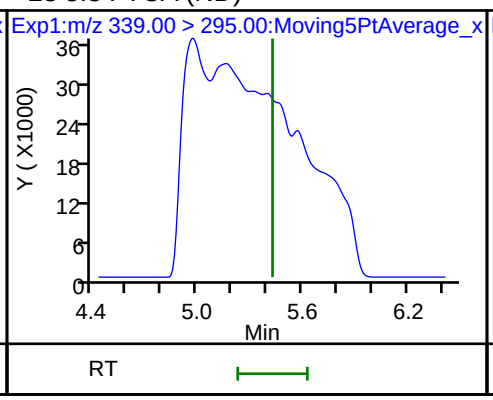
98 PFECA G (ND)



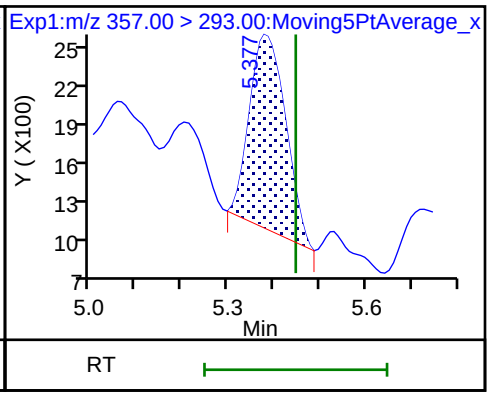
28 5:3 FTCA (ND)



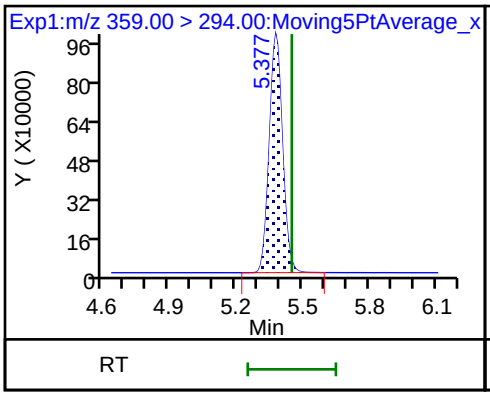
28 5:3 FTCA (ND)



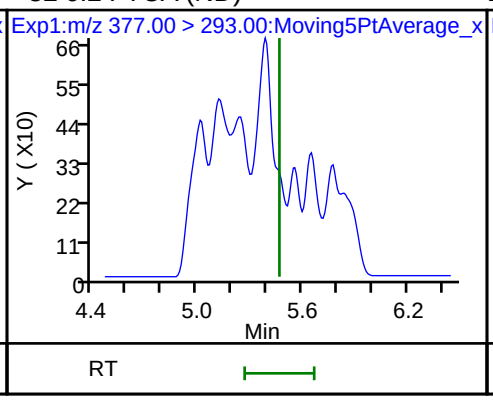
29 6:2 FTUCA



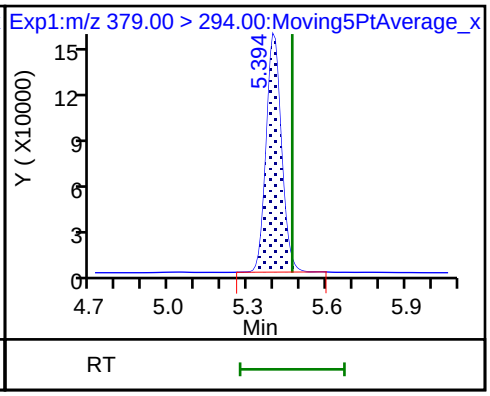
D 30 13C-6:2 FTUCA



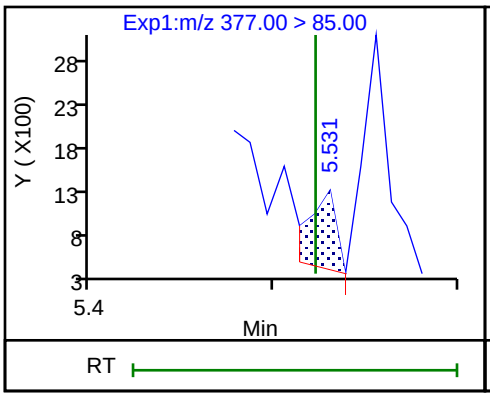
32 6:2 FTCA (ND)



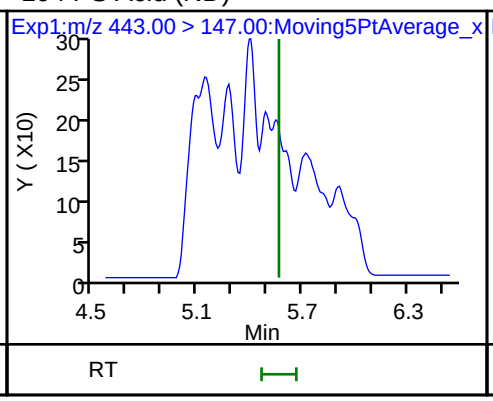
D 31 13C-6:2 FTCA



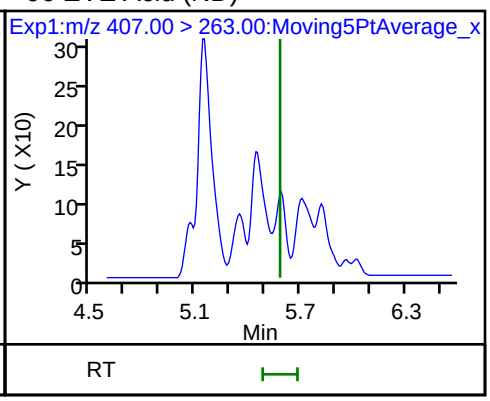
95 PFO4DA



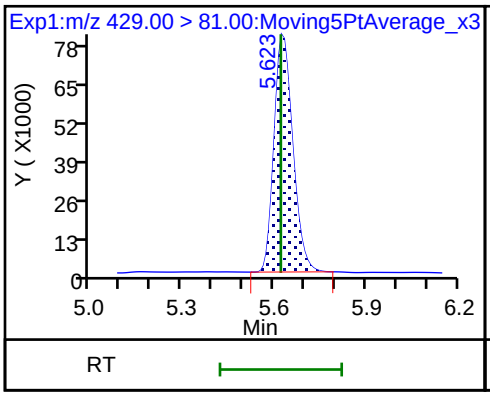
104 PS Acid (ND)



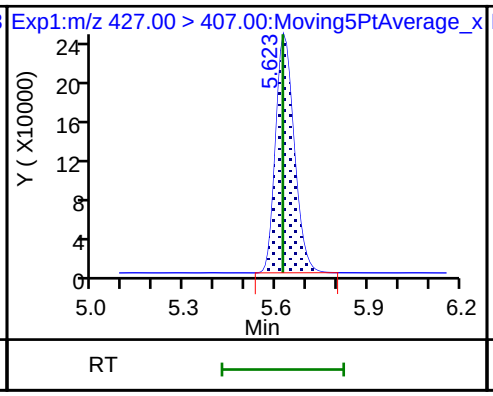
90 EVE Acid (ND)



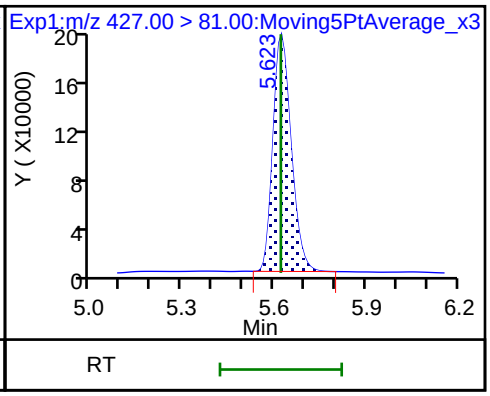
D 35 M2-6:2 FTS



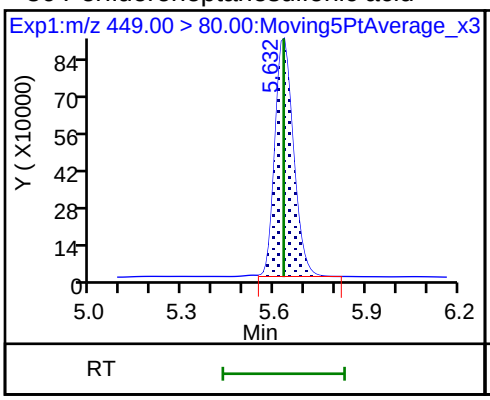
34 6:2 FTS



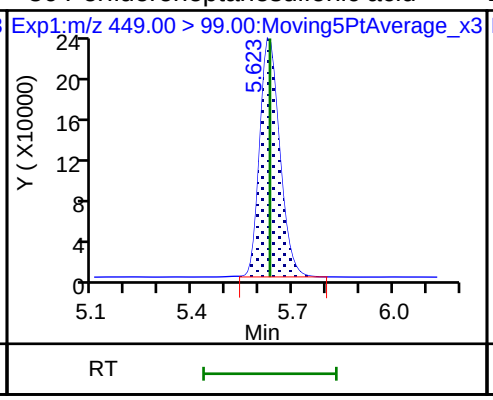
34 6:2 FTS



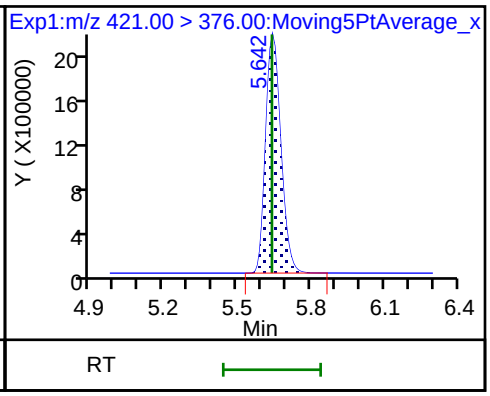
36 Perfluoroheptanesulfonic acid



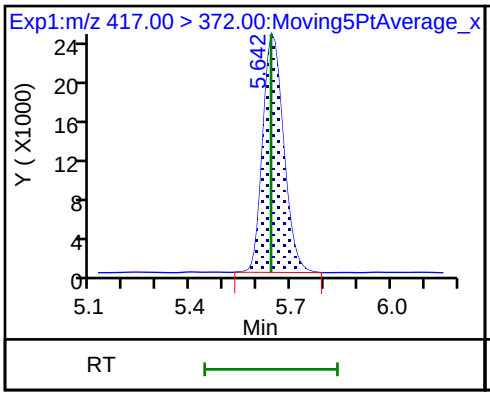
36 Perfluoroheptanesulfonic acid



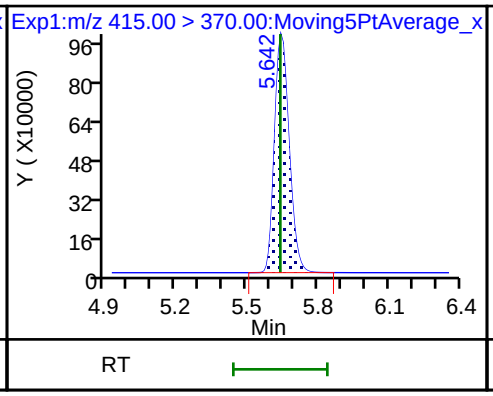
D 37 13C8 PFOA



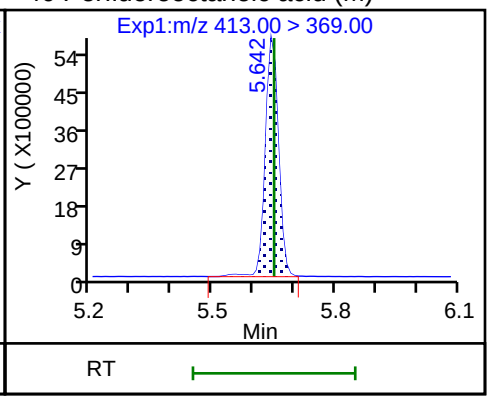
$ 39 13C4 PFOA



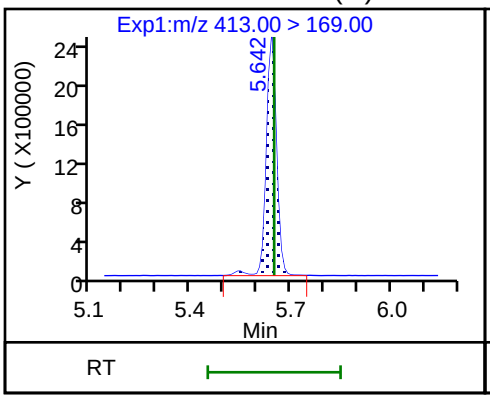
* 38 13C2 PFOA



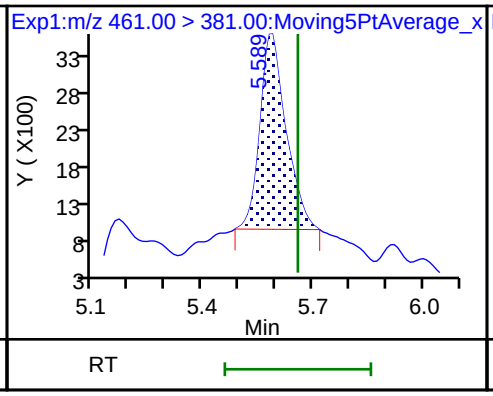
40 Perfluorooctanoic acid (M)



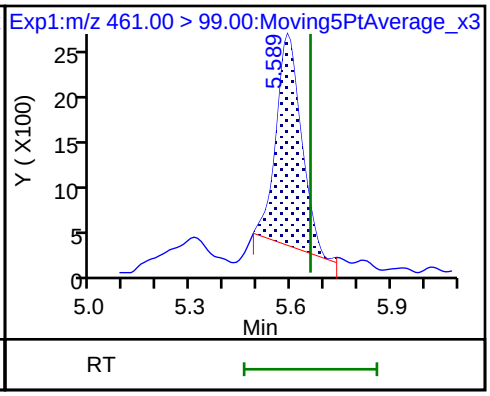
40 Perfluorooctanoic acid (M)



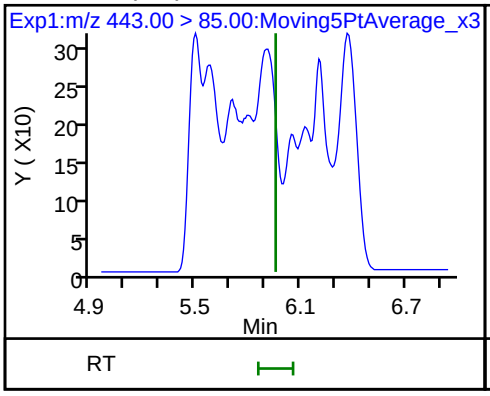
33 PFECHS



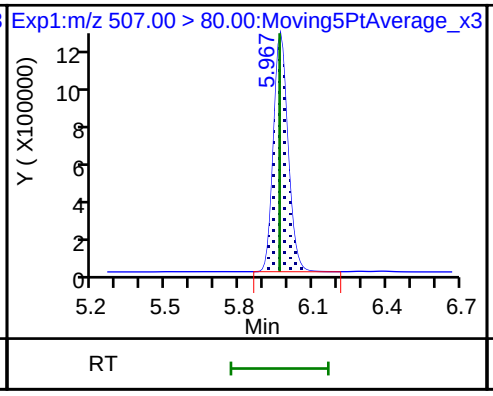
33 PFECHS



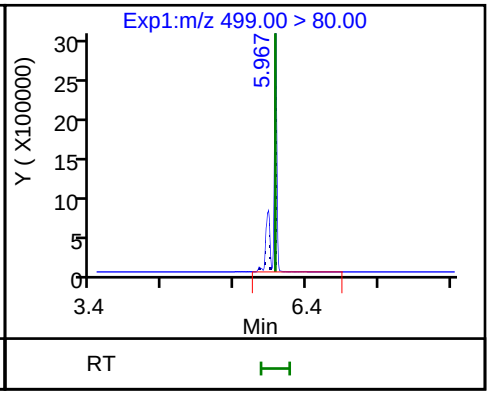
101 TAF (ND)



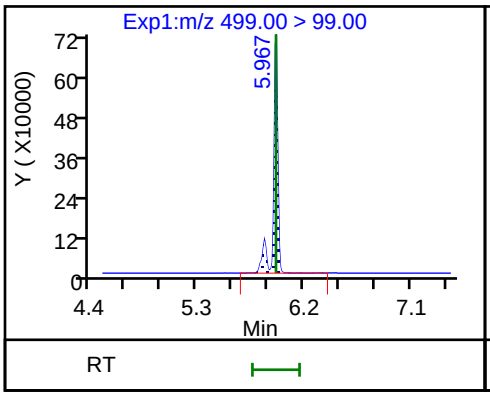
D 41 13C8 PFOS



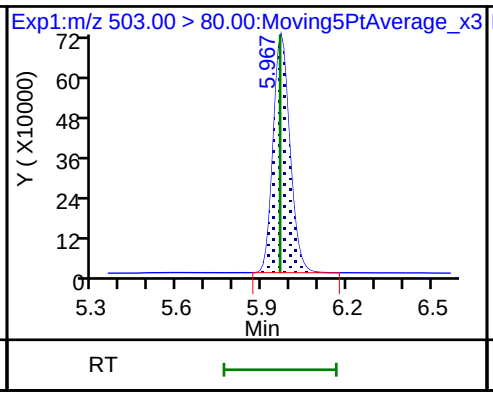
43 Perfluorooctanesulfonic acid



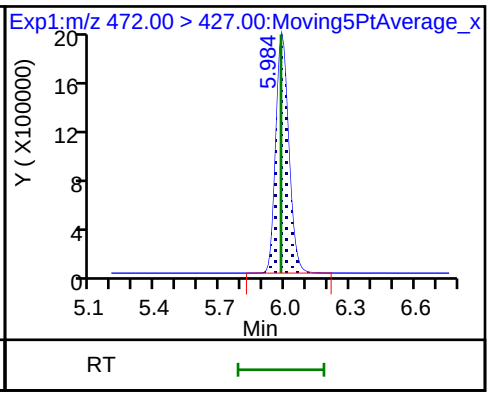
43 Perfluorooctanesulfonic acid



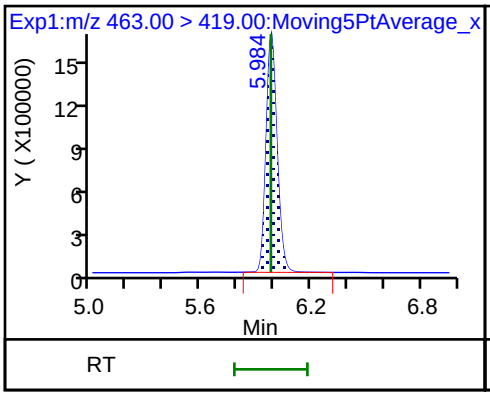
* 42 13C4 PFOS



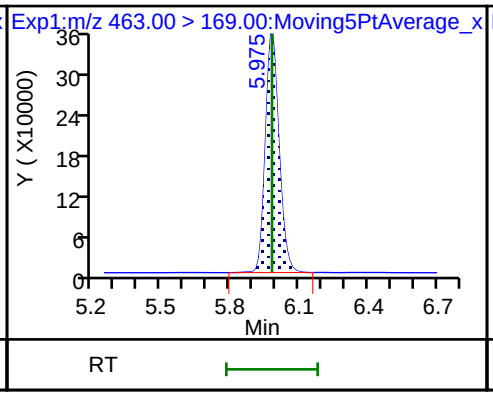
D 45 13C9 PFNA



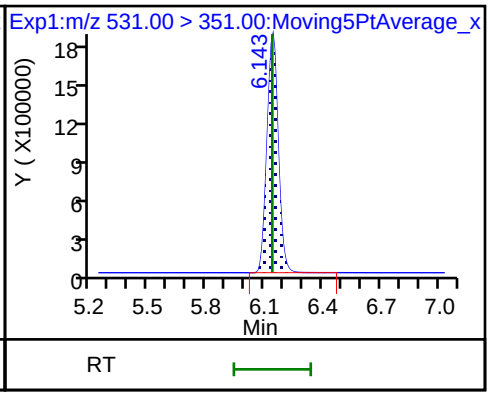
44 Perfluorononanoic acid



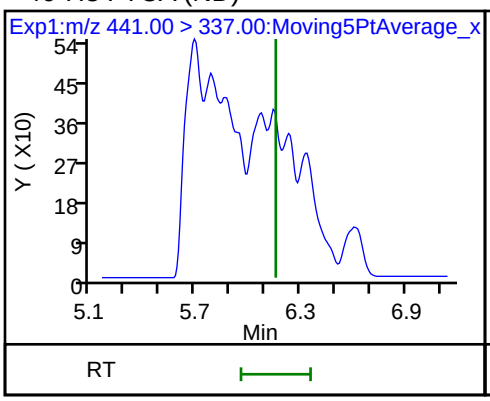
44 Perfluorononanoic acid



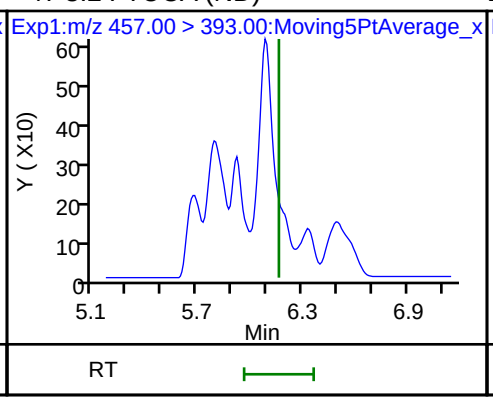
51 9ClFOS



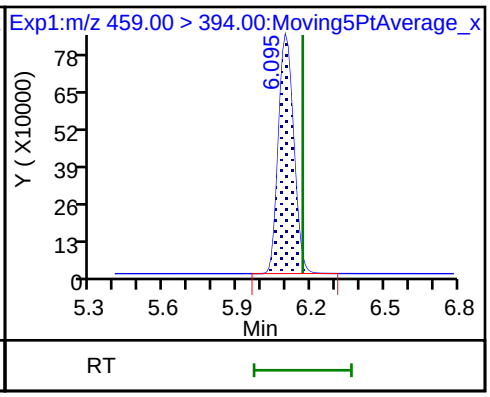
46 7:3 FTCA (ND)



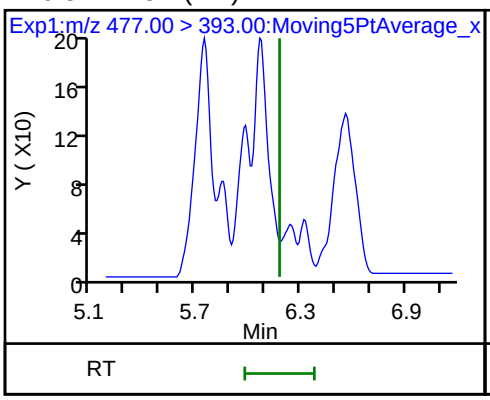
47 8:2 FTUCA (ND)



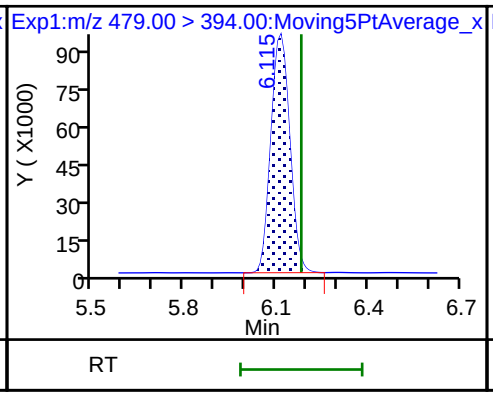
D 48 13C-8:2 FTUCA



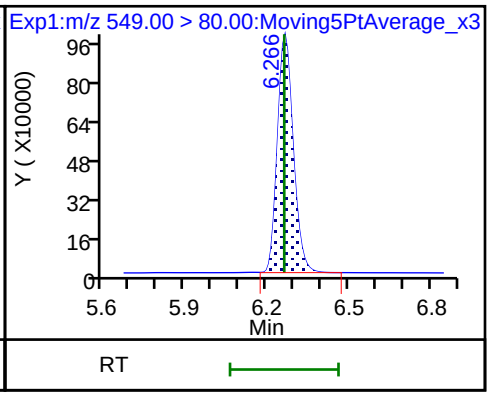
49 8:2 FTCA (ND)



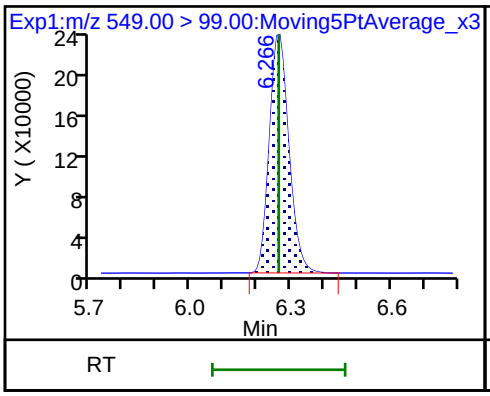
D 50 13C-8:2 FTCA



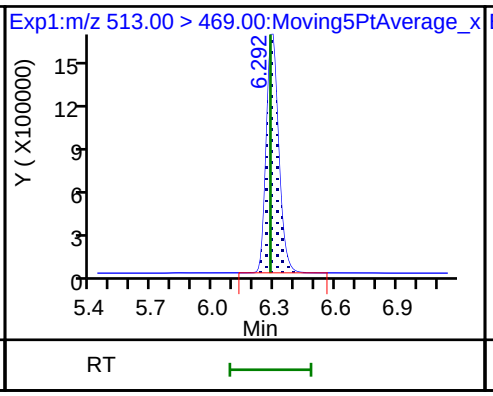
52 Perfluorononanesulfonic acid



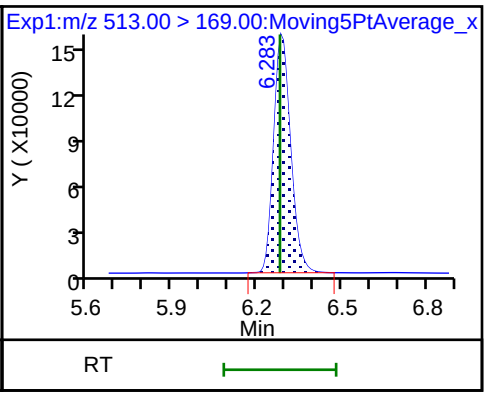
52 Perfluorononanesulfonic acid



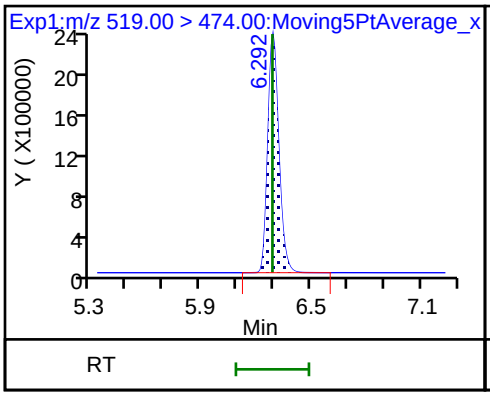
53 Perfluorodecanoic acid



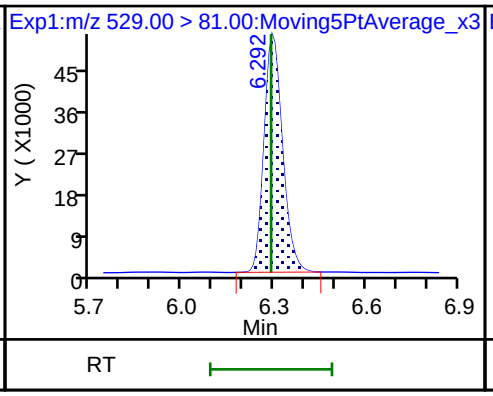
53 Perfluorodecanoic acid



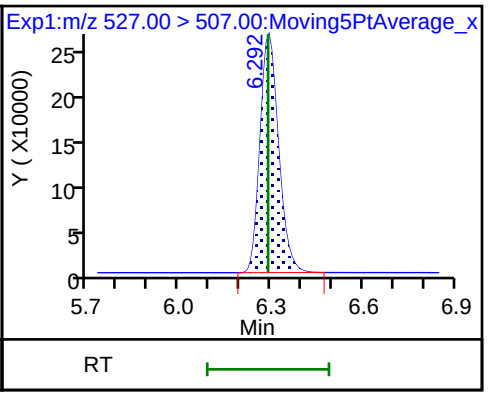
D 54 13C6 PFDA



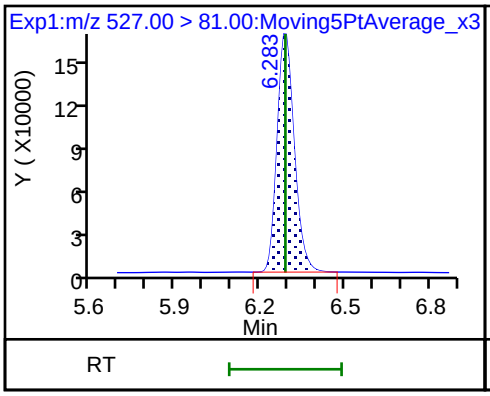
D 57 M2-8:2 FTS



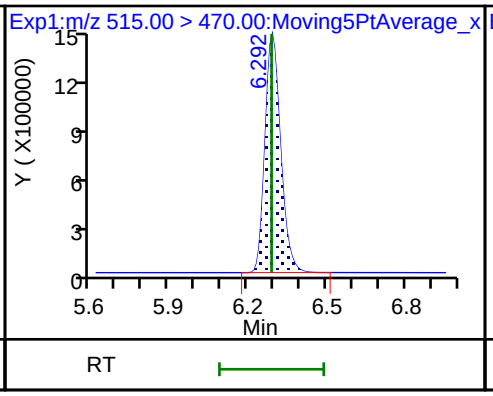
56 8:2 FTS



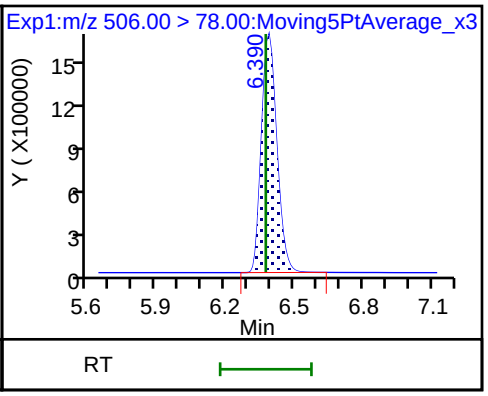
56 8:2 FTS



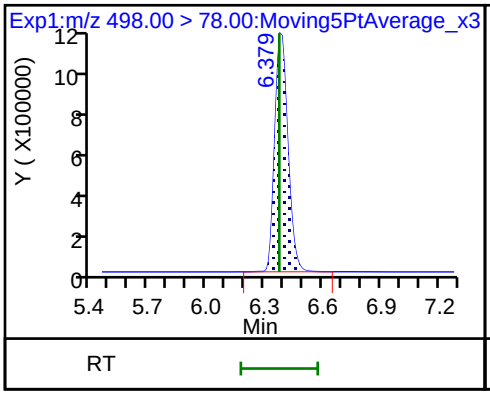
* 55 13C2 PFDA



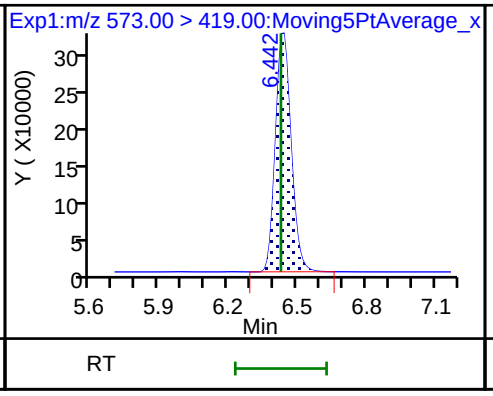
D 59 13C8 FOSA



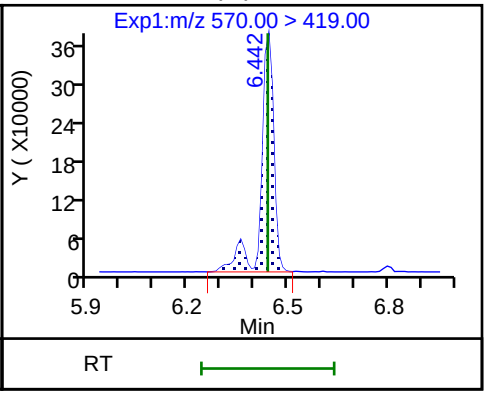
58 Perfluorooctanesulfonamide



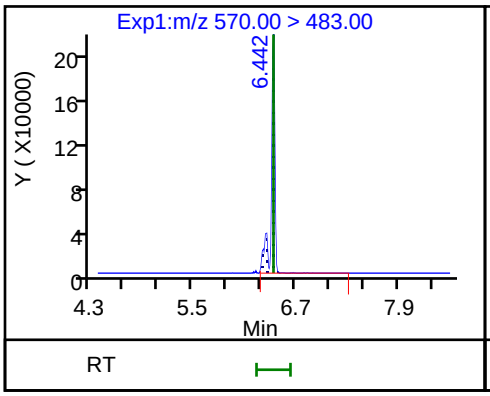
D 61 d3-NMeFOSAA



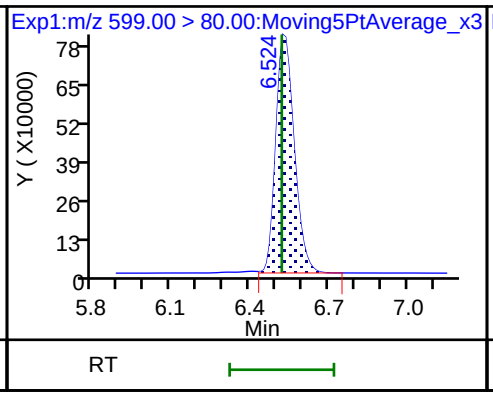
60 NMeFOSAA (M)



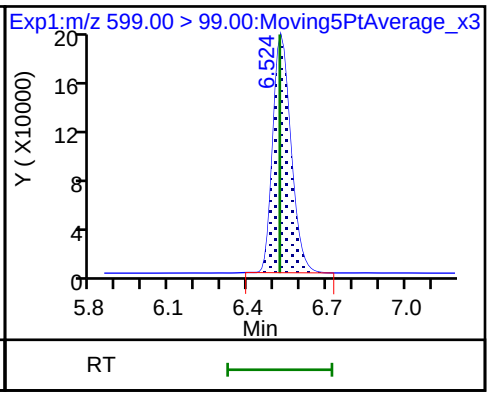
60 NMeFOSAA



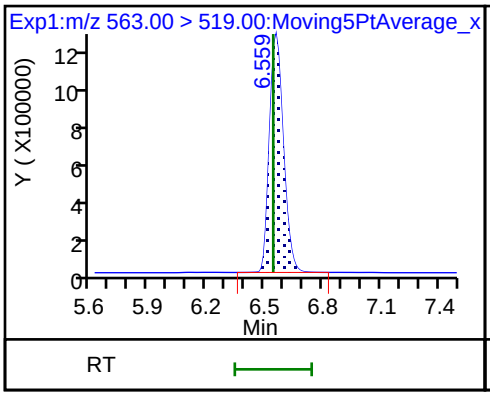
62 Perfluorodecanesulfonic acid



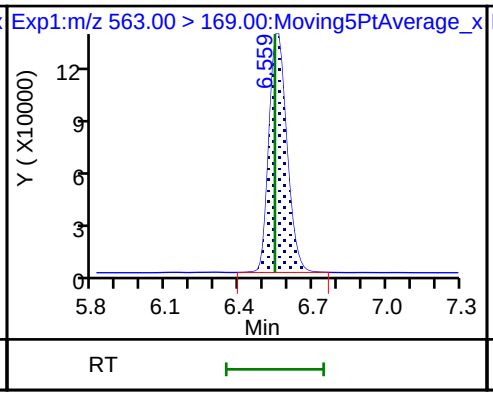
62 Perfluorodecanesulfonic acid



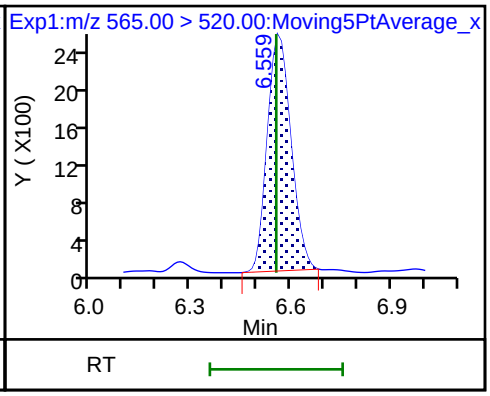
63 Perfluoroundecanoic acid



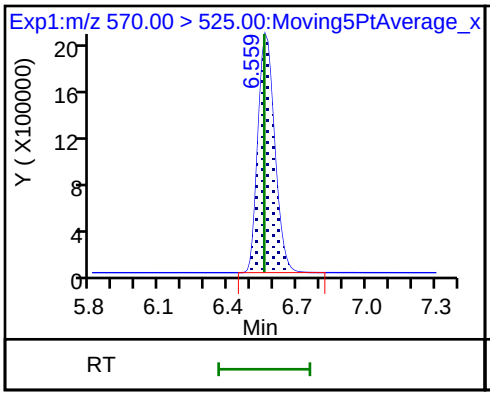
63 Perfluoroundecanoic acid



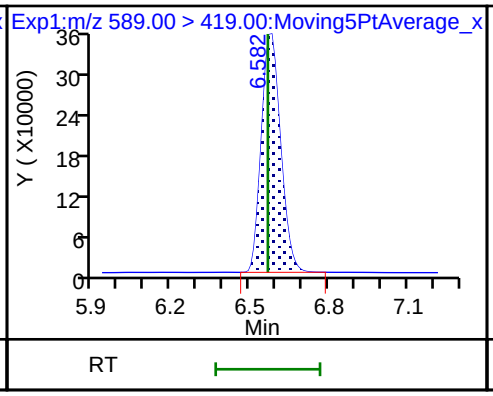
$ 64 13C2 PFUnA



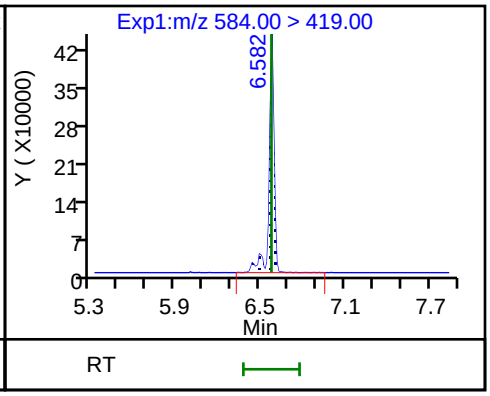
D 65 13C7 PFUnA



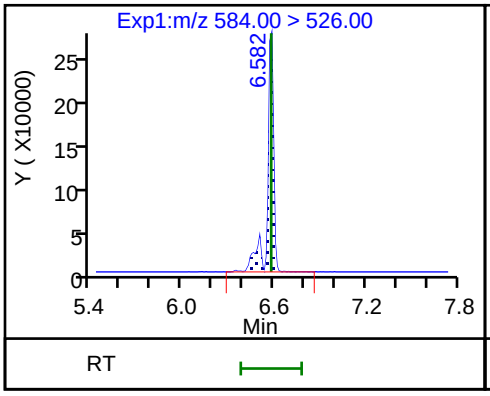
D 66 d5-NEtFOSAA



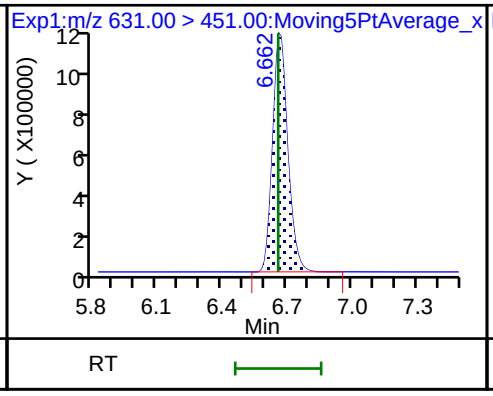
67 NEtFOSAA



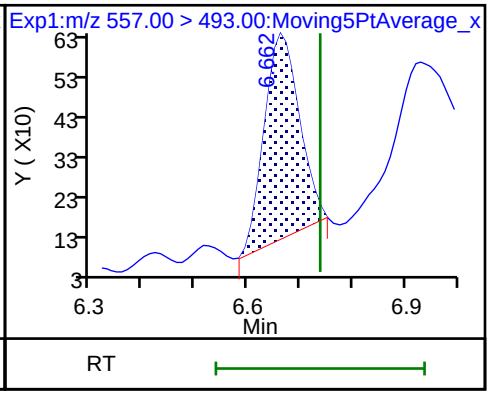
67 NEtFOSAA



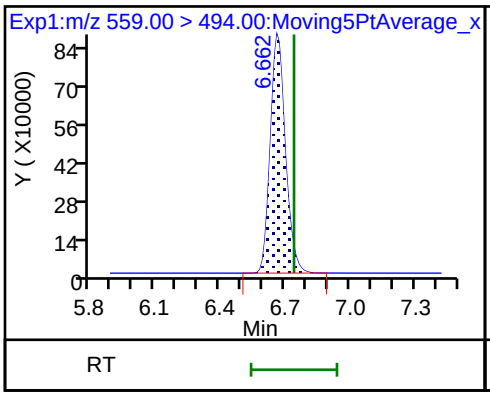
69 11ClFOS



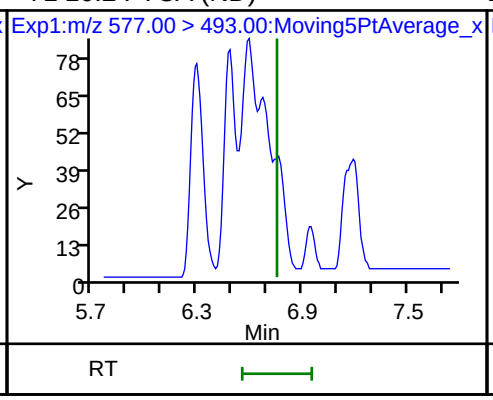
68 10:2 FTUCA



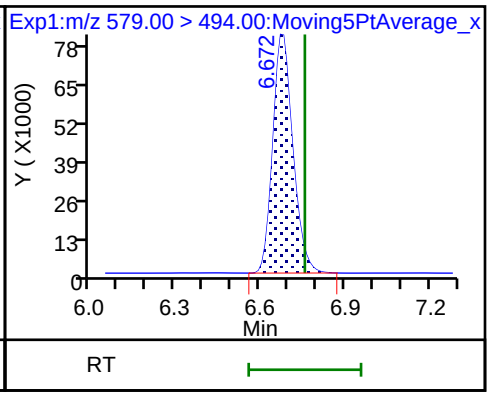
D 70 13C-10:2 FTUCA



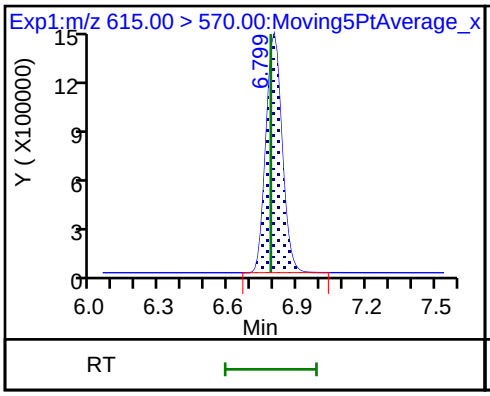
71 10:2 FTCA (ND)



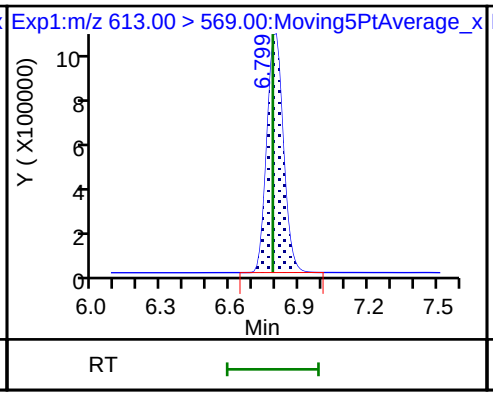
D 72 13C-10:2 FTCA



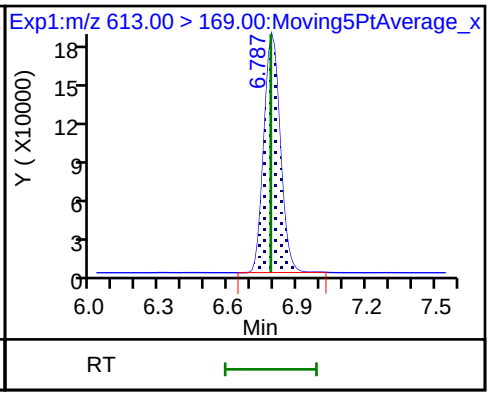
D 74 13C2-PFDoDA



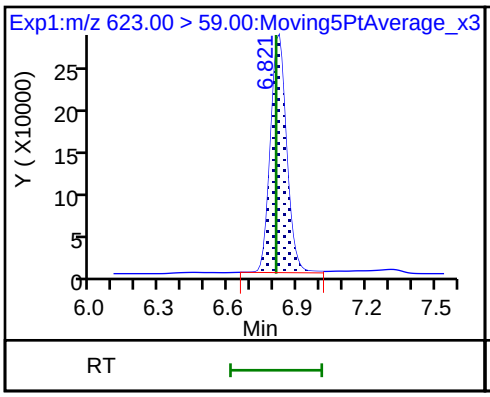
73 Perfluorododecanoic acid



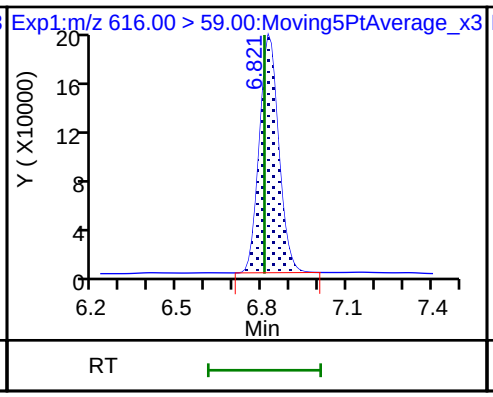
73 Perfluorododecanoic acid



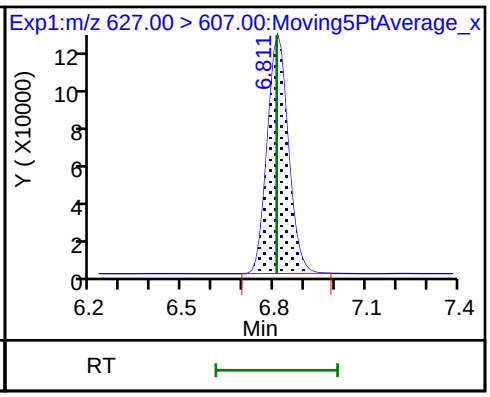
D 76 d7-N-MeFOSE-M



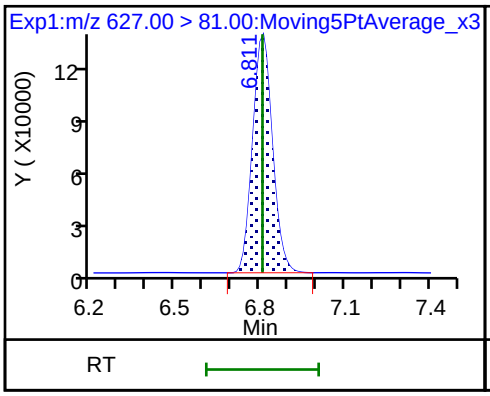
77 N-MeFOSE-M



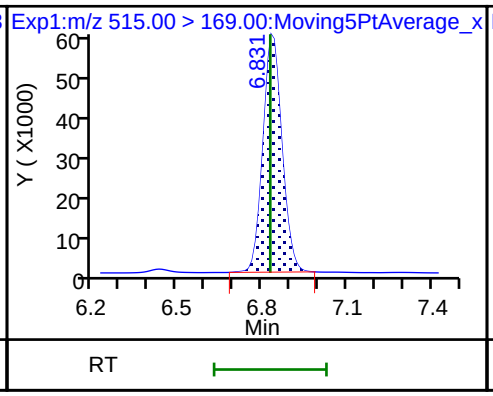
75 10:2 FTS



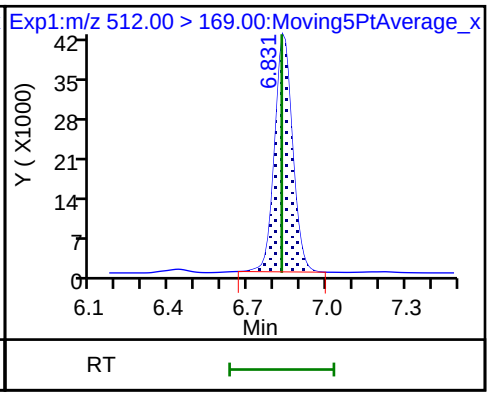
75 10:2 FTS



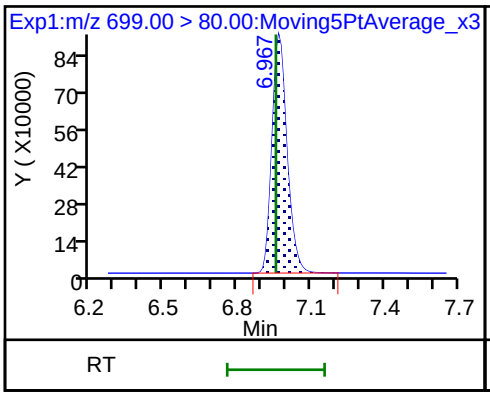
D 79 d3-NMePFOSA



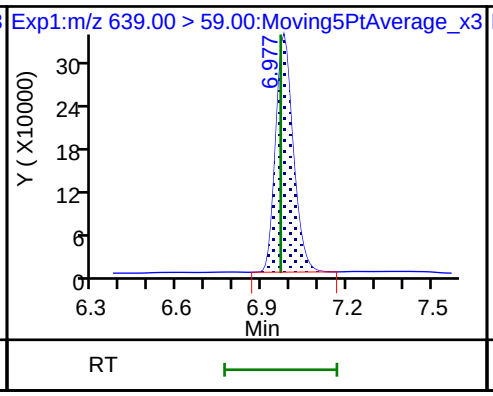
78 NMeFOSA



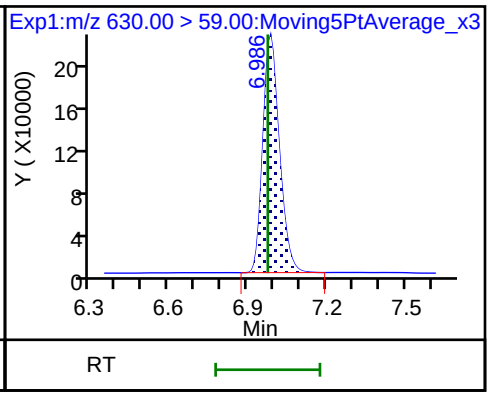
80 PFDoS



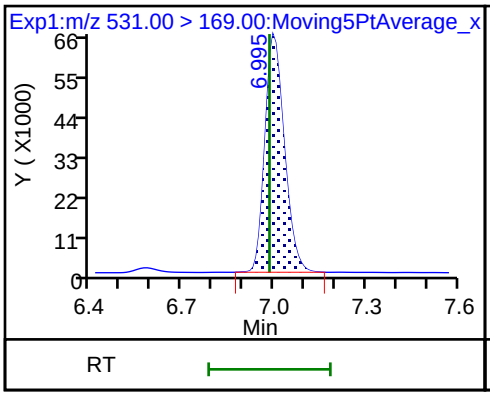
D 81 d9-N-EtFOSE-M



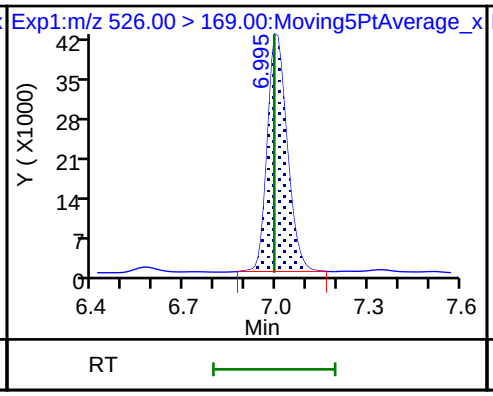
82 N-EtFOSE-M



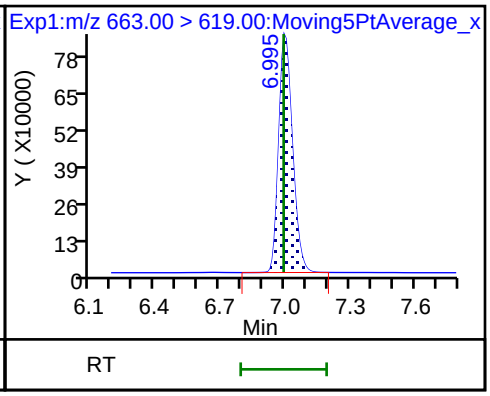
D 83 d5-NEtPFOSA



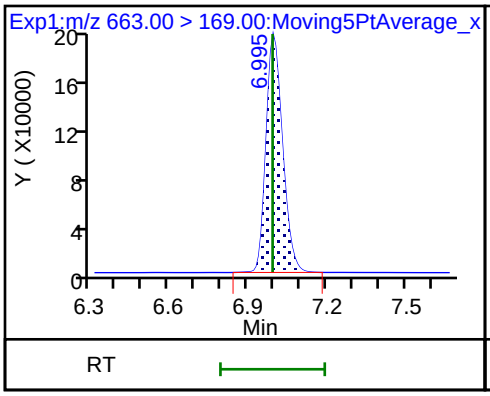
84 N-EtFOSA-M



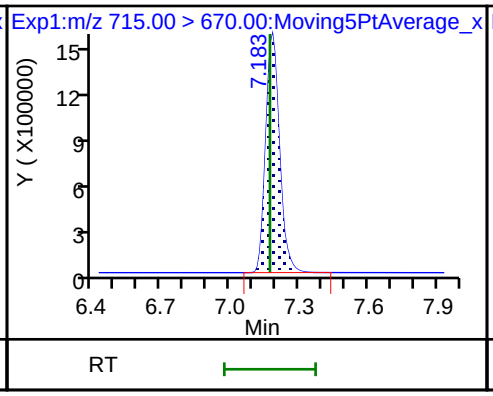
85 Perfluorotridecanoic acid



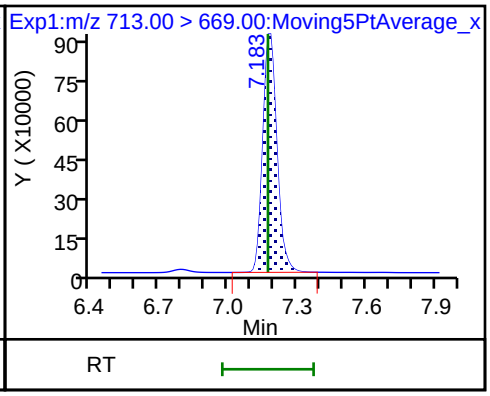
85 Perfluorotridecanoic acid



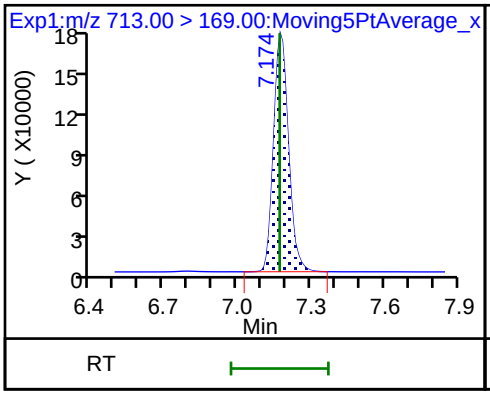
D 87 13C2 PFTeDA



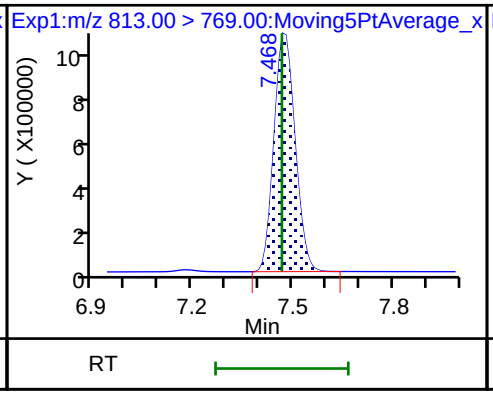
86 Perfluorotetradecanoic acid



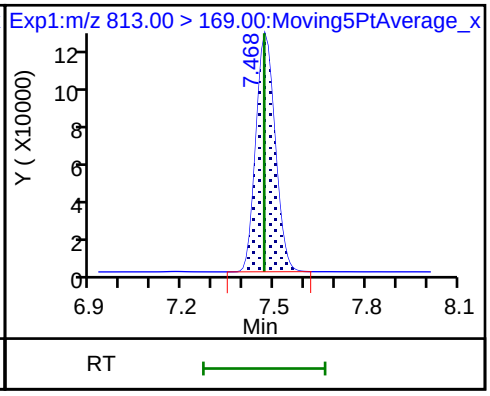
86 Perfluorotetradecanoic acid



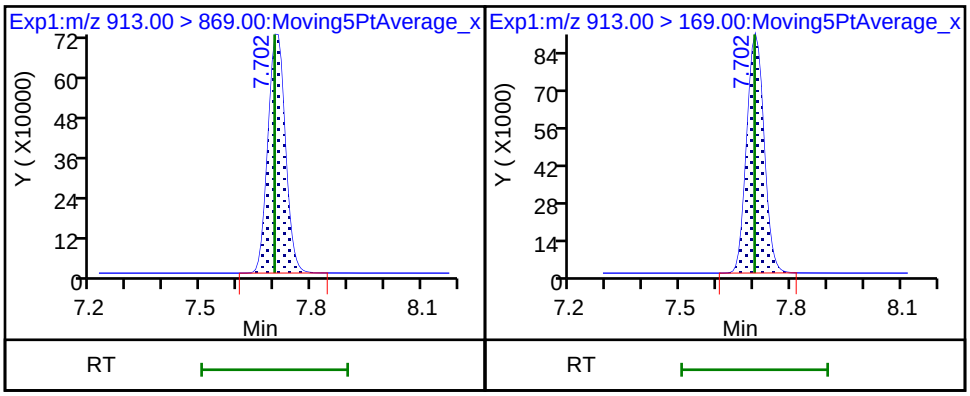
88 Perfluorohexadecanoic acid



88 Perfluorohexadecanoic acid



89 Perfluorooctadecanoic acid



89 Perfluorooctadecanoic acid

Eurofins Lancaster Laboratories Env, LLC

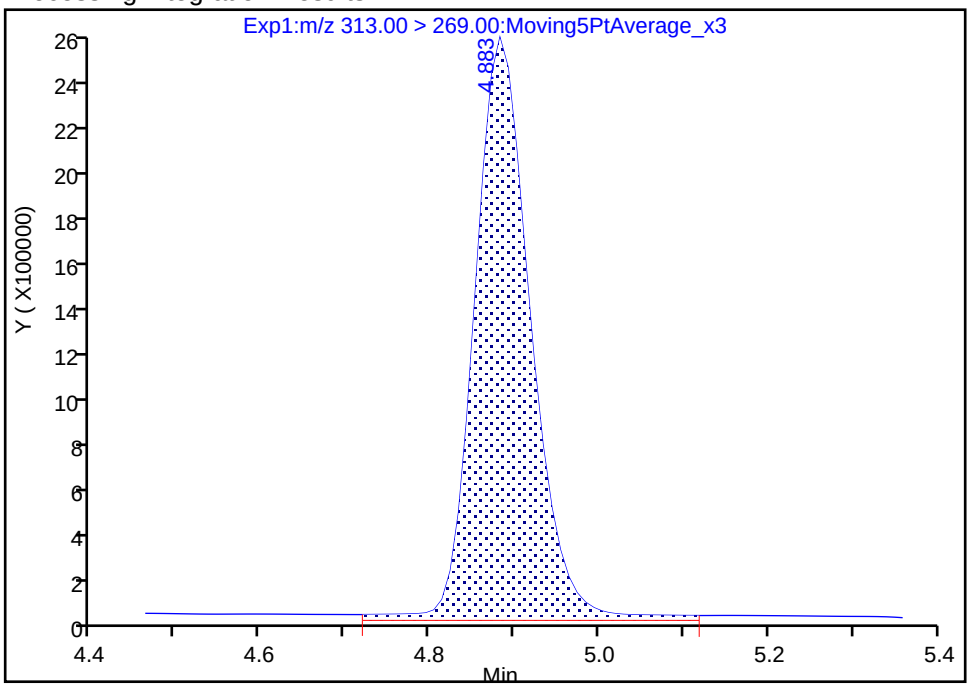
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d				
Injection Date:	22-Jul-2021 05:48:43	Instrument ID:	30733		
Lims ID:	460-239002-A-4-C MSD				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	26	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

17 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

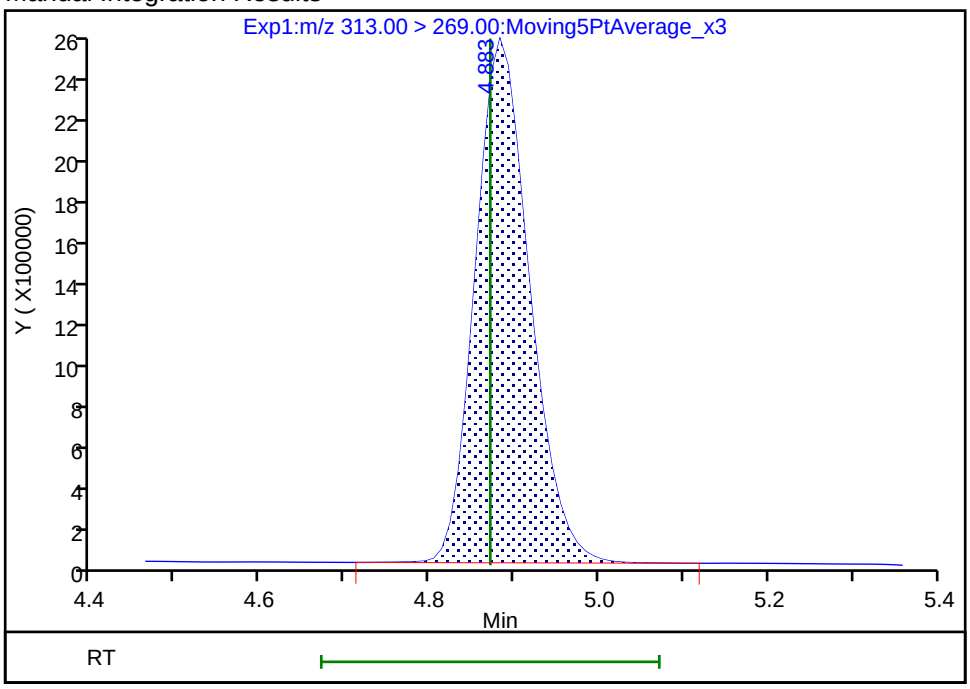
Processing Integration Results

RT: 4.88
Area: 11739781
Amount: 19.078588
Amount Units: ng/ml



Manual Integration Results

RT: 4.88
Area: 11188765
Amount: 18.183119
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:12:10
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

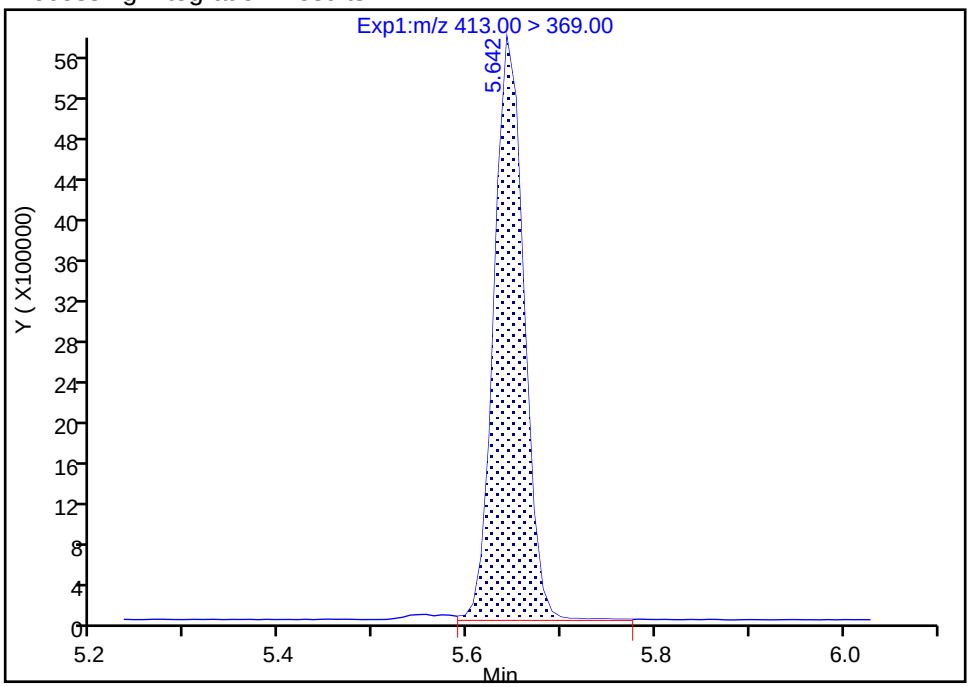
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d				
Injection Date:	22-Jul-2021 05:48:43	Instrument ID:	30733		
Lims ID:	460-239002-A-4-C MSD				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	26	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

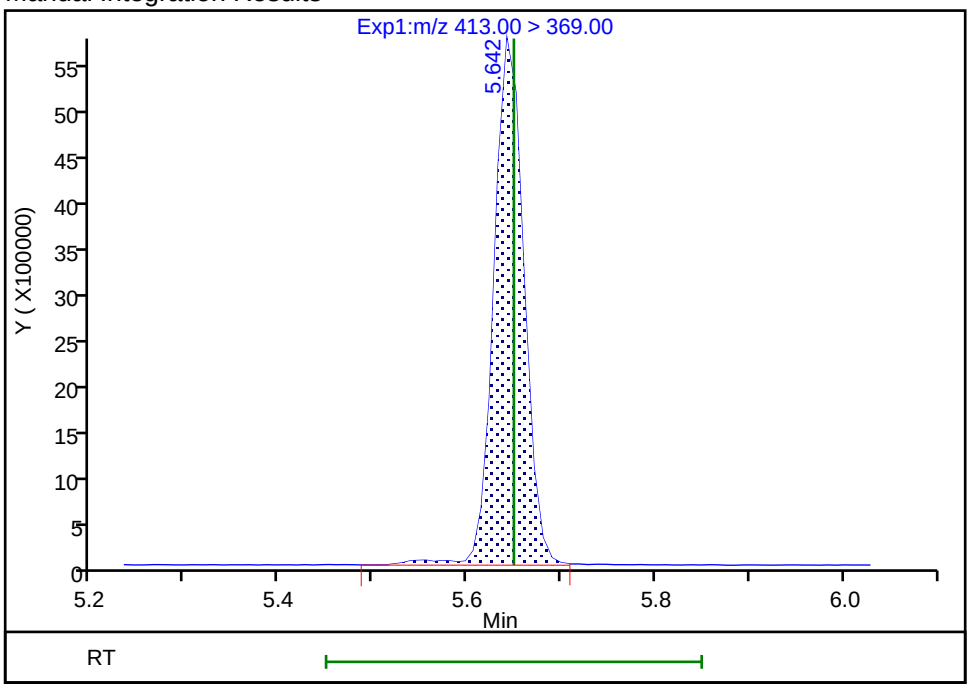
Processing Integration Results

RT: 5.64
Area: 12786497
Amount: 18.581286
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 12871437
Amount: 18.704720
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:13:48

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

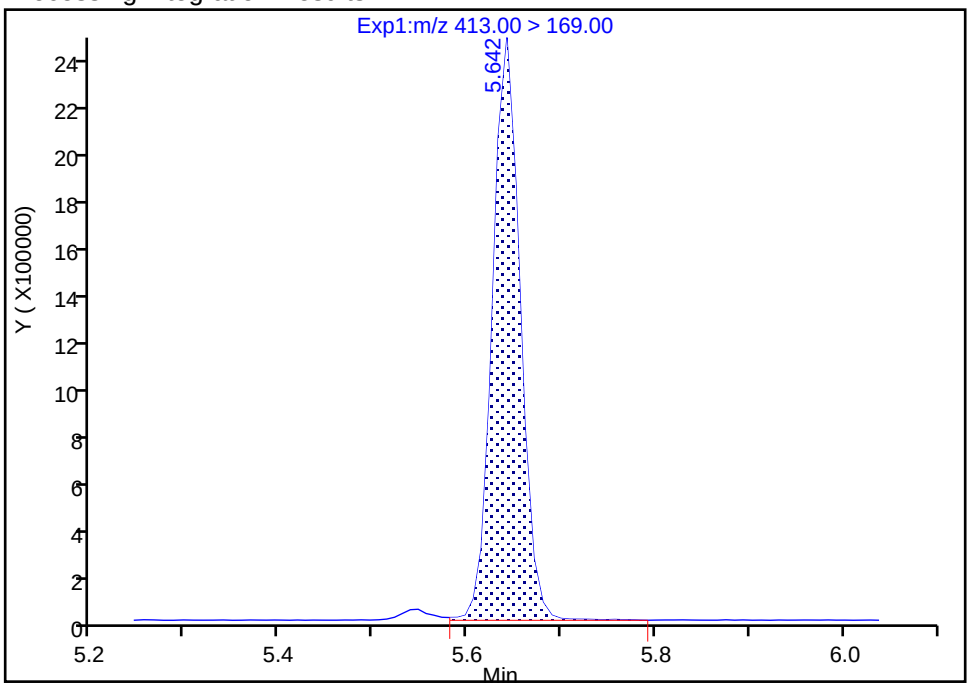
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d				
Injection Date:	22-Jul-2021 05:48:43	Instrument ID:	30733		
Lims ID:	460-239002-A-4-C MSD				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	26	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

40 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

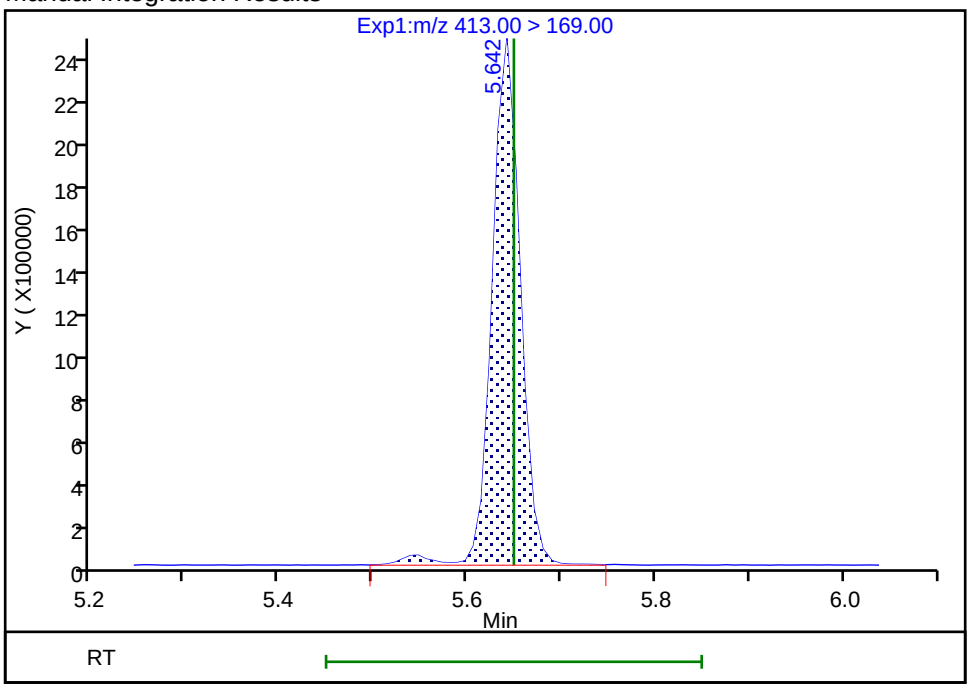
Processing Integration Results

RT: 5.64
Area: 4992020
Amount: 18.581286
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 5090523
Amount: 18.704720
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:14:50
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

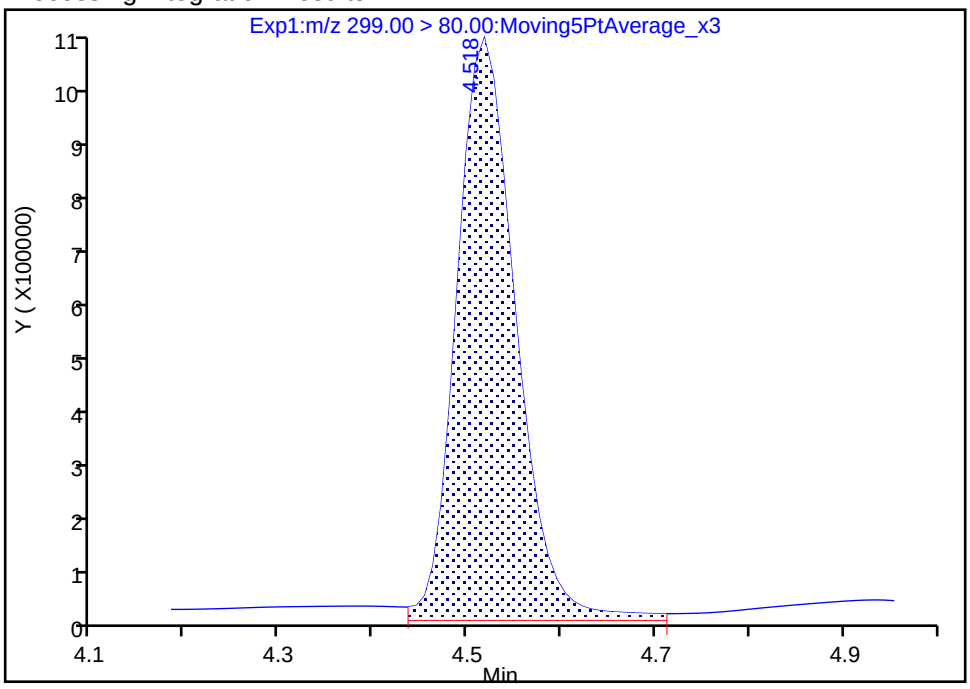
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d				
Injection Date:	22-Jul-2021 05:48:43	Instrument ID:	30733		
Lims ID:	460-239002-A-4-C MSD				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	26	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

10 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

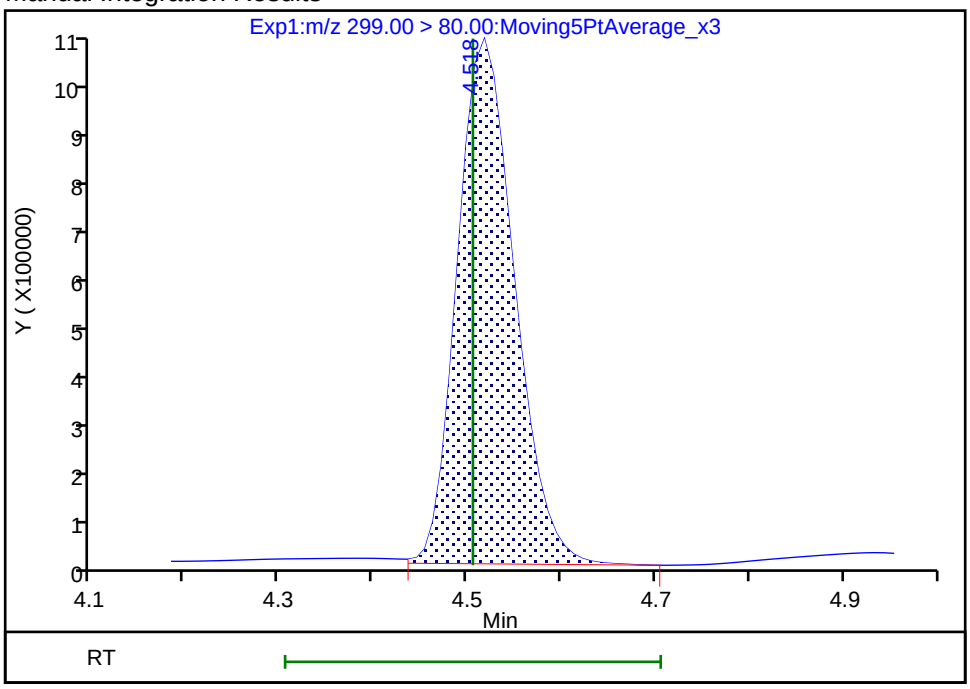
Processing Integration Results

RT: 4.52
Area: 4501044
Amount: 8.382679
Amount Units: ng/ml



Manual Integration Results

RT: 4.52
Area: 4275663
Amount: 7.962932
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:11:56

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

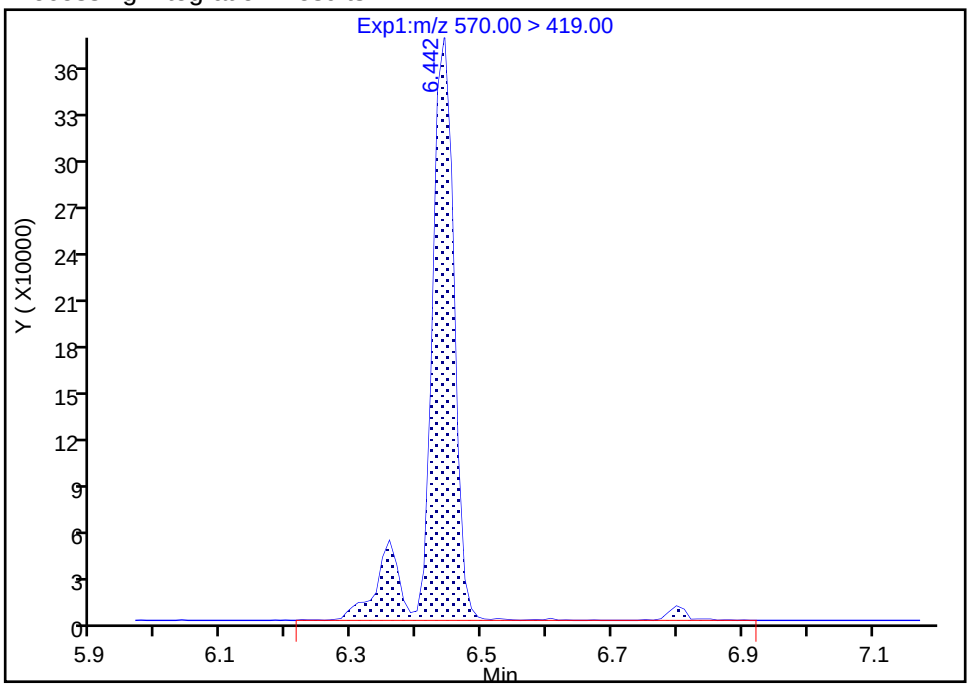
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d				
Injection Date:	22-Jul-2021 05:48:43	Instrument ID:	30733		
Lims ID:	460-239002-A-4-C MSD				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	26	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

60 NMeFOSAA, CAS: 2355-31-9

Signal: 1

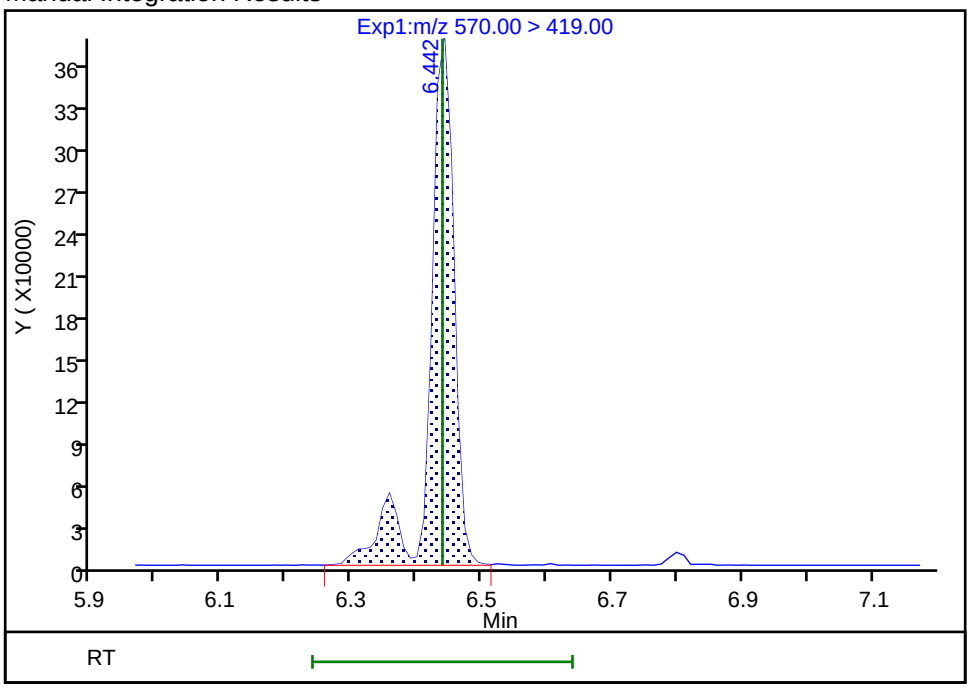
Processing Integration Results

RT: 6.44
Area: 977509
Amount: 7.220767
Amount Units: ng/ml



Manual Integration Results

RT: 6.44
Area: 957038
Amount: 7.069549
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:15:12

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

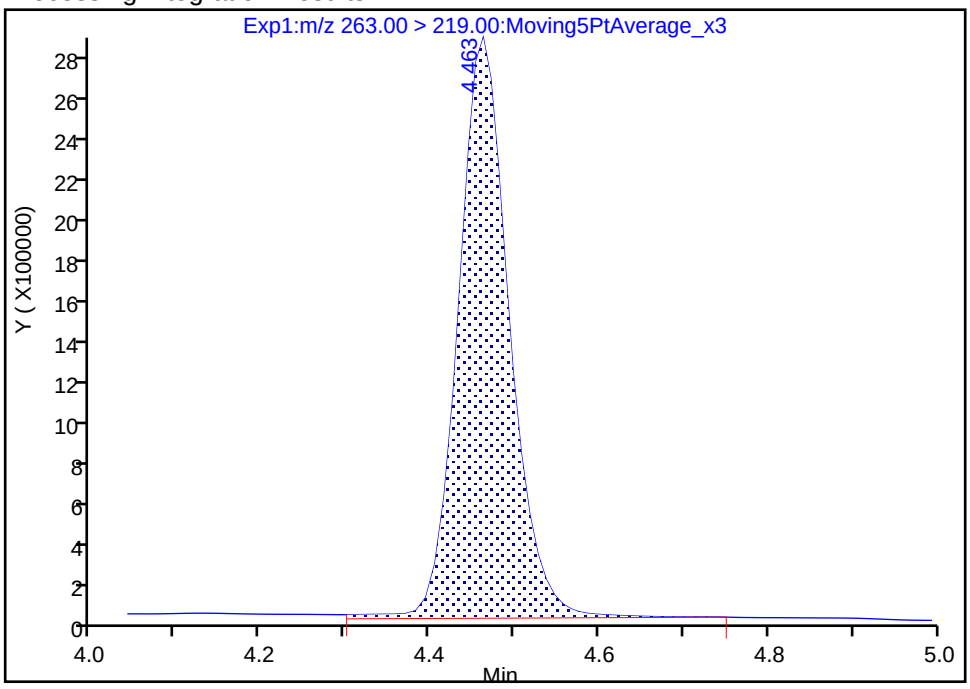
Data File:	\\chromfs\Lancaster\ChromData\30733\20210721-34909.b\21JUL21-29.d				
Injection Date:	22-Jul-2021 05:48:43	Instrument ID:	30733		
Lims ID:	460-239002-A-4-C MSD				
Client ID:	MW-6				
Operator ID:	US19_USR_INS20260	ALS Bottle#:	26	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	PFAS_30733_XList_2	Limit Group:	LC - PFC IDA		
Column:		Detector	EXP1		

7 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

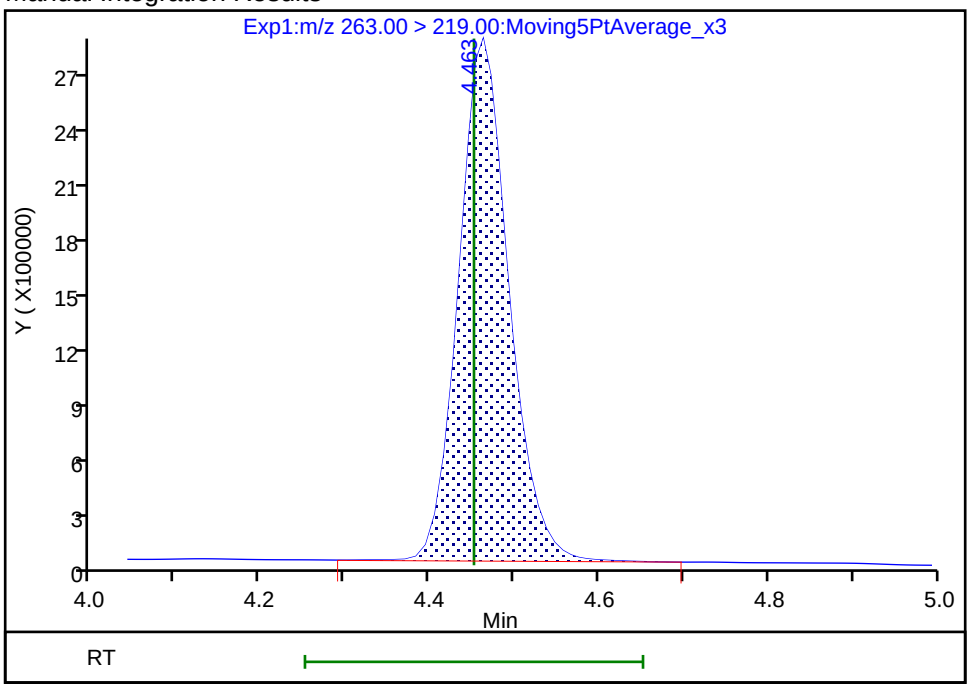
Processing Integration Results

RT: 4.46
Area: 11890003
Amount: 19.995404
Amount Units: ng/ml



Manual Integration Results

RT: 4.46
Area: 11640548
Amount: 19.575895
Amount Units: ng/ml



Reviewer: fellenbauma, 23-Jul-2021 17:11:41

Audit Action: Manually Integrated Audit Reason: Baseline

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Start Date: 07/21/2021 22:47

Analysis Batch Number: 151148 End Date: 07/22/2021 00:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-151148/1		07/21/2021 22:47	1	21JUL21MCAL-17.d	Gemini C18 50mm 3(mm)
IC 410-151148/2		07/21/2021 22:58	1	21JUL21MCAL-18.d	Gemini C18 50mm 3(mm)
IC 410-151148/3		07/21/2021 23:09	1	21JUL21MCAL-19.d	Gemini C18 50mm 3(mm)
IC 410-151148/4		07/21/2021 23:20	1	21JUL21MCAL-20.d	Gemini C18 50mm 3(mm)
ICISAV 410-151148/5		07/21/2021 23:32	1	21JUL21MCAL-21.d	Gemini C18 50mm 3(mm)
IC 410-151148/6		07/21/2021 23:43	1	21JUL21MCAL-22.d	Gemini C18 50mm 3(mm)
IC 410-151148/7		07/21/2021 23:54	1	21JUL21MCAL-23.d	Gemini C18 50mm 3(mm)
ICB 410-151148/8		07/22/2021 00:05	1	21JUL21MCAL-24.d	Gemini C18 50mm 3(mm)
ICV 410-151148/9		07/22/2021 00:16	1	21JUL21MCAL-25.d	Gemini C18 50mm 3(mm)
WDM 410-151148/10		07/22/2021 00:27	1	21JUL21MCAL-26.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Start Date: 07/21/2021 20:23

Analysis Batch Number: 151245 End Date: 07/22/2021 17:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-151245/10		07/21/2021 20:23	1		Gemini C18 50mm 3(mm)
CCV 410-151245/23		07/22/2021 04:42	1	21JUL21-23.d	Gemini C18 50mm 3(mm)
460-239002-1	MW-1	07/22/2021 04:53	1	21JUL21-24.d	Gemini C18 50mm 3(mm)
460-239002-2	MW-3A	07/22/2021 05:04	1	21JUL21-25.d	Gemini C18 50mm 3(mm)
460-239002-3	MW-XX	07/22/2021 05:15	1	21JUL21-26.d	Gemini C18 50mm 3(mm)
460-239002-4	MW-6	07/22/2021 05:26	1	21JUL21-27.d	Gemini C18 50mm 3(mm)
460-239002-4 MS	MW-6 MS	07/22/2021 05:37	1	21JUL21-28.d	Gemini C18 50mm 3(mm)
460-239002-4 MSD	MW-6 MSD	07/22/2021 05:48	1	21JUL21-29.d	Gemini C18 50mm 3(mm)
460-239002-5	FB071621	07/22/2021 05:59	1	21JUL21-30.d	Gemini C18 50mm 3(mm)
CCV 410-151245/31		07/22/2021 06:10	1	21JUL21-31.d	Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 06:21	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 06:44	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 06:55	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 07:06	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 07:17	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 07:28	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 07:39	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 07:50	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 08:01	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 08:12	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 08:23	1		Gemini C18 50mm 3(mm)
CCV 410-151245/44		07/22/2021 08:34	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 08:45	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 08:57	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 09:08	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 09:41	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 09:52	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 10:03	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 10:14	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 10:25	1		Gemini C18 50mm 3(mm)
CCV 410-151245/55		07/22/2021 10:36	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 10:47	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 10:58	1		Gemini C18 50mm 3(mm)
CCV 410-151245/58		07/22/2021 11:10	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 11:21	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 11:32	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 11:43	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 11:54	1		Gemini C18 50mm 3(mm)
CCV 410-151245/63		07/22/2021 12:06	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 12:17	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 12:28	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 12:39	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 12:50	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 13:02	1		Gemini C18 50mm 3(mm)
CCV 410-151245/69		07/22/2021 13:13	1		Gemini C18 50mm 3(mm)

537 IDA

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Start Date: 07/21/2021 20:23

Analysis Batch Number: 151245 End Date: 07/22/2021 17:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/22/2021 13:24	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 13:35	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 13:46	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 13:57	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 14:08	1		Gemini C18 50mm 3(mm)
CCV 410-151245/75		07/22/2021 14:19	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 14:30	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 14:41	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 14:52	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 15:03	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 15:15	1		Gemini C18 50mm 3(mm)
CCV 410-151245/81		07/22/2021 15:26	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 15:37	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 15:48	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 15:59	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 16:10	1		Gemini C18 50mm 3(mm)
CCV 410-151245/86		07/22/2021 16:21	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 16:32	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 16:43	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 16:54	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 17:05	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 17:16	1		Gemini C18 50mm 3(mm)
CCV 410-151245/92		07/22/2021 17:28	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Start Date: 07/22/2021 20:15

Analysis Batch Number: 151710 End Date: 07/23/2021 08:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-151710/15		07/22/2021 20:15	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 20:26	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 20:38	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 20:49	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 21:01	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 21:13	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 21:24	1		Gemini C18 50mm 3(mm)
CCV 410-151710/58		07/22/2021 21:35	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 22:01	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 22:12	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 22:24	1		Gemini C18 50mm 3(mm)
CCV 410-151710/69		07/22/2021 22:36	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 22:47	1		Gemini C18 50mm 3(mm)
CCV 410-151710/100		07/22/2021 22:59	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 23:11	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 23:22	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 23:34	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 23:45	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/22/2021 23:56	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 00:07	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 00:18	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 00:29	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 00:40	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 00:51	1		Gemini C18 50mm 3(mm)
CCV 410-151710/111		07/23/2021 01:02	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 01:14	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 01:25	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 01:36	1		Gemini C18 50mm 3(mm)
CCV 410-151710/115		07/23/2021 01:47	1	21JUL22-43.d	Gemini C18 50mm 3(mm)
MB 410-150688/1-A		07/23/2021 01:58	1	21JUL22-44.d	Gemini C18 50mm 3(mm)
LCS 410-150688/2-A		07/23/2021 02:10	1	21JUL22-45.d	Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 02:21	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 02:32	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 02:43	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 02:55	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 03:06	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 03:17	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 03:28	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 03:39	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 03:50	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 04:01	10		Gemini C18 50mm 3(mm)
CCV 410-151710/130		07/23/2021 04:12	1	21JUL22-56.d	Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 04:23	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 04:34	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 04:46	10		Gemini C18 50mm 3(mm)

537 IDA

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 460-239002-1

SDG No.:

Instrument ID: 30733 Start Date: 07/22/2021 20:15

Analysis Batch Number: 151710 End Date: 07/23/2021 08:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/23/2021 04:57	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 05:08	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 05:19	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 05:30	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 05:41	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 05:52	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 06:03	10		Gemini C18 50mm 3(mm)
CCV 410-151710/141		07/23/2021 06:14	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 06:25	100		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 06:36	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 06:48	100		Gemini C18 50mm 3(mm)
CCV 410-151710/146		07/23/2021 07:10	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 07:21	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 07:32	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 07:43	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 07:54	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 08:05	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 08:16	1		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 08:27	10		Gemini C18 50mm 3(mm)
ZZZZZ		07/23/2021 08:38	10		Gemini C18 50mm 3(mm)
CCV 410-151710/155		07/23/2021 08:50	1		Gemini C18 50mm 3(mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 460-239002-1

SDG No.:

Batch Number: 150688 Batch Start Date: 07/20/21 17:11 Batch Analyst: Brown, Ethan

Batch Method: 537 IDA Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	PFC_MS_MODWX 00072	PFC_SS_MODX 00112
MB 410-150688/1		537 IDA, 537 IDA		300 g	50 g	250 mL	1 mL		25 uL
LCS 410-150688/2		537 IDA, 537 IDA		300 g	50 g	250 mL	1 mL	40 uL	25 uL
460-239002-A-1	MW-1	537 IDA, 537 IDA	T	274.56 g	27.54 g	247 mL	1 mL		25 uL
460-239002-A-2	MW-3A	537 IDA, 537 IDA	T	292.64 g	27.97 g	264.7 mL	1 mL		25 uL
460-239002-A-3	MW-XX	537 IDA, 537 IDA	T	304.11 g	27.79 g	276.3 mL	1 mL		25 uL
460-239002-A-4	MW-6	537 IDA, 537 IDA	T	295.73 g	28.28 g	267.5 mL	1 mL		25 uL
460-239002-A-4 MS	MW-6	537 IDA, 537 IDA	T	306.59 g	27.46 g	279.1 mL	1 mL	40 uL	25 uL
460-239002-A-4 MSD	MW-6	537 IDA, 537 IDA	T	307.33 g	27.50 g	279.8 mL	1 mL	40 uL	25 uL
460-239002-A-5	FB071621	537 IDA, 537 IDA	T	329.17 g	29.10 g	300.1 mL	1 mL		25 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-150688/1		537 IDA, 537 IDA							
LCS 410-150688/2		537 IDA, 537 IDA							
460-239002-A-1	MW-1	537 IDA, 537 IDA	T	Sediment, Discolored, Centrifuged, Vacuum was applied					
460-239002-A-2	MW-3A	537 IDA, 537 IDA	T						
460-239002-A-3	MW-XX	537 IDA, 537 IDA	T						
460-239002-A-4	MW-6	537 IDA, 537 IDA	T						
460-239002-A-4 MS	MW-6	537 IDA, 537 IDA	T						
460-239002-A-4 MSD	MW-6	537 IDA, 537 IDA	T						
460-239002-A-5	FB071621	537 IDA, 537 IDA	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 460-239002-1

SDG No.:

Batch Number: 150688 Batch Start Date: 07/20/21 17:11 Batch Analyst: Brown, Ethan

Batch Method: 537 IDA Batch End Date:

Batch Notes	
Balance ID	B629764122
Collection Tube Witness	JDS 39374
H2O ID	House A372
Manifold ID	4 & 8
Methanol ID	EB577-US
Pipette/Syringe/Dispenser ID	PFAS 6 & 7, P10-5
Analyst ID - IS Reagent Drop Witness	AWK 33176
Solvent Lot #	1984307202133A, 2011507202133A
Solvent Name	.3% NH4OH in MeOH, 1:1 ACN:MeOH
SPE Cartridge Lot ID	6573010-02

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record 515223

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Nick Recchia	Site Contact: William J Fitzpatrick	Date: 7/16/21	COC No:
Company Name: GEI	Tel/Email: nrecchia@geiconsultants.com	Lab Contact: Melissa Haas	Carrier: Courier	1 of 1 COCs
Address: 1000 New York Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Huntington Station/NY/11746	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 631-905-7636	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks			Lab Sampling:
Project Name: Belle Cleaners	☐ 1 week			Job / SDG No.: 239002
Site: 40 Purchase Street	☐ 2 days			
P O # 200210S	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS-IDA 21 Stone L4	Sample Specific Notes:
MW-1	7/16	1020	C	GW	2			X	1
MW-3A		1235			2			X	2
MW-XX		1235			2			X	3
MW-6		920			2			X	4
MW-6(ms)		920			2			X	4
MW-6(msd)		920			2			X	4
FB071621		1340			2			Y	5

460-239002 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: need CAT B

IR# 3.1 2.6°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		7/16/21 14:30			7/16/21 14:30
Relinquished by:	Company: TA	Date/Time: 7/16/21 1900	Received by:	Company: FACET	Date/Time: 7/16/21 1900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

07/26/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 239002

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	2.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ **Date:** 7/16/21

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-62292.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 460-239002-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 7/27/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Belle's Cleaners	Project #: 46035611			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC NY 21 PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-1 (460-239002-1)	7/16/21	10:20 Eastern		Water			X	2	
MW-3A (460-239002-2)	7/16/21	12:35 Eastern		Water			X	2	
MW-XX (460-239002-3)	7/16/21	12:35 Eastern		Water			X	2	
MW-6 (460-239002-4)	7/16/21	09:20 Eastern		Water			X	2	
MW-6 (460-239002-4MS)	7/16/21	09:20 Eastern	MS	Water			X	2	
MW-6 (460-239002-4MSD)	7/16/21	09:20 Eastern	MSD	Water			X	2	
FB071621 (460-239002-5)	7/16/21	13:40 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 7/19/21	Company ETAEli	Received by: H	Date/Time: 19Jul21 1700	Company ECLE
Relinquished by: H	Date/Time: 19Jul21 1935	Company ECLE	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/19/21 2+1935	Company ECLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-2-2-8 On Ice/Wet

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-239002-1

Login Number: 239002
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-239002-1

Login Number: 239002
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 07/19/21 08:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

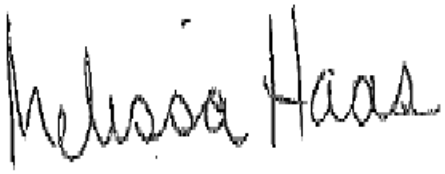
ANALYTICAL REPORT

Job Number: 460-239070-1

Job Description: Belle's Cleaners

For:
GEI Consultants, Inc.
1000 New York Avenue
Huntington Station, NY 11746

Attention: William Fitchett



Approved for release.
Melissa Haas
Senior Project Manager
7/23/2021 6:17 PM

Melissa Haas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(203)308-0880
Melissa.Haas@Eurofinset.com
07/23/2021

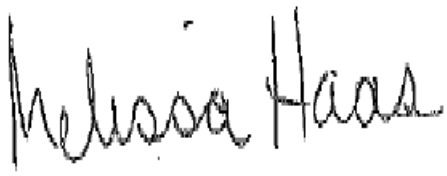
cc: Nicholas Recchia

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-239070-1

Job Description: Belle's Cleaners

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Melissa Haas
Senior Project Manager
7/23/2021 6:17 PM

Melissa Haas

Table of Contents

Table of Contents

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: Belle's Cleaners

Report Number: 460-239070-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 07/16/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-1 (460-239070-1), MW-2 (460-239070-2), MW-3A (460-239070-3), MW-4A (460-239070-4), MW-5 (460-239070-5), MW-6 (460-239070-6), MW-XX (460-239070-7), FB071621 (460-239070-8) and TB071621 (460-239070-9) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 07/21/2021.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2. Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) associated with batch 460-791566 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-791566 recovered outside control limit for Methyl acetate. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Methyl acetate failed the recovery criteria high for the MS of sample MW-6MS (460-239070-6) in batch 460-791566.

Methyl acetate failed the recovery criteria high for the MSD of sample MW-6MSD (460-239070-6) in batch 460-791566. 1,4-Dioxane exceeded the RPD limit.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE
Samples MW-1 (460-239070-1), MW-3A (460-239070-3), MW-6 (460-239070-6), MW-XX (460-239070-7) and FB071621 (460-239070-8) were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270E SIM 1,4Dioxane. The samples were prepared on 07/20/2021 and analyzed on 07/20/2021 and 07/21/2021.

1,4-Dioxane failed the recovery criteria high for the MSD of sample MW-6MSD (460-239070-6) in batch 460-791477. 1,4-Dioxane exceeded the RPD limit.

No other difficulties were encountered during the 1,4 Dioxane analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-239070-1	MW-1	Water	07/16/21 10:20	07/16/21 19:00
460-239070-2	MW-2	Water	07/16/21 11:55	07/16/21 19:00
460-239070-3	MW-3A	Water	07/16/21 12:35	07/16/21 19:00
460-239070-4	MW-4A	Water	07/16/21 13:22	07/16/21 19:00
460-239070-5	MW-5	Water	07/16/21 08:15	07/16/21 19:00
460-239070-6	MW-6	Water	07/16/21 09:20	07/16/21 19:00
460-239070-6 MS	MW-6	Water	07/16/21 09:20	07/16/21 19:00
460-239070-6 MSD	MW-6	Water	07/16/21 09:20	07/16/21 19:00
460-239070-7	MW-XX	Water	07/16/21 12:35	07/16/21 19:00
460-239070-8	FB071621	Water	07/16/21 13:40	07/16/21 19:00
460-239070-9	TB071621	Water	07/16/21 00:00	07/16/21 19:00

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Client Sample ID: MW-1 — Lab Sample ID: 460-239070-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.52	J	1.0	0.31	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.5		1.0	0.25	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	1.3		1.0	0.30	ug/L	1		8260D	Total/NA
Xylenes, Total	1.3	J	2.0	0.65	ug/L	1		8260D	Total/NA
Isopropylbenzene	4.0		1.0	0.34	ug/L	1		8260D	Total/NA
Methylcyclohexane	1.9		1.0	0.71	ug/L	1		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 460-239070-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	14	J	25	4.3	ug/L	25		8260D	Total/NA
cis-1,2-Dichloroethene	110		25	5.5	ug/L	25		8260D	Total/NA
Chloroform	11	J	25	8.2	ug/L	25		8260D	Total/NA
Trichloroethene	130		25	7.9	ug/L	25		8260D	Total/NA
Tetrachloroethene	9300		25	6.2	ug/L	25		8260D	Total/NA
1,2-Dichlorobenzene	27		25	5.3	ug/L	25		8260D	Total/NA

Client Sample ID: MW-3A — Lab Sample ID: 460-239070-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.57	J	1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: MW-4A — Lab Sample ID: 460-239070-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	0.59	J	1.0	0.24	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.0		1.0	0.22	ug/L	1		8260D	Total/NA
Chloroform	0.55	J	1.0	0.33	ug/L	1		8260D	Total/NA
Trichloroethene	6.4		1.0	0.31	ug/L	1		8260D	Total/NA
Tetrachloroethene	8.2		1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 460-239070-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.0	0.22	ug/L	1		8260D	Total/NA
Trichloroethene	0.60	J	1.0	0.31	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.9		1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 460-239070-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.0	0.22	ug/L	1		8260D	Total/NA
Trichloroethene	2.7		1.0	0.31	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.5		1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: MW-XX — Lab Sample ID: 460-239070-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.87	J	1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: FB071621 — Lab Sample ID: 460-239070-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8		1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Client Sample ID: TB071621

Lab Sample ID: 460-239070-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.7		1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: MW-1

Date Collected: 07/16/21 10:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 16:20	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 16:20	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 16:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 16:20	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 16:20	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 16:20	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 16:20	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 16:20	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 16:20	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 16:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 16:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			07/21/21 16:20	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 16:20	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 16:20	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 16:20	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 16:20	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 16:20	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 16:20	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 16:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 16:20	1
Trichloroethene	**0.52**	**J**	1.0	0.31	ug/L			07/21/21 16:20	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 16:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 16:20	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 16:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 16:20	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 16:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 16:20	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 16:20	1
Tetrachloroethene	**1.5**		1.0	0.25	ug/L			07/21/21 16:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 16:20	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 16:20	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 16:20	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 16:20	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 16:20	1
m-Xylene & p-Xylene	**1.3**		1.0	0.30	ug/L			07/21/21 16:20	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 16:20	1
Xylenes, Total	**1.3**	**J**	2.0	0.65	ug/L			07/21/21 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 16:20	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 16:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 16:20	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 16:20	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 16:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 16:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 16:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 16:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 16:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 16:20	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 16:20	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 16:20	1

Client Sample ID: MW-1

Date Collected: 07/16/21 10:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 16:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 16:20	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 16:20	1
Isopropylbenzene	**4.0**		1.0	0.34	ug/L			07/21/21 16:20	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 16:20	1
Methylcyclohexane	**1.9**		1.0	0.71	ug/L			07/21/21 16:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12*	*J*	*ug/L*		*1.76*			*07/21/21 16:20*	*1*
Butane, 2-methyl-	*100*	*J N*	*ug/L*		*2.14*	*78-78-4*		*07/21/21 16:20*	*1*
Butane, 2,2-dimethyl-	*12*	*J N*	*ug/L*		*2.63*	*75-83-2*		*07/21/21 16:20*	*1*
Butane, 2,3-dimethyl-	*99*	*J N*	*ug/L*		*2.96*	*79-29-8*		*07/21/21 16:20*	*1*
Unknown	*13*	*J*	*ug/L*		*3.16*			*07/21/21 16:20*	*1*
Pentane, 2,4-dimethyl-	*46*	*J N*	*ug/L*		*3.80*	*108-08-7*		*07/21/21 16:20*	*1*
Unknown	*38*	*J*	*ug/L*		*4.80*			*07/21/21 16:20*	*1*
Pentane, 2,3,4-trimethyl-	*18*	*J N*	*ug/L*		*5.98*	*565-75-3*		*07/21/21 16:20*	*1*
Pentane, 2,3,3-trimethyl-	*36*	*J N*	*ug/L*		*6.11*	*560-21-4*		*07/21/21 16:20*	*1*
Indane	*15*	*J N*	*ug/L*		*10.93*	*496-11-7*		*07/21/21 16:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 123*		*07/21/21 16:20*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/21/21 16:20*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*07/21/21 16:20*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*07/21/21 16:20*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		07/20/21 10:17	07/21/21 00:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 150*	*07/20/21 10:17*	*07/21/21 00:42*	*1*

Client Sample ID: MW-2

Date Collected: 07/16/21 11:55
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-2

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	25	U	25	10	ug/L			07/21/21 16:43	25
Bromomethane	25	U	25	14	ug/L			07/21/21 16:43	25
Vinyl chloride	**14**	**J**	25	4.3	ug/L			07/21/21 16:43	25
Chloroethane	25	U	25	8.0	ug/L			07/21/21 16:43	25
Methylene Chloride	25	U	25	7.9	ug/L			07/21/21 16:43	25
Acetone	130	U	130	110	ug/L			07/21/21 16:43	25
Carbon disulfide	25	U	25	21	ug/L			07/21/21 16:43	25
Trichlorofluoromethane	25	U	25	8.0	ug/L			07/21/21 16:43	25
1,1-Dichloroethene	25	U	25	6.6	ug/L			07/21/21 16:43	25
1,1-Dichloroethane	25	U	25	6.6	ug/L			07/21/21 16:43	25
trans-1,2-Dichloroethene	25	U	25	5.9	ug/L			07/21/21 16:43	25
cis-1,2-Dichloroethene	**110**		25	5.5	ug/L			07/21/21 16:43	25
Chloroform	**11**	**J**	25	8.2	ug/L			07/21/21 16:43	25

Client Sample ID: MW-2

Date Collected: 07/16/21 11:55
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-2

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	25	U	25	11	ug/L			07/21/21 16:43	25
2-Butanone (MEK)	130	U	130	46	ug/L			07/21/21 16:43	25
1,1,1-Trichloroethane	25	U	25	6.0	ug/L			07/21/21 16:43	25
Carbon tetrachloride	25	U	25	5.2	ug/L			07/21/21 16:43	25
Dichlorobromomethane	25	U	25	8.6	ug/L			07/21/21 16:43	25
1,2-Dichloropropane	25	U	25	8.8	ug/L			07/21/21 16:43	25
cis-1,3-Dichloropropene	25	U	25	5.6	ug/L			07/21/21 16:43	25
Trichloroethene	**130**		25	7.9	ug/L			07/21/21 16:43	25
Chlorodibromomethane	25	U	25	7.0	ug/L			07/21/21 16:43	25
1,1,2-Trichloroethane	25	U	25	5.1	ug/L			07/21/21 16:43	25
Benzene	25	U	25	5.1	ug/L			07/21/21 16:43	25
trans-1,3-Dichloropropene	25	U	25	5.6	ug/L			07/21/21 16:43	25
Bromoform	25	U	25	13	ug/L			07/21/21 16:43	25
4-Methyl-2-pentanone (MIBK)	130	U	130	33	ug/L			07/21/21 16:43	25
2-Hexanone	130	U	130	28	ug/L			07/21/21 16:43	25
Tetrachloroethene	**9300**		25	6.2	ug/L			07/21/21 16:43	25
1,1,2,2-Tetrachloroethane	25	U	25	9.2	ug/L			07/21/21 16:43	25
Toluene	25	U	25	9.5	ug/L			07/21/21 16:43	25
Chlorobenzene	25	U	25	9.4	ug/L			07/21/21 16:43	25
Ethylbenzene	25	U	25	7.5	ug/L			07/21/21 16:43	25
Styrene	25	U	25	10	ug/L			07/21/21 16:43	25
m-Xylene & p-Xylene	25	U	25	7.4	ug/L			07/21/21 16:43	25
o-Xylene	25	U	25	9.0	ug/L			07/21/21 16:43	25
Xylenes, Total	50	U	50	16	ug/L			07/21/21 16:43	25
1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	25	7.8	ug/L			07/21/21 16:43	25
2-Methyl-2-propanol	250	U	250	210	ug/L			07/21/21 16:43	25
Methyl tert-butyl ether	25	U	25	5.4	ug/L			07/21/21 16:43	25
Cyclohexane	25	U	25	8.0	ug/L			07/21/21 16:43	25
Ethylene Dibromide	25	U	25	12	ug/L			07/21/21 16:43	25
1,3-Dichlorobenzene	25	U	25	8.6	ug/L			07/21/21 16:43	25
1,4-Dichlorobenzene	25	U	25	8.4	ug/L			07/21/21 16:43	25
1,2-Dichlorobenzene	**27**		25	5.3	ug/L			07/21/21 16:43	25
Dichlorodifluoromethane	25	U	25	7.8	ug/L			07/21/21 16:43	25
1,2,4-Trichlorobenzene	25	U	25	9.1	ug/L			07/21/21 16:43	25
1,4-Dioxane	1300	U	1300	710	ug/L			07/21/21 16:43	25
1,1,1,2-Tetrachloroethane	25	U	25	6.7	ug/L			07/21/21 16:43	25
1,2,3-Trichlorobenzene	25	U	25	8.9	ug/L			07/21/21 16:43	25
1,2-Dibromo-3-Chloropropane	25	U	25	9.4	ug/L			07/21/21 16:43	25
Chlorobromomethane	25	U	25	10	ug/L			07/21/21 16:43	25
Isopropylbenzene	25	U	25	8.4	ug/L			07/21/21 16:43	25
Methyl acetate	130	U *	130	20	ug/L			07/21/21 16:43	25
Methylcyclohexane	25	U	25	18	ug/L			07/21/21 16:43	25

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 16:43*	*25*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 123*		*07/21/21 16:43*	*25*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/21/21 16:43*	*25*
4-Bromofluorobenzene	*104*		*76 - 120*		*07/21/21 16:43*	*25*

Client Sample ID: MW-2

Date Collected: 07/16/21 11:55
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-2

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*07/21/21 16:43*	*25*

Client Sample ID: MW-3A

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-3

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 15:57	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 15:57	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 15:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 15:57	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 15:57	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 15:57	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 15:57	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 15:57	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 15:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 15:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 15:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			07/21/21 15:57	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 15:57	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 15:57	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 15:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 15:57	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 15:57	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 15:57	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 15:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 15:57	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			07/21/21 15:57	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 15:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 15:57	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 15:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 15:57	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 15:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 15:57	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 15:57	1
Tetrachloroethene	**0.57**	**J**	1.0	0.25	ug/L			07/21/21 15:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 15:57	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 15:57	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 15:57	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 15:57	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 15:57	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 15:57	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 15:57	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 15:57	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 15:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 15:57	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 15:57	1

Client Sample ID: MW-3A

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-3

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 15:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 15:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 15:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 15:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 15:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 15:57	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 15:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 15:57	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 15:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 15:57	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 15:57	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 15:57	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 15:57	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 15:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 15:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 123*		*07/21/21 15:57*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/21/21 15:57*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*07/21/21 15:57*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*07/21/21 15:57*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		07/20/21 10:17	07/20/21 21:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 150*	*07/20/21 10:17*	*07/20/21 21:31*	*1*

Client Sample ID: MW-4A

Date Collected: 07/16/21 13:22
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-4

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 15:35	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 15:35	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 15:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 15:35	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 15:35	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 15:35	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 15:35	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 15:35	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 15:35	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 15:35	1
trans-1,2-Dichloroethene	**0.59**	**J**	1.0	0.24	ug/L			07/21/21 15:35	1
cis-1,2-Dichloroethene	**4.0**		1.0	0.22	ug/L			07/21/21 15:35	1
Chloroform	**0.55**	**J**	1.0	0.33	ug/L			07/21/21 15:35	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 15:35	1

Client Sample ID: MW-4A

Date Collected: 07/16/21 13:22
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-4

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 15:35	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 15:35	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 15:35	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 15:35	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 15:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 15:35	1
Trichloroethene	**6.4**		1.0	0.31	ug/L			07/21/21 15:35	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 15:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 15:35	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 15:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 15:35	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 15:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 15:35	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 15:35	1
Tetrachloroethene	**8.2**		1.0	0.25	ug/L			07/21/21 15:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 15:35	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 15:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 15:35	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 15:35	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 15:35	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 15:35	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 15:35	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 15:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 15:35	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 15:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 15:35	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 15:35	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 15:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 15:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 15:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 15:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 15:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 15:35	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 15:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 15:35	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 15:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 15:35	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 15:35	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 15:35	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 15:35	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 15:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 15:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 123*		*07/21/21 15:35*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/21/21 15:35*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*07/21/21 15:35*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*07/21/21 15:35*	*1*

Client Sample ID: MW-5

Date Collected: 07/16/21 08:15
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-5

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 15:11	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 15:11	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 15:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 15:11	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 15:11	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 15:11	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 15:11	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 15:11	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 15:11	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 15:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 15:11	1
cis-1,2-Dichloroethene	**10**		1.0	0.22	ug/L			07/21/21 15:11	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 15:11	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 15:11	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 15:11	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 15:11	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 15:11	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 15:11	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 15:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 15:11	1
Trichloroethene	**0.60**	**J**	1.0	0.31	ug/L			07/21/21 15:11	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 15:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 15:11	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 15:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 15:11	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 15:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 15:11	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 15:11	1
Tetrachloroethene	**1.9**		1.0	0.25	ug/L			07/21/21 15:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 15:11	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 15:11	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 15:11	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 15:11	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 15:11	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 15:11	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 15:11	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 15:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 15:11	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 15:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 15:11	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 15:11	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 15:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 15:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 15:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 15:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 15:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 15:11	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 15:11	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 15:11	1

Client Sample ID: MW-5

Date Collected: 07/16/21 08:15
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-5

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 15:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 15:11	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 15:11	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 15:11	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 15:11	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 15:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 15:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 123*		*07/21/21 15:11*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/21/21 15:11*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*07/21/21 15:11*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*07/21/21 15:11*	*1*

Client Sample ID: MW-6

Date Collected: 07/16/21 09:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-6

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 14:26	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 14:26	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 14:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 14:26	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 14:26	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 14:26	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 14:26	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 14:26	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 14:26	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 14:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 14:26	1
cis-1,2-Dichloroethene	**10**		1.0	0.22	ug/L			07/21/21 14:26	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 14:26	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 14:26	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 14:26	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 14:26	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 14:26	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 14:26	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 14:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 14:26	1
Trichloroethene	**2.7**		1.0	0.31	ug/L			07/21/21 14:26	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 14:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 14:26	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 14:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 14:26	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 14:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 14:26	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 14:26	1

Client Sample ID: MW-6

Date Collected: 07/16/21 09:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-6

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**4.5**		1.0	0.25	ug/L			07/21/21 14:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 14:26	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 14:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 14:26	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 14:26	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 14:26	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 14:26	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 14:26	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 14:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 14:26	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 14:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 14:26	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 14:26	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 14:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 14:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 14:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 14:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 14:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 14:26	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 14:26	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 14:26	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 14:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 14:26	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 14:26	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 14:26	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 14:26	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 14:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 14:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 123*		*07/21/21 14:26*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/21/21 14:26*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*07/21/21 14:26*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*07/21/21 14:26*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		07/20/21 10:17	07/20/21 20:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*10 - 150*	*07/20/21 10:17*	*07/20/21 20:43*	*1*

Client Sample ID: MW-XX

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-7

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 14:49	1

Client Sample ID: MW-XX

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-7

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 14:49	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 14:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 14:49	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 14:49	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 14:49	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 14:49	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 14:49	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 14:49	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 14:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 14:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			07/21/21 14:49	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 14:49	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 14:49	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 14:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 14:49	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 14:49	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 14:49	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 14:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 14:49	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			07/21/21 14:49	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 14:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 14:49	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 14:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 14:49	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 14:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 14:49	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 14:49	1
Tetrachloroethene	**0.87**	**J**	1.0	0.25	ug/L			07/21/21 14:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 14:49	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 14:49	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 14:49	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 14:49	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 14:49	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 14:49	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 14:49	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 14:49	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 14:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 14:49	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 14:49	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 14:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 14:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 14:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 14:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 14:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 14:49	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 14:49	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 14:49	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 14:49	1

Client Sample ID: MW-XX

Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-7

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 14:49	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 14:49	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 14:49	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 14:49	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 14:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 14:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 123*		*07/21/21 14:49*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/21/21 14:49*	*1*
4-Bromofluorobenzene	*97*		*76 - 120*		*07/21/21 14:49*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*07/21/21 14:49*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		07/20/21 10:17	07/20/21 21:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 150*	*07/20/21 10:17*	*07/20/21 21:47*	*1*

Client Sample ID: FB071621

Date Collected: 07/16/21 13:40
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-8

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 14:04	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 14:04	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 14:04	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 14:04	1
Methylene Chloride	**1.8**		1.0	0.32	ug/L			07/21/21 14:04	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 14:04	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 14:04	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 14:04	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 14:04	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 14:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 14:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			07/21/21 14:04	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 14:04	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 14:04	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 14:04	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 14:04	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 14:04	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 14:04	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 14:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 14:04	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			07/21/21 14:04	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 14:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 14:04	1

Client Sample ID: FB071621

Date Collected: 07/16/21 13:40
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-8

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 14:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 14:04	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 14:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 14:04	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 14:04	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			07/21/21 14:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 14:04	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 14:04	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 14:04	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 14:04	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 14:04	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 14:04	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 14:04	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 14:04	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 14:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 14:04	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 14:04	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 14:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 14:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 14:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 14:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 14:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 14:04	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 14:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 14:04	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 14:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 14:04	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 14:04	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 14:04	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 14:04	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 14:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 14:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 123*		*07/21/21 14:04*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/21/21 14:04*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*07/21/21 14:04*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*07/21/21 14:04*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		07/20/21 10:17	07/20/21 22:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 150*	*07/20/21 10:17*	*07/20/21 22:03*	*1*

Client Sample ID: TB071621

Date Collected: 07/16/21 00:00
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-9

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 13:41	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 13:41	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 13:41	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 13:41	1
Methylene Chloride	**1.7**		1.0	0.32	ug/L			07/21/21 13:41	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 13:41	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 13:41	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 13:41	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 13:41	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 13:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 13:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			07/21/21 13:41	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 13:41	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 13:41	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 13:41	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 13:41	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 13:41	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 13:41	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 13:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 13:41	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			07/21/21 13:41	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 13:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 13:41	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 13:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 13:41	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 13:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 13:41	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 13:41	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			07/21/21 13:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 13:41	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 13:41	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 13:41	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 13:41	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 13:41	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 13:41	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 13:41	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 13:41	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 13:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 13:41	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 13:41	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 13:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 13:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 13:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 13:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 13:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 13:41	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 13:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 13:41	1

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Client Sample ID: TB071621
Date Collected: 07/16/21 00:00
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-9
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 13:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 13:41	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 13:41	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 13:41	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			07/21/21 13:41	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 13:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 13:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 123*		*07/21/21 13:41*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/21/21 13:41*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*07/21/21 13:41*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*07/21/21 13:41*	*1*

Surrogate Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-123)	(80-120)	(76-120)	(77-124)
460-239070-1	MW-1	110	102	101	101
460-239070-2	MW-2	110	104	104	105
460-239070-3	MW-3A	112	102	96	105
460-239070-4	MW-4A	112	104	102	99
460-239070-5	MW-5	115	106	102	103
460-239070-6	MW-6	111	104	99	102
460-239070-6 MS	MW-6	109	107	93	101
460-239070-6 MSD	MW-6	116	110	95	95
460-239070-7	MW-XX	111	106	97	101
460-239070-8	FB071621	113	107	98	99
460-239070-9	TB071621	111	107	100	101
LCS 460-791566/4	Lab Control Sample	105	110	96	96
MB 460-791566/10	Method Blank	111	109	97	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)

Isotope Dilution Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DXE (10-150)							
460-239070-1	MW-1	34							
460-239070-3	MW-3A	30							
460-239070-6	MW-6	23							
460-239070-6 MS	MW-6	26							
460-239070-6 MSD	MW-6	27							
460-239070-7	MW-XX	24							
460-239070-8	FB071621	24							
LCS 460-791424/2-A	Lab Control Sample	29							
LCSD 460-791424/3-A	Lab Control Sample Dup	28							
MB 460-791424/1-A	Method Blank	25							

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-791566/10
Matrix: Water
Analysis Batch: 791566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			07/21/21 09:30	1
Bromomethane	1.0	U	1.0	0.55	ug/L			07/21/21 09:30	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			07/21/21 09:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/21/21 09:30	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			07/21/21 09:30	1
Acetone	5.0	U	5.0	4.4	ug/L			07/21/21 09:30	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			07/21/21 09:30	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			07/21/21 09:30	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			07/21/21 09:30	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			07/21/21 09:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/21/21 09:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			07/21/21 09:30	1
Chloroform	1.0	U	1.0	0.33	ug/L			07/21/21 09:30	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 09:30	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			07/21/21 09:30	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			07/21/21 09:30	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			07/21/21 09:30	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			07/21/21 09:30	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			07/21/21 09:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 09:30	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			07/21/21 09:30	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			07/21/21 09:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			07/21/21 09:30	1
Benzene	1.0	U	1.0	0.20	ug/L			07/21/21 09:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			07/21/21 09:30	1
Bromoform	1.0	U	1.0	0.54	ug/L			07/21/21 09:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			07/21/21 09:30	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			07/21/21 09:30	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			07/21/21 09:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			07/21/21 09:30	1
Toluene	1.0	U	1.0	0.38	ug/L			07/21/21 09:30	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 09:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			07/21/21 09:30	1
Styrene	1.0	U	1.0	0.42	ug/L			07/21/21 09:30	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			07/21/21 09:30	1
o-Xylene	1.0	U	1.0	0.36	ug/L			07/21/21 09:30	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			07/21/21 09:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/21/21 09:30	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			07/21/21 09:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			07/21/21 09:30	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			07/21/21 09:30	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			07/21/21 09:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			07/21/21 09:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			07/21/21 09:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			07/21/21 09:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			07/21/21 09:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			07/21/21 09:30	1
1,4-Dioxane	50	U	50	28	ug/L			07/21/21 09:30	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-791566/10
Matrix: Water
Analysis Batch: 791566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			07/21/21 09:30	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			07/21/21 09:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			07/21/21 09:30	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			07/21/21 09:30	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			07/21/21 09:30	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			07/21/21 09:30	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			07/21/21 09:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 123*		*07/21/21 09:30*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/21/21 09:30*	*1*
4-Bromofluorobenzene	*97*		*76 - 120*		*07/21/21 09:30*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*07/21/21 09:30*	*1*

Lab Sample ID: LCS 460-791566/4
Matrix: Water
Analysis Batch: 791566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	22.3		ug/L		111	38 - 150
Bromomethane	20.0	17.6		ug/L		88	43 - 150
Vinyl chloride	20.0	22.1		ug/L		111	61 - 144
Chloroethane	20.0	24.4		ug/L		122	50 - 150
Methylene Chloride	20.0	19.8		ug/L		99	74 - 127
Acetone	100	107		ug/L		107	61 - 134
Carbon disulfide	20.0	22.1		ug/L		111	64 - 138
Trichlorofluoromethane	20.0	18.5		ug/L		93	61 - 140
1,1-Dichloroethene	20.0	18.3		ug/L		91	68 - 133
1,1-Dichloroethane	20.0	23.0		ug/L		115	73 - 130
trans-1,2-Dichloroethene	20.0	19.6		ug/L		98	74 - 126
cis-1,2-Dichloroethene	20.0	18.7		ug/L		93	78 - 121
Chloroform	20.0	19.4		ug/L		97	78 - 125
1,2-Dichloroethane	20.0	18.8		ug/L		94	75 - 121
2-Butanone (MEK)	100	83.0		ug/L		83	69 - 128
1,1,1-Trichloroethane	20.0	18.5		ug/L		93	68 - 128
Carbon tetrachloride	20.0	17.3		ug/L		87	56 - 131
Dichlorobromomethane	20.0	19.9		ug/L		99	72 - 121
1,2-Dichloropropane	20.0	23.4		ug/L		117	76 - 126
cis-1,3-Dichloropropene	20.0	24.0		ug/L		120	74 - 125
Trichloroethene	20.0	17.4		ug/L		87	71 - 121
Chlorodibromomethane	20.0	19.2		ug/L		96	58 - 130
1,1,2-Trichloroethane	20.0	22.6		ug/L		113	74 - 125
Benzene	20.0	21.7		ug/L		109	78 - 126
trans-1,3-Dichloropropene	20.0	24.6		ug/L		123	66 - 127
Bromoform	20.0	20.6		ug/L		103	38 - 144
4-Methyl-2-pentanone (MIBK)	100	92.5		ug/L		93	69 - 128
2-Hexanone	100	87.9		ug/L		88	74 - 127
Tetrachloroethene	20.0	16.9		ug/L		85	70 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-791566/4
Matrix: Water
Analysis Batch: 791566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	23.4		ug/L		117	63 - 139
Toluene	20.0	19.8		ug/L		99	78 - 119
Chlorobenzene	20.0	18.6		ug/L		93	80 - 119
Ethylbenzene	20.0	18.2		ug/L		91	78 - 120
Styrene	20.0	19.2		ug/L		96	75 - 127
m-Xylene & p-Xylene	20.0	18.6		ug/L		93	78 - 123
o-Xylene	20.0	19.0		ug/L		95	78 - 122
Xylenes, Total	40.0	37.6		ug/L		94	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7		ug/L		94	59 - 142
2-Methyl-2-propanol	200	234		ug/L		117	67 - 126
Methyl tert-butyl ether	20.0	20.7		ug/L		104	65 - 131
Cyclohexane	20.0	19.5		ug/L		98	67 - 133
Ethylene Dibromide	20.0	18.8		ug/L		94	69 - 126
1,3-Dichlorobenzene	20.0	16.4		ug/L		82	80 - 121
1,4-Dichlorobenzene	20.0	17.5		ug/L		88	80 - 118
1,2-Dichlorobenzene	20.0	17.0		ug/L		85	79 - 122
Dichlorodifluoromethane	20.0	17.0		ug/L		85	31 - 150
1,2,4-Trichlorobenzene	20.0	17.1		ug/L		86	64 - 132
1,4-Dioxane	400	479		ug/L		120	70 - 142
1,1,1,2-Tetrachloroethane	20.0	17.2		ug/L		86	63 - 129
1,2,3-Trichlorobenzene	20.0	17.9		ug/L		90	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	17.8		ug/L		89	41 - 143
Chlorobromomethane	20.0	17.1		ug/L		86	73 - 126
Isopropylbenzene	20.0	18.7		ug/L		94	79 - 125
Methyl acetate	40.0	59.1	*	ug/L		148	70 - 127
Methylcyclohexane	20.0	19.9		ug/L		100	60 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*

Lab Sample ID: 460-239070-6 MS
Matrix: Water
Analysis Batch: 791566

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	1.0	U	20.0	21.1		ug/L		105	38 - 150
Bromomethane	1.0	U	20.0	17.5		ug/L		88	43 - 150
Vinyl chloride	1.0	U	20.0	21.2		ug/L		106	61 - 144
Chloroethane	1.0	U	20.0	23.5		ug/L		118	50 - 150
Methylene Chloride	1.0	U	20.0	19.8		ug/L		99	74 - 127
Acetone	5.0	U	100	95.3		ug/L		95	61 - 134
Carbon disulfide	1.0	U	20.0	20.9		ug/L		105	64 - 138
Trichlorofluoromethane	1.0	U	20.0	16.9		ug/L		85	61 - 140
1,1-Dichloroethene	1.0	U	20.0	19.9		ug/L		100	68 - 133
1,1-Dichloroethane	1.0	U	20.0	23.0		ug/L		115	73 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-239070-6 MS
Matrix: Water
Analysis Batch: 791566

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	1.0	U	20.0	20.0		ug/L		100	74 - 126
cis-1,2-Dichloroethene	10		20.0	29.5		ug/L		96	78 - 121
Chloroform	1.0	U	20.0	20.3		ug/L		102	78 - 125
1,2-Dichloroethane	1.0	U	20.0	20.6		ug/L		103	75 - 121
2-Butanone (MEK)	5.0	U	100	82.3		ug/L		82	69 - 128
1,1,1-Trichloroethane	1.0	U	20.0	19.8		ug/L		99	68 - 128
Carbon tetrachloride	1.0	U	20.0	19.4		ug/L		97	56 - 131
Dichlorobromomethane	1.0	U	20.0	20.4		ug/L		102	72 - 121
1,2-Dichloropropane	1.0	U	20.0	21.9		ug/L		109	76 - 126
cis-1,3-Dichloropropene	1.0	U	20.0	23.9		ug/L		120	74 - 125
Trichloroethene	2.7		20.0	20.9		ug/L		91	71 - 121
Chlorodibromomethane	1.0	U	20.0	19.1		ug/L		96	58 - 130
1,1,2-Trichloroethane	1.0	U	20.0	21.8		ug/L		109	74 - 125
Benzene	1.0	U	20.0	21.5		ug/L		107	78 - 126
trans-1,3-Dichloropropene	1.0	U	20.0	22.7		ug/L		113	66 - 127
Bromoform	1.0	U	20.0	20.1		ug/L		101	38 - 144
4-Methyl-2-pentanone (MIBK)	5.0	U	100	92.9		ug/L		93	69 - 128
2-Hexanone	5.0	U	100	93.4		ug/L		93	74 - 127
Tetrachloroethene	4.5		20.0	20.9		ug/L		82	70 - 127
1,1,2,2-Tetrachloroethane	1.0	U	20.0	25.2		ug/L		126	63 - 139
Toluene	1.0	U	20.0	19.5		ug/L		98	78 - 119
Chlorobenzene	1.0	U	20.0	17.8		ug/L		89	80 - 119
Ethylbenzene	1.0	U	20.0	18.7		ug/L		93	78 - 120
Styrene	1.0	U	20.0	17.9		ug/L		90	75 - 127
m-Xylene & p-Xylene	1.0	U	20.0	18.2		ug/L		91	78 - 123
o-Xylene	1.0	U	20.0	17.9		ug/L		89	78 - 122
Xylenes, Total	2.0	U	40.0	36.0		ug/L		90	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	19.6		ug/L		98	59 - 142
2-Methyl-2-propanol	10	U	200	210		ug/L		105	67 - 126
Methyl tert-butyl ether	1.0	U	20.0	20.8		ug/L		104	65 - 131
Cyclohexane	1.0	U	20.0	21.0		ug/L		105	67 - 133
Ethylene Dibromide	1.0	U	20.0	20.6		ug/L		103	69 - 126
1,3-Dichlorobenzene	1.0	U	20.0	16.8		ug/L		84	80 - 121
1,4-Dichlorobenzene	1.0	U	20.0	17.7		ug/L		88	80 - 118
1,2-Dichlorobenzene	1.0	U	20.0	16.9		ug/L		85	79 - 122
Dichlorodifluoromethane	1.0	U	20.0	17.7		ug/L		88	31 - 150
1,2,4-Trichlorobenzene	1.0	U	20.0	16.3		ug/L		81	64 - 132
1,4-Dioxane	50	U	400	373		ug/L		93	70 - 142
1,1,1,2-Tetrachloroethane	1.0	U	20.0	17.7		ug/L		88	63 - 129
1,2,3-Trichlorobenzene	1.0	U	20.0	17.7		ug/L		89	53 - 144
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	20.9		ug/L		105	41 - 143
Chlorobromomethane	1.0	U	20.0	18.1		ug/L		91	73 - 126
Isopropylbenzene	1.0	U	20.0	18.2		ug/L		91	79 - 125
Methyl acetate	5.0	U *	40.0	57.9	*	ug/L		145	70 - 127
Methylcyclohexane	1.0	U	20.0	20.9		ug/L		105	60 - 139

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-239070-6 MS
Matrix: Water
Analysis Batch: 791566

Client Sample ID: MW-6
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene	*93*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*

Lab Sample ID: 460-239070-6 MSD
Matrix: Water
Analysis Batch: 791566

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	1.0	U	20.0	21.3		ug/L		107	38 - 150	1	30
Bromomethane	1.0	U	20.0	16.7		ug/L		84	43 - 150	5	30
Vinyl chloride	1.0	U	20.0	22.5		ug/L		112	61 - 144	6	30
Chloroethane	1.0	U	20.0	23.6		ug/L		118	50 - 150	0	30
Methylene Chloride	1.0	U	20.0	19.4		ug/L		97	74 - 127	2	30
Acetone	5.0	U	100	97.4		ug/L		97	61 - 134	2	30
Carbon disulfide	1.0	U	20.0	19.7		ug/L		99	64 - 138	6	30
Trichlorofluoromethane	1.0	U	20.0	18.8		ug/L		94	61 - 140	11	30
1,1-Dichloroethene	1.0	U	20.0	19.1		ug/L		95	68 - 133	4	30
1,1-Dichloroethane	1.0	U	20.0	22.0		ug/L		110	73 - 130	5	30
trans-1,2-Dichloroethene	1.0	U	20.0	19.1		ug/L		96	74 - 126	5	30
cis-1,2-Dichloroethene	10		20.0	26.8		ug/L		82	78 - 121	10	30
Chloroform	1.0	U	20.0	19.5		ug/L		97	78 - 125	4	30
1,2-Dichloroethane	1.0	U	20.0	18.6		ug/L		93	75 - 121	11	30
2-Butanone (MEK)	5.0	U	100	77.2		ug/L		77	69 - 128	6	30
1,1,1-Trichloroethane	1.0	U	20.0	18.2		ug/L		91	68 - 128	8	30
Carbon tetrachloride	1.0	U	20.0	16.4		ug/L		82	56 - 131	16	30
Dichlorobromomethane	1.0	U	20.0	18.5		ug/L		92	72 - 121	10	30
1,2-Dichloropropane	1.0	U	20.0	21.2		ug/L		106	76 - 126	3	30
cis-1,3-Dichloropropene	1.0	U	20.0	23.0		ug/L		115	74 - 125	4	30
Trichloroethene	2.7		20.0	20.3		ug/L		88	71 - 121	3	30
Chlorodibromomethane	1.0	U	20.0	18.3		ug/L		92	58 - 130	4	30
1,1,2-Trichloroethane	1.0	U	20.0	20.1		ug/L		101	74 - 125	8	30
Benzene	1.0	U	20.0	20.8		ug/L		104	78 - 126	3	30
trans-1,3-Dichloropropene	1.0	U	20.0	22.9		ug/L		115	66 - 127	1	30
Bromoform	1.0	U	20.0	18.9		ug/L		94	38 - 144	6	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	88.1		ug/L		88	69 - 128	5	30
2-Hexanone	5.0	U	100	86.8		ug/L		87	74 - 127	7	30
Tetrachloroethene	4.5		20.0	20.3		ug/L		79	70 - 127	3	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	24.4		ug/L		122	63 - 139	3	30
Toluene	1.0	U	20.0	19.1		ug/L		96	78 - 119	2	30
Chlorobenzene	1.0	U	20.0	17.0		ug/L		85	80 - 119	5	30
Ethylbenzene	1.0	U	20.0	18.1		ug/L		91	78 - 120	3	30
Styrene	1.0	U	20.0	17.0		ug/L		85	75 - 127	5	30
m-Xylene & p-Xylene	1.0	U	20.0	17.3		ug/L		86	78 - 123	5	30
o-Xylene	1.0	U	20.0	17.9		ug/L		90	78 - 122	0	30
Xylenes, Total	2.0	U	40.0	35.2		ug/L		88	78 - 122	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	18.6		ug/L		93	59 - 142	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-239070-6 MSD
Matrix: Water
Analysis Batch: 791566

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methyl-2-propanol	10	U	200	189		ug/L		94	67 - 126	11	30
Methyl tert-butyl ether	1.0	U	20.0	20.2		ug/L		101	65 - 131	3	30
Cyclohexane	1.0	U	20.0	19.4		ug/L		97	67 - 133	8	30
Ethylene Dibromide	1.0	U	20.0	20.2		ug/L		101	69 - 126	2	30
1,3-Dichlorobenzene	1.0	U	20.0	16.9		ug/L		84	80 - 121	1	30
1,4-Dichlorobenzene	1.0	U	20.0	16.9		ug/L		85	80 - 118	5	30
1,2-Dichlorobenzene	1.0	U	20.0	16.3		ug/L		82	79 - 122	4	30
Dichlorodifluoromethane	1.0	U	20.0	15.5		ug/L		78	31 - 150	13	30
1,2,4-Trichlorobenzene	1.0	U	20.0	16.9		ug/L		84	64 - 132	3	30
1,4-Dioxane	50	U	400	531	*	ug/L		133	70 - 142	35	30
1,1,1,2-Tetrachloroethane	1.0	U	20.0	17.8		ug/L		89	63 - 129	1	30
1,2,3-Trichlorobenzene	1.0	U	20.0	17.7		ug/L		89	53 - 144	0	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	20.4		ug/L		102	41 - 143	3	30
Chlorobromomethane	1.0	U	20.0	17.5		ug/L		88	73 - 126	3	30
Isopropylbenzene	1.0	U	20.0	17.8		ug/L		89	79 - 125	2	30
Methyl acetate	5.0	U *	40.0	56.6	*	ug/L		141	70 - 127	2	30
Methylcyclohexane	1.0	U	20.0	19.8		ug/L		99	60 - 139	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 123*
Toluene-d8 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene	*95*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-791424/1-A
Matrix: Water
Analysis Batch: 791477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 791424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		07/20/21 10:17	07/20/21 19:55	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 150*	*07/20/21 10:17*	*07/20/21 19:55*	*1*

Lab Sample ID: LCS 460-791424/2-A
Matrix: Water
Analysis Batch: 791477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 791424

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			1.60	1.85		ug/L		116	50 - 142		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*29*		*10 - 150*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCSD 460-791424/3-A
Matrix: Water
Analysis Batch: 791477

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 791424

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			1.60	1.73		ug/L		108	50 - 142	7	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*28*		*10 - 150*

Lab Sample ID: 460-239070-6 MS
Matrix: Water
Analysis Batch: 791477

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 791424

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	0.20	U	1.60	1.98		ug/L		124	50 - 142

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*26*		*10 - 150*

Lab Sample ID: 460-239070-6 MSD
Matrix: Water
Analysis Batch: 791477

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 791424

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	0.20	U	4.00	15.8	*	ug/L		396	50 - 142	155	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*27*		*10 - 150*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
*	MS or MSD is outside acceptance limits.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 791566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-239070-1	MW-1	Total/NA	Water	8260D	
460-239070-2	MW-2	Total/NA	Water	8260D	
460-239070-3	MW-3A	Total/NA	Water	8260D	
460-239070-4	MW-4A	Total/NA	Water	8260D	
460-239070-5	MW-5	Total/NA	Water	8260D	
460-239070-6	MW-6	Total/NA	Water	8260D	
460-239070-7	MW-XX	Total/NA	Water	8260D	
460-239070-8	FB071621	Total/NA	Water	8260D	
460-239070-9	TB071621	Total/NA	Water	8260D	
MB 460-791566/10	Method Blank	Total/NA	Water	8260D	
LCS 460-791566/4	Lab Control Sample	Total/NA	Water	8260D	
460-239070-6 MS	MW-6	Total/NA	Water	8260D	
460-239070-6 MSD	MW-6	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 791424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-239070-1	MW-1	Total/NA	Water	3510C	
460-239070-3	MW-3A	Total/NA	Water	3510C	
460-239070-6	MW-6	Total/NA	Water	3510C	
460-239070-7	MW-XX	Total/NA	Water	3510C	
460-239070-8	FB071621	Total/NA	Water	3510C	
MB 460-791424/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-791424/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-791424/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-239070-6 MS	MW-6	Total/NA	Water	3510C	
460-239070-6 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 791477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-239070-1	MW-1	Total/NA	Water	8270E SIM ID	791424
460-239070-3	MW-3A	Total/NA	Water	8270E SIM ID	791424
460-239070-6	MW-6	Total/NA	Water	8270E SIM ID	791424
460-239070-7	MW-XX	Total/NA	Water	8270E SIM ID	791424
460-239070-8	FB071621	Total/NA	Water	8270E SIM ID	791424
MB 460-791424/1-A	Method Blank	Total/NA	Water	8270E SIM ID	791424
LCS 460-791424/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	791424
LCSD 460-791424/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	791424
460-239070-6 MS	MW-6	Total/NA	Water	8270E SIM ID	791424
460-239070-6 MSD	MW-6	Total/NA	Water	8270E SIM ID	791424

Client Sample ID: MW-1
Date Collected: 07/16/21 10:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 16:20	CJM	TAL EDI
Total/NA	Prep	3510C			791424	07/20/21 10:17	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	791477	07/21/21 00:42	MME	TAL EDI

Client Sample ID: MW-2
Date Collected: 07/16/21 11:55
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		25	791566	07/21/21 16:43	CJM	TAL EDI

Client Sample ID: MW-3A
Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 15:57	CJM	TAL EDI
Total/NA	Prep	3510C			791424	07/20/21 10:17	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	791477	07/20/21 21:31	MME	TAL EDI

Client Sample ID: MW-4A
Date Collected: 07/16/21 13:22
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 15:35	CJM	TAL EDI

Client Sample ID: MW-5
Date Collected: 07/16/21 08:15
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 15:11	CJM	TAL EDI

Client Sample ID: MW-6
Date Collected: 07/16/21 09:20
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 14:26	CJM	TAL EDI
Total/NA	Prep	3510C			791424	07/20/21 10:17	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	791477	07/20/21 20:43	MME	TAL EDI

Lab Chronicle

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Client Sample ID: MW-XX
Date Collected: 07/16/21 12:35
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 14:49	CJM	TAL EDI
Total/NA	Prep	3510C			791424	07/20/21 10:17	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	791477	07/20/21 21:47	MME	TAL EDI

Client Sample ID: FB071621
Date Collected: 07/16/21 13:40
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 14:04	CJM	TAL EDI
Total/NA	Prep	3510C			791424	07/20/21 10:17	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	791477	07/20/21 22:03	MME	TAL EDI

Client Sample ID: TB071621
Date Collected: 07/16/21 00:00
Date Received: 07/16/21 19:00

Lab Sample ID: 460-239070-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	791566	07/21/21 13:41	CJM	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-239070-1

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-1	460-239070-1	101	110	102	101
MW-2	460-239070-2	105	110	104	104
MW-3A	460-239070-3	105	112	102	96
MW-4A	460-239070-4	99	112	104	102
MW-5	460-239070-5	103	115	106	102
MW-6	460-239070-6	102	111	104	99
MW-XX	460-239070-7	101	111	106	97
FB071621	460-239070-8	99	113	107	98
TB071621	460-239070-9	101	111	107	100
	MB 460-791566/10	99	111	109	97
	LCS 460-791566/4	96	105	110	96
MW-6 MS	460-239070-6 MS	101	109	107	93
MW-6 MSD	460-239070-6 MSD	95	116	110	95

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-124
DCA = 1,2-Dichloroethane-d4 (Surr)	75-123
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F17236.D

Lab ID: LCS 460-791566/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	22.3	111	38-150	
Bromomethane	20.0	17.6	88	43-150	
Vinyl chloride	20.0	22.1	111	61-144	
Chloroethane	20.0	24.4	122	50-150	
Methylene Chloride	20.0	19.8	99	74-127	
Acetone	100	107	107	61-134	
Carbon disulfide	20.0	22.1	111	64-138	
Trichlorofluoromethane	20.0	18.5	93	61-140	
1,1-Dichloroethene	20.0	18.3	91	68-133	
1,1-Dichloroethane	20.0	23.0	115	73-130	
trans-1,2-Dichloroethene	20.0	19.6	98	74-126	
cis-1,2-Dichloroethene	20.0	18.7	93	78-121	
Chloroform	20.0	19.4	97	78-125	
1,2-Dichloroethane	20.0	18.8	94	75-121	
2-Butanone (MEK)	100	83.0	83	69-128	
1,1,1-Trichloroethane	20.0	18.5	93	68-128	
Carbon tetrachloride	20.0	17.3	87	56-131	
Dichlorobromomethane	20.0	19.9	99	72-121	
1,2-Dichloropropane	20.0	23.4	117	76-126	
cis-1,3-Dichloropropene	20.0	24.0	120	74-125	
Trichloroethene	20.0	17.4	87	71-121	
Chlorodibromomethane	20.0	19.2	96	58-130	
1,1,2-Trichloroethane	20.0	22.6	113	74-125	
Benzene	20.0	21.7	109	78-126	
trans-1,3-Dichloropropene	20.0	24.6	123	66-127	
Bromoform	20.0	20.6	103	38-144	
4-Methyl-2-pentanone (MIBK)	100	92.5	93	69-128	
2-Hexanone	100	87.9	88	74-127	
Tetrachloroethene	20.0	16.9	85	70-127	
1,1,2,2-Tetrachloroethane	20.0	23.4	117	63-139	
Toluene	20.0	19.8	99	78-119	
Chlorobenzene	20.0	18.6	93	80-119	
Ethylbenzene	20.0	18.2	91	78-120	
Styrene	20.0	19.2	96	75-127	
m-Xylene & p-Xylene	20.0	18.6	93	78-123	
o-Xylene	20.0	19.0	95	78-122	
Xylenes, Total	40.0	37.6	94	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7	94	59-142	
2-Methyl-2-propanol	200	234	117	67-126	
Methyl tert-butyl ether	20.0	20.7	104	65-131	
Cyclohexane	20.0	19.5	98	67-133	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F17236.D

Lab ID: LCS 460-791566/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethylene Dibromide	20.0	18.8	94	69-126	
1,3-Dichlorobenzene	20.0	16.4	82	80-121	
1,4-Dichlorobenzene	20.0	17.5	88	80-118	
1,2-Dichlorobenzene	20.0	17.0	85	79-122	
Dichlorodifluoromethane	20.0	17.0	85	31-150	
1,2,4-Trichlorobenzene	20.0	17.1	86	64-132	
1,4-Dioxane	400	479	120	70-142	
1,1,1,2-Tetrachloroethane	20.0	17.2	86	63-129	
1,2,3-Trichlorobenzene	20.0	17.9	90	53-144	
1,2-Dibromo-3-Chloropropane	20.0	17.8	89	41-143	
Chlorobromomethane	20.0	17.1	86	73-126	
Isopropylbenzene	20.0	18.7	94	79-125	
Methyl acetate	40.0	59.1	148	70-127	*
Methylcyclohexane	20.0	19.9	100	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F17249.D

Lab ID: 460-239070-6 MS Client ID: MW-6 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	20.0	1.0 U	21.1	105	38-150	
Bromomethane	20.0	1.0 U	17.5	88	43-150	
Vinyl chloride	20.0	1.0 U	21.2	106	61-144	
Chloroethane	20.0	1.0 U	23.5	118	50-150	
Methylene Chloride	20.0	1.0 U	19.8	99	74-127	
Acetone	100	5.0 U	95.3	95	61-134	
Carbon disulfide	20.0	1.0 U	20.9	105	64-138	
Trichlorofluoromethane	20.0	1.0 U	16.9	85	61-140	
1,1-Dichloroethene	20.0	1.0 U	19.9	100	68-133	
1,1-Dichloroethane	20.0	1.0 U	23.0	115	73-130	
trans-1,2-Dichloroethene	20.0	1.0 U	20.0	100	74-126	
cis-1,2-Dichloroethene	20.0	10	29.5	96	78-121	
Chloroform	20.0	1.0 U	20.3	102	78-125	
1,2-Dichloroethane	20.0	1.0 U	20.6	103	75-121	
2-Butanone (MEK)	100	5.0 U	82.3	82	69-128	
1,1,1-Trichloroethane	20.0	1.0 U	19.8	99	68-128	
Carbon tetrachloride	20.0	1.0 U	19.4	97	56-131	
Dichlorobromomethane	20.0	1.0 U	20.4	102	72-121	
1,2-Dichloropropane	20.0	1.0 U	21.9	109	76-126	
cis-1,3-Dichloropropene	20.0	1.0 U	23.9	120	74-125	
Trichloroethene	20.0	2.7	20.9	91	71-121	
Chlorodibromomethane	20.0	1.0 U	19.1	96	58-130	
1,1,2-Trichloroethane	20.0	1.0 U	21.8	109	74-125	
Benzene	20.0	1.0 U	21.5	107	78-126	
trans-1,3-Dichloropropene	20.0	1.0 U	22.7	113	66-127	
Bromoform	20.0	1.0 U	20.1	101	38-144	
4-Methyl-2-pentanone (MIBK)	100	5.0 U	92.9	93	69-128	
2-Hexanone	100	5.0 U	93.4	93	74-127	
Tetrachloroethene	20.0	4.5	20.9	82	70-127	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	25.2	126	63-139	
Toluene	20.0	1.0 U	19.5	98	78-119	
Chlorobenzene	20.0	1.0 U	17.8	89	80-119	
Ethylbenzene	20.0	1.0 U	18.7	93	78-120	
Styrene	20.0	1.0 U	17.9	90	75-127	
m-Xylene & p-Xylene	20.0	1.0 U	18.2	91	78-123	
o-Xylene	20.0	1.0 U	17.9	89	78-122	
Xylenes, Total	40.0	2.0 U	36.0	90	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	1.0 U	19.6	98	59-142	
2-Methyl-2-propanol	200	10 U	210	105	67-126	
Methyl tert-butyl ether	20.0	1.0 U	20.8	104	65-131	
Cyclohexane	20.0	1.0 U	21.0	105	67-133	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F17249.D

Lab ID: 460-239070-6 MS Client ID: MW-6 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Ethylene Dibromide	20.0	1.0 U	20.6	103	69-126	
1,3-Dichlorobenzene	20.0	1.0 U	16.8	84	80-121	
1,4-Dichlorobenzene	20.0	1.0 U	17.7	88	80-118	
1,2-Dichlorobenzene	20.0	1.0 U	16.9	85	79-122	
Dichlorodifluoromethane	20.0	1.0 U	17.7	88	31-150	
1,2,4-Trichlorobenzene	20.0	1.0 U	16.3	81	64-132	
1,4-Dioxane	400	50 U	373	93	70-142	
1,1,1,2-Tetrachloroethane	20.0	1.0 U	17.7	88	63-129	
1,2,3-Trichlorobenzene	20.0	1.0 U	17.7	89	53-144	
1,2-Dibromo-3-Chloropropane	20.0	1.0 U	20.9	105	41-143	
Chlorobromomethane	20.0	1.0 U	18.1	91	73-126	
Isopropylbenzene	20.0	1.0 U	18.2	91	79-125	
Methyl acetate	40.0	5.0 U	57.9	145	70-127	*
Methylcyclohexane	20.0	1.0 U	20.9	105	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F17250.D

Lab ID: 460-239070-6 MSD Client ID: MW-6 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	20.0	21.3	107	1	30	38-150	
Bromomethane	20.0	16.7	84	5	30	43-150	
Vinyl chloride	20.0	22.5	112	6	30	61-144	
Chloroethane	20.0	23.6	118	0	30	50-150	
Methylene Chloride	20.0	19.4	97	2	30	74-127	
Acetone	100	97.4	97	2	30	61-134	
Carbon disulfide	20.0	19.7	99	6	30	64-138	
Trichlorofluoromethane	20.0	18.8	94	11	30	61-140	
1,1-Dichloroethene	20.0	19.1	95	4	30	68-133	
1,1-Dichloroethane	20.0	22.0	110	5	30	73-130	
trans-1,2-Dichloroethene	20.0	19.1	96	5	30	74-126	
cis-1,2-Dichloroethene	20.0	26.8	82	10	30	78-121	
Chloroform	20.0	19.5	97	4	30	78-125	
1,2-Dichloroethane	20.0	18.6	93	11	30	75-121	
2-Butanone (MEK)	100	77.2	77	6	30	69-128	
1,1,1-Trichloroethane	20.0	18.2	91	8	30	68-128	
Carbon tetrachloride	20.0	16.4	82	16	30	56-131	
Dichlorobromomethane	20.0	18.5	92	10	30	72-121	
1,2-Dichloropropane	20.0	21.2	106	3	30	76-126	
cis-1,3-Dichloropropene	20.0	23.0	115	4	30	74-125	
Trichloroethene	20.0	20.3	88	3	30	71-121	
Chlorodibromomethane	20.0	18.3	92	4	30	58-130	
1,1,2-Trichloroethane	20.0	20.1	101	8	30	74-125	
Benzene	20.0	20.8	104	3	30	78-126	
trans-1,3-Dichloropropene	20.0	22.9	115	1	30	66-127	
Bromoform	20.0	18.9	94	6	30	38-144	
4-Methyl-2-pentanone (MIBK)	100	88.1	88	5	30	69-128	
2-Hexanone	100	86.8	87	7	30	74-127	
Tetrachloroethene	20.0	20.3	79	3	30	70-127	
1,1,2,2-Tetrachloroethane	20.0	24.4	122	3	30	63-139	
Toluene	20.0	19.1	96	2	30	78-119	
Chlorobenzene	20.0	17.0	85	5	30	80-119	
Ethylbenzene	20.0	18.1	91	3	30	78-120	
Styrene	20.0	17.0	85	5	30	75-127	
m-Xylene & p-Xylene	20.0	17.3	86	5	30	78-123	
o-Xylene	20.0	17.9	90	0	30	78-122	
Xylenes, Total	40.0	35.2	88	2	30	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.6	93	5	30	59-142	
2-Methyl-2-propanol	200	189	94	11	30	67-126	
Methyl tert-butyl ether	20.0	20.2	101	3	30	65-131	
Cyclohexane	20.0	19.4	97	8	30	67-133	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F17250.D

Lab ID: 460-239070-6 MSD Client ID: MW-6 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylene Dibromide	20.0	20.2	101	2	30	69-126	
1,3-Dichlorobenzene	20.0	16.9	84	1	30	80-121	
1,4-Dichlorobenzene	20.0	16.9	85	5	30	80-118	
1,2-Dichlorobenzene	20.0	16.3	82	4	30	79-122	
Dichlorodifluoromethane	20.0	15.5	78	13	30	31-150	
1,2,4-Trichlorobenzene	20.0	16.9	84	3	30	64-132	
1,4-Dioxane	400	531	133	35	30	70-142	*
1,1,1,2-Tetrachloroethane	20.0	17.8	89	1	30	63-129	
1,2,3-Trichlorobenzene	20.0	17.7	89	0	30	53-144	
1,2-Dibromo-3-Chloropropane	20.0	20.4	102	3	30	41-143	
Chlorobromomethane	20.0	17.5	88	3	30	73-126	
Isopropylbenzene	20.0	17.8	89	2	30	79-125	
Methyl acetate	40.0	56.6	141	2	30	70-127	*
Methylcyclohexane	20.0	19.8	99	6	30	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab File ID: F17242.D Lab Sample ID: MB 460-791566/10

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS6 Date Analyzed: 07/21/2021 09:30

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-791566/4	F17236.D	07/21/2021 07:07
MW-6 MS	460-239070-6 MS	F17249.D	07/21/2021 12:10
MW-6 MSD	460-239070-6 MSD	F17250.D	07/21/2021 12:32
TB071621	460-239070-9	F17253.D	07/21/2021 13:41
FB071621	460-239070-8	F17254.D	07/21/2021 14:04
MW-6	460-239070-6	F17255.D	07/21/2021 14:26
MW-XX	460-239070-7	F17256.D	07/21/2021 14:49
MW-5	460-239070-5	F17257.D	07/21/2021 15:11
MW-4A	460-239070-4	F17258.D	07/21/2021 15:35
MW-3A	460-239070-3	F17259.D	07/21/2021 15:57
MW-1	460-239070-1	F17260.D	07/21/2021 16:20
MW-2	460-239070-2	F17261.D	07/21/2021 16:43

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab File ID: F16850.D BFB Injection Date: 07/10/2021

Instrument ID: CVOAMS6 BFB Injection Time: 07:58

Analysis Batch No.: 789505

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	110.5
96	5 - 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	90.5
175	5 - 9% of m/z 174	7.4
176	95 -105% of m/z 174	97.4
177	5 - 10% of m/z 176	6.1

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-789505/3	F16852.D	07/10/2021	8:45
	STD1 460-789505/5	F16854.D	07/10/2021	9:31
	STD5 460-789505/6	F16855.D	07/10/2021	9:53
	STD20 460-789505/7	F16856.D	07/10/2021	10:15
	STD50 460-789505/8	F16857.D	07/10/2021	10:38
	STD200 460-789505/9	F16858.D	07/10/2021	11:00
	STD500 460-789505/10	F16859.D	07/10/2021	11:23
	ICV 460-789505/15	F16864.D	07/10/2021	13:16

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Sample No.: STD20 460-789505/7 Date Analyzed: 07/10/2021 10:15

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F16856.D Heated Purge: (Y/N) N

Calibration ID: 86294

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		279448	3.05	280702	4.04	483136	5.10
UPPER LIMIT		558896	3.55	561404	4.54	966272	5.60
LOWER LIMIT		139724	2.55	140351	3.54	241568	4.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-789505/15		359188	3.08	351991	4.06	563434	5.11

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260D

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Sample No.: STD20 460-789505/7 Date Analyzed: 07/10/2021 10:15

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F16856.D Heated Purge: (Y/N) N

Calibration ID: 86294

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		25135	5.77	386543	8.49	260788	10.77
UPPER LIMIT		50270	6.27	773086	8.99	521576	11.27
LOWER LIMIT		12568	5.27	193272	7.99	130394	10.27
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-789505/15		26909	5.80	423647	8.49	285556	10.77

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260D

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Sample No.: CCVIS 460-791566/3 Date Analyzed: 07/21/2021 06:43

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F17235.D Heated Purge: (Y/N) N

Calibration ID: 86294

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		419260	3.05	495285	4.04	529722	5.09
UPPER LIMIT		838520	3.55	990570	4.54	1059444	5.59
LOWER LIMIT		209630	2.55	247643	3.54	264861	4.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-791566/4		401421	3.05	486431	4.05	521054	5.10
MB 460-791566/10		440220	3.06	477646	4.05	526053	5.10
460-239070-6 MS	MW-6 MS	544408	3.07	575542	4.05	567285	5.11
460-239070-6 MSD	MW-6 MSD	557798	3.05	599518	4.05	585792	5.10
460-239070-9	TB071621	416297	3.06	451250	4.04	484391	5.10
460-239070-8	FB071621	463953	3.05	486215	4.05	523903	5.10
460-239070-6	MW-6	429787	3.06	436095	4.05	473356	5.11
460-239070-7	MW-XX	434927	3.06	431141	4.05	465805	5.10
460-239070-5	MW-5	435579	3.06	436230	4.05	438757	5.10
460-239070-4	MW-4A	408965	3.06	419293	4.06	479784	5.11
460-239070-3	MW-3A	405495	3.06	393474	4.05	430395	5.10
460-239070-1	MW-1	407576	3.06	403475	4.05	441886	5.11
460-239070-2	MW-2	339490	3.05	344117	4.06	392312	5.11

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260D

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Sample No.: CCVIS 460-791566/3 Date Analyzed: 07/21/2021 06:43

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F17235.D Heated Purge: (Y/N) N

Calibration ID: 86294

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		29250	5.78	391328	8.49	246187	10.76
UPPER LIMIT		58500	6.28	782656	8.99	492374	11.26
LOWER LIMIT		14625	5.28	195664	7.99	123094	10.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-791566/4		29270	5.77	380165	8.49	242023	10.76
MB 460-791566/10		27428	5.80	387204	8.48	255176	10.76
460-239070-6 MS	MW-6 MS	39296	5.79	424821	8.49	257230	10.77
460-239070-6 MSD	MW-6 MSD	34185	5.78	426697	8.48	266539	10.76
460-239070-9	TB071621	27788	5.78	361883	8.49	243242	10.76
460-239070-8	FB071621	31833	5.79	399506	8.49	262978	10.77
460-239070-6	MW-6	27244	5.78	357930	8.49	244140	10.77
460-239070-7	MW-XX	29865	5.77	351687	8.48	236643	10.77
460-239070-5	MW-5	26070	5.78	333838	8.49	220463	10.77
460-239070-4	MW-4A	24949	5.78	362010	8.49	242885	10.76
460-239070-3	MW-3A	29061	5.77	335520	8.49	220032	10.77
460-239070-1	MW-1	27305	5.79	345621	8.49	233643	10.77
460-239070-2	MW-2	20958	5.80	300648	8.49	203604	10.76

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260D

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-239070-1

Matrix: Water Lab File ID: F17260.D

Analysis Method: 8260D Date Collected: 07/16/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 16:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	0.52	J	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	1.5		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.3		1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-239070-1

Matrix: Water Lab File ID: F17260.D

Analysis Method: 8260D Date Collected: 07/16/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 16:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	1.3	J	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	4.0		1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.9		1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	101		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-239070-1

Matrix: Water Lab File ID: F17260.D

Analysis Method: 8260D Date Collected: 07/16/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 16:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 10 TIC Result Total: 389

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.76	12	J	
78-78-4	Butane, 2-methyl-	2.14	100	J N	81%
75-83-2	Butane, 2,2-dimethyl-	2.63	12	J N	80%
79-29-8	Butane, 2,3-dimethyl-	2.96	99	J N	86%
	Unknown	3.16	13	J	
108-08-7	Pentane, 2,4-dimethyl-	3.80	46	J N	86%
	Unknown	4.80	38	J	
565-75-3	Pentane, 2,3,4-trimethyl-	5.98	18	J N	86%
560-21-4	Pentane, 2,3,3-trimethyl-	6.11	36	J N	78%
496-11-7	Indane	10.93	15	J N	93%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D
Lims ID: 460-239070-B-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 21-Jul-2021 16:20:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-1
Misc. Info.: 460-0132123-028
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 16:02:47 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:54:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	407576	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	403475	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	92	130779	50.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	223016	54.9	
* 61 Fluorobenzene	96	5.107	5.091	0.016	97	441886	50.0	
63 Trichloroethene	95	5.436	5.436	0.000	22	1666	0.5246	
65 Methylcyclohexane	83	5.568	5.568	0.000	1	11008	1.86	Ma
* 67 1,4-Dioxane-d8	96	5.789	5.781	0.008	0	27305	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	97	451003	50.8	
83 Tetrachloroethene	166	7.416	7.400	0.016	78	5524	1.53	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	94	345621	50.0	
93 m-Xylene & p-Xylene	106	8.789	8.780	0.009	0	7970	1.31	
99 Isopropylbenzene	105	9.660	9.660	0.000	98	71695	3.99	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	84	161790	50.6	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	97	233643	50.0	
S 132 Xylenes, Total	100				0		1.31	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D
Lims ID: 460-239070-B-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 21-Jul-2021 16:20:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-1
Misc. Info.: 460-0132123-028
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 16:02:47 Calib Date: 10-Jul-2021 11:23:30
Tic RT Window: 0.000 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\chromfs\Edison\Database\NIST02.L
Min. Match: 70

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:54:50

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
1.763	263852	11.9	61					
	78-78-4	Butane, 2-methyl-						
2.141	2232697	100.3	61	81	701	C5H12	72	
	75-83-2	Butane, 2,2-dimethyl-						
2.634	261146	11.7	61	80	1810	C6H14	86	
	79-29-8	Butane, 2,3-dimethyl-						
2.963	2205700	99.1	61	86	1806	C6H14	86	
		Unknown						
3.160	297602	13.4	61					
	108-08-7	Pentane, 2,4-dimethyl-						
3.801	1027380	46.1	61	86	3909	C7H16	100	
		Unknown						
4.803	836803	37.6	61					
	565-75-3	Pentane, 2,3,4-trimethyl-						
5.978	408868	18.4	61	86	7459	C8H18	114	
	560-21-4	Pentane, 2,3,3-trimethyl-						
6.110	803863	36.1	61	78	7458	C8H18	114	
	496-11-7	Indane						
10.933	489798	15.3	116	93	8676	C9H10	118	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	5.099	1113124	50.0
* 116 1,4-Dichlorobenzene-d4	10.761	1604328	50.0

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

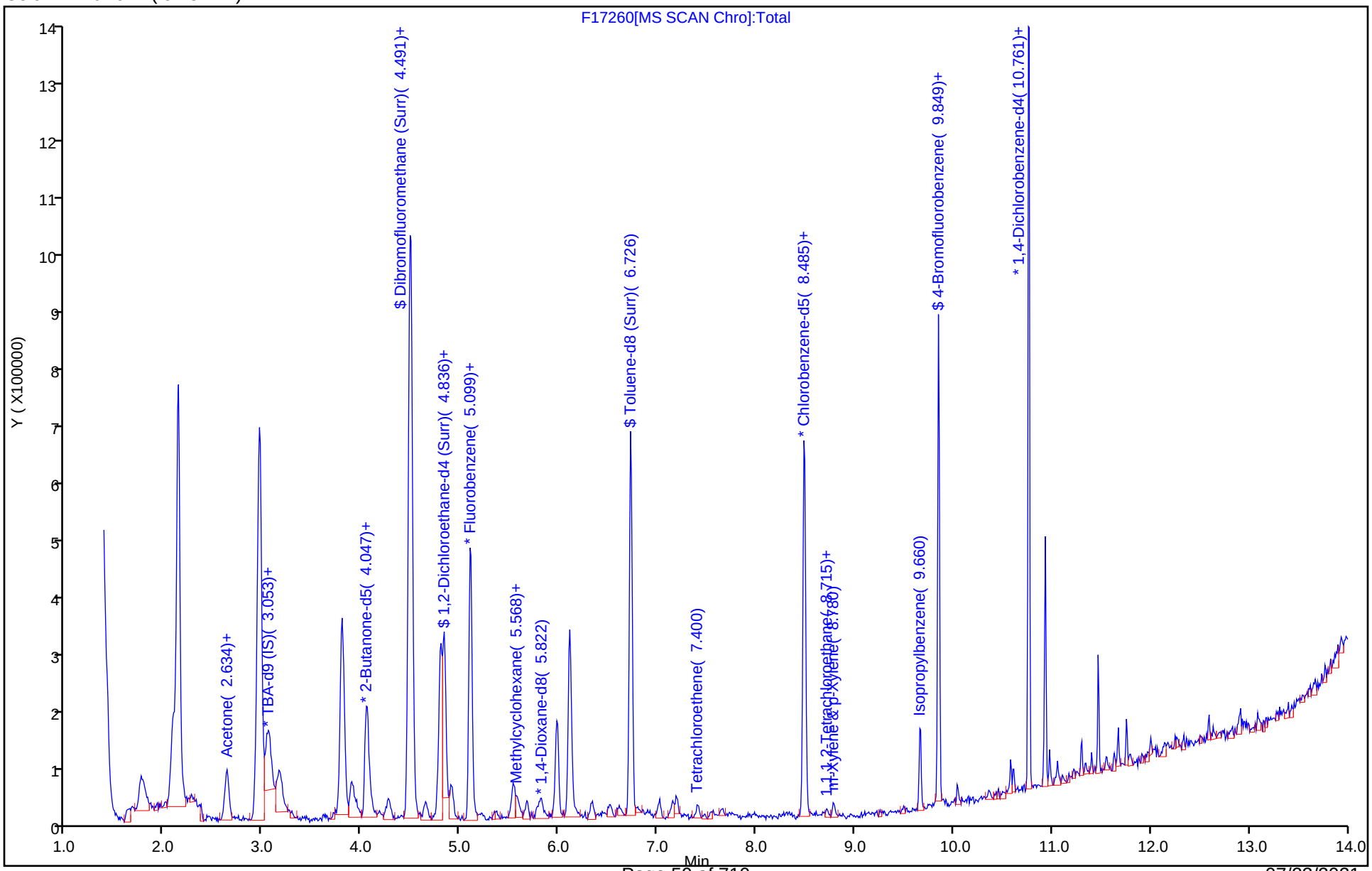
Report Date: 23-Jul-2021 16:02:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D

Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1	Worklist Smp#:	28
Client ID:	MW-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

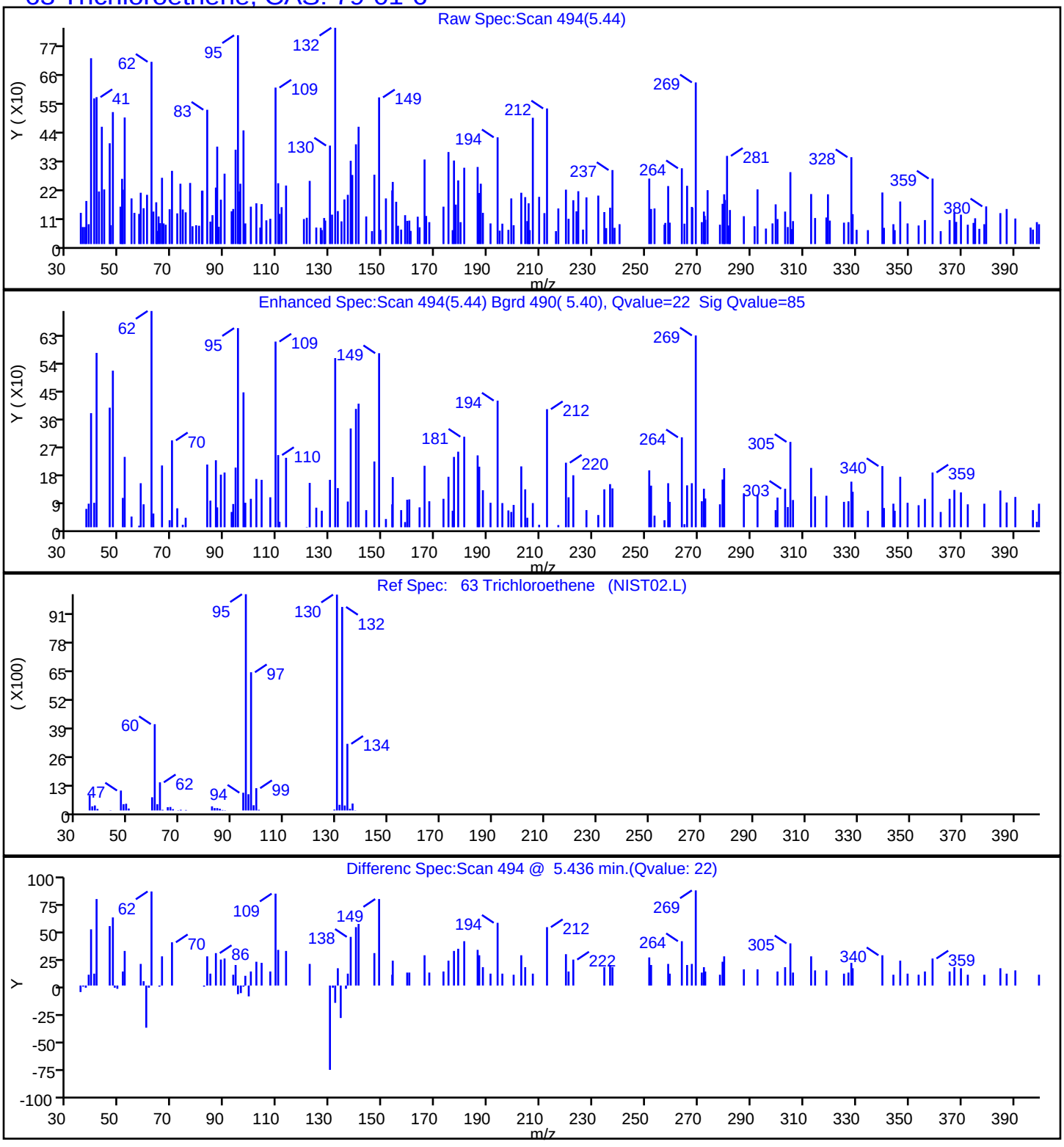
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D		
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1
Client ID:	MW-1		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

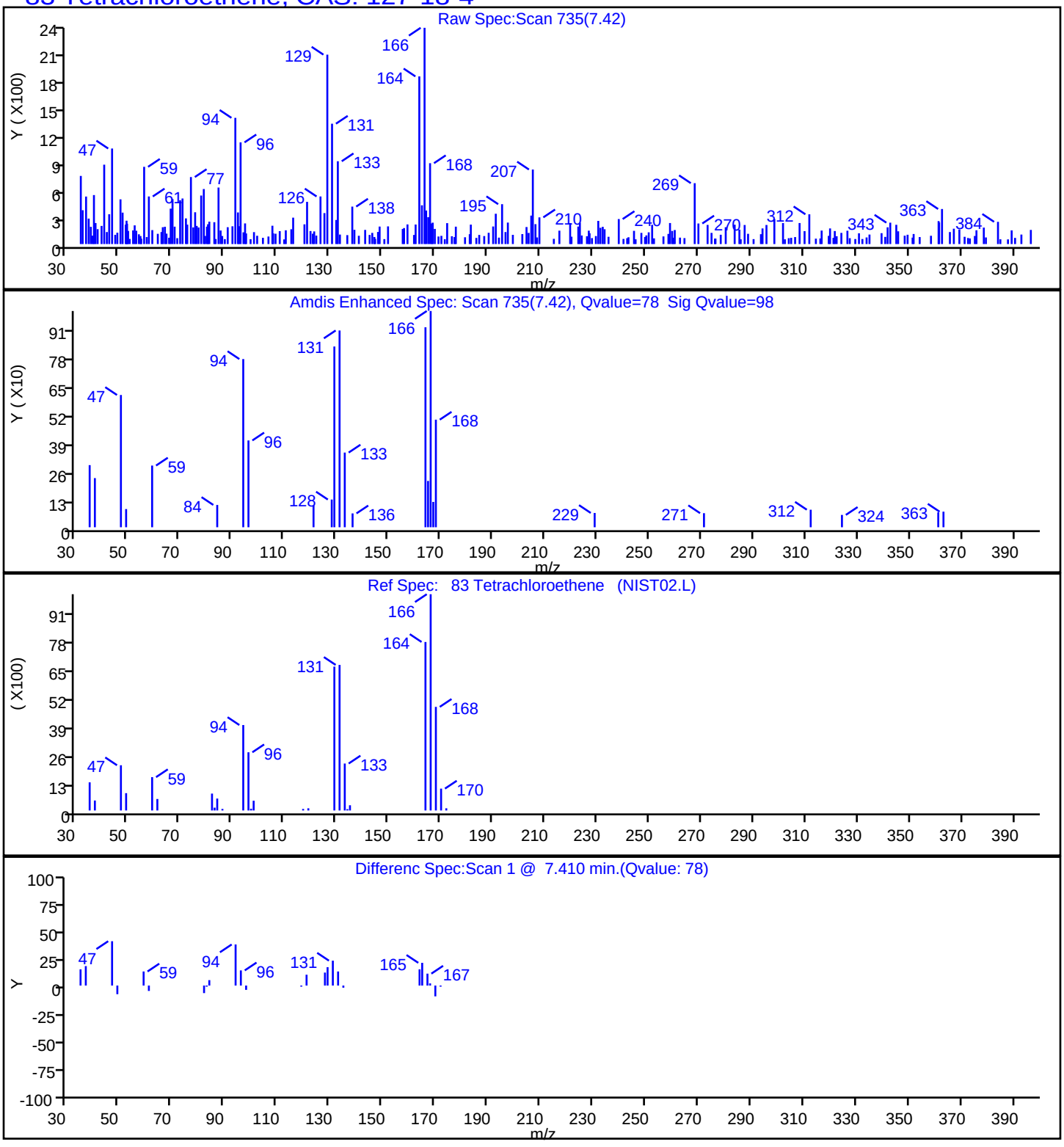
63 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

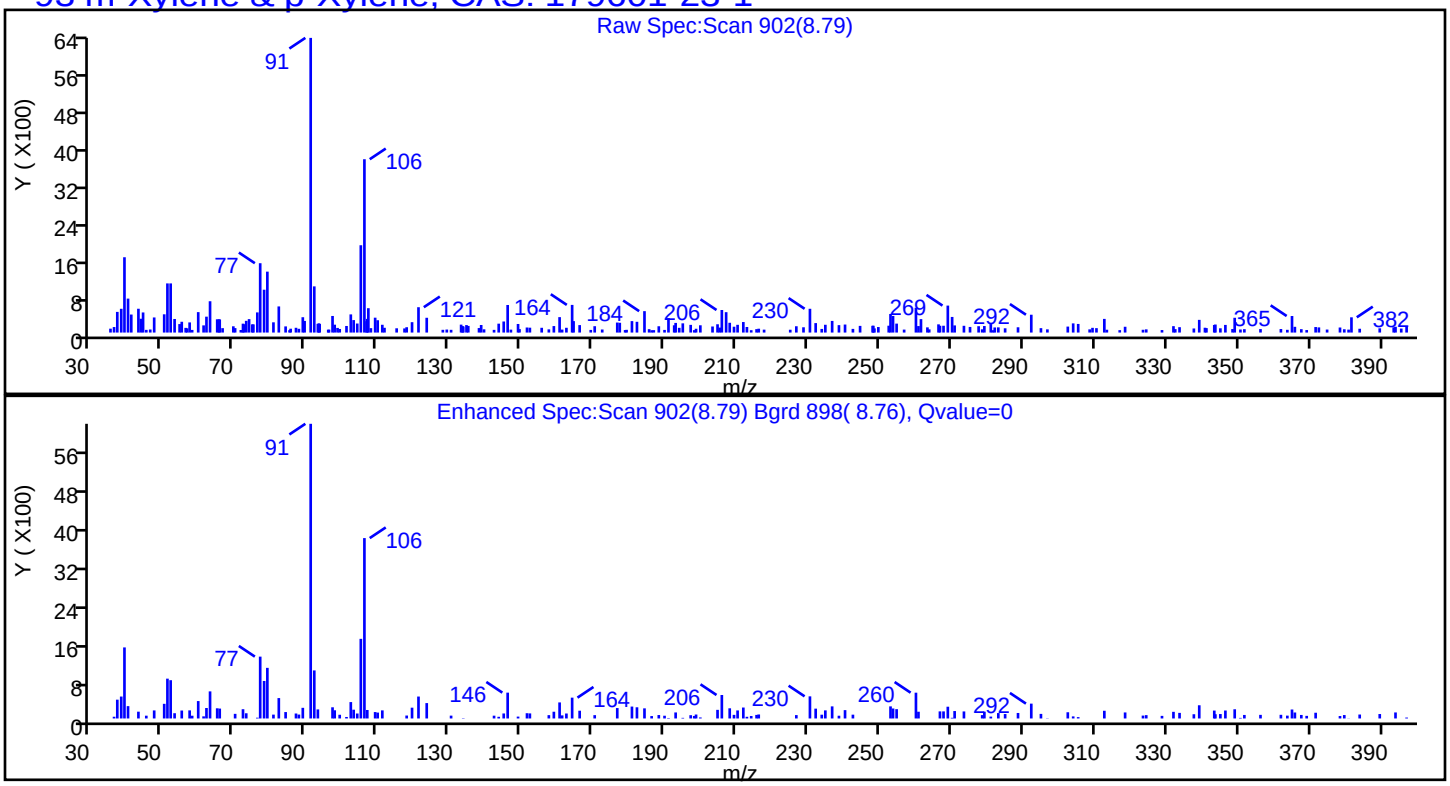
83 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

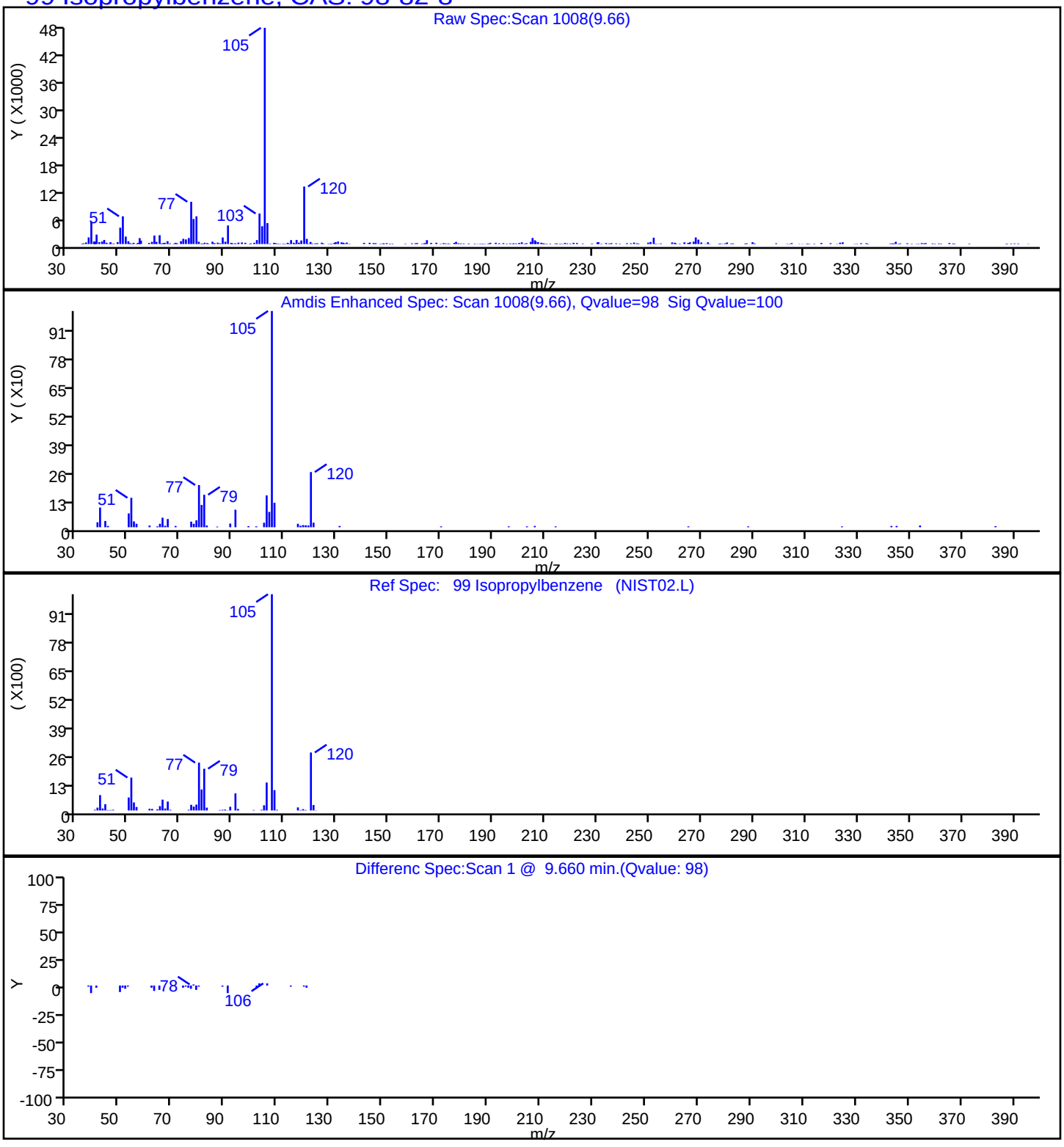
93 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

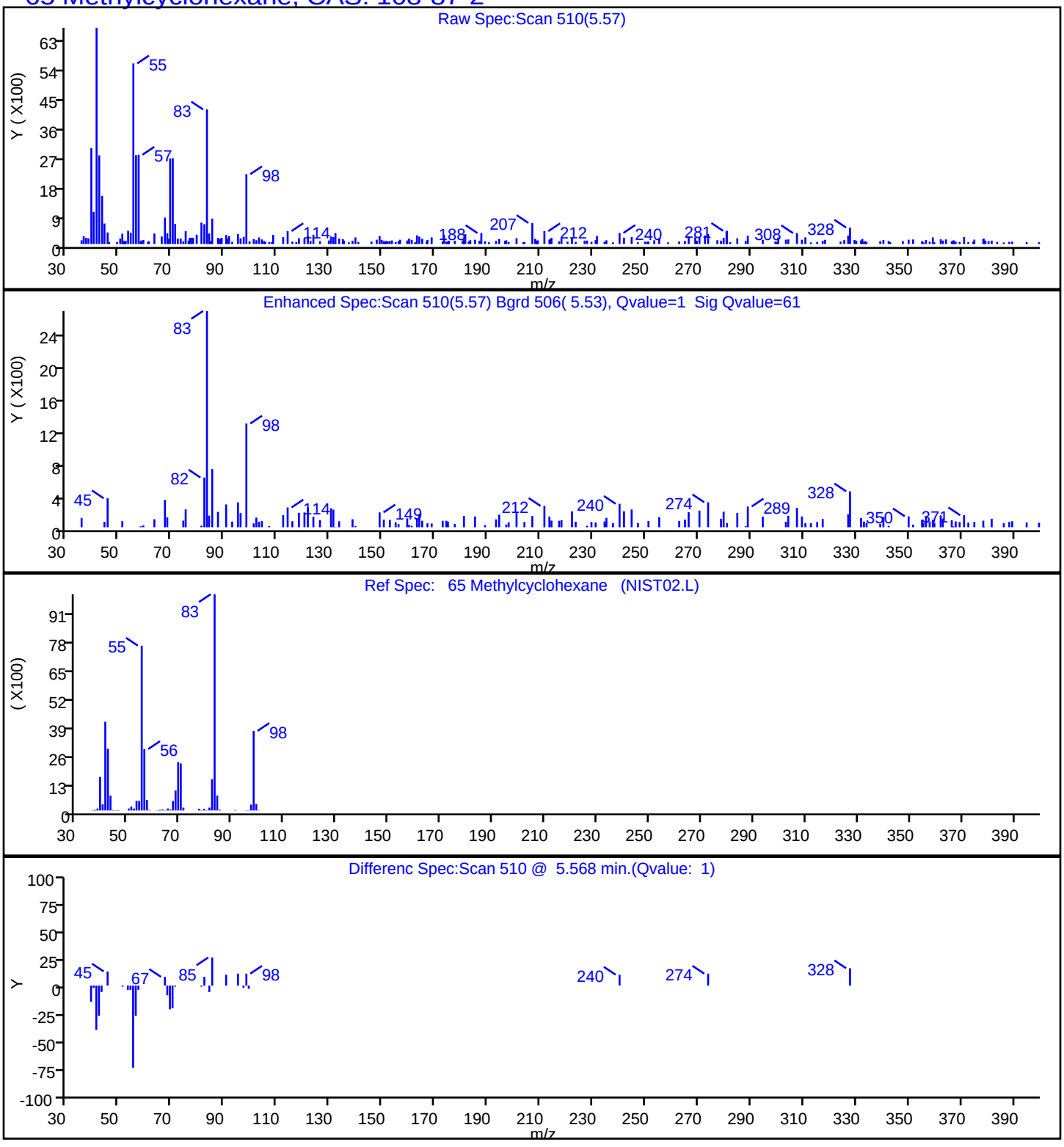
99 Isopropylbenzene, CAS: 98-82-8



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

65 Methylcyclohexane, CAS: 108-87-2



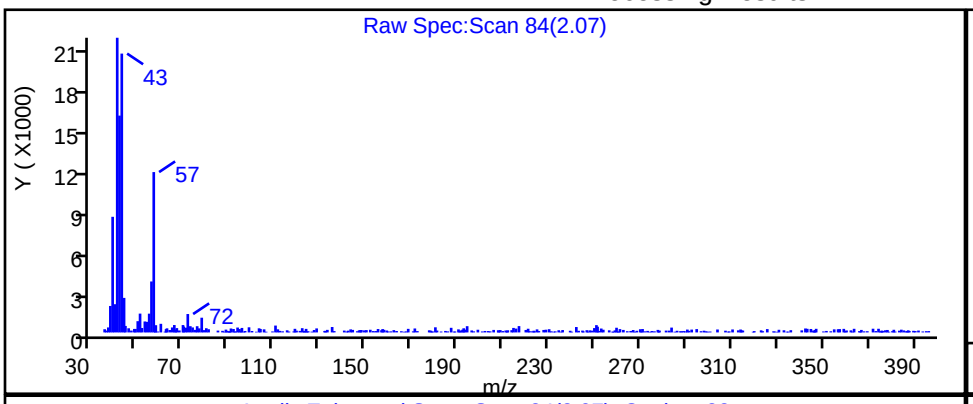
User Disabled Compound Report

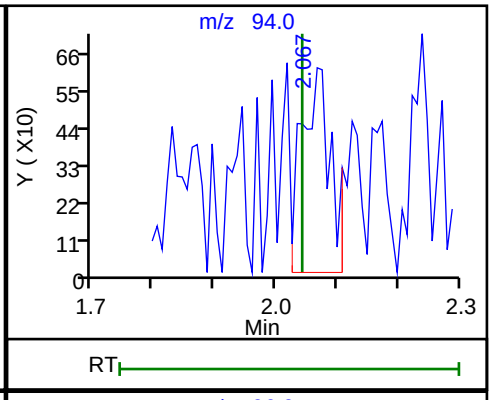
Eurofins TestAmerica, Edison

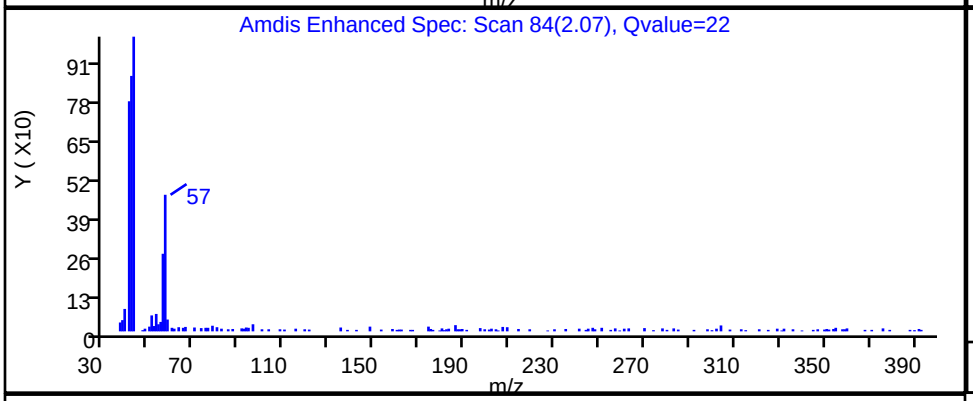
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

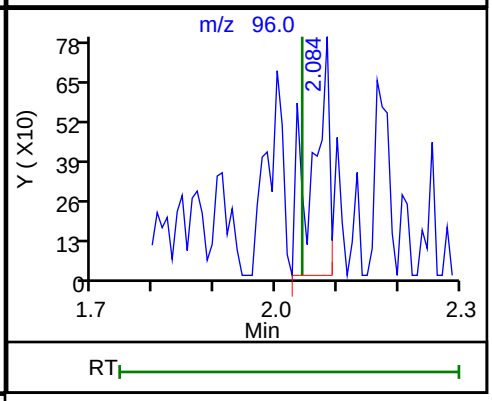
5 Bromomethane, CAS: 74-83-9

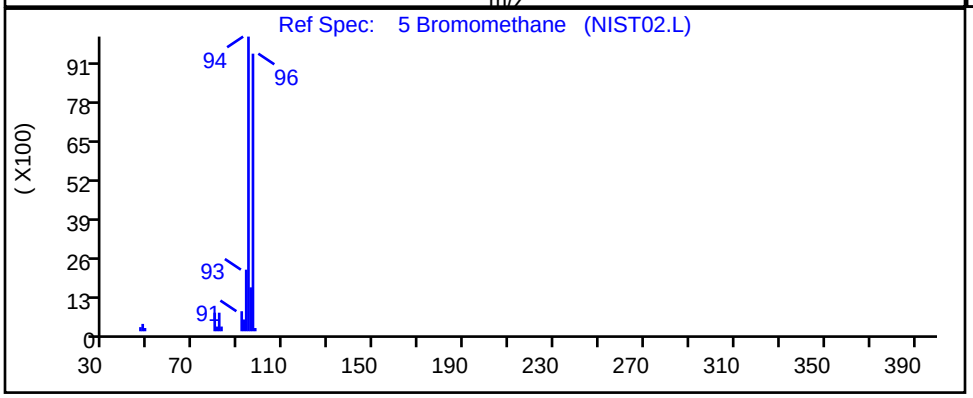
Processing Results











RT	Mass	Response	Amount
2.07	94.00	2029	0.427151
2.08	96.00	1530	

Reviewer: parekhv, 21-Jul-2021 16:53:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

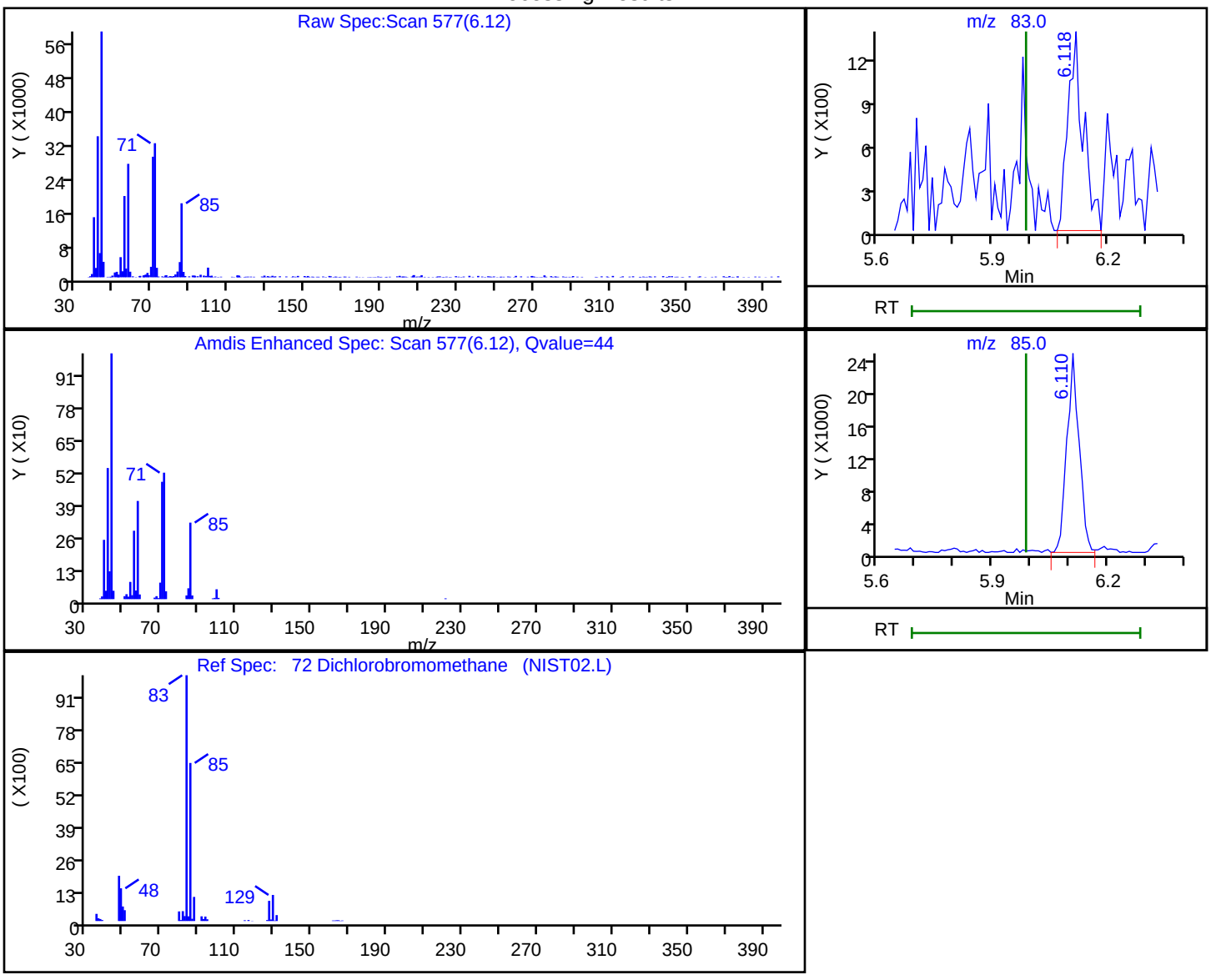
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

72 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
6.12	83.00	3763	0.847939
6.11	85.00	54450	

Reviewer: parekhv, 21-Jul-2021 16:54:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

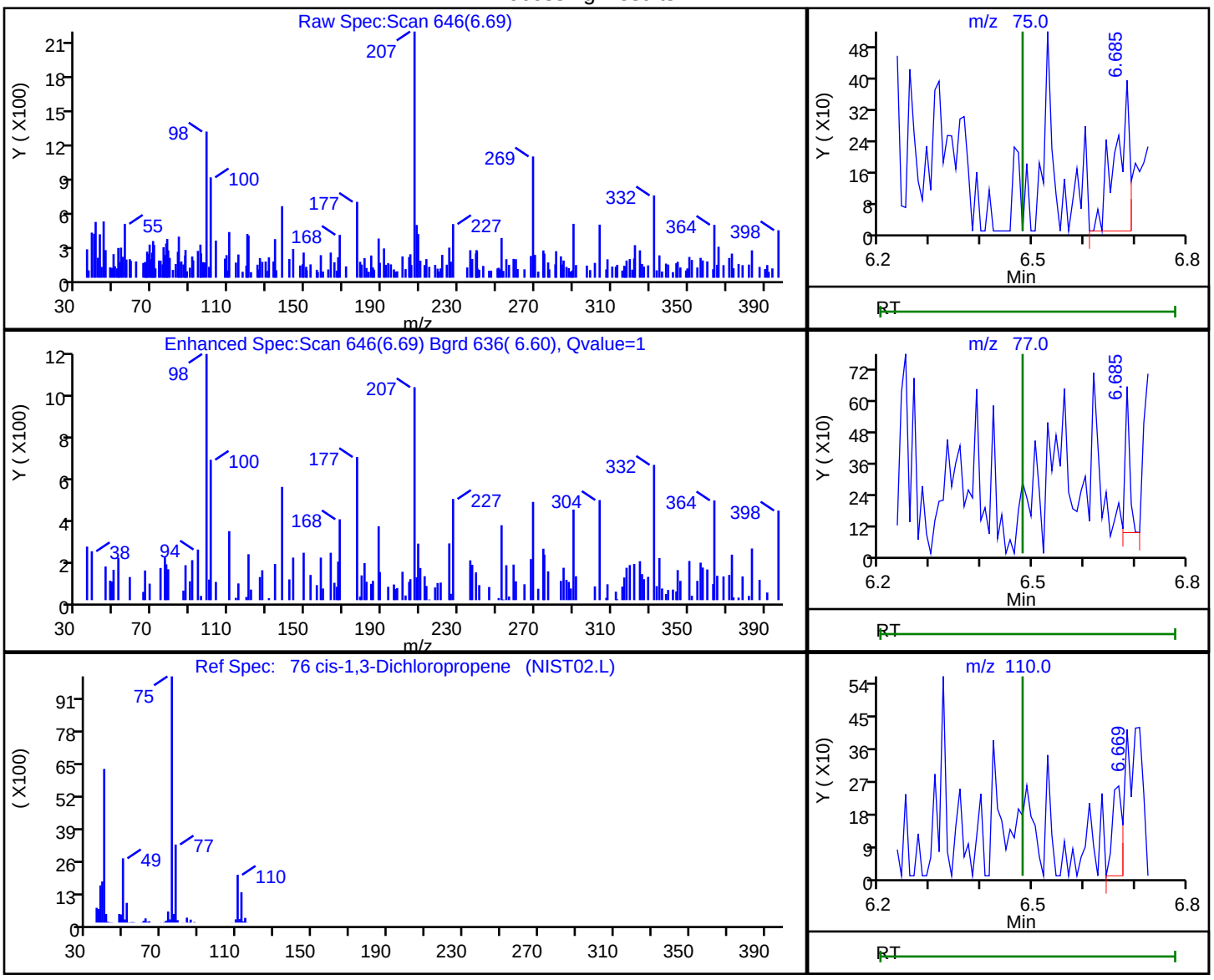
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

76 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results



RT	Mass	Response	Amount
6.69	75.00	747	0.182491
6.69	77.00	344	
6.67	110.00	342	

Reviewer: parekhv, 21-Jul-2021 16:54:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

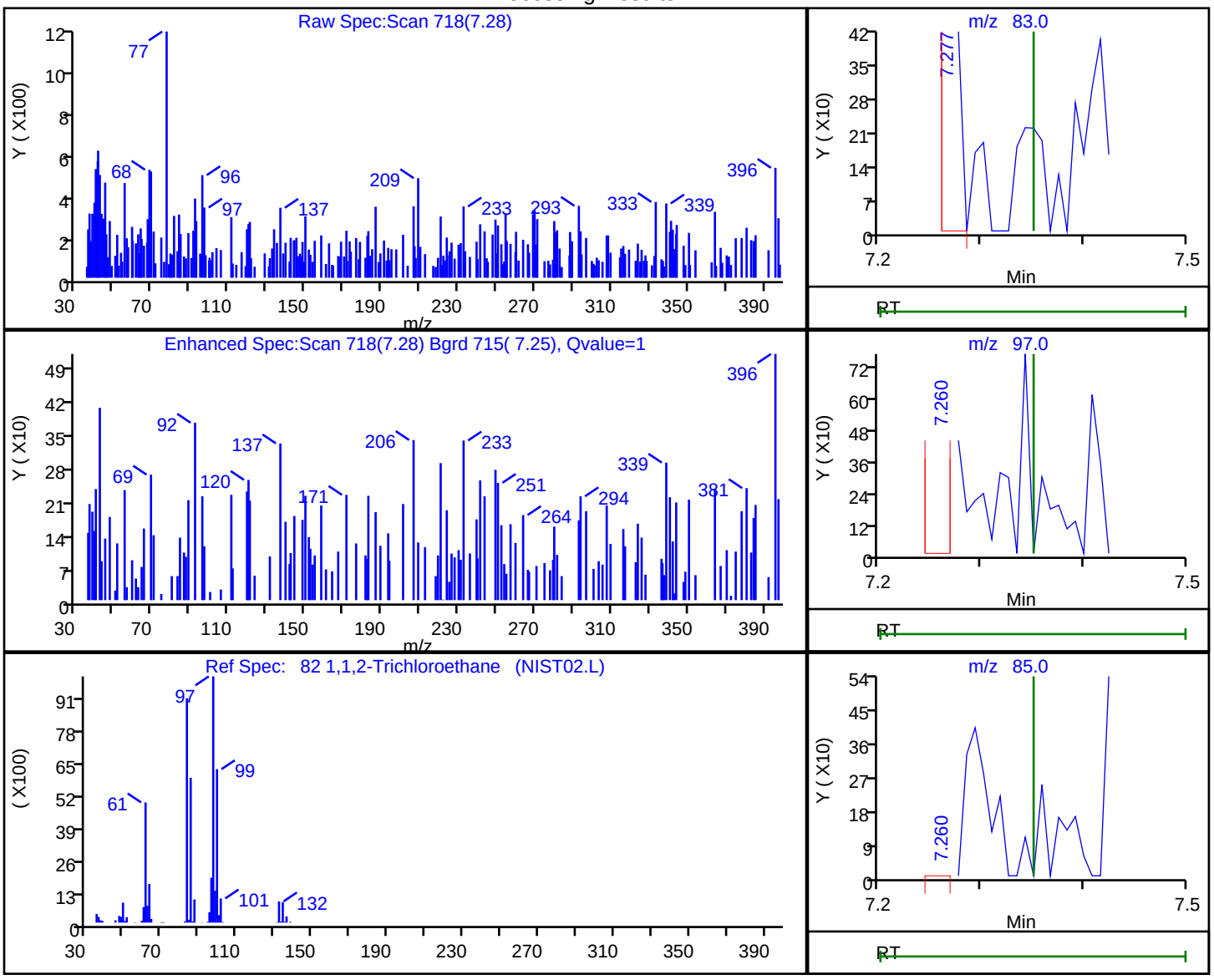
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D		
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1
Client ID:	MW-1		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.28	83.00	395	0.198084
7.26	97.00	400	
7.26	85.00	277	

Reviewer: parekhv, 21-Jul-2021 16:54:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

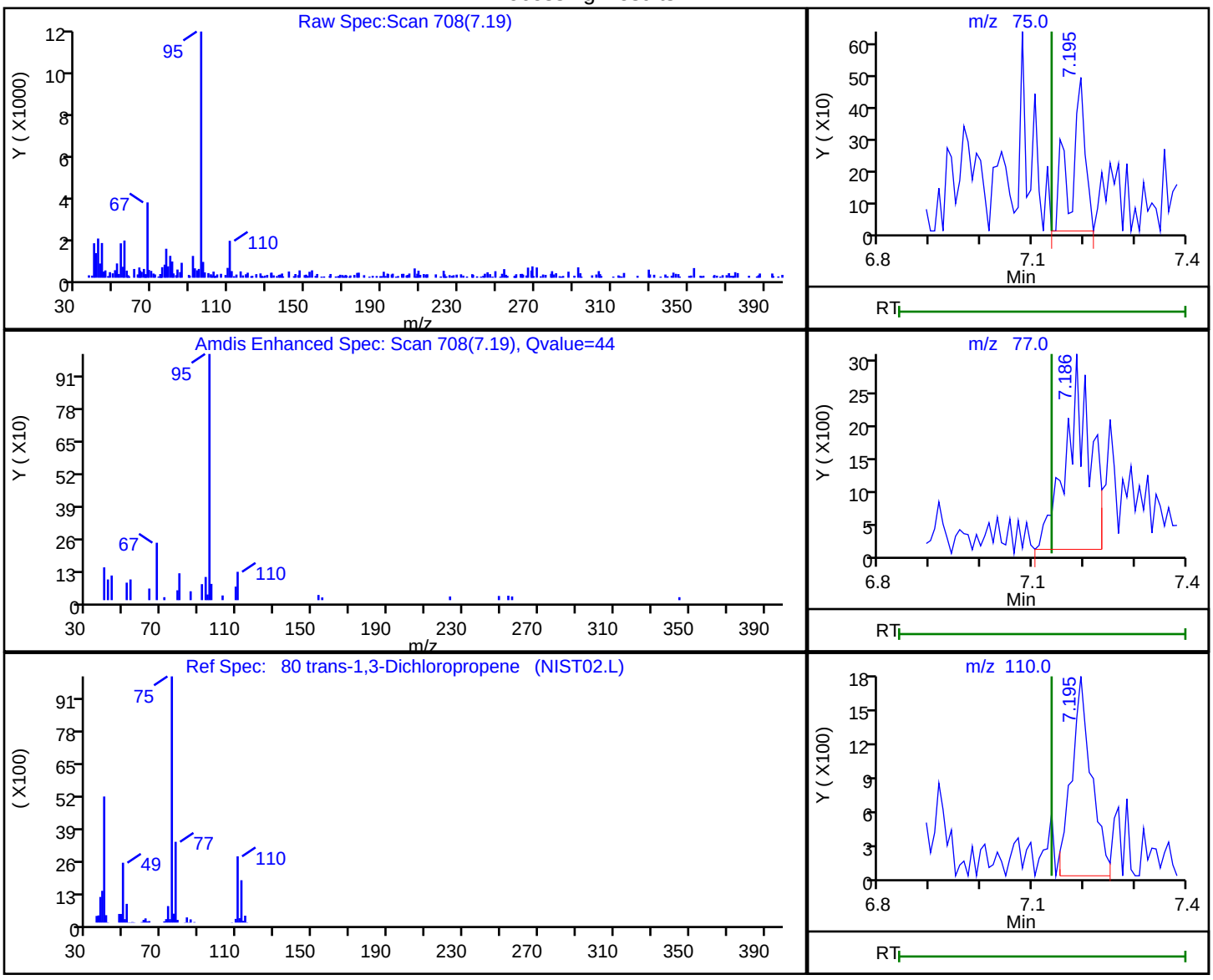
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

80 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
7.19	75.00	935	0.238592
7.19	77.00	9954	
7.19	110.00	4637	

Reviewer: parekhv, 21-Jul-2021 16:54:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

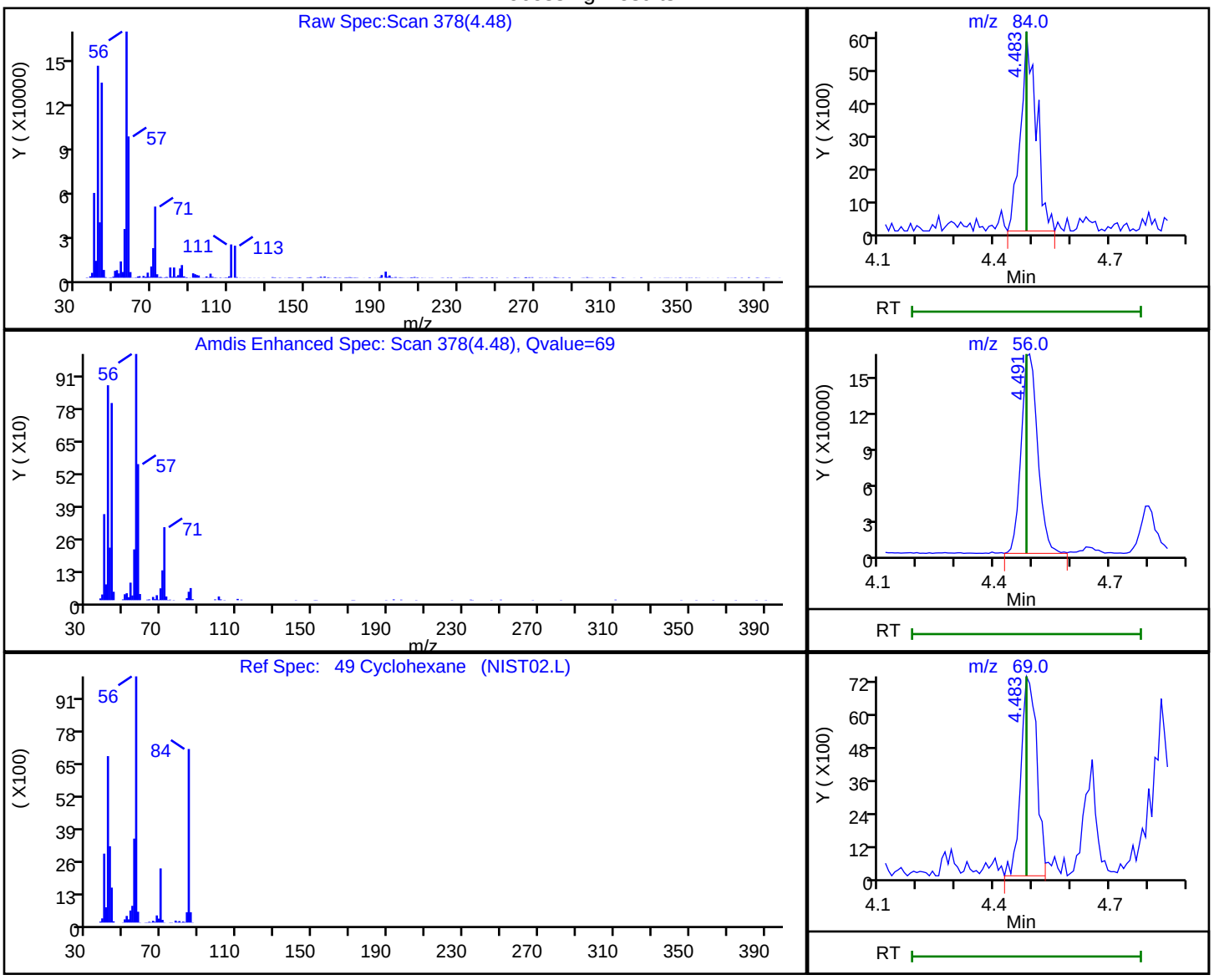
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

49 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.48	84.00	17547	3.149723
4.49	56.00	491260	
4.48	69.00	21259	

Reviewer: parekhv, 21-Jul-2021 16:53:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

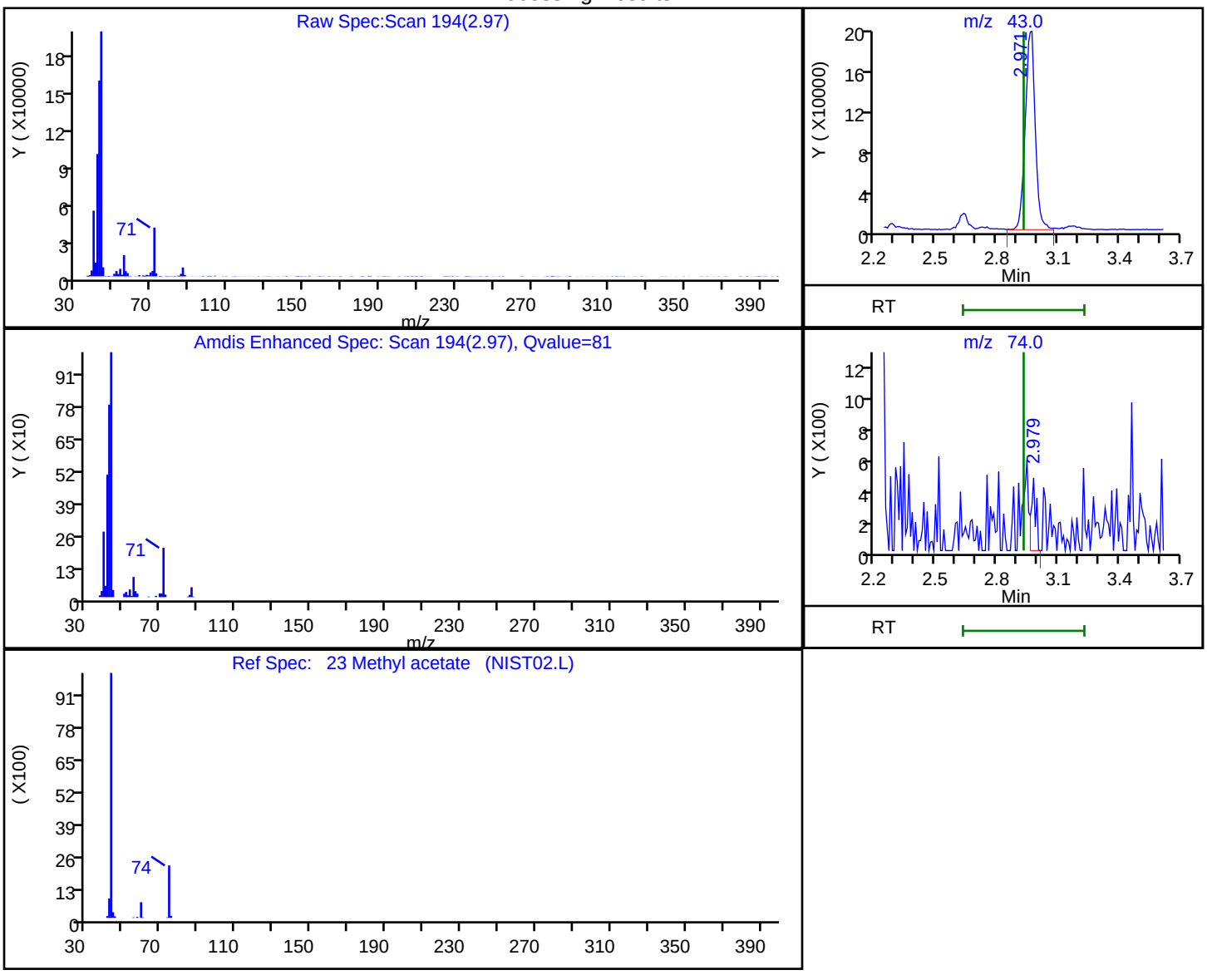
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D		
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1
Client ID:	MW-1		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

23 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
2.97	43.00	683109	279.1680
2.98	74.00	689	

Reviewer: parekhv, 21-Jul-2021 16:53:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

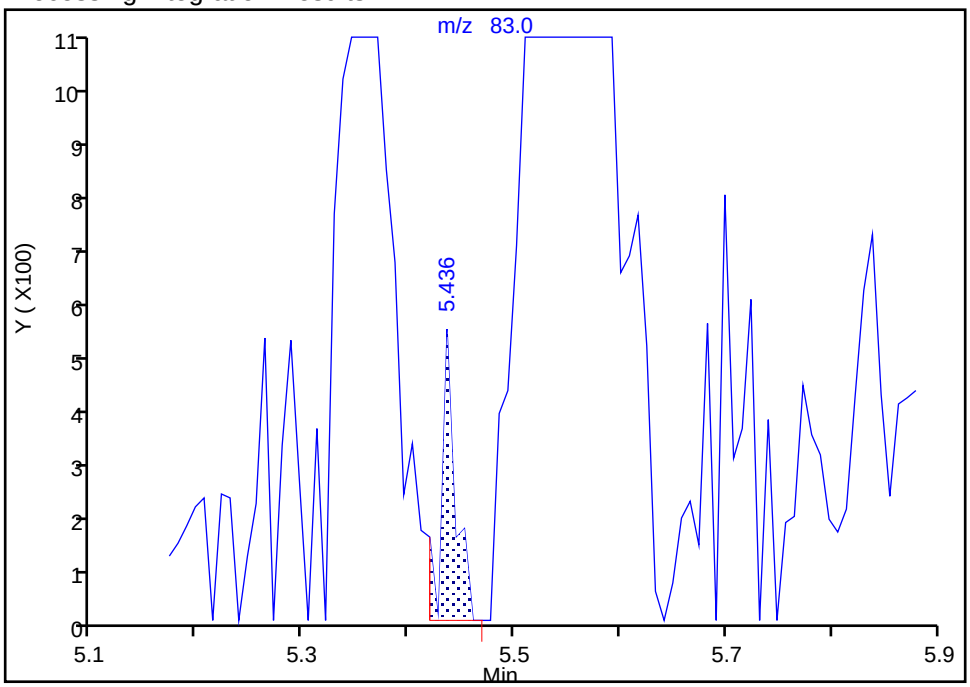
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D		
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1
Client ID:	MW-1		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

65 Methylcyclohexane, CAS: 108-87-2

Signal: 1

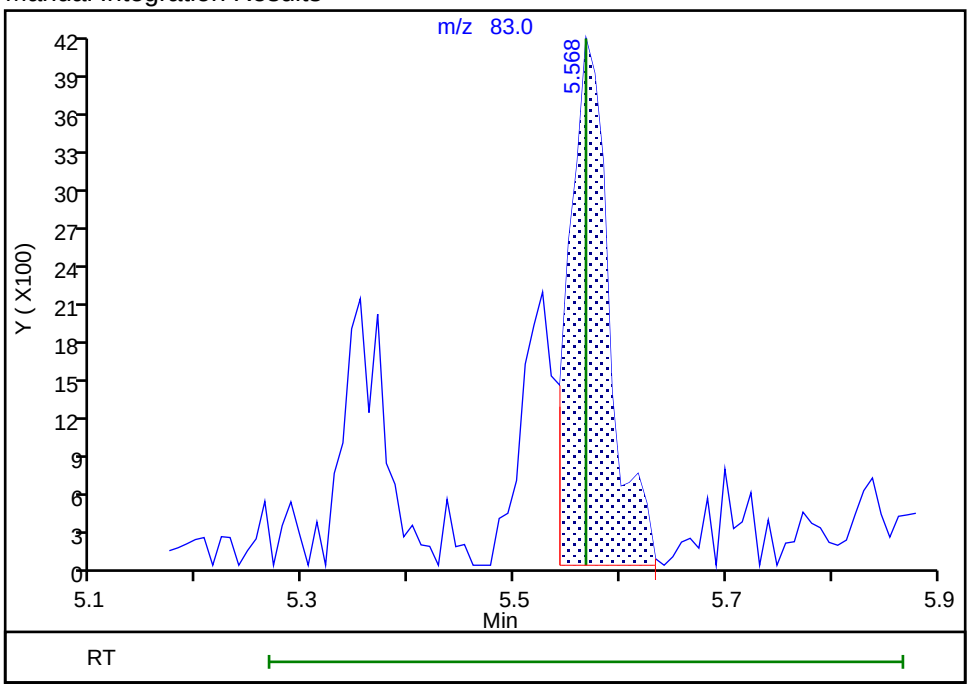
Processing Integration Results

RT: 5.44
Area: 484
Amount: 0.081566
Amount Units: ug/l



Manual Integration Results

RT: 5.57
Area: 11008
Amount: 1.855117
Amount Units: ug/l



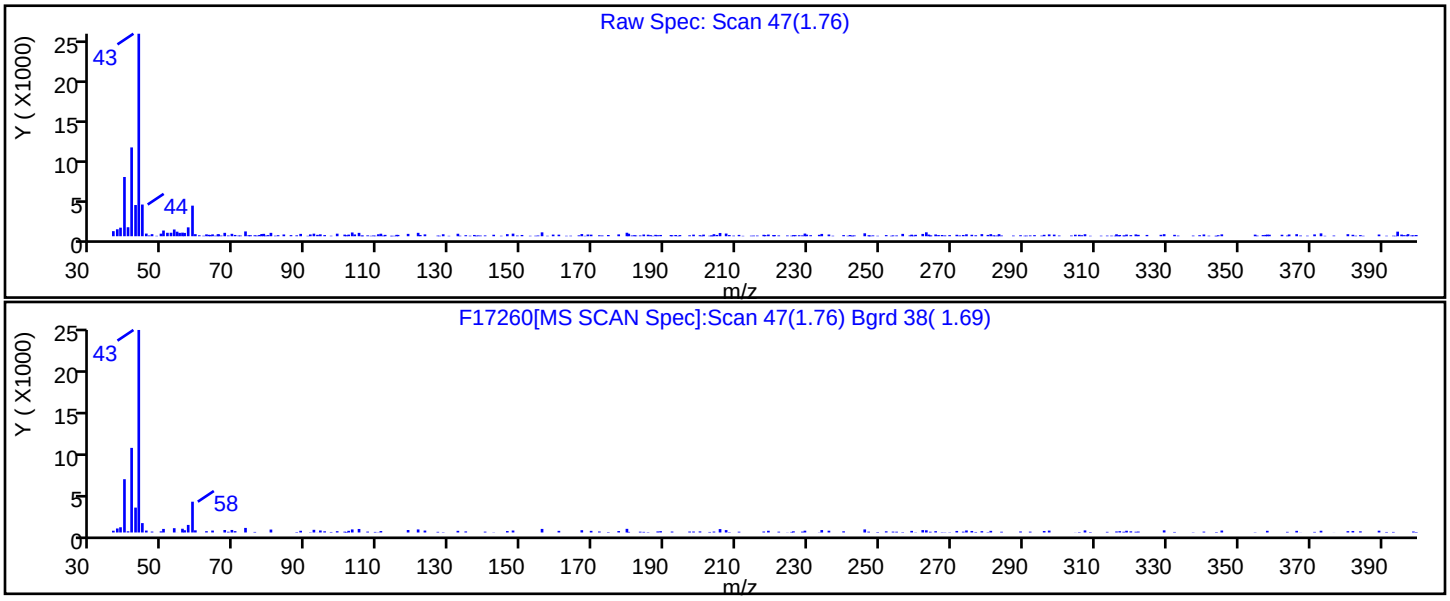
Reviewer: xuyvo, 23-Jul-2021 16:01:43
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

Report Date: 23-Jul-2021 16:02:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 70

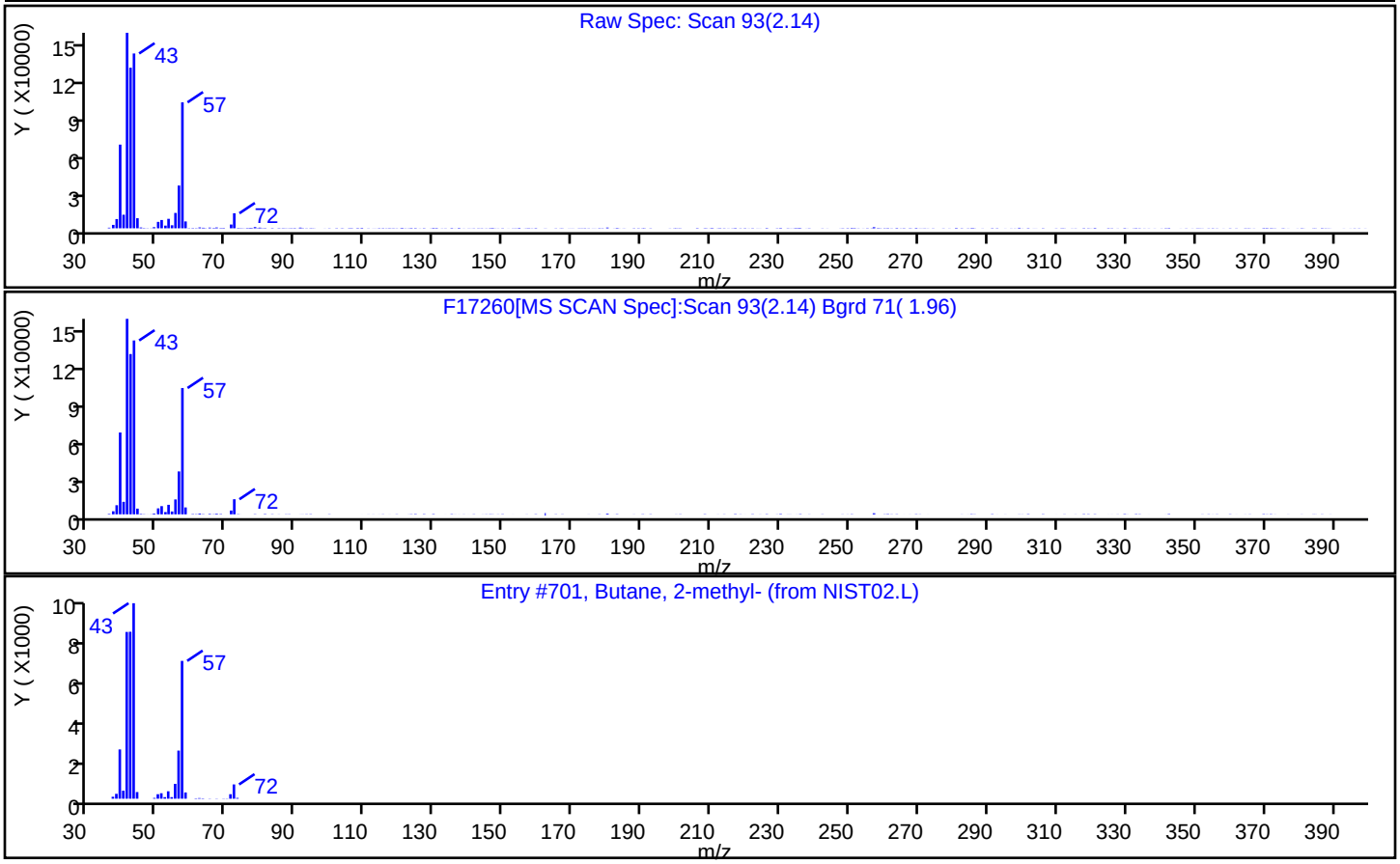


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D

Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:		Detector	MS SCAN		

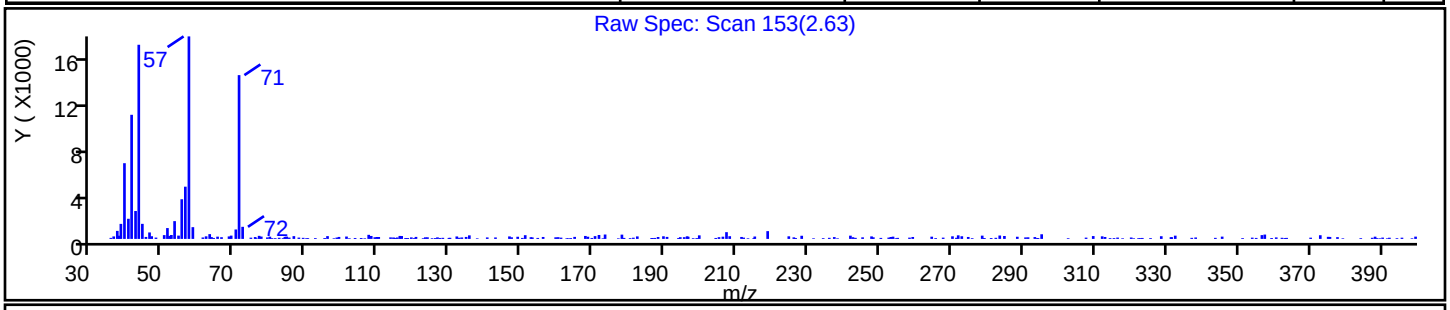
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Butane, 2-methyl-	78-78-4	NIST02.L	701	C5H12	72	81

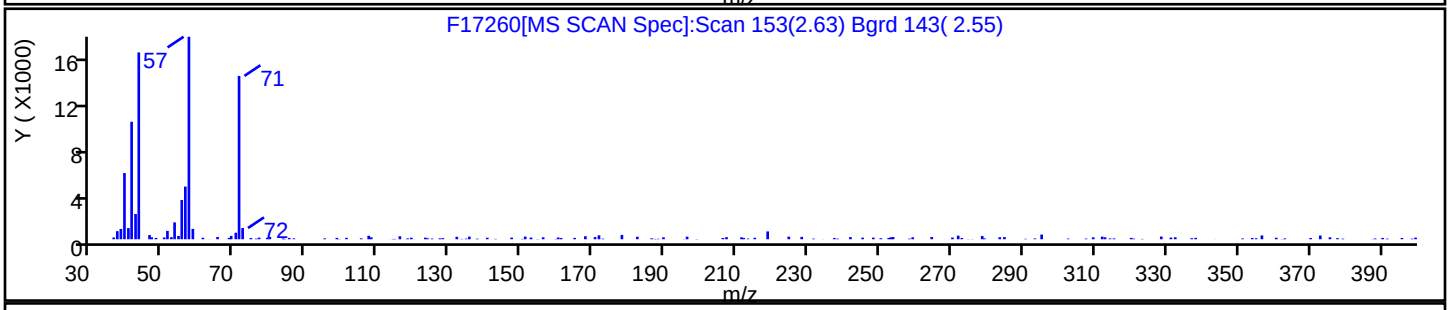


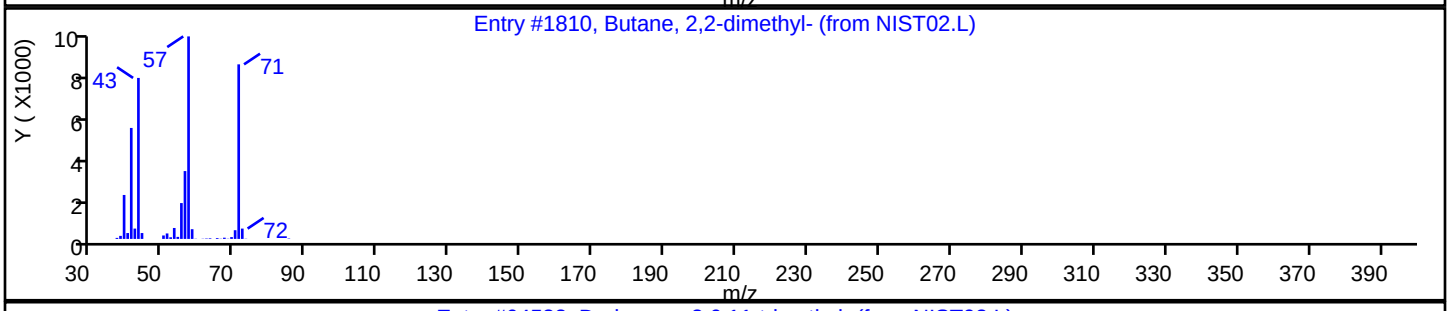
Eurofins TestAmerica, Edison

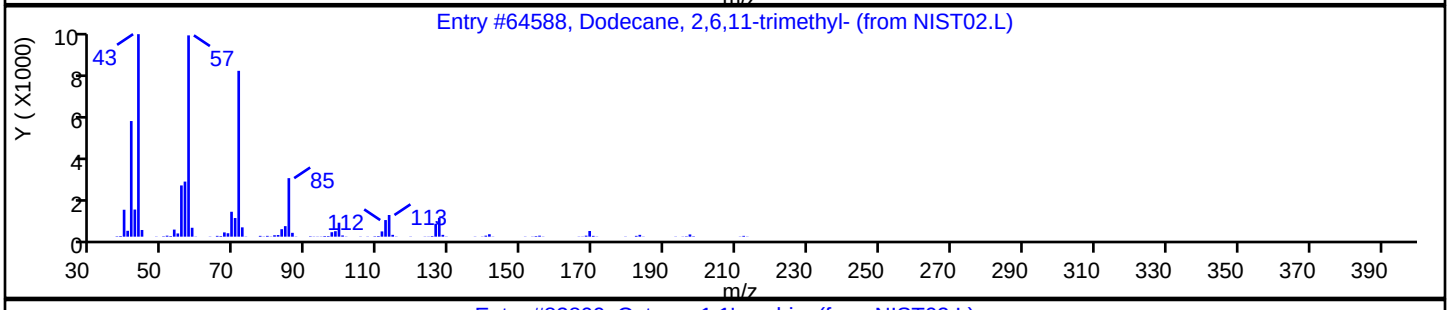
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D
Injection Date: 21-Jul-2021 16:20:30 Instrument ID: CVOAMS6
Lims ID: 460-239070-B-1 Lab Sample ID: 460-239070-1
Client ID: MW-1
Operator ID: ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Detector MS SCAN

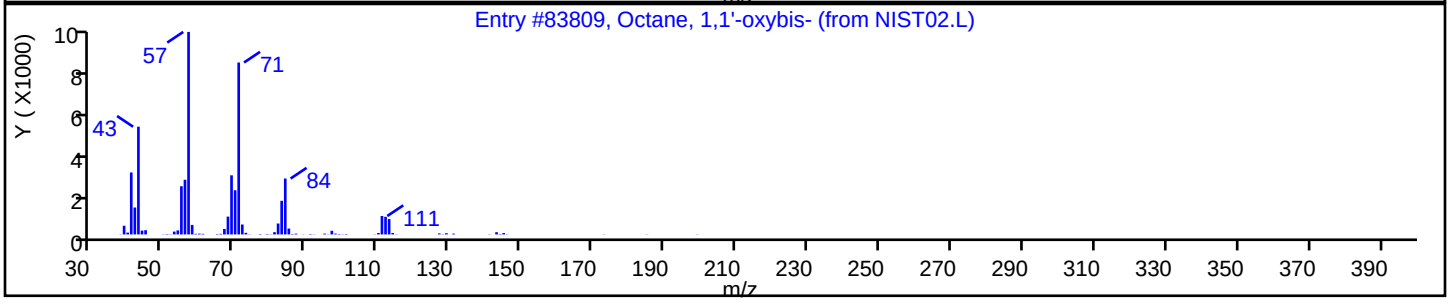
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Butane, 2,2-dimethyl-	75-83-2	NIST02.L	1810	C6H14	86	80
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST02.L	64588	C15H32	212	80
Octane, 1,1'-oxybis-	629-82-3	NIST02.L	83809	C16H34O	242	72











Report Date: 23-Jul-2021 16:02:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D

Injection Date: 21-Jul-2021 16:20:30 Instrument ID: CVOAMS6

Lims ID: 460-239070-B-1 Lab Sample ID: 460-239070-1

Client ID: MW-1

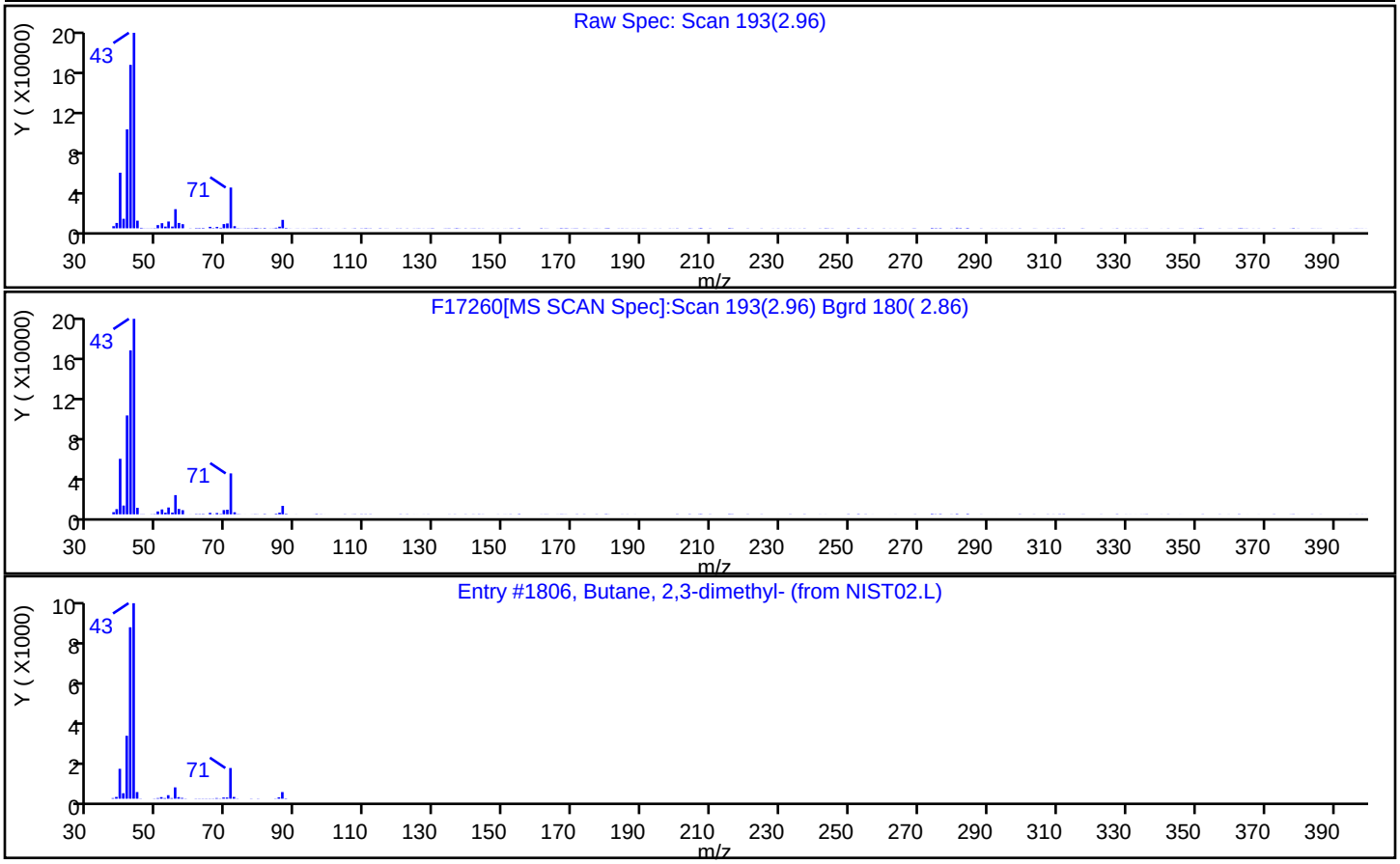
Operator ID: ALS Bottle#: 27 Worklist Smp#: 28

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Butane, 2,3-dimethyl-	79-29-8	NIST02.L	1806	C6H14	86	86

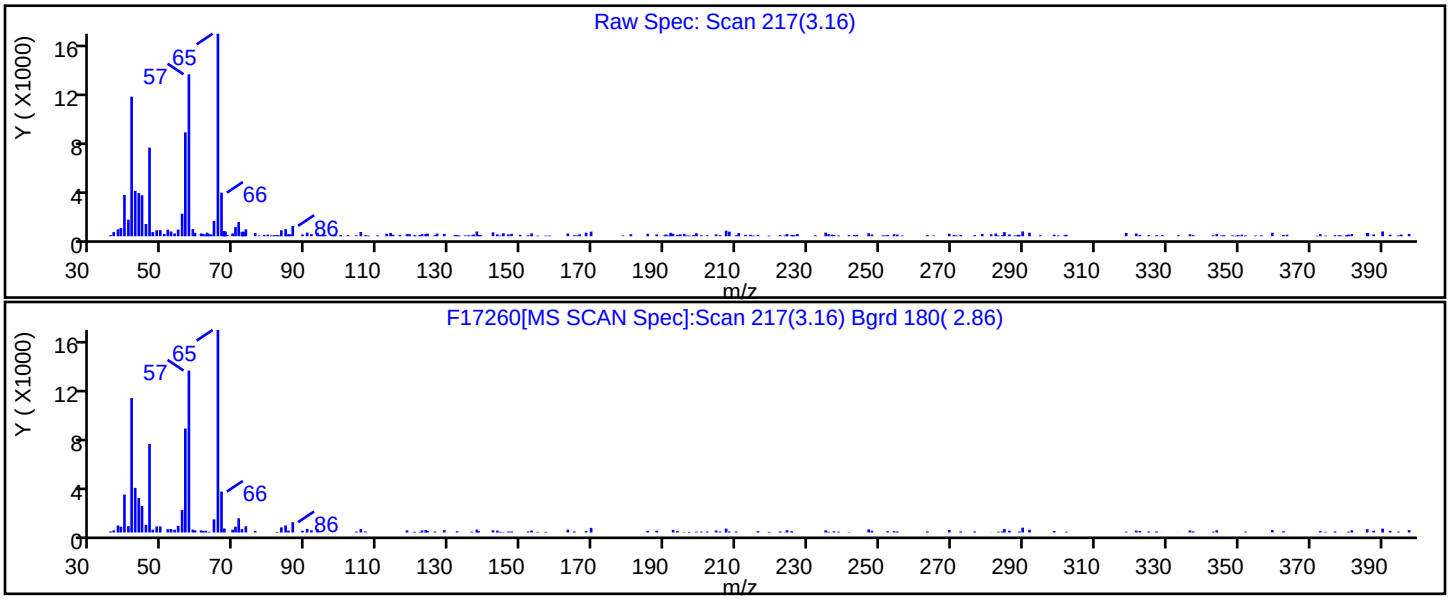


Report Date: 23-Jul-2021 16:02:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 70



Report Date: 23-Jul-2021 16:02:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D

Injection Date: 21-Jul-2021 16:20:30 Instrument ID: CVOAMS6

Lims ID: 460-239070-B-1 Lab Sample ID: 460-239070-1

Client ID: MW-1

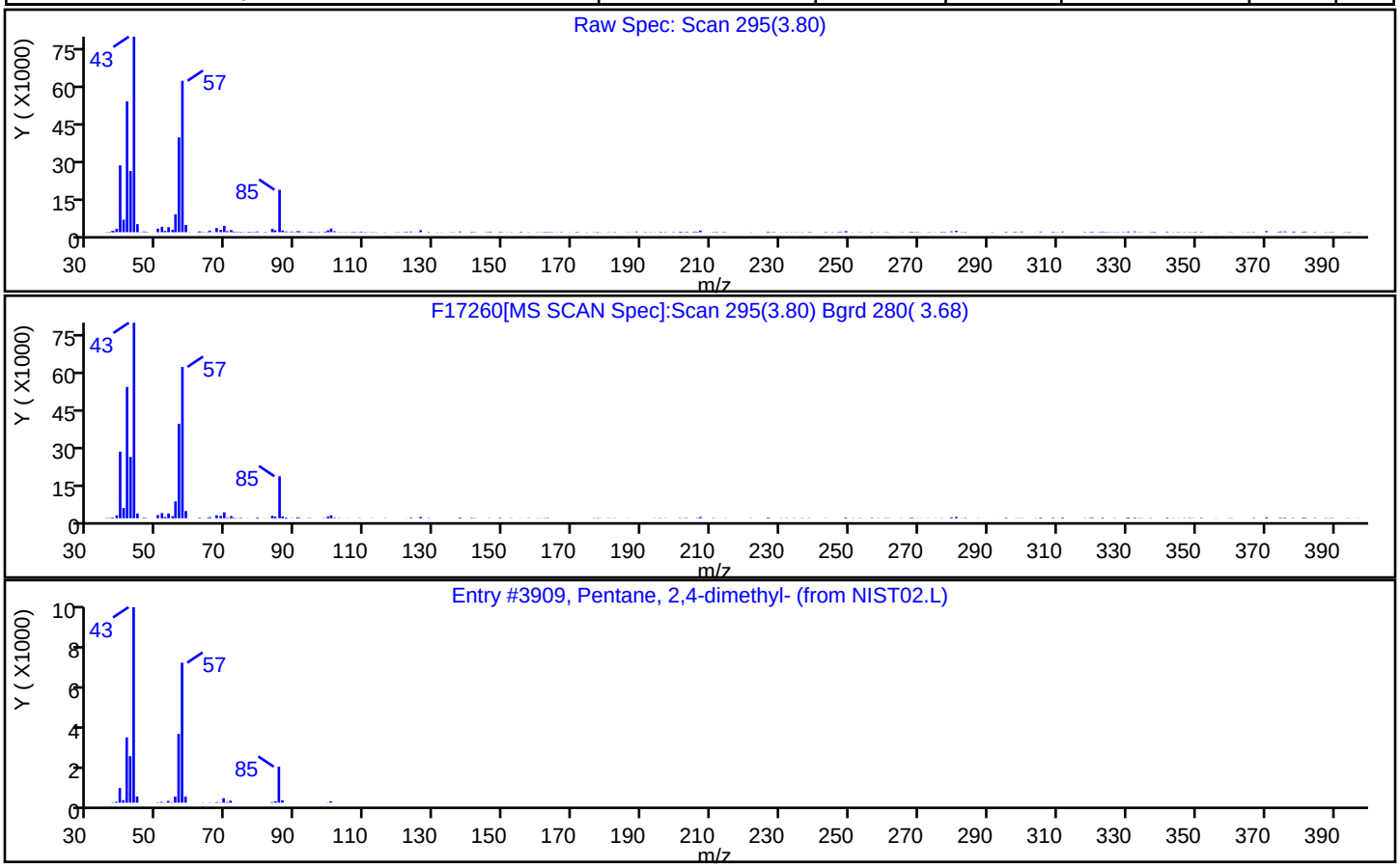
Operator ID: ALS Bottle#: 27 Worklist Smp#: 28

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Pentane, 2,4-dimethyl-	108-08-7	NIST02.L	3909	C7H16	100	86

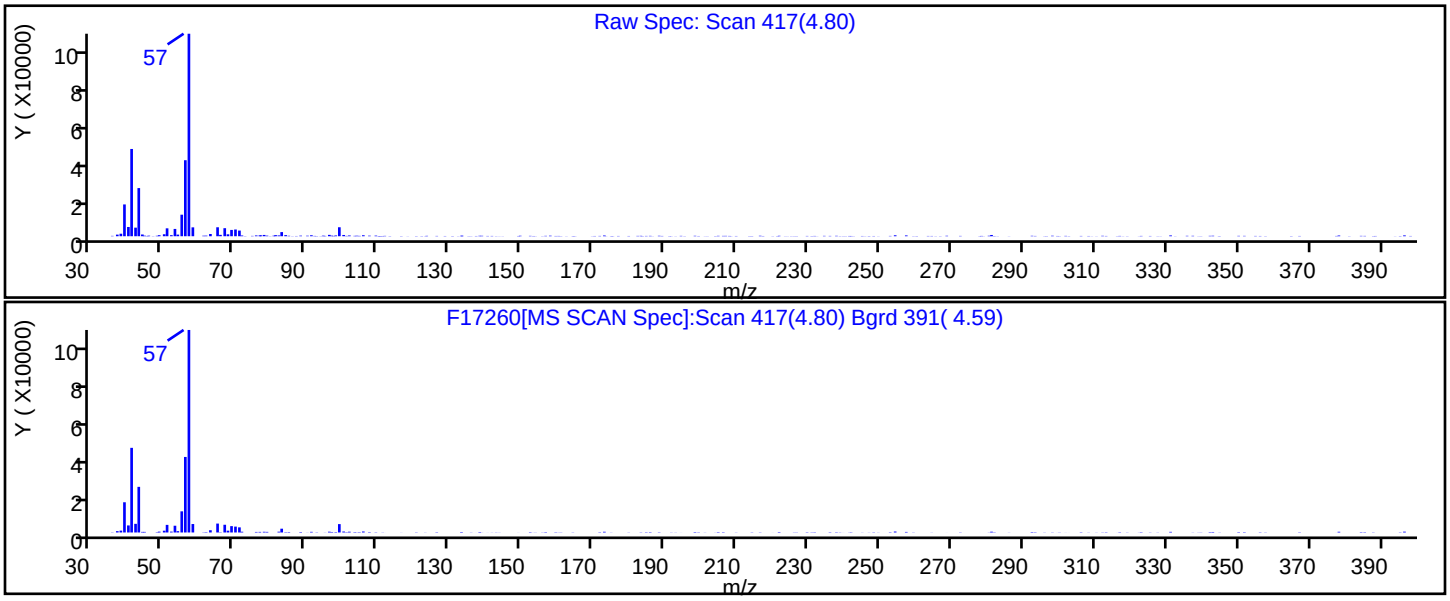


Report Date: 23-Jul-2021 16:02:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:		Detector	MS SCAN		

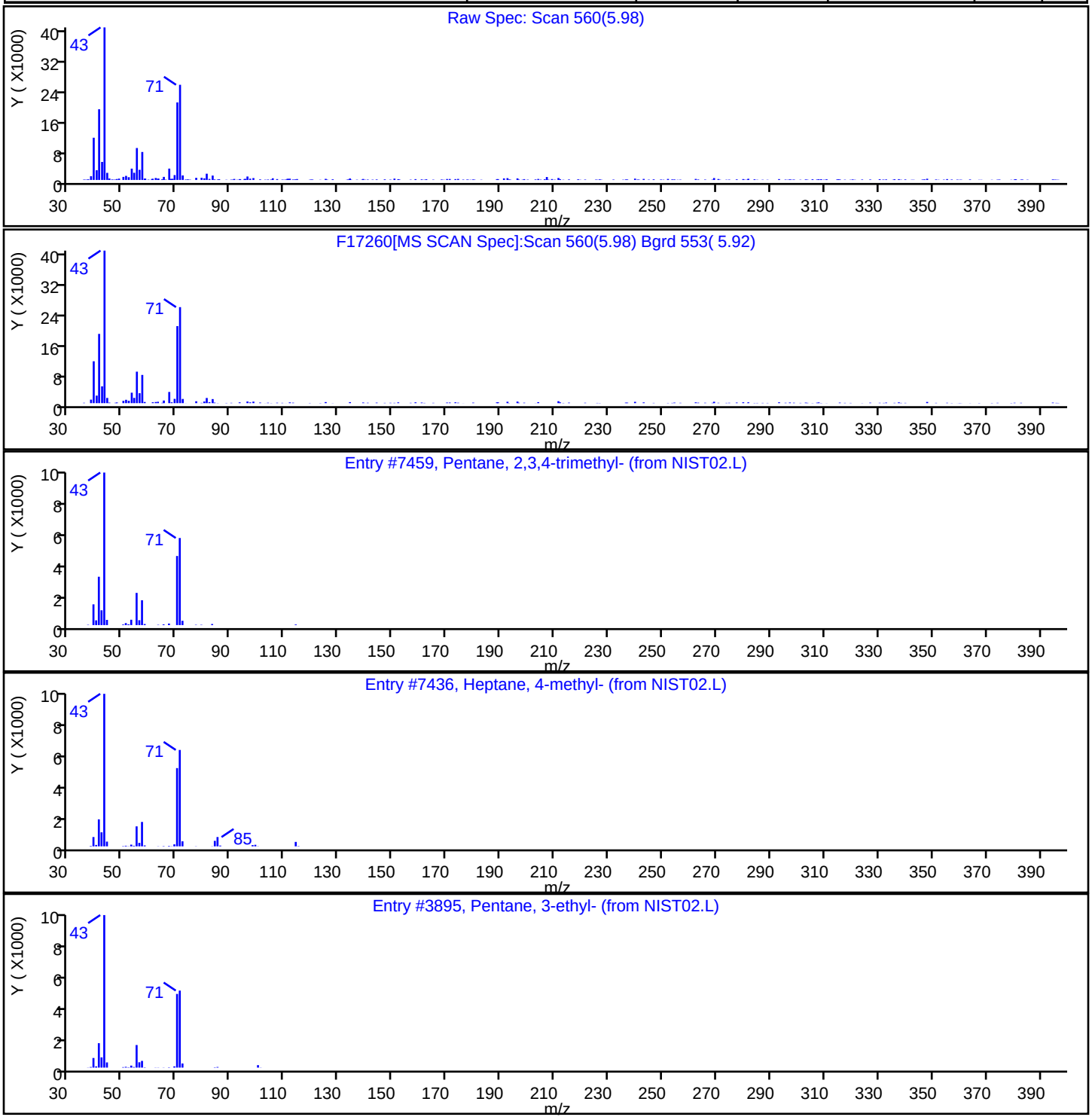
No Library Matches Found above the Threshold: 70



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D
Injection Date: 21-Jul-2021 16:20:30 Instrument ID: CVOAMS6
Lims ID: 460-239070-B-1 Lab Sample ID: 460-239070-1
Client ID: MW-1
Operator ID: ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Detector MS SCAN

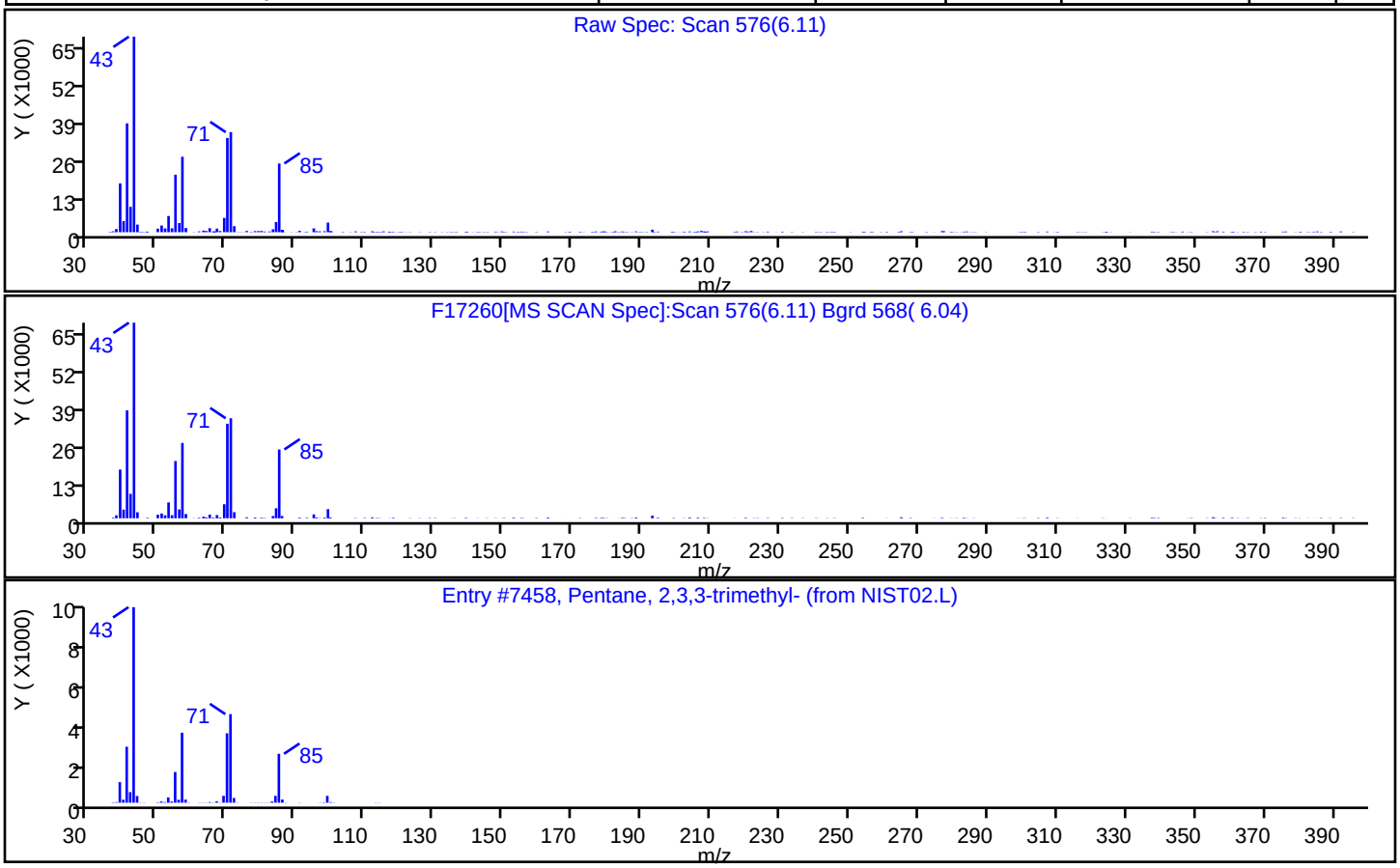
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Pentane, 2,3,4-trimethyl-	565-75-3	NIST02.L	7459	C8H18	114	86
Heptane, 4-methyl-	589-53-7	NIST02.L	7436	C8H18	114	78
Pentane, 3-ethyl-	617-78-7	NIST02.L	3895	C7H16	100	72



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D				
Injection Date:	21-Jul-2021 16:20:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-1	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:		Detector	MS SCAN		

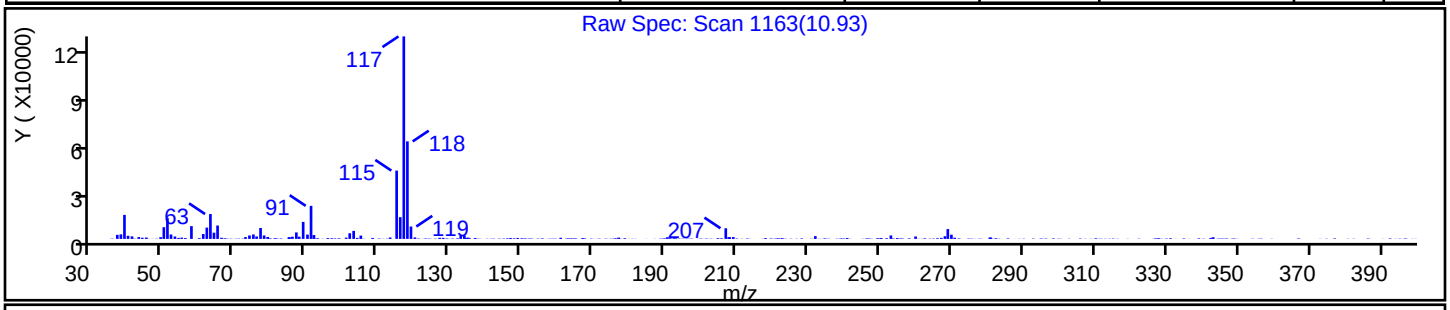
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Pentane, 2,3,3-trimethyl-	560-21-4	NIST02.L	7458	C8H18	114	78

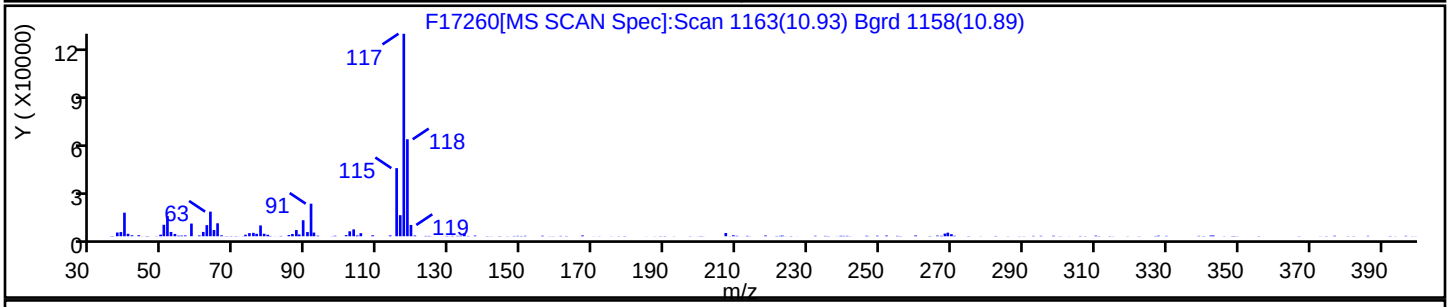


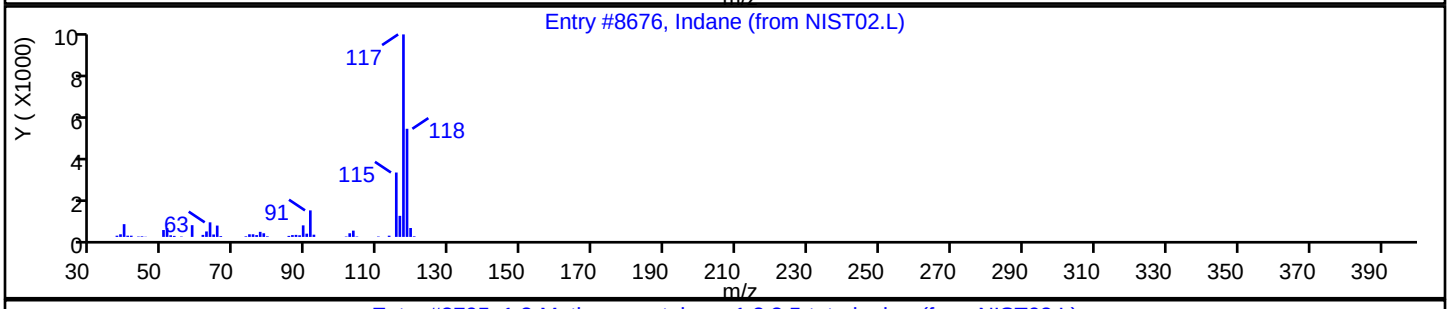
Eurofins TestAmerica, Edison

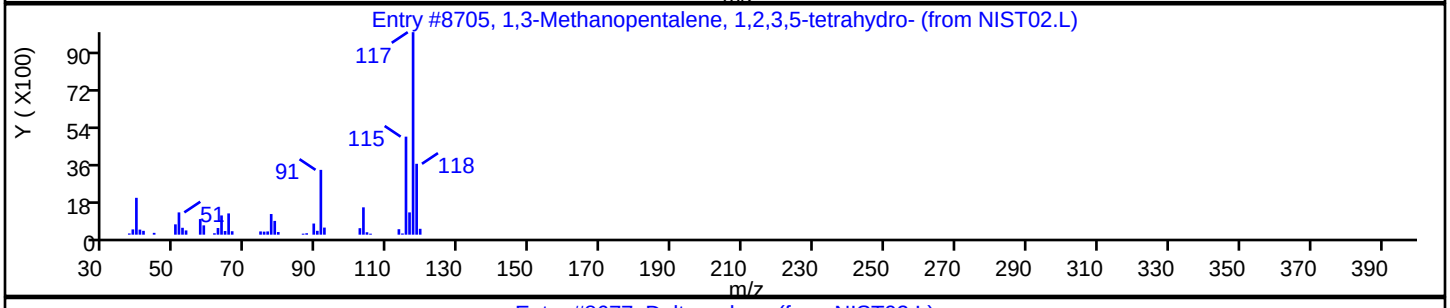
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17260.D
Injection Date: 21-Jul-2021 16:20:30 Instrument ID: CVOAMS6
Lims ID: 460-239070-B-1 Lab Sample ID: 460-239070-1
Client ID: MW-1
Operator ID: ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Detector MS SCAN

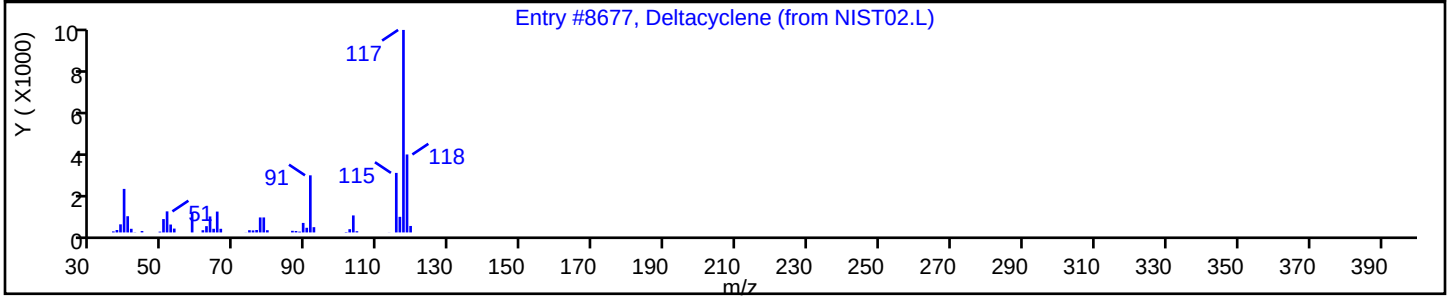
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8676	C9H10	118	93
1,3-Methanopentalene, 1,2,3,5-tetrahydro-	128600-88-4	NIST02.L	8705	C9H10	118	80
Deltacyclene	7785-10-6	NIST02.L	8677	C9H10	118	74











FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-239070-2

Matrix: Water Lab File ID: F17261.D

Analysis Method: 8260D Date Collected: 07/16/2021 11:55

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 16:43

Soil Aliquot Vol: Dilution Factor: 25

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	25	U	25	10
74-83-9	Bromomethane	25	U	25	14
75-01-4	Vinyl chloride	14	J	25	4.3
75-00-3	Chloroethane	25	U	25	8.0
75-09-2	Methylene Chloride	25	U	25	7.9
67-64-1	Acetone	130	U	130	110
75-15-0	Carbon disulfide	25	U	25	21
75-69-4	Trichlorofluoromethane	25	U	25	8.0
75-35-4	1,1-Dichloroethene	25	U	25	6.6
75-34-3	1,1-Dichloroethane	25	U	25	6.6
156-60-5	trans-1,2-Dichloroethene	25	U	25	5.9
156-59-2	cis-1,2-Dichloroethene	110		25	5.5
67-66-3	Chloroform	11	J	25	8.2
107-06-2	1,2-Dichloroethane	25	U	25	11
78-93-3	2-Butanone (MEK)	130	U	130	46
71-55-6	1,1,1-Trichloroethane	25	U	25	6.0
56-23-5	Carbon tetrachloride	25	U	25	5.2
75-27-4	Dichlorobromomethane	25	U	25	8.6
78-87-5	1,2-Dichloropropane	25	U	25	8.8
10061-01-5	cis-1,3-Dichloropropene	25	U	25	5.6
79-01-6	Trichloroethene	130		25	7.9
124-48-1	Chlorodibromomethane	25	U	25	7.0
79-00-5	1,1,2-Trichloroethane	25	U	25	5.1
71-43-2	Benzene	25	U	25	5.1
10061-02-6	trans-1,3-Dichloropropene	25	U	25	5.6
75-25-2	Bromoform	25	U	25	13
108-10-1	4-Methyl-2-pentanone (MIBK)	130	U	130	33
591-78-6	2-Hexanone	130	U	130	28
127-18-4	Tetrachloroethene	9300		25	6.2
79-34-5	1,1,2,2-Tetrachloroethane	25	U	25	9.2
108-88-3	Toluene	25	U	25	9.5
108-90-7	Chlorobenzene	25	U	25	9.4
100-41-4	Ethylbenzene	25	U	25	7.5
100-42-5	Styrene	25	U	25	10
179601-23-1	m-Xylene & p-Xylene	25	U	25	7.4
95-47-6	o-Xylene	25	U	25	9.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-239070-2

Matrix: Water Lab File ID: F17261.D

Analysis Method: 8260D Date Collected: 07/16/2021 11:55

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 16:43

Soil Aliquot Vol: Dilution Factor: 25

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	50	U	50	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	25	7.8
75-65-0	2-Methyl-2-propanol	250	U	250	210
1634-04-4	Methyl tert-butyl ether	25	U	25	5.4
110-82-7	Cyclohexane	25	U	25	8.0
106-93-4	Ethylene Dibromide	25	U	25	12
541-73-1	1,3-Dichlorobenzene	25	U	25	8.6
106-46-7	1,4-Dichlorobenzene	25	U	25	8.4
95-50-1	1,2-Dichlorobenzene	27		25	5.3
75-71-8	Dichlorodifluoromethane	25	U	25	7.8
120-82-1	1,2,4-Trichlorobenzene	25	U	25	9.1
123-91-1	1,4-Dioxane	1300	U	1300	710
630-20-6	1,1,1,2-Tetrachloroethane	25	U	25	6.7
87-61-6	1,2,3-Trichlorobenzene	25	U	25	8.9
96-12-8	1,2-Dibromo-3-Chloropropane	25	U	25	9.4
74-97-5	Chlorobromomethane	25	U	25	10
98-82-8	Isopropylbenzene	25	U	25	8.4
79-20-9	Methyl acetate	130	U *	130	20
108-87-2	Methylcyclohexane	25	U	25	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	104		76-120
1868-53-7	Dibromofluoromethane (Surr)	105		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 460-239070-2

Matrix: Water Lab File ID: F17261.D

Analysis Method: 8260D Date Collected: 07/16/2021 11:55

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 16:43

Soil Aliquot Vol: Dilution Factor: 25

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D
Lims ID: 460-239070-B-2
Client ID: MW-2
Sample Type: Client
Inject. Date: 21-Jul-2021 16:43:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 25.0000
Sample Info: 460-239070-B-2
Misc. Info.: 460-0132123-029
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 16:03:56 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 17:05:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
3 Vinyl chloride	62	1.788	1.780	0.008	57	2936	0.5736	
* 26 TBA-d9 (IS)	65	3.053	3.045	0.008	0	339490	1000.0	
* 38 2-Butanone-d5	46	4.056	4.039	0.017	0	344117	250.0	
40 cis-1,2-Dichloroethene	96	4.097	4.080	0.017	87	14047	4.36	
48 Chloroform	83	4.343	4.343	0.000	44	2415	0.4271	
$ 51 Dibromofluoromethane (Surr)	113	4.508	4.491	0.017	95	120687	52.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	197606	54.8	
* 61 Fluorobenzene	96	5.107	5.091	0.016	96	392312	50.0	
63 Trichloroethene	95	5.444	5.436	0.008	90	14468	5.13	
* 67 1,4-Dioxane-d8	96	5.798	5.781	0.017	0	20958	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.734	6.726	0.008	97	400543	51.8	
83 Tetrachloroethene	166	7.408	7.400	0.008	93	1164392	371.4	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	94	300648	50.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	85	144644	52.0	
* 116 1,4-Dichlorobenzene-d4	152	10.761	10.761	0.000	96	203604	50.0	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	89	9252	1.10	a

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

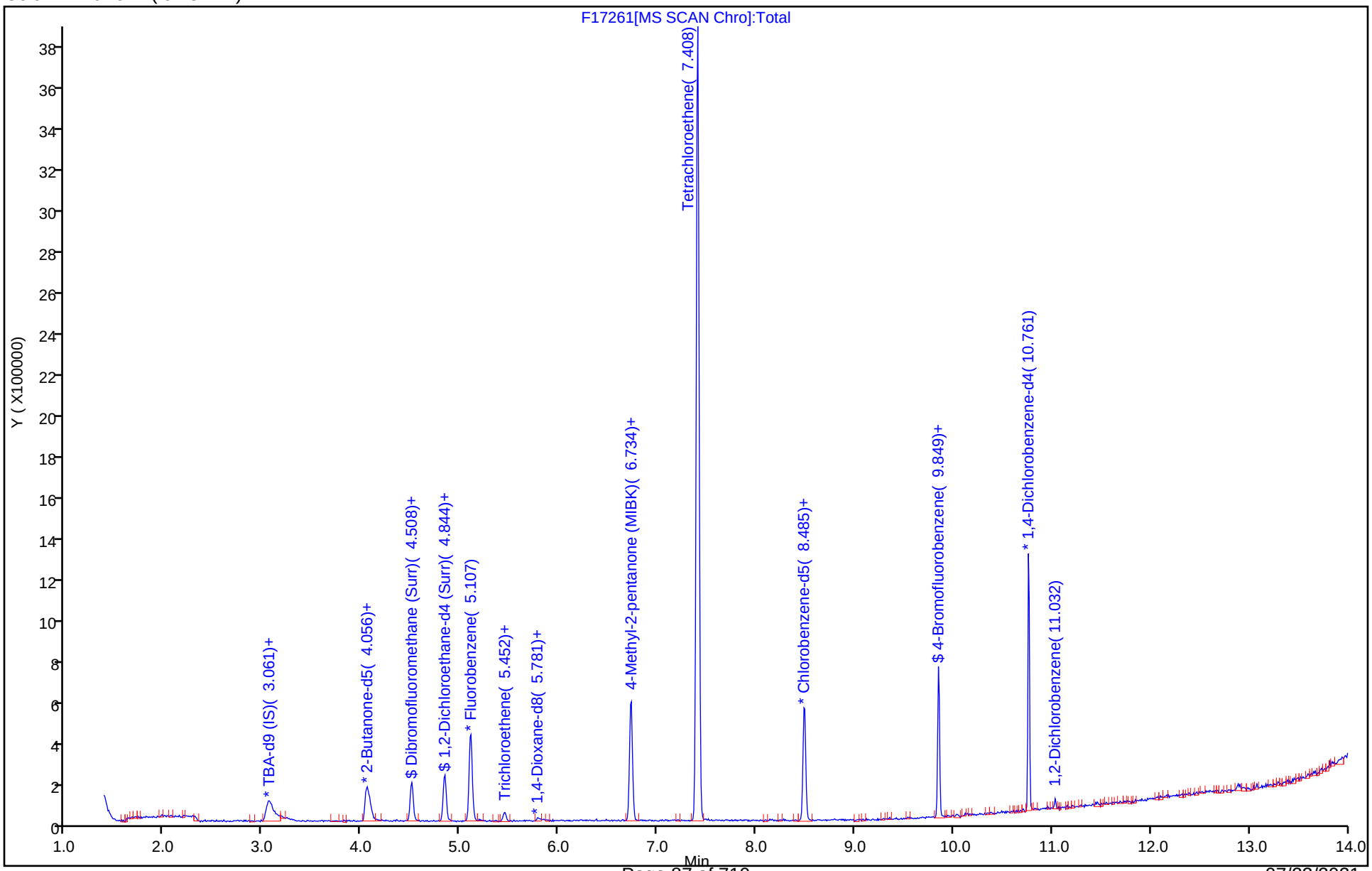
Report Date: 23-Jul-2021 16:03:57 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D

Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2	Worklist Smp#:	29
Client ID:	MW-2				
Purge Vol:	5.000 mL	Dil. Factor:	25.0000	ALS Bottle#:	28
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

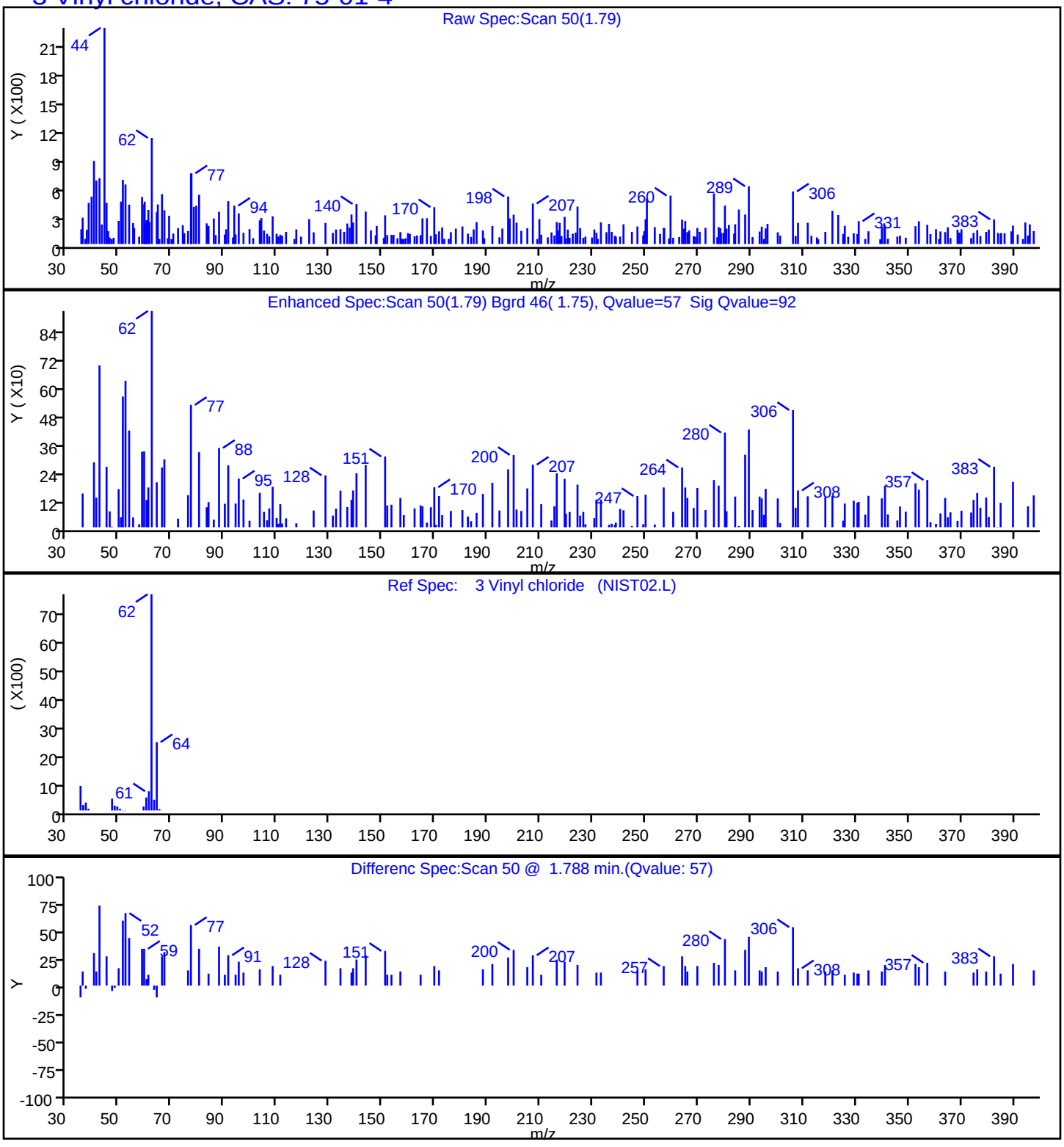
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

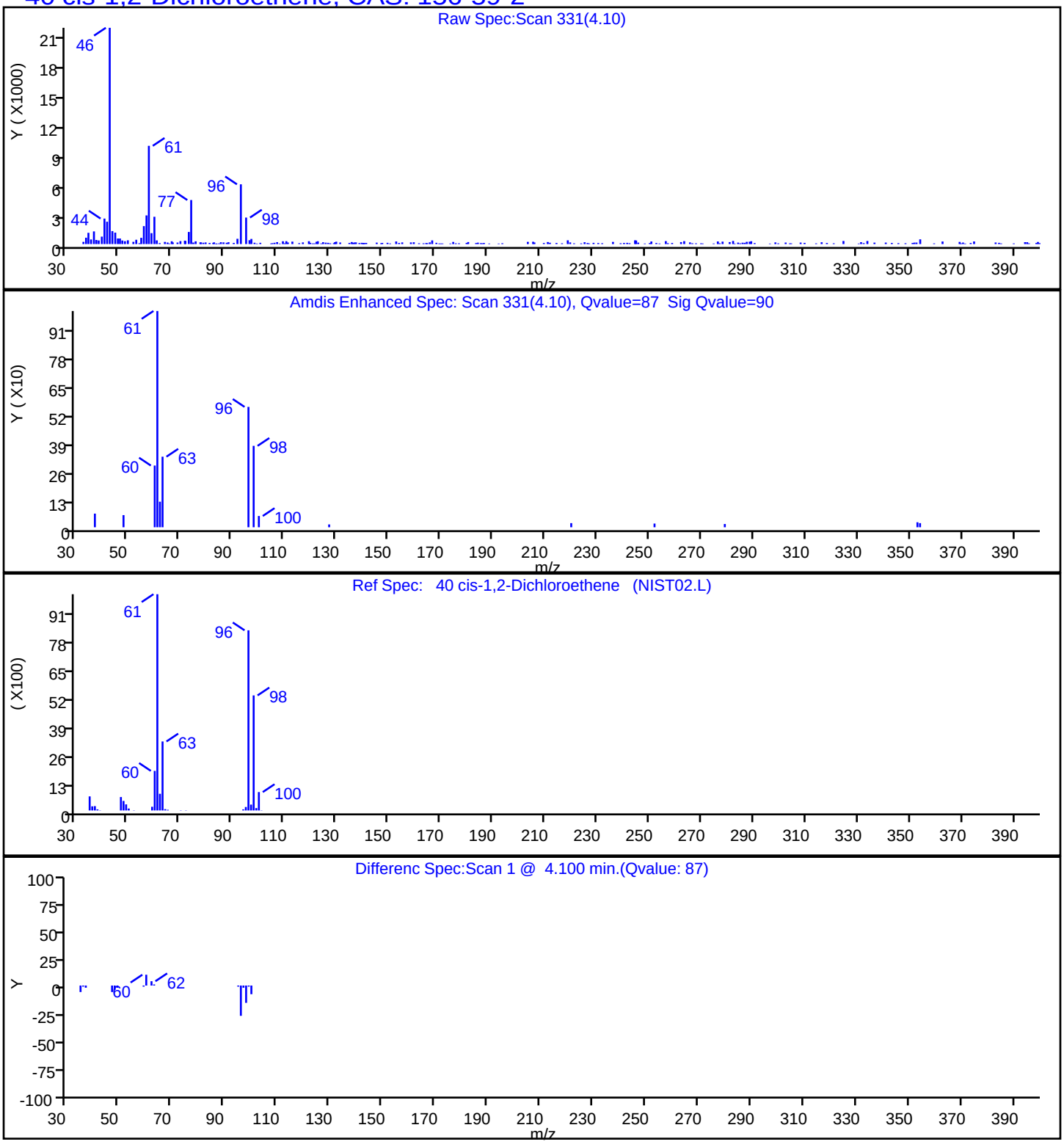
3 Vinyl chloride, CAS: 75-01-4



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

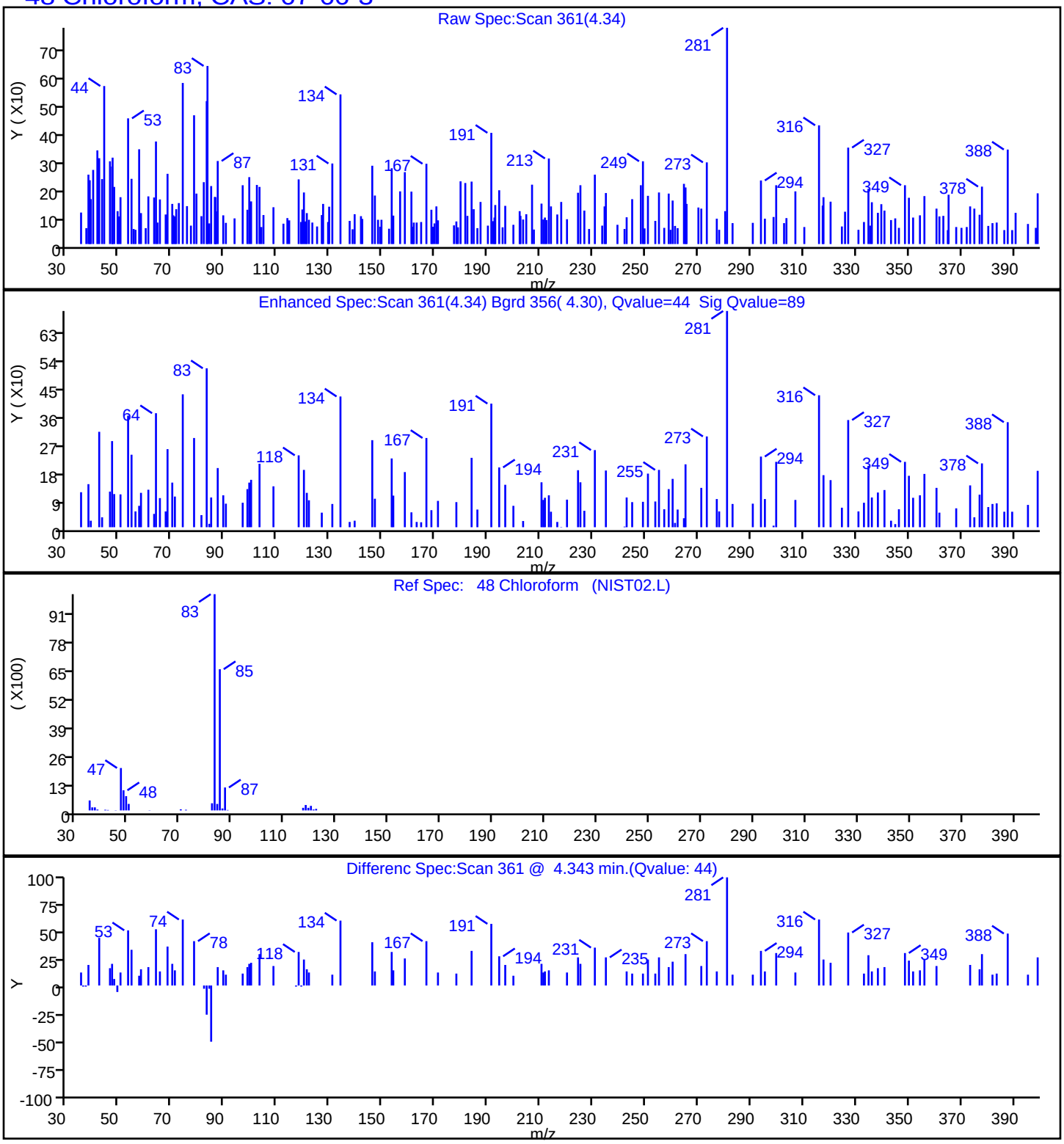
40 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

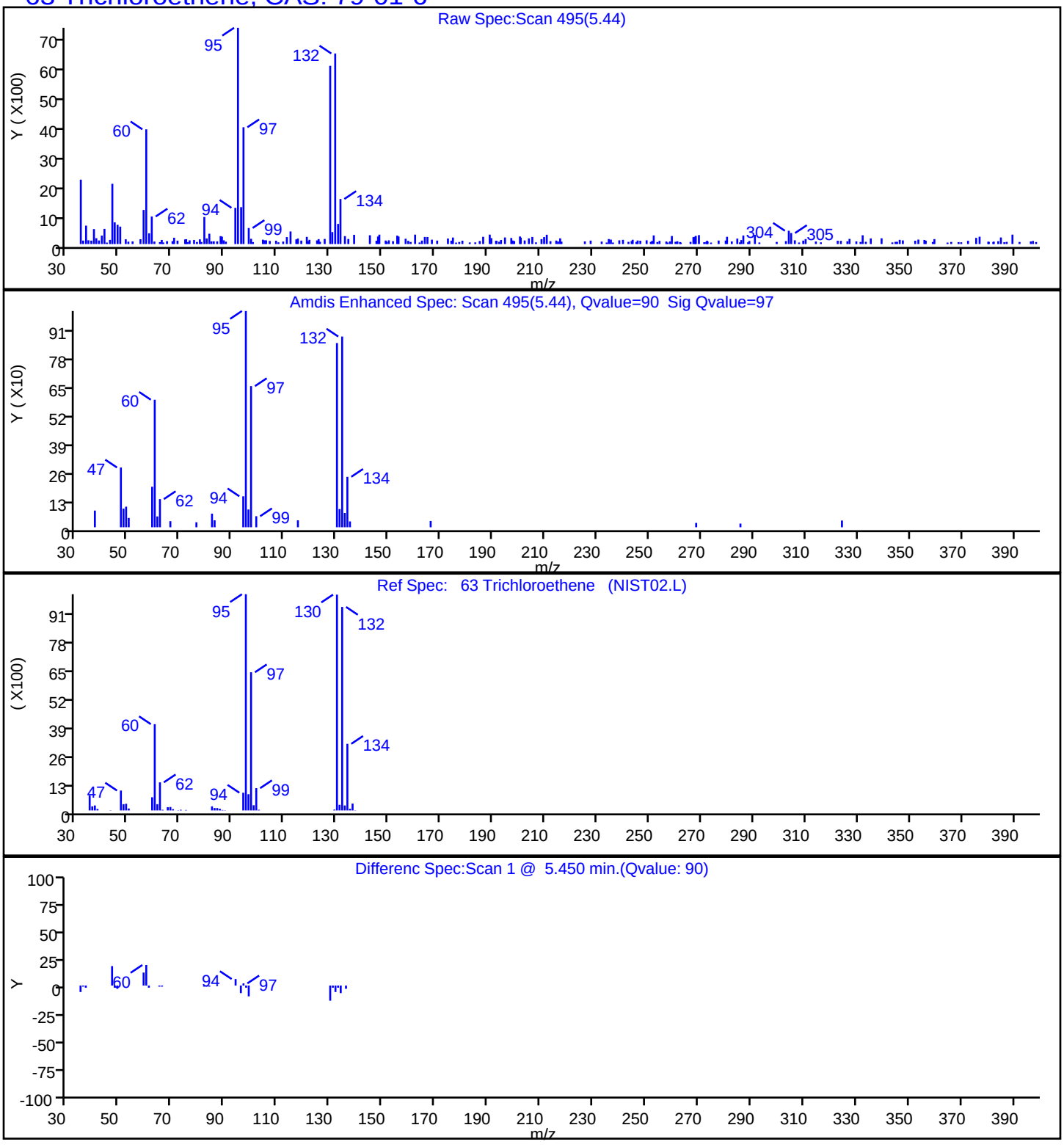
48 Chloroform, CAS: 67-66-3



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

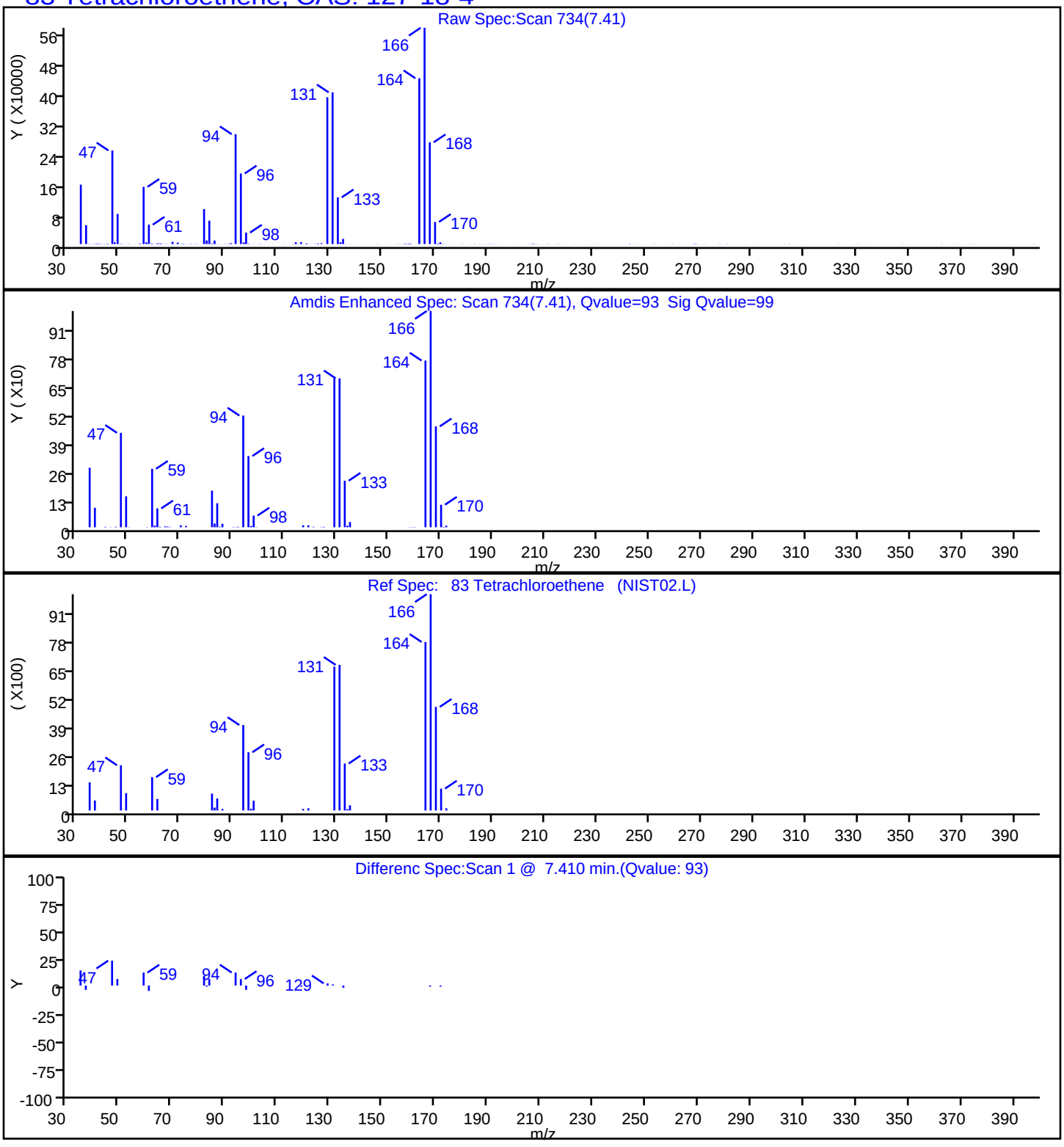
63 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D		
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

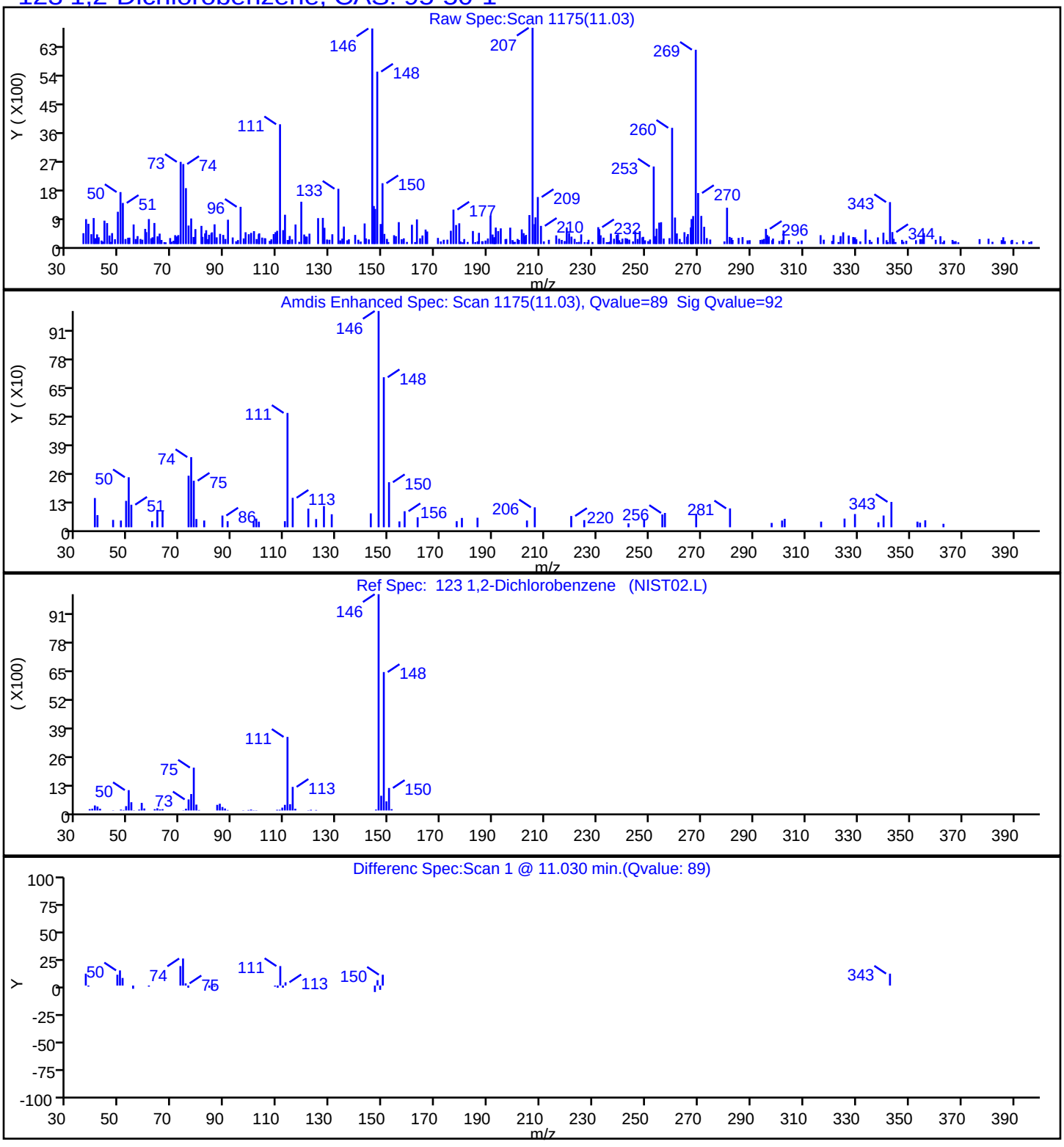
83 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

123 1,2-Dichlorobenzene, CAS: 95-50-1



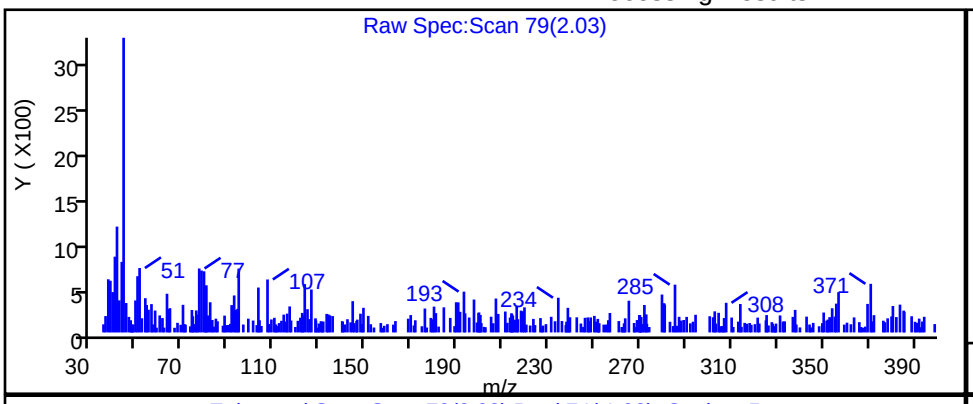
User Disabled Compound Report

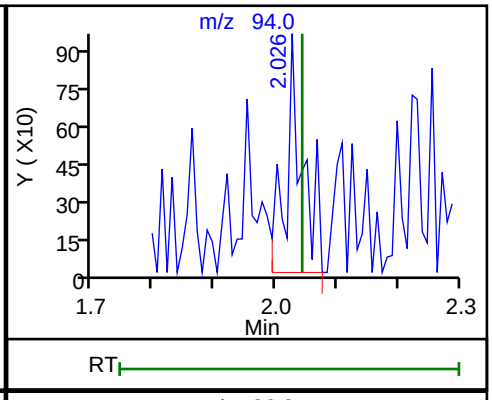
Eurofins TestAmerica, Edison

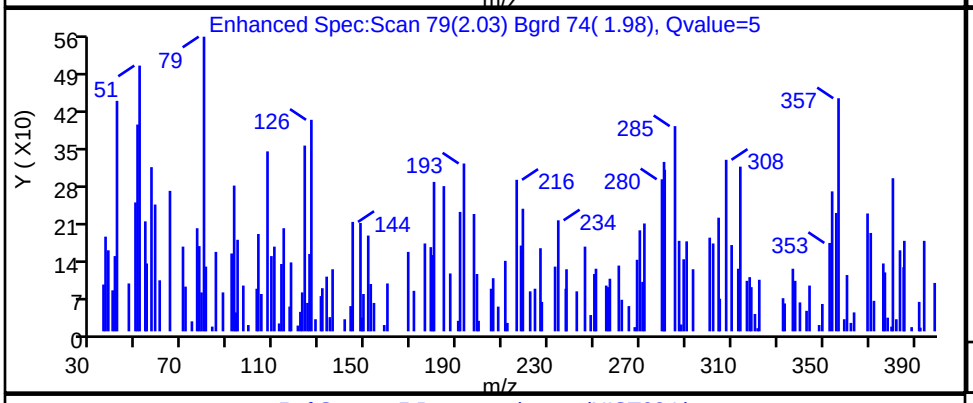
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

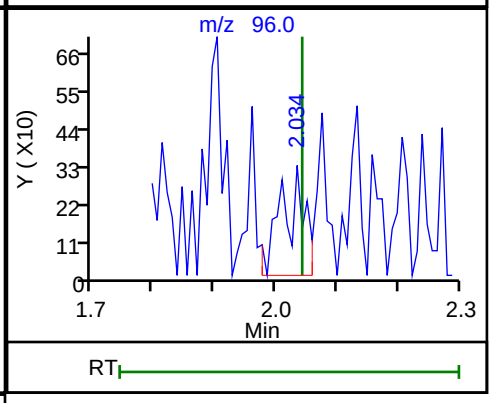
5 Bromomethane, CAS: 74-83-9

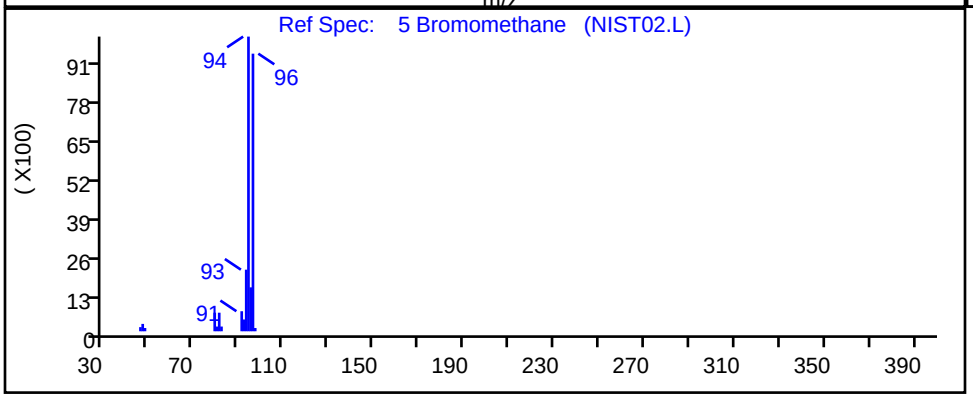
Processing Results











RT	Mass	Response	Amount
2.03	94.00	1823	0.432280
2.03	96.00	858	

Reviewer: parekhv, 21-Jul-2021 17:04:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

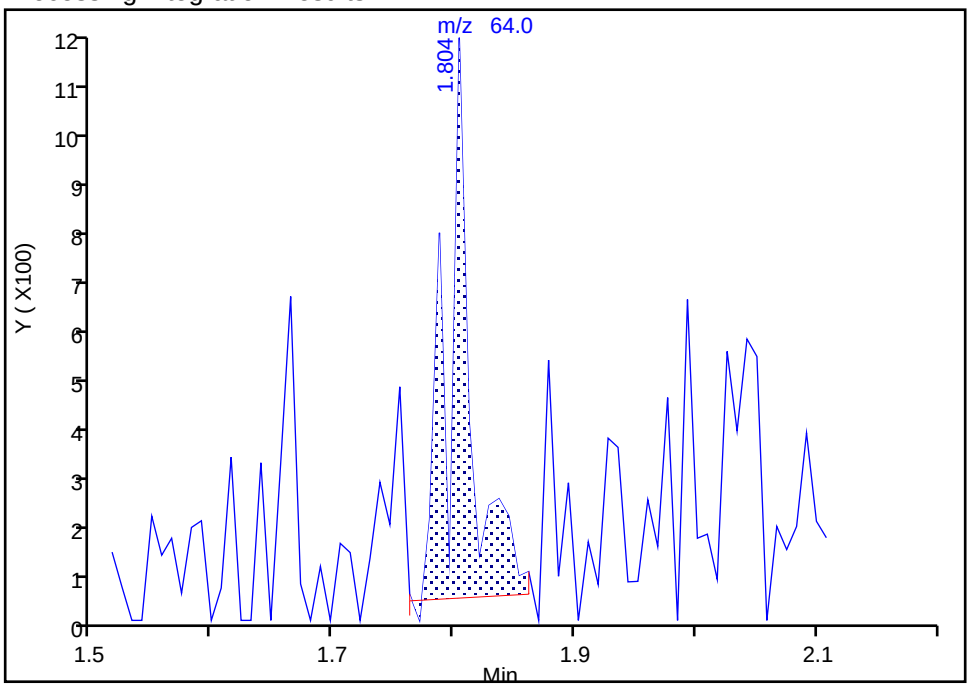
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D		
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Vinyl chloride, CAS: 75-01-4

Signal: 2

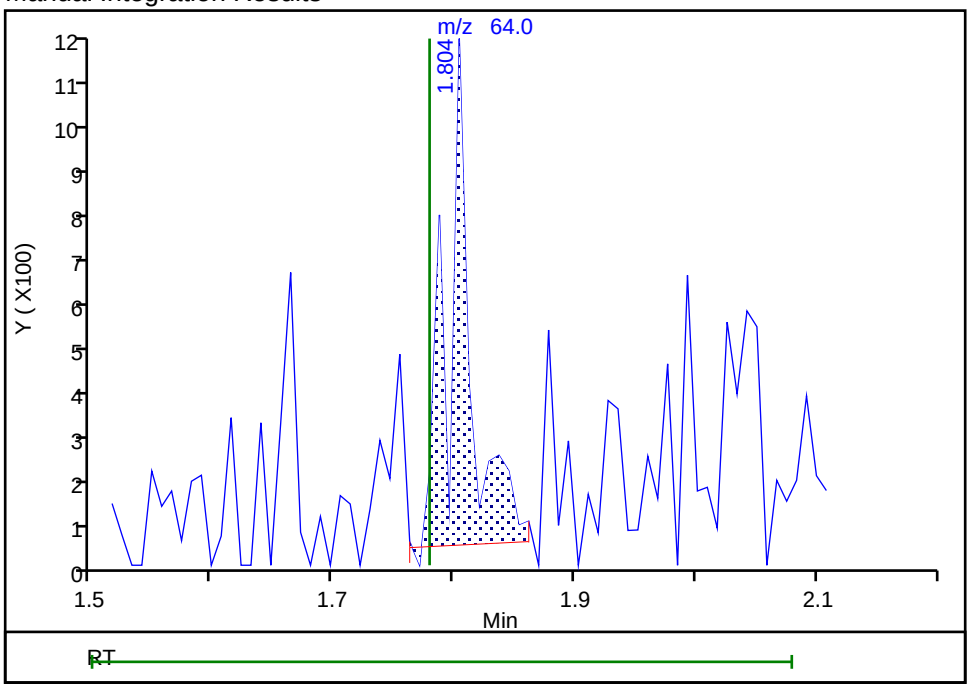
Processing Integration Results

RT: 1.80
Area: 1476
Amount: 0.573614
Amount Units: ug/l



Manual Integration Results

RT: 1.80
Area: 1476
Amount: 0.573614
Amount Units: ug/l



Reviewer: parekhv, 21-Jul-2021 17:04:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

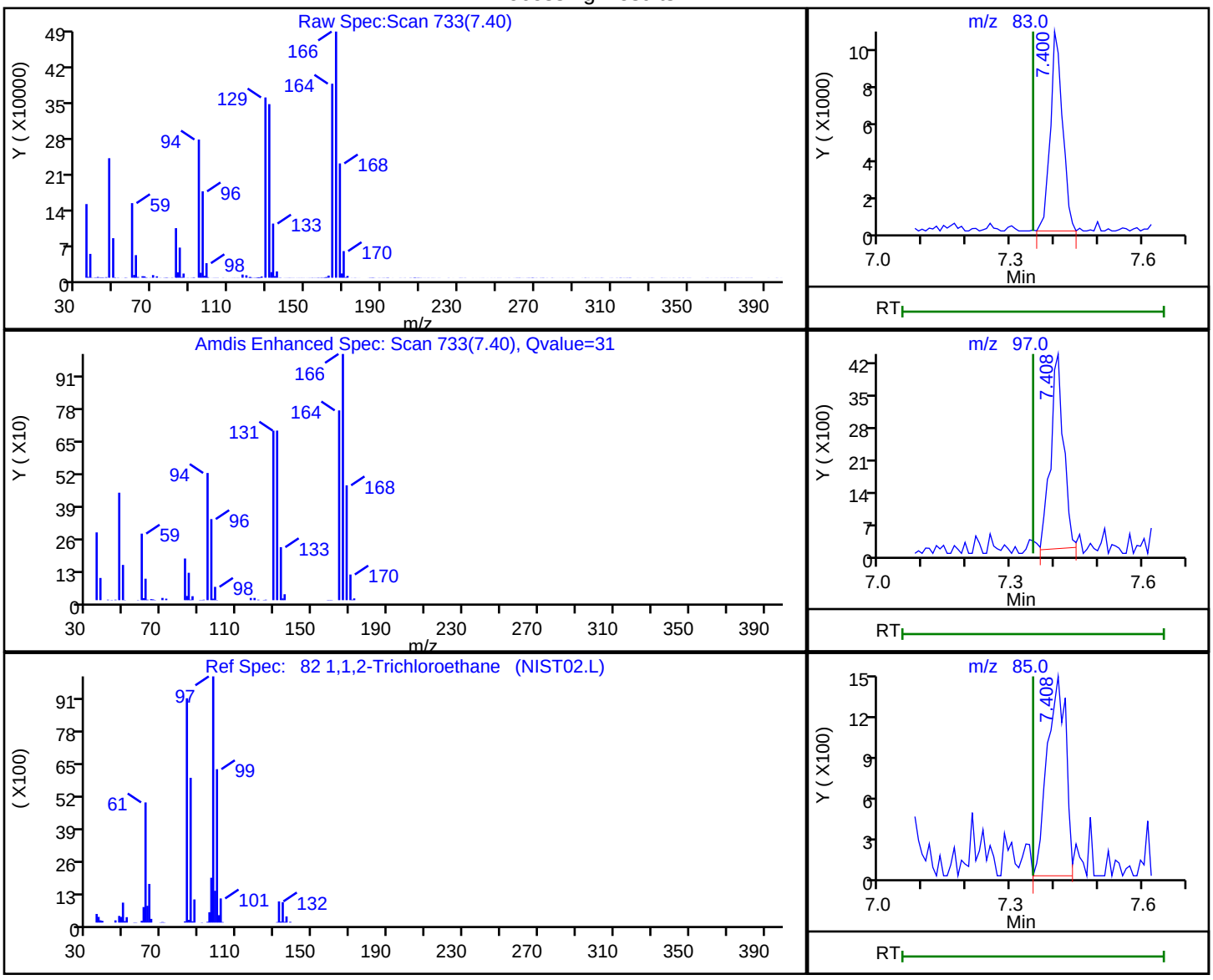
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.40	83.00	20804	11.993381
7.41	97.00	8786	
7.41	85.00	4180	

Reviewer: parekhv, 21-Jul-2021 17:04:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

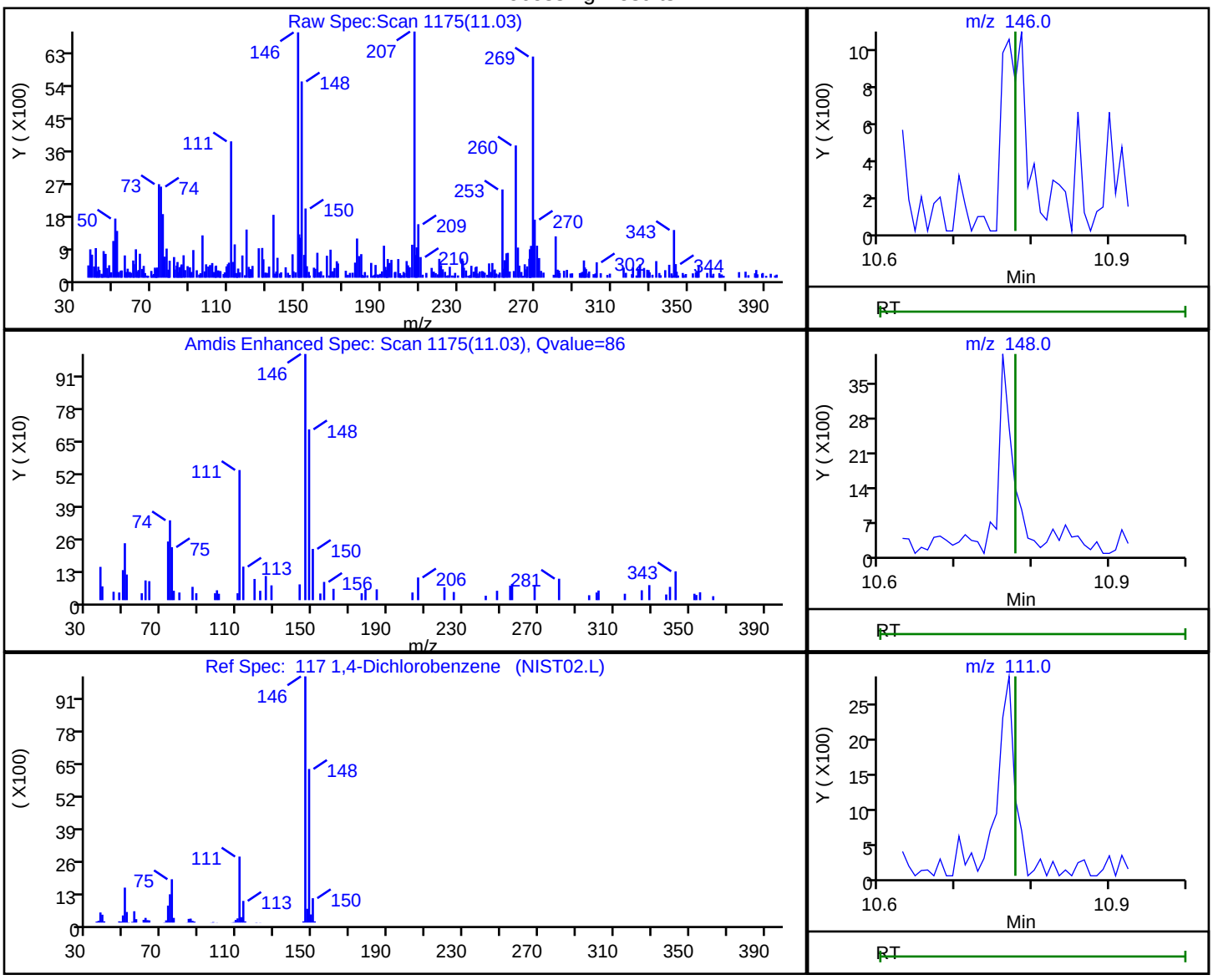
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D		
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

117 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
11.03	146.00	9252	1.158398
11.03	148.00	5354	
11.03	111.00	5036	

Reviewer: xuyvo, 23-Jul-2021 16:03:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

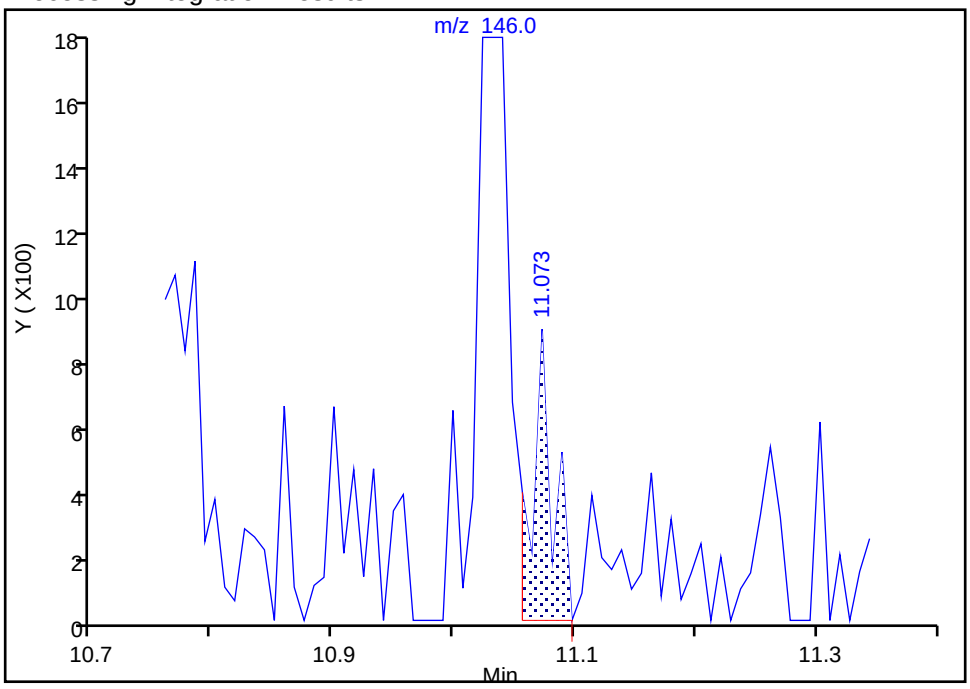
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D				
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2		
Client ID:	MW-2				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

123 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

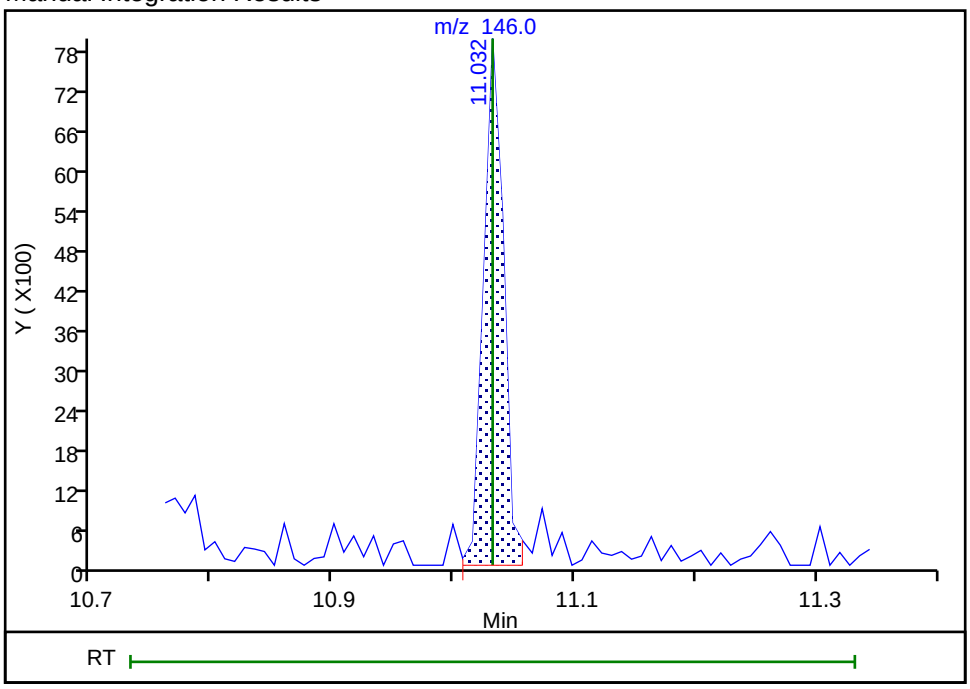
Processing Integration Results

RT: 11.07
Area: 1020
Amount: 0.120916
Amount Units: ug/l



Manual Integration Results

RT: 11.03
Area: 9252
Amount: 1.096784
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 16:03:31

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

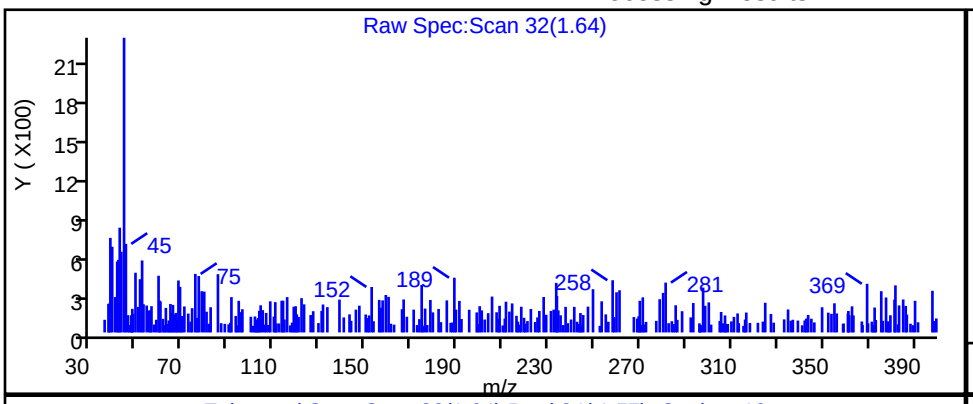
User Disabled Compound Report

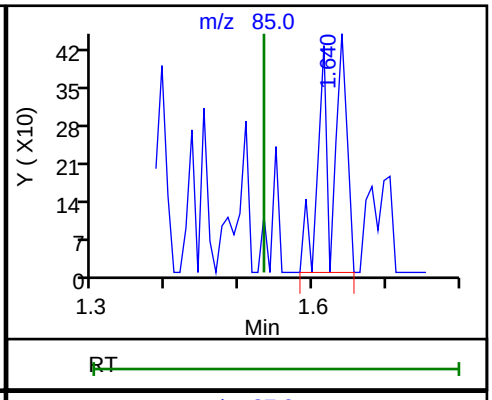
Eurofins TestAmerica, Edison

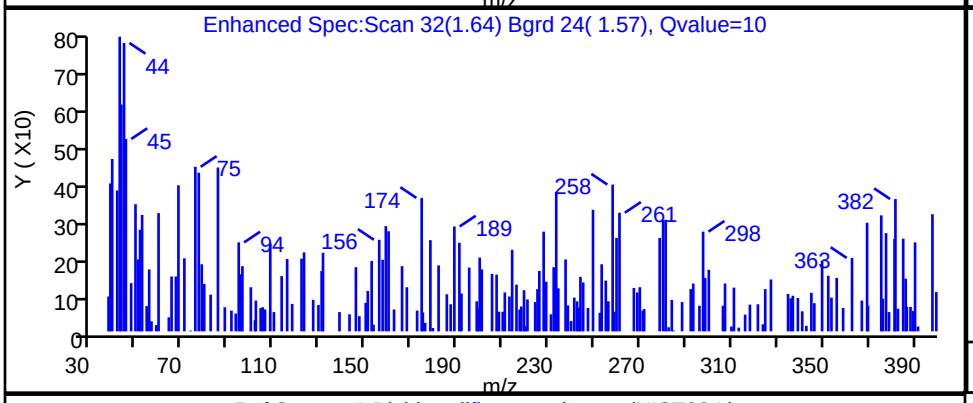
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D		
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

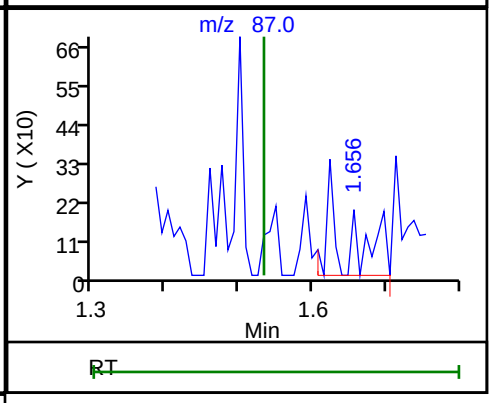
1 Dichlorodifluoromethane, CAS: 75-71-8

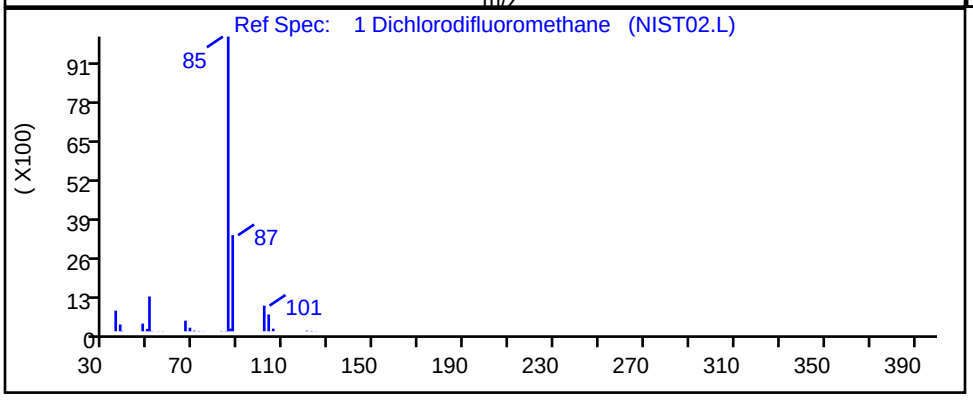
Processing Results











RT	Mass	Response	Amount
1.64	85.00	825	0.147110
1.66	87.00	567	

Reviewer: parekhv, 21-Jul-2021 17:04:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

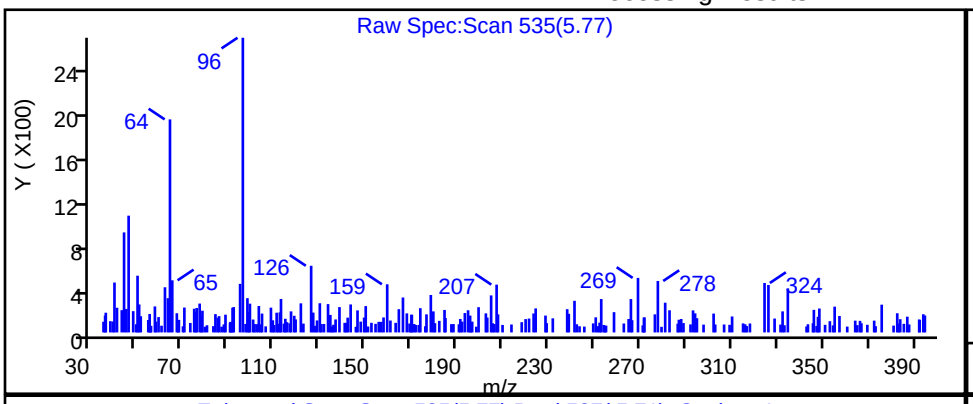
User Disabled Compound Report

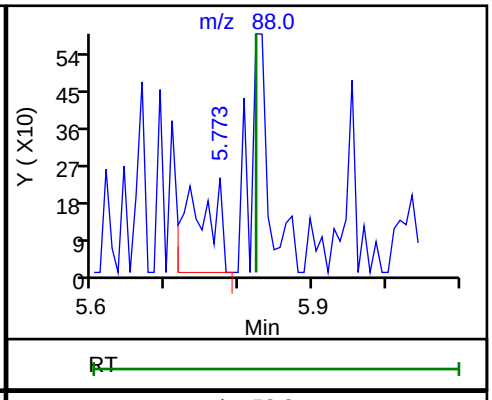
Eurofins TestAmerica, Edison

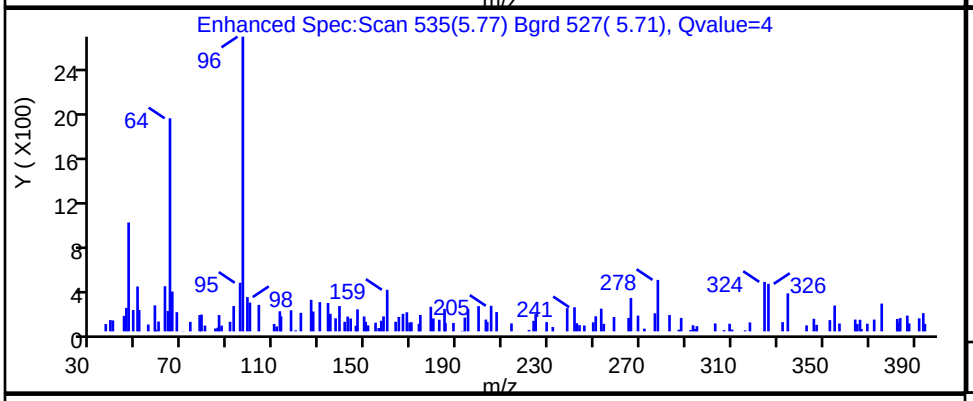
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17261.D		
Injection Date:	21-Jul-2021 16:43:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-2	Lab Sample ID:	460-239070-2
Client ID:	MW-2		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	25.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

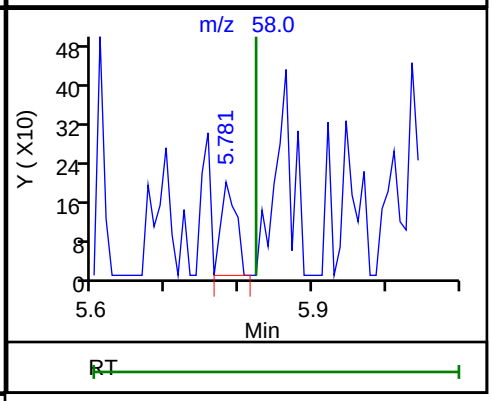
69 1,4-Dioxane, CAS: 123-91-1

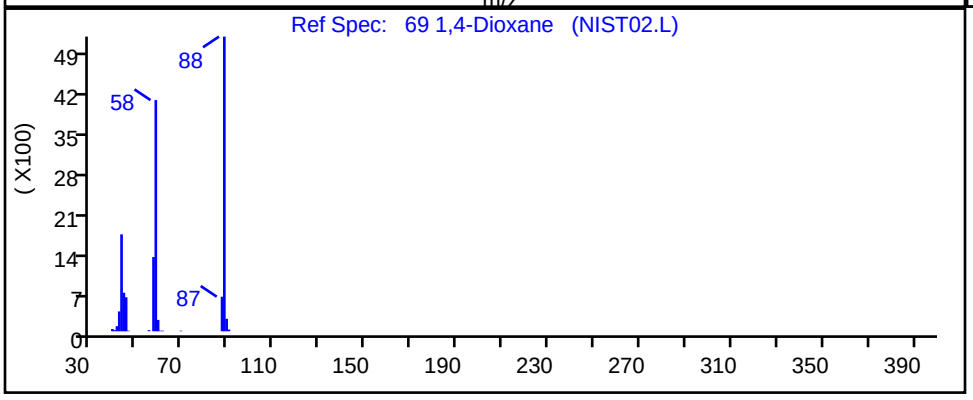
Processing Results











RT	Mass	Response	Amount
5.77	88.00	589	28.809726
5.78	58.00	274	

Reviewer: parekhv, 21-Jul-2021 17:04:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-3A Lab Sample ID: 460-239070-3

Matrix: Water Lab File ID: F17259.D

Analysis Method: 8260D Date Collected: 07/16/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	0.57	J	1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-3A Lab Sample ID: 460-239070-3

Matrix: Water Lab File ID: F17259.D

Analysis Method: 8260D Date Collected: 07/16/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	96		76-120
1868-53-7	Dibromofluoromethane (Surr)	105		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-3A Lab Sample ID: 460-239070-3

Matrix: Water Lab File ID: F17259.D

Analysis Method: 8260D Date Collected: 07/16/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D
Lims ID: 460-239070-B-3
Client ID: MW-3A
Sample Type: Client
Inject. Date: 21-Jul-2021 15:57:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-3
Misc. Info.: 460-0132123-027
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 16:01:11 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:53:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	405495	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	393474	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	93	132420	52.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	220863	55.9	
* 61 Fluorobenzene	96	5.099	5.091	0.008	96	430395	50.0	
* 67 1,4-Dioxane-d8	96	5.773	5.781	-0.008	0	29061	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	97	441850	51.2	
83 Tetrachloroethene	166	7.425	7.400	0.025	19	2001	0.5720	M
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	92	335520	50.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	87	148749	47.9	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	97	220032	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

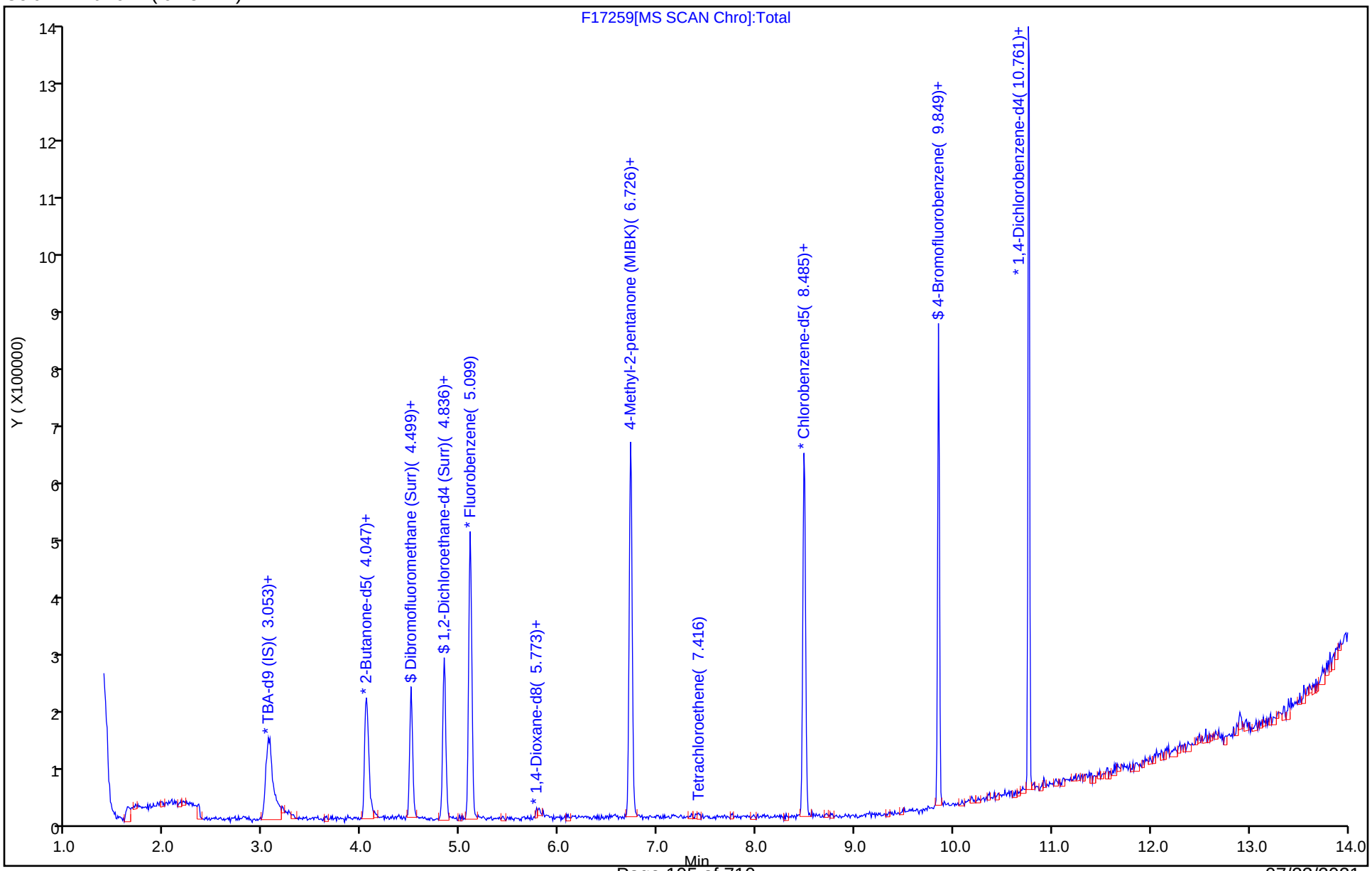
Report Date: 23-Jul-2021 16:01:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D

Injection Date:	21-Jul-2021 15:57:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-3	Lab Sample ID:	460-239070-3	Worklist Smp#:	27
Client ID:	MW-3A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

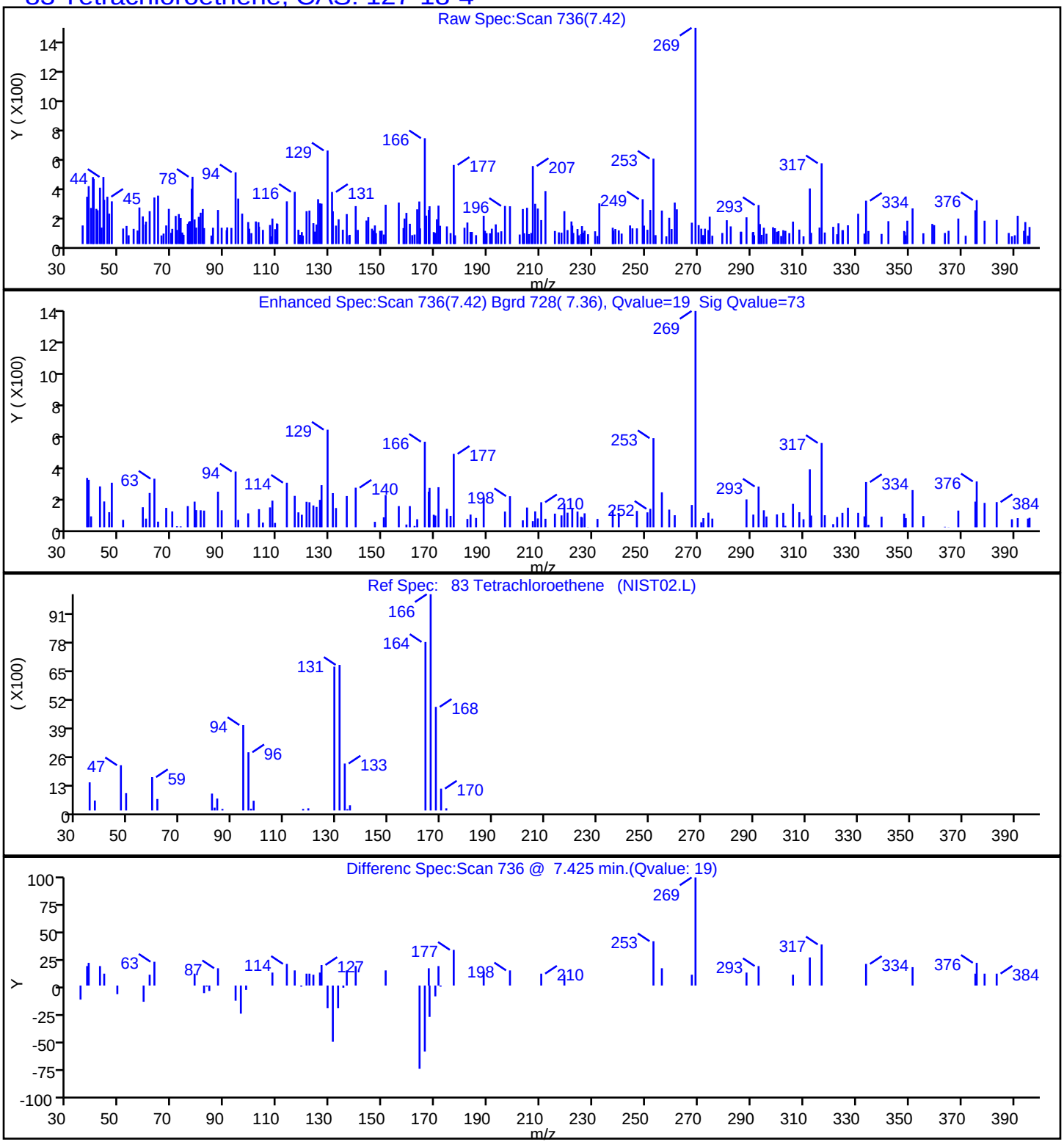
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D				
Injection Date:	21-Jul-2021 15:57:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-3	Lab Sample ID:	460-239070-3		
Client ID:	MW-3A				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4



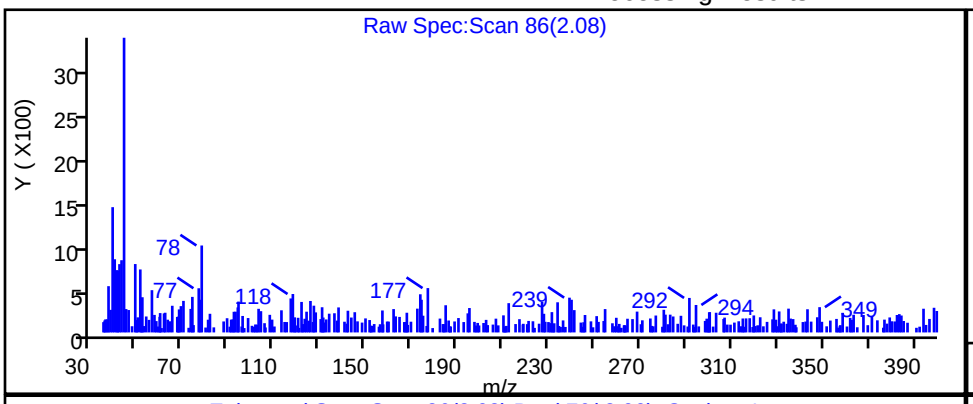
User Disabled Compound Report

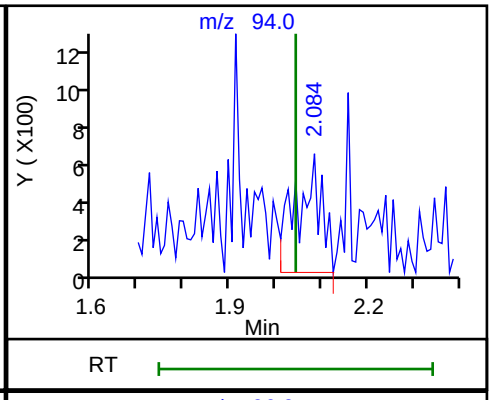
Eurofins TestAmerica, Edison

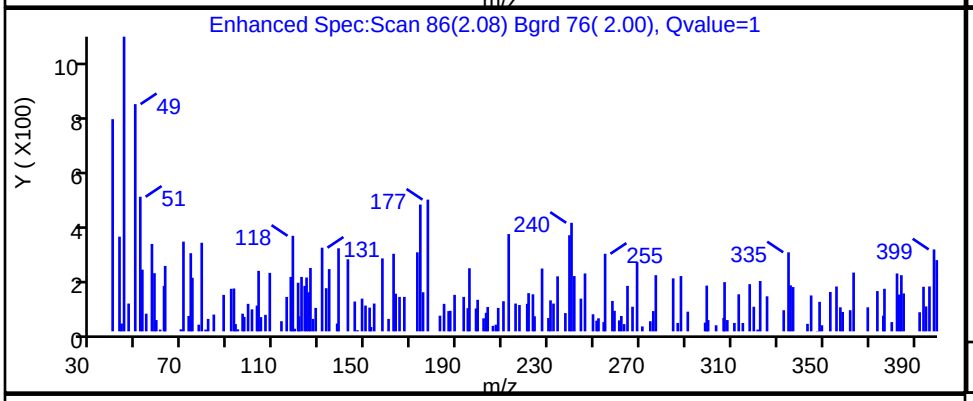
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D		
Injection Date:	21-Jul-2021 15:57:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-3	Lab Sample ID:	460-239070-3
Client ID:	MW-3A		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

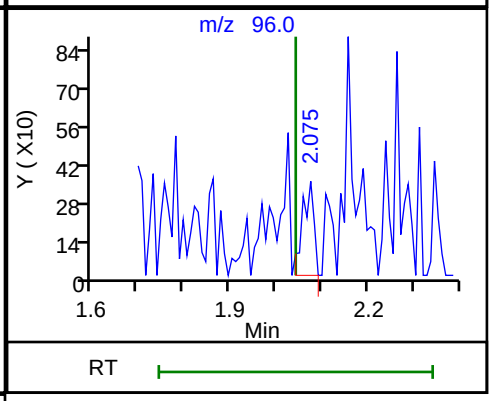
5 Bromomethane, CAS: 74-83-9

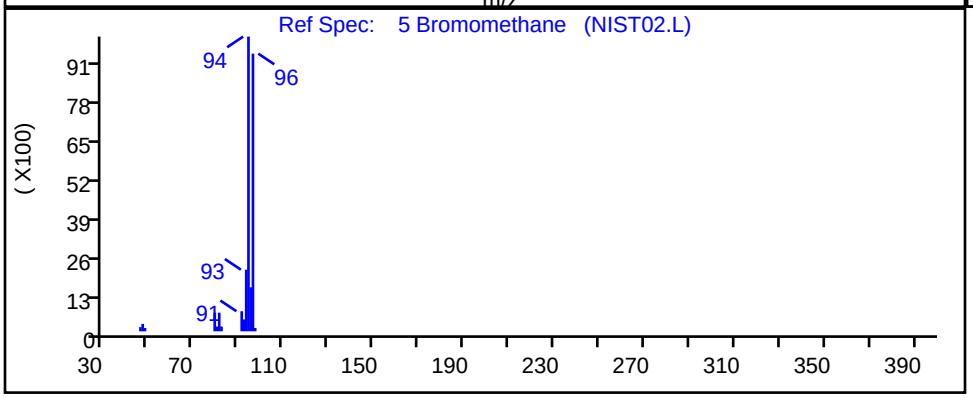
Processing Results











RT	Mass	Response	Amount
2.08	94.00	2409	0.520690
2.08	96.00	597	

Reviewer: parekhv, 21-Jul-2021 16:53:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

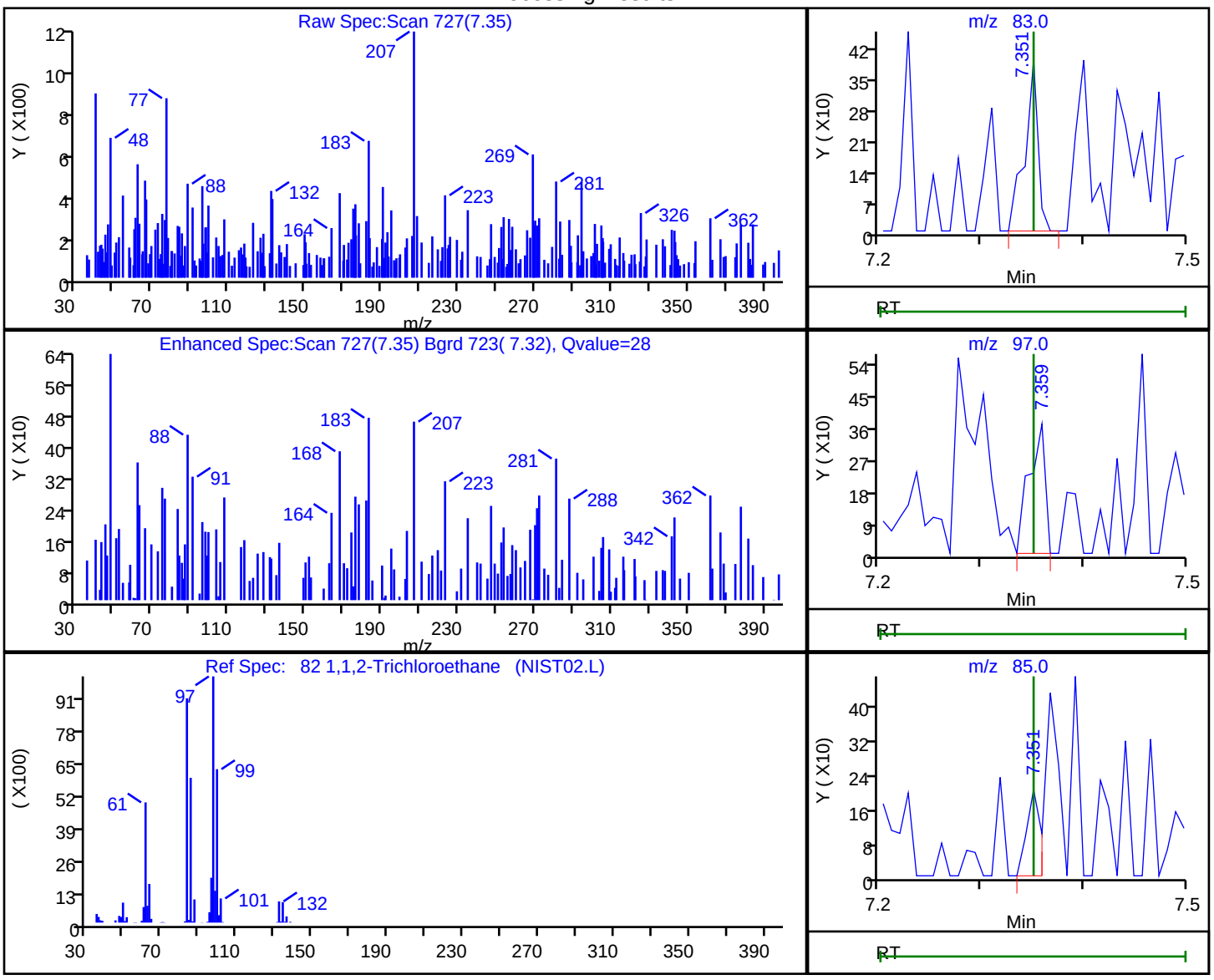
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D		
Injection Date:	21-Jul-2021 15:57:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-3	Lab Sample ID:	460-239070-3
Client ID:	MW-3A		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.35	83.00	358	0.184934
7.36	97.00	404	
7.35	85.00	193	

Reviewer: parekhv, 21-Jul-2021 16:53:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

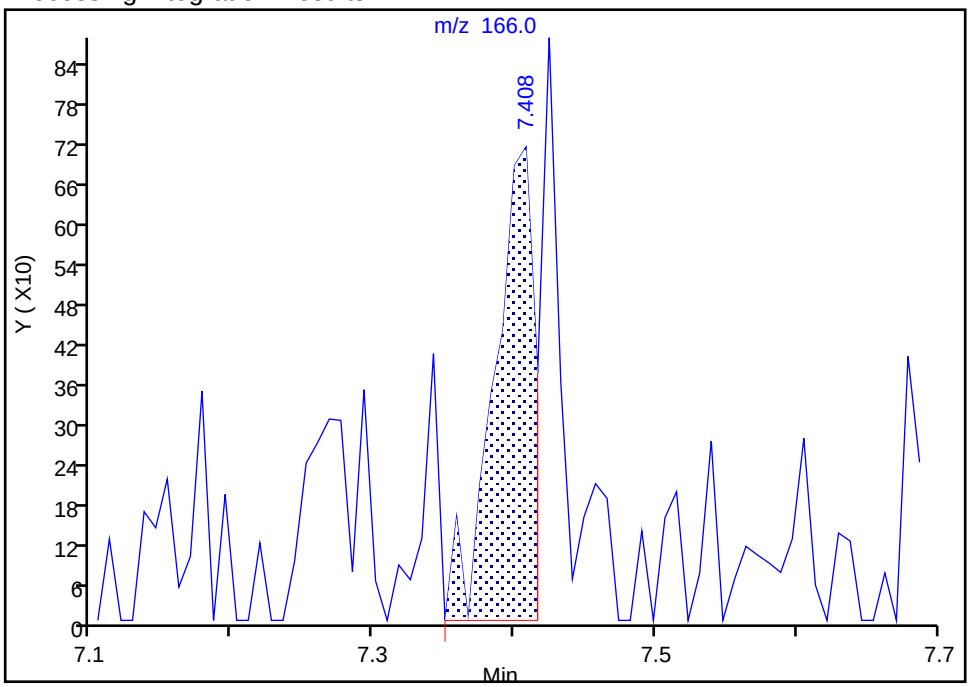
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D		
Injection Date:	21-Jul-2021 15:57:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-3	Lab Sample ID:	460-239070-3
Client ID:	MW-3A		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4

Signal: 1

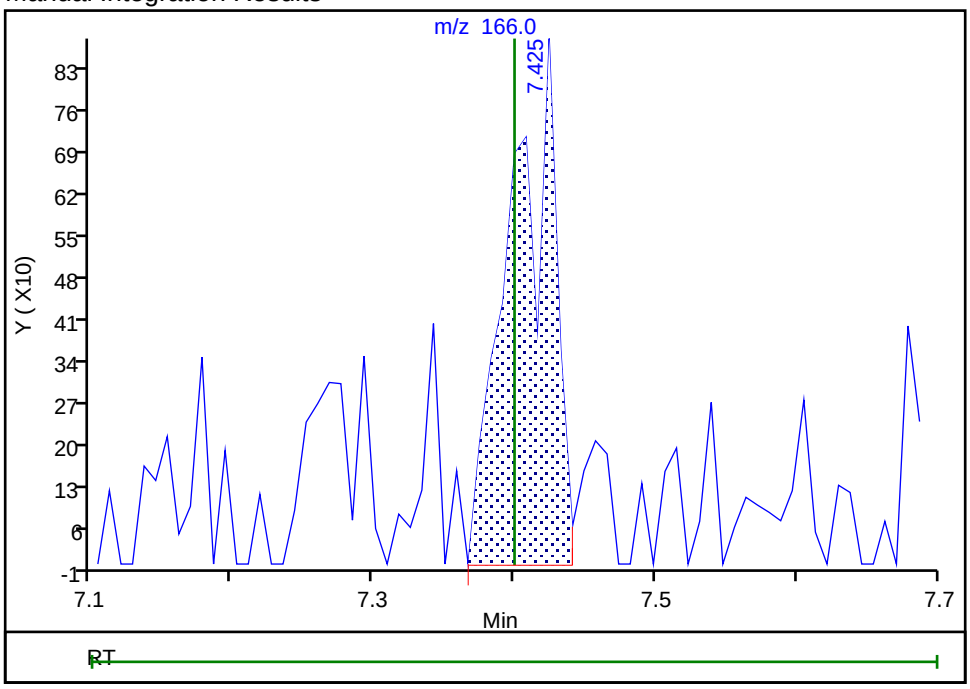
Processing Integration Results

RT: 7.41
Area: 1430
Amount: 0.408763
Amount Units: ug/l



Manual Integration Results

RT: 7.42
Area: 2001
Amount: 0.571982
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 16:01:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

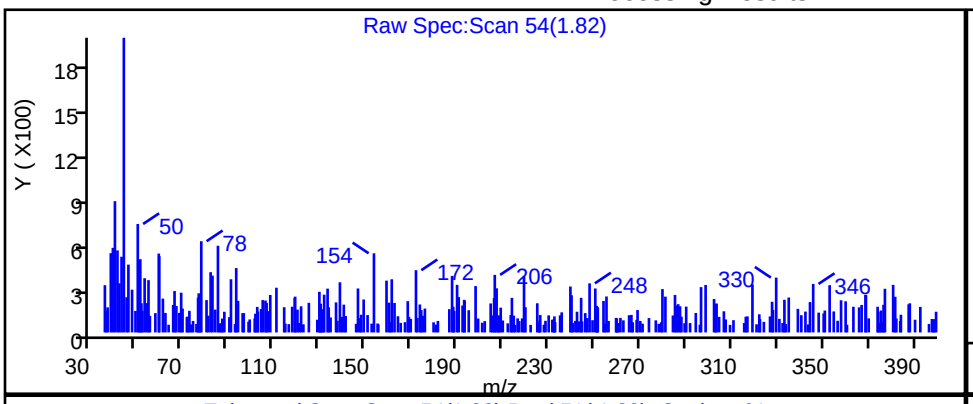
User Disabled Compound Report

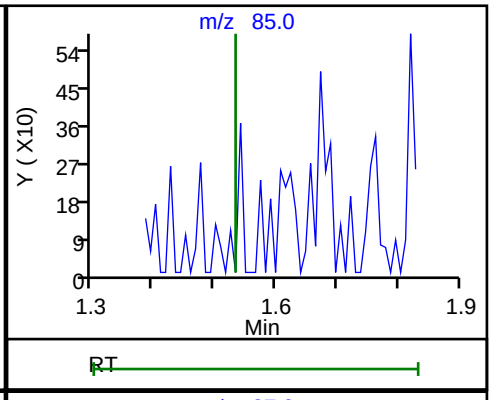
Eurofins TestAmerica, Edison

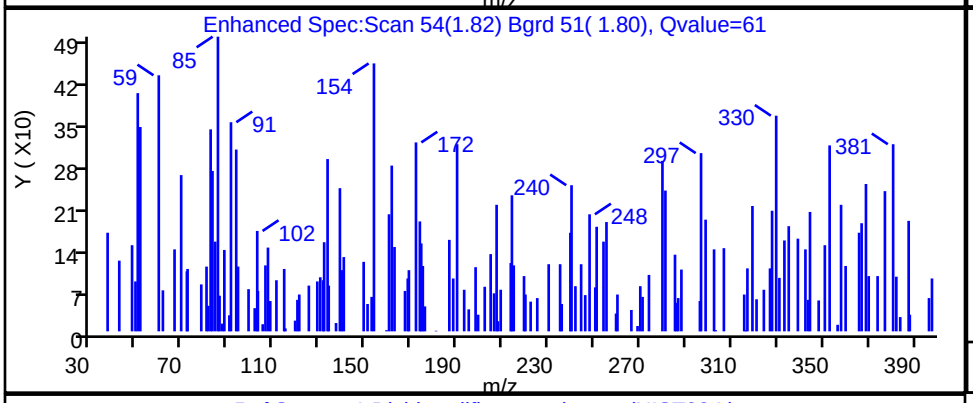
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17259.D		
Injection Date:	21-Jul-2021 15:57:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-3	Lab Sample ID:	460-239070-3
Client ID:	MW-3A		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

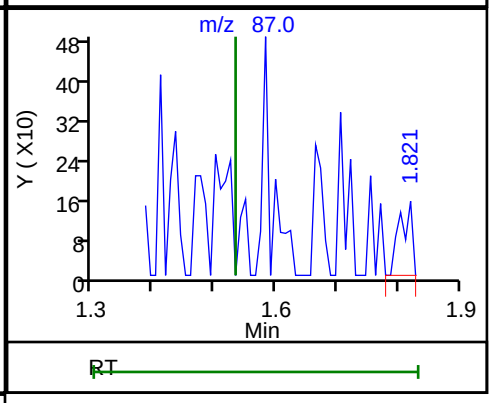
1 Dichlorodifluoromethane, CAS: 75-71-8

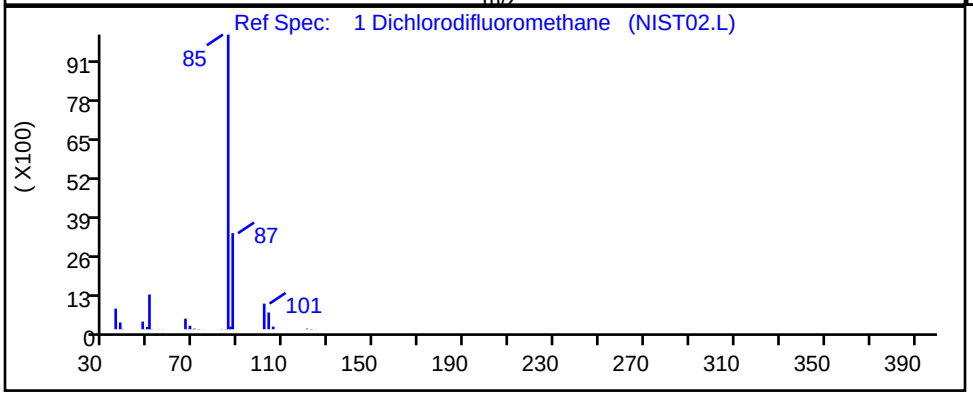
Processing Results











RT	Mass	Response	Amount
1.82	85.00	893	0.145146
1.82	87.00	213	

Reviewer: parekhv, 21-Jul-2021 16:53:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-4A Lab Sample ID: 460-239070-4

Matrix: Water Lab File ID: F17258.D

Analysis Method: 8260D Date Collected: 07/16/2021 13:22

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	0.59	J	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	4.0		1.0	0.22
67-66-3	Chloroform	0.55	J	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	6.4		1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	8.2		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-4A Lab Sample ID: 460-239070-4

Matrix: Water Lab File ID: F17258.D

Analysis Method: 8260D Date Collected: 07/16/2021 13:22

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	102		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-4A Lab Sample ID: 460-239070-4

Matrix: Water Lab File ID: F17258.D

Analysis Method: 8260D Date Collected: 07/16/2021 13:22

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D
Lims ID: 460-239070-B-4
Client ID: MW-4A
Sample Type: Client
Inject. Date: 21-Jul-2021 15:35:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-4
Misc. Info.: 460-0132123-026
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:57:39 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:05:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	408965	1000.0	
30 trans-1,2-Dichloroethene	96	3.226	3.218	0.008	72	3844	0.5933	
* 38 2-Butanone-d5	46	4.056	4.039	0.017	0	419293	250.0	
40 cis-1,2-Dichloroethene	96	4.088	4.080	0.008	92	15931	4.04	
48 Chloroform	83	4.351	4.343	0.008	77	3795	0.5488	
$ 51 Dibromofluoromethane (Surr)	113	4.507	4.491	0.016	94	138968	49.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.844	4.828	0.016	0	246590	55.9	
* 61 Fluorobenzene	96	5.107	5.091	0.016	97	479784	50.0	
63 Trichloroethene	95	5.444	5.436	0.008	91	22154	6.43	
* 67 1,4-Dioxane-d8	96	5.781	5.781	0.000	0	24949	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	96	485469	52.2	
83 Tetrachloroethene	166	7.408	7.400	0.008	90	31005	8.21	
* 89 Chlorobenzene-d5	117	8.493	8.485	0.008	92	362010	50.0	
$ 100 4-Bromofluorobenzene	174	9.848	9.849	-0.001	85	171049	51.0	
* 116 1,4-Dichlorobenzene-d4	152	10.761	10.761	0.000	96	242885	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

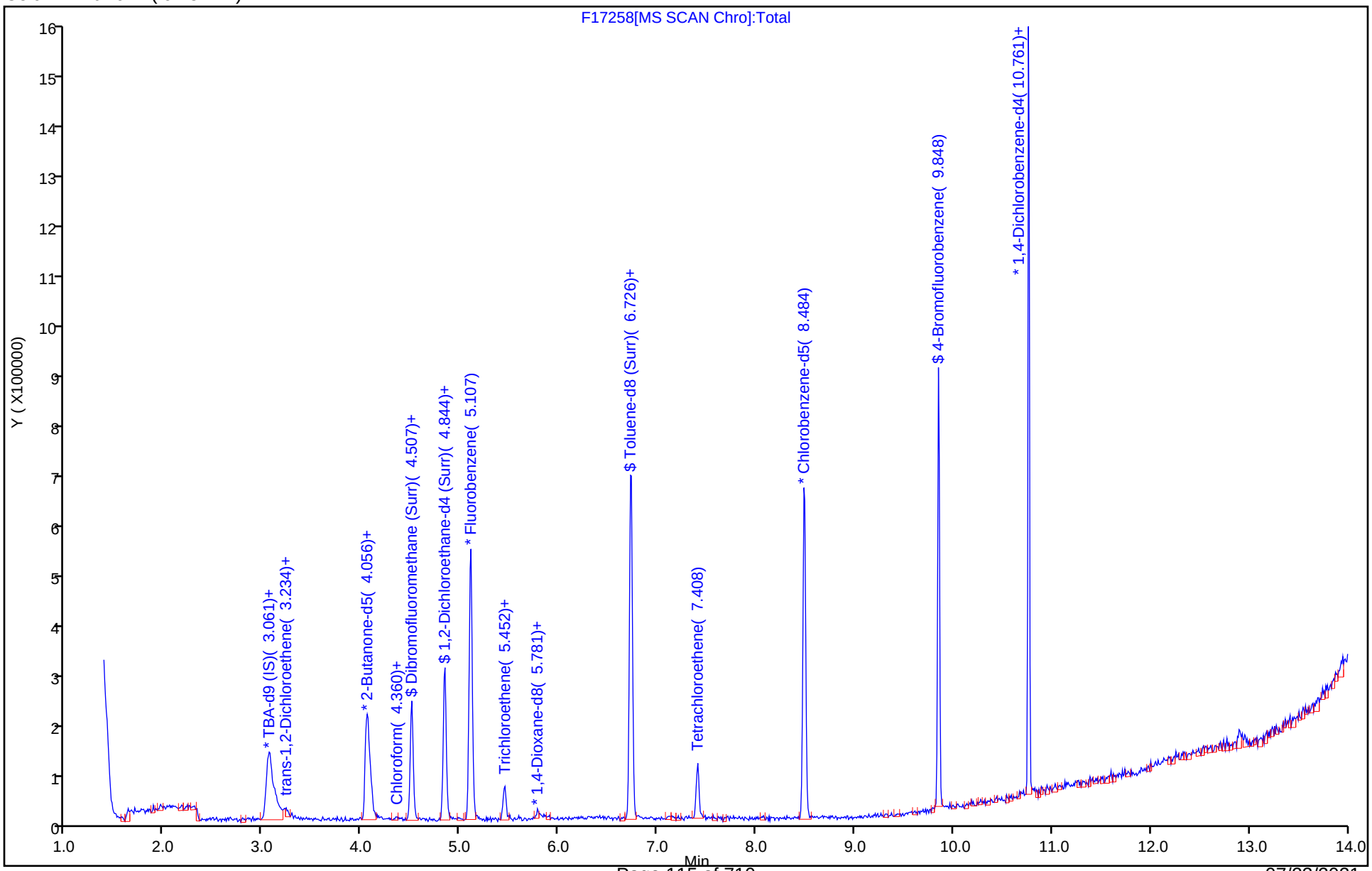
Report Date: 23-Jul-2021 16:00:27 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D

Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4	Worklist Smp#:	26
Client ID:	MW-4A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

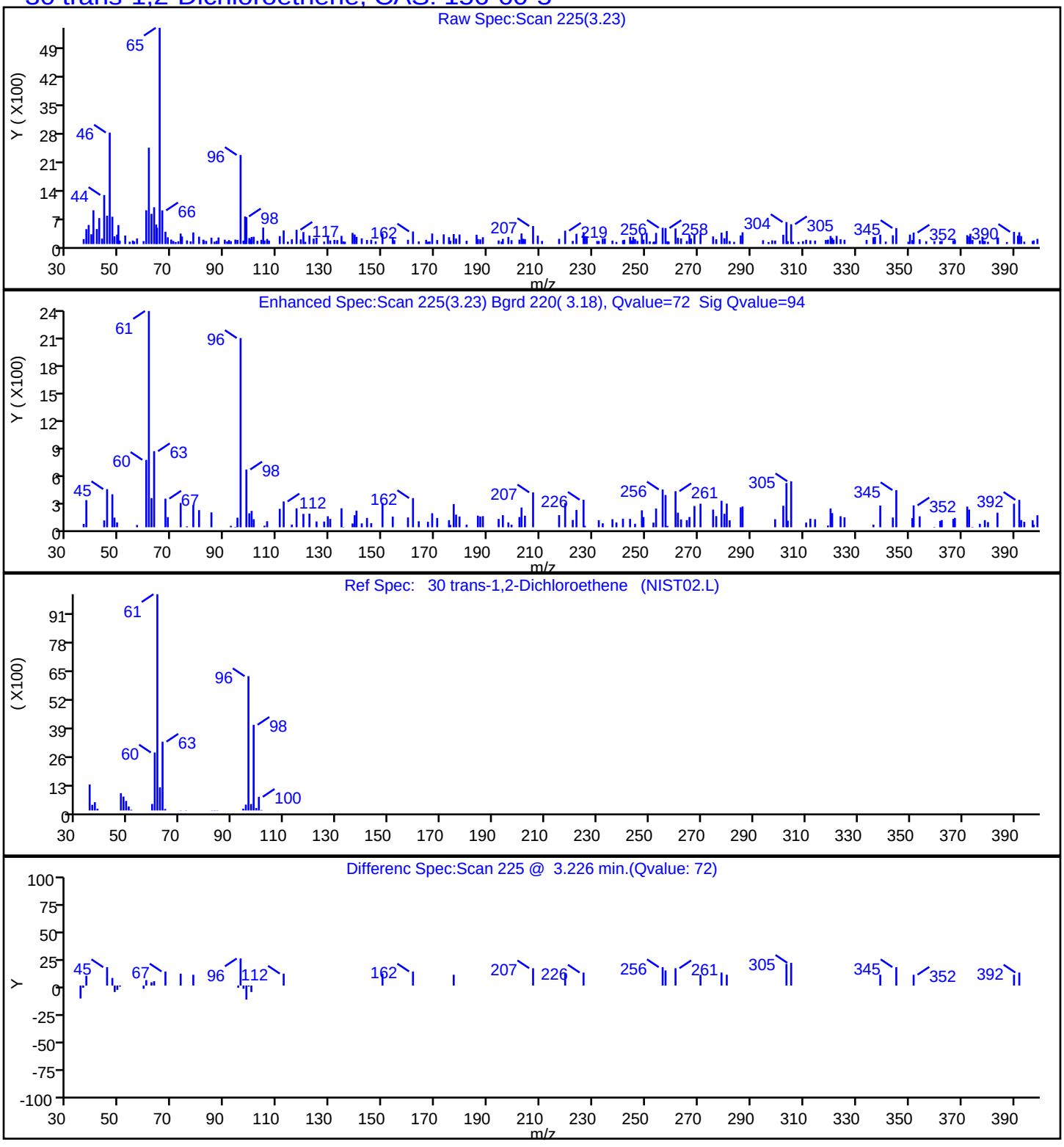
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D				
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4		
Client ID:	MW-4A				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

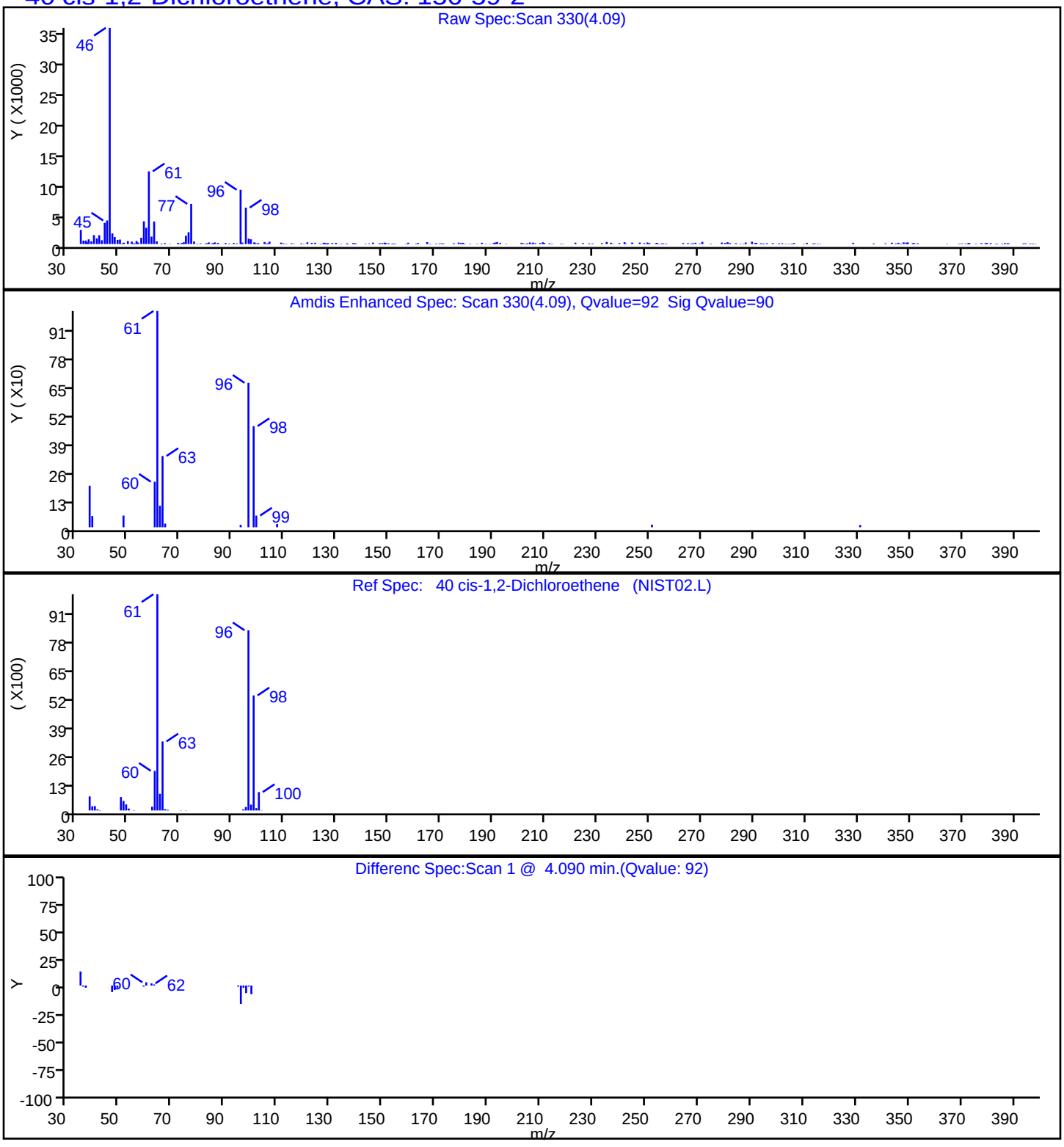
30 trans-1,2-Dichloroethene, CAS: 156-60-5



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D				
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4		
Client ID:	MW-4A				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

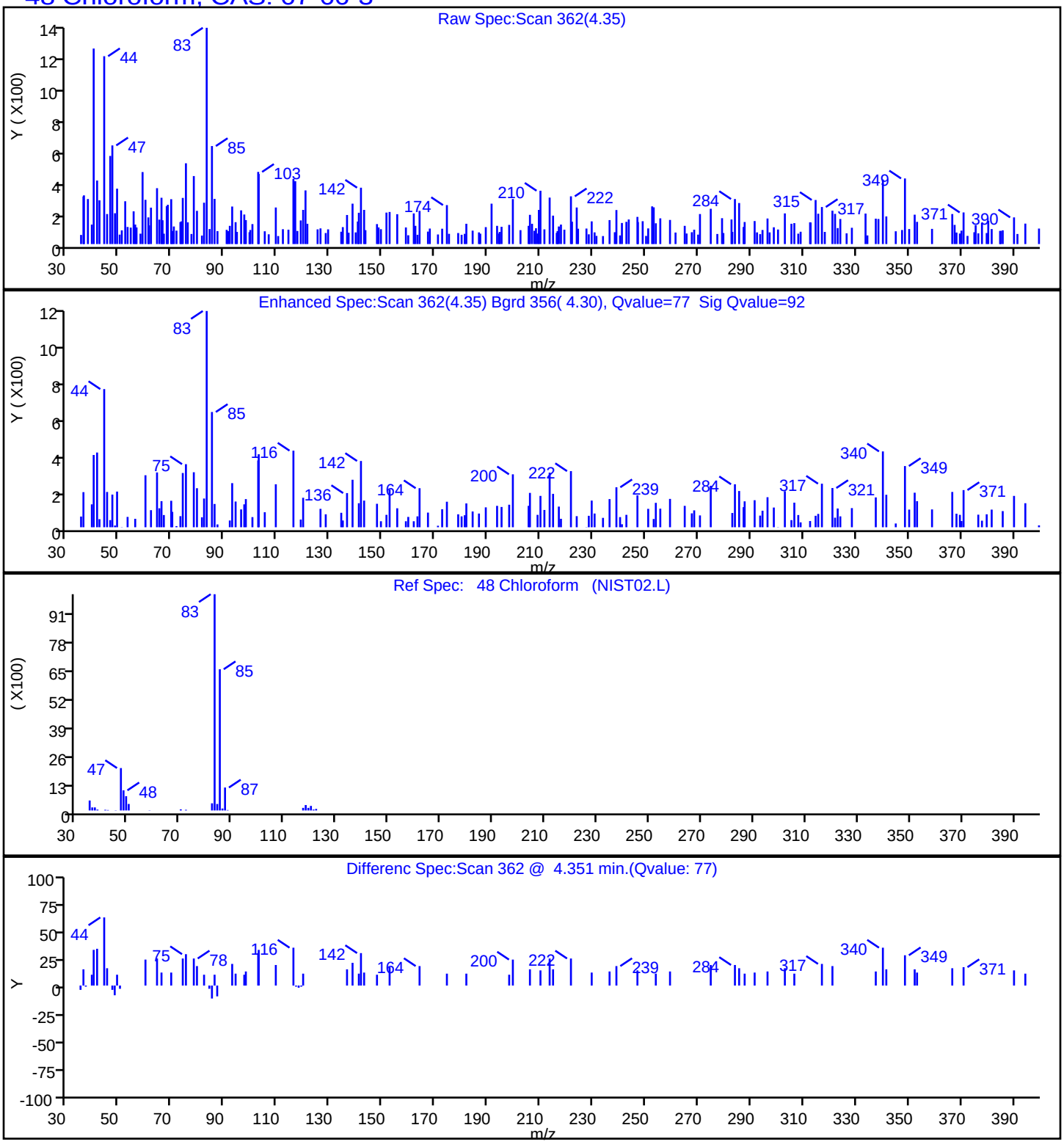
40 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D				
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4		
Client ID:	MW-4A				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

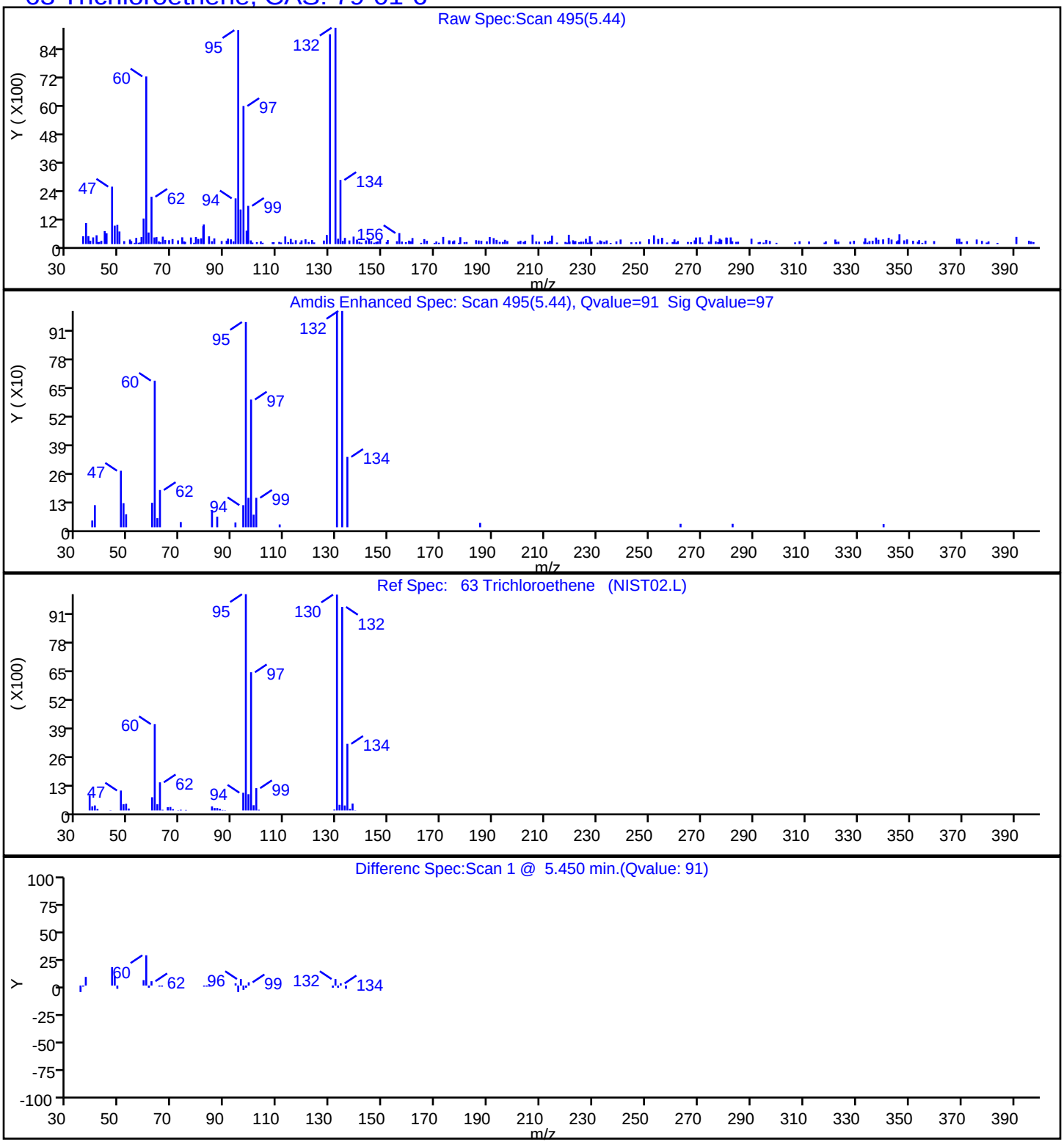
48 Chloroform, CAS: 67-66-3



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D				
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4		
Client ID:	MW-4A				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

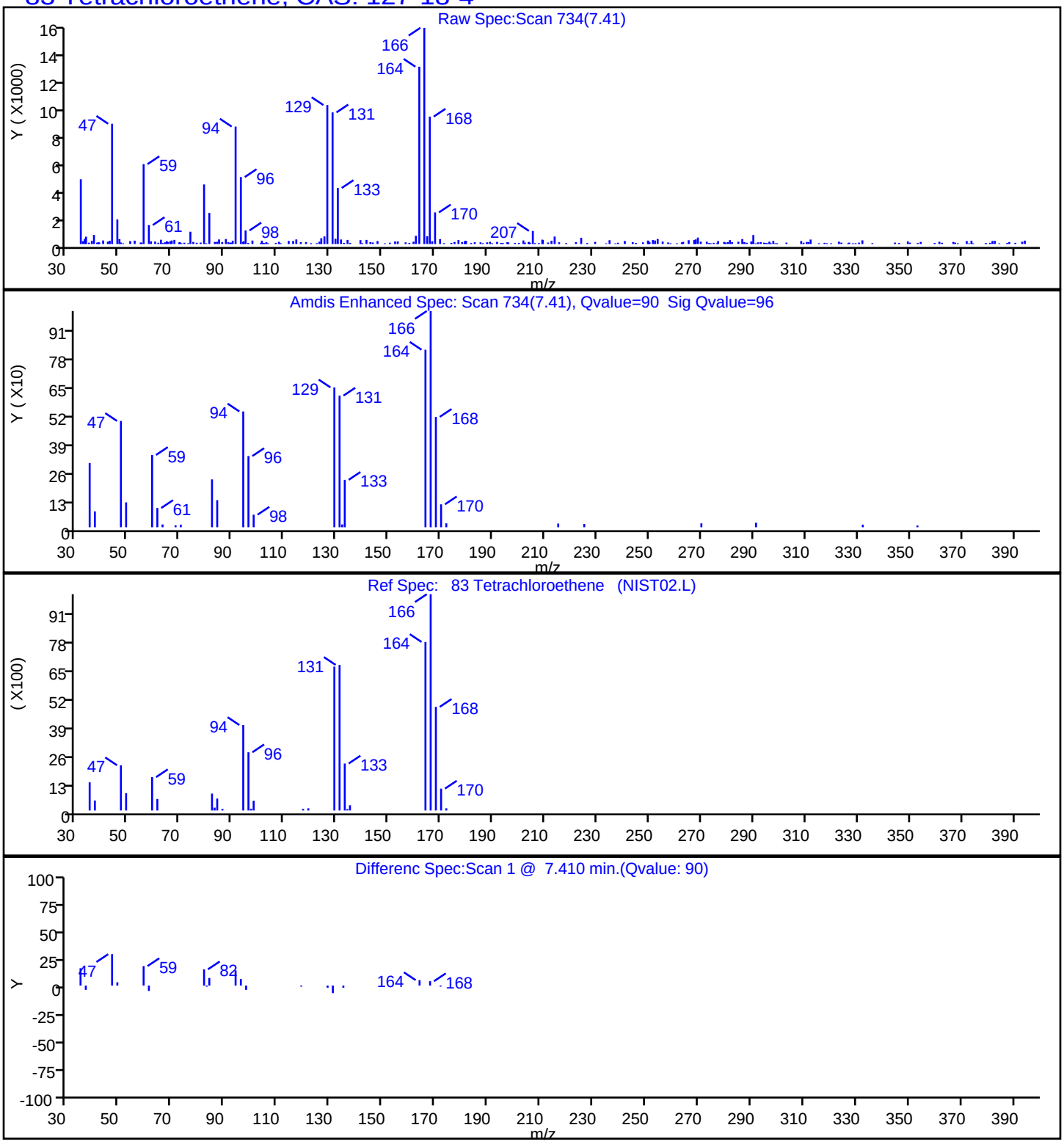
63 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D		
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4
Client ID:	MW-4A		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4



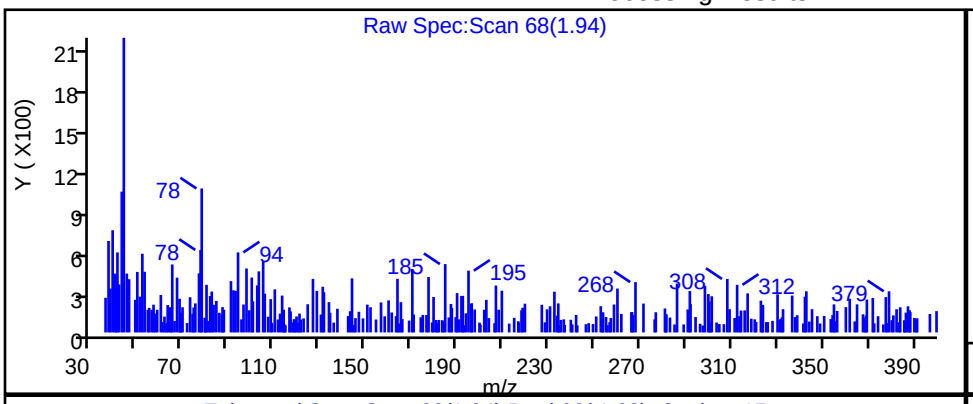
User Disabled Compound Report

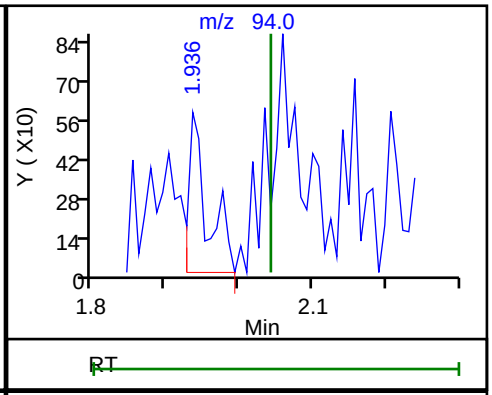
Eurofins TestAmerica, Edison

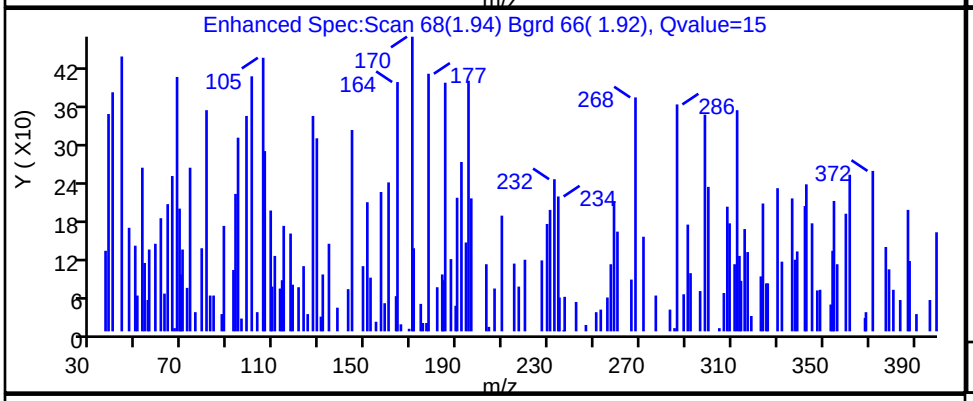
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D				
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4		
Client ID:	MW-4A				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

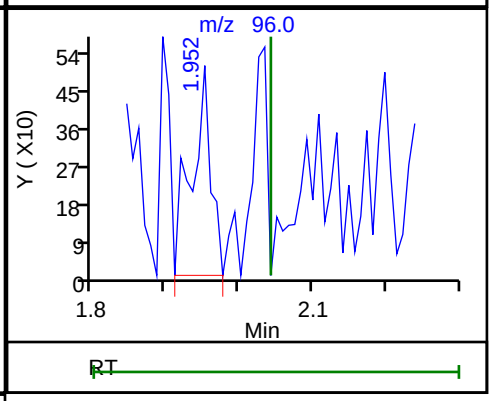
5 Bromomethane, CAS: 74-83-9

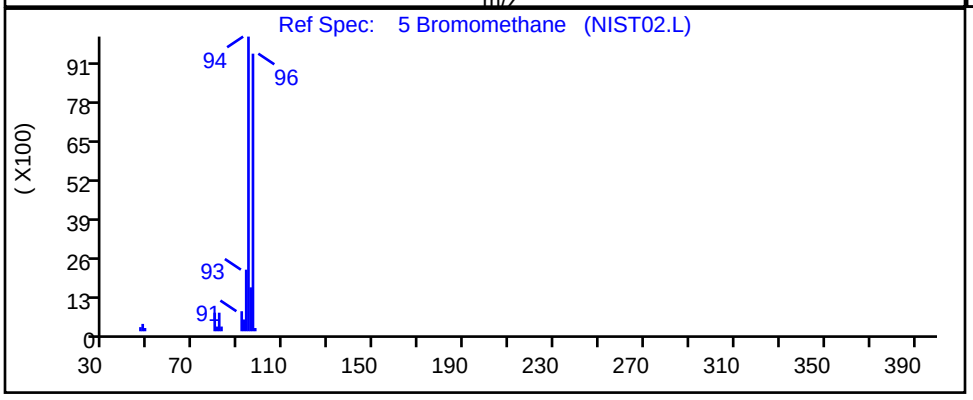
Processing Results











RT	Mass	Response	Amount
1.94	94.00	1007	0.195251
1.95	96.00	929	

Reviewer: parekhv, 21-Jul-2021 16:05:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

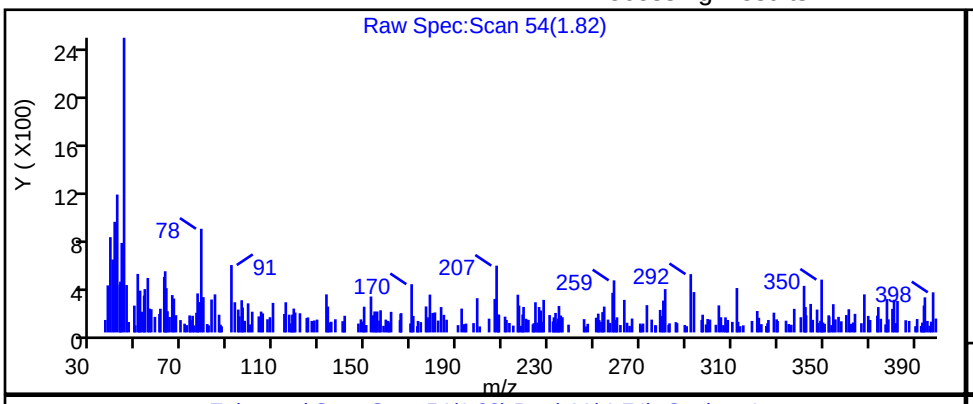
User Disabled Compound Report

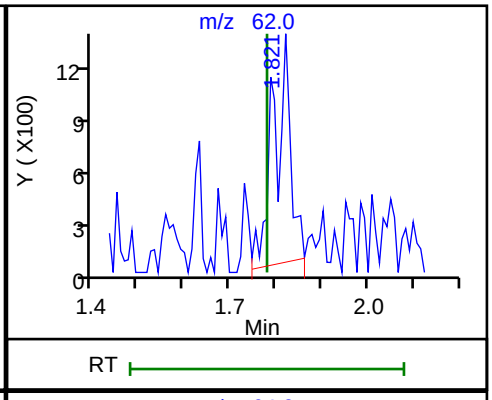
Eurofins TestAmerica, Edison

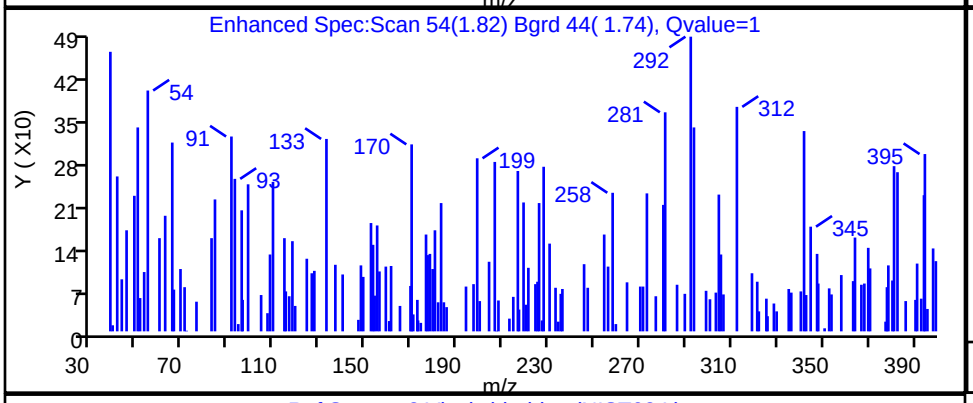
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D		
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4
Client ID:	MW-4A		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

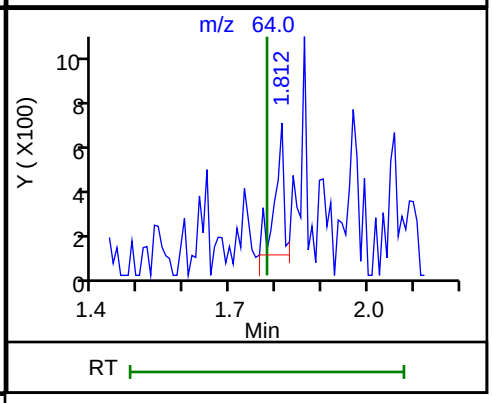
3 Vinyl chloride, CAS: 75-01-4

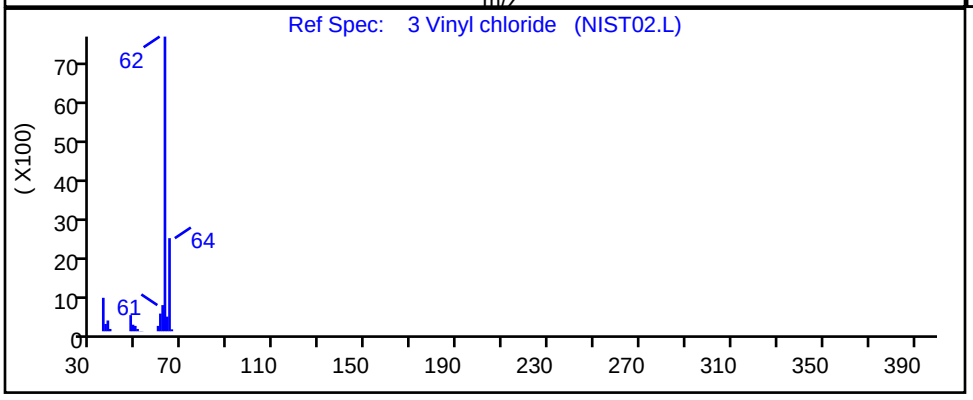
Processing Results











RT	Mass	Response	Amount
1.82	62.00	3333	0.532457
1.81	64.00	777	

Reviewer: parekhv, 21-Jul-2021 16:05:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

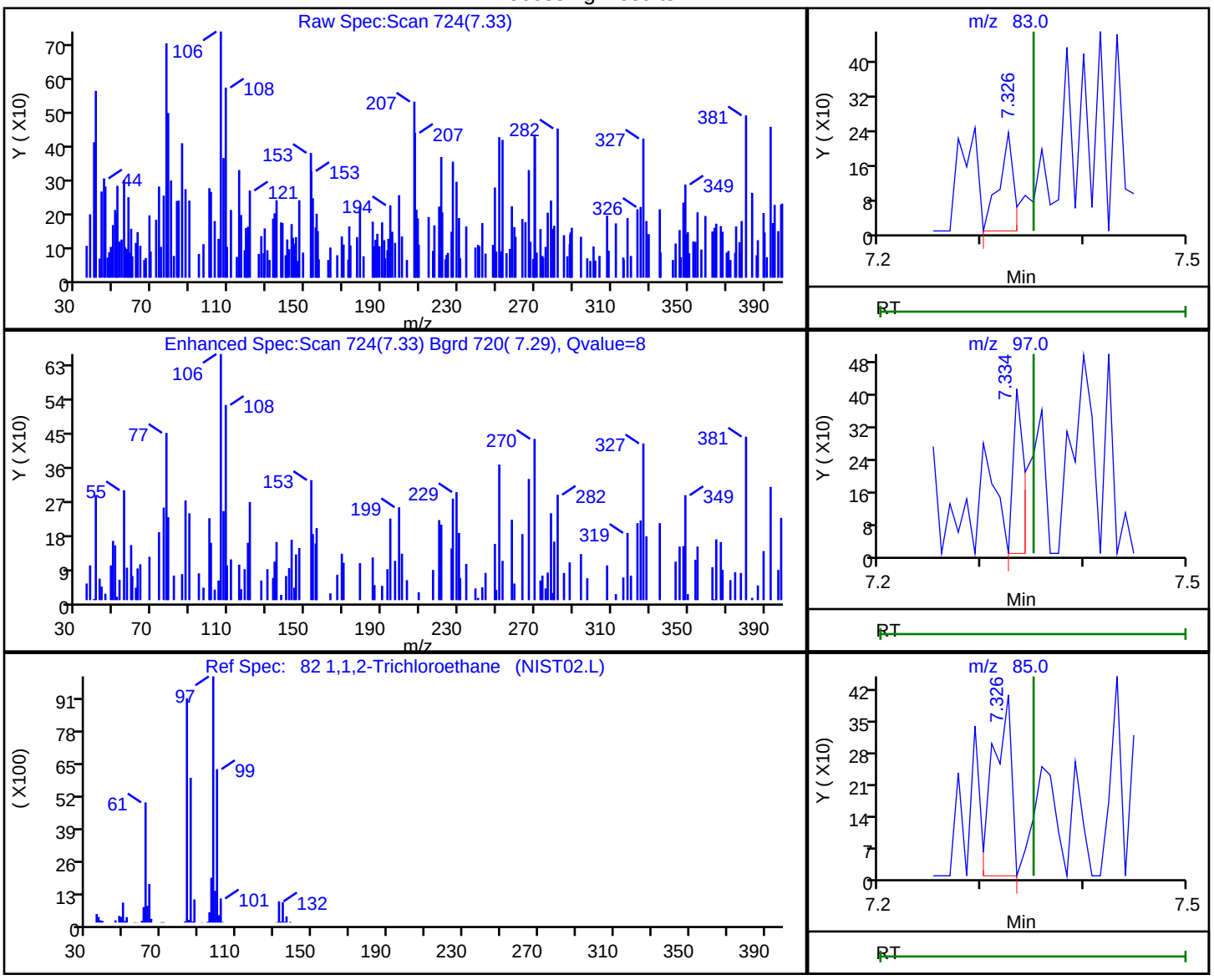
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17258.D		
Injection Date:	21-Jul-2021 15:35:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-4	Lab Sample ID:	460-239070-4
Client ID:	MW-4A		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.33	83.00	230	0.110119
7.33	97.00	298	
7.33	85.00	490	

Reviewer: parekhv, 21-Jul-2021 16:05:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 460-239070-5

Matrix: Water Lab File ID: F17257.D

Analysis Method: 8260D Date Collected: 07/16/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	10		1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	0.60	J	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	1.9		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 460-239070-5

Matrix: Water Lab File ID: F17257.D

Analysis Method: 8260D Date Collected: 07/16/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene	102		76-120
1868-53-7	Dibromofluoromethane (Surr)	103		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-5 Lab Sample ID: 460-239070-5

Matrix: Water Lab File ID: F17257.D

Analysis Method: 8260D Date Collected: 07/16/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D
Lims ID: 460-239070-B-5
Client ID: MW-5
Sample Type: Client
Inject. Date: 21-Jul-2021 15:11:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-5
Misc. Info.: 460-0132123-025
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:57:39 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:05:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	435579	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	436230	250.0	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	89	36754	10.2	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	94	132854	51.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	231441	57.4	
* 61 Fluorobenzene	96	5.099	5.091	0.008	96	438757	50.0	
63 Trichloroethene	95	5.436	5.436	0.000	71	1893	0.6004	
* 67 1,4-Dioxane-d8	96	5.781	5.781	0.000	0	26070	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	97	454743	53.0	
83 Tetrachloroethene	166	7.408	7.400	0.008	84	6776	1.95	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	94	333838	50.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	84	157242	50.9	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	97	220463	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

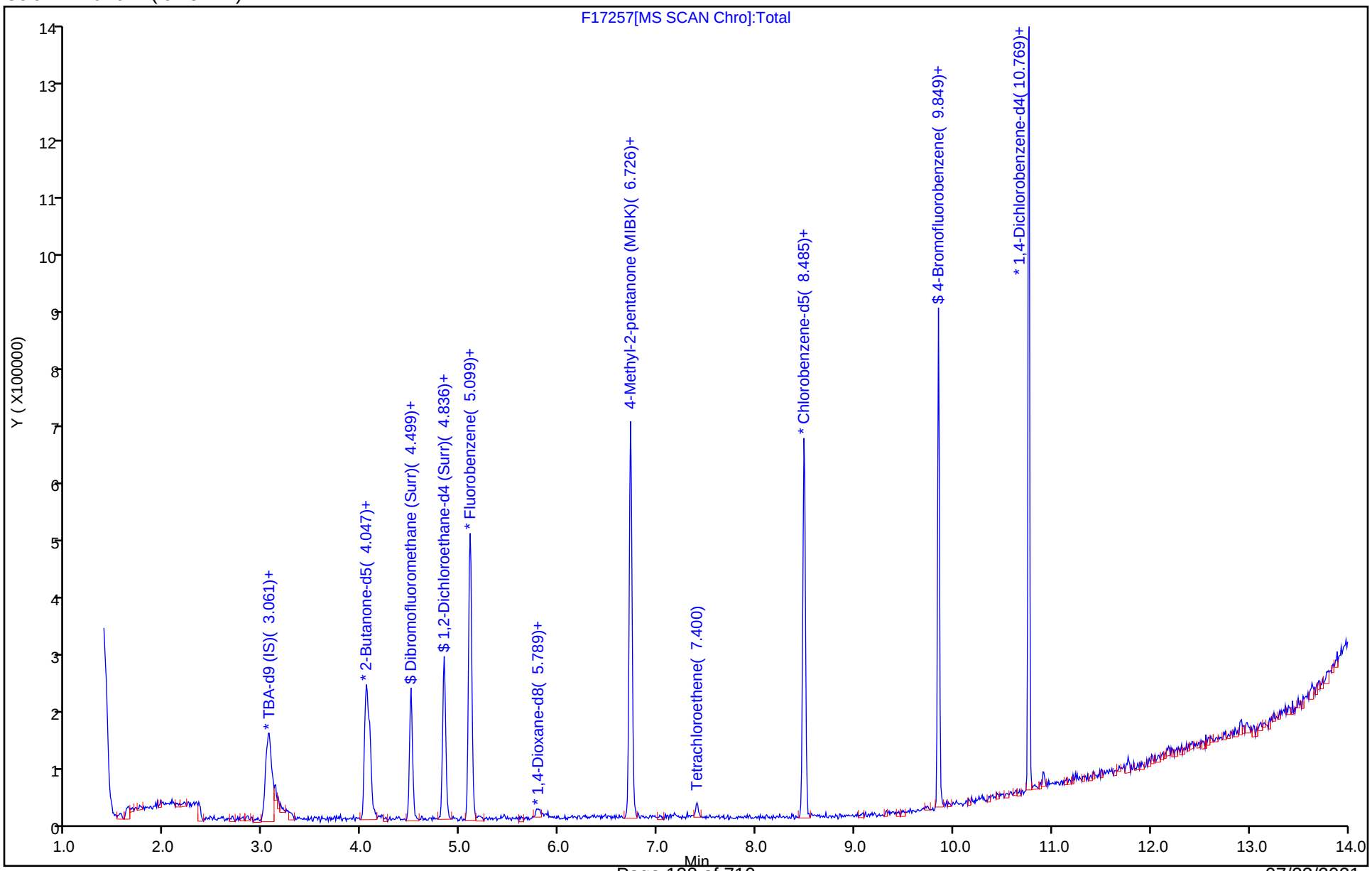
Report Date: 23-Jul-2021 15:59:53 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D

Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5	Worklist Smp#:	25
Client ID:	MW-5				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

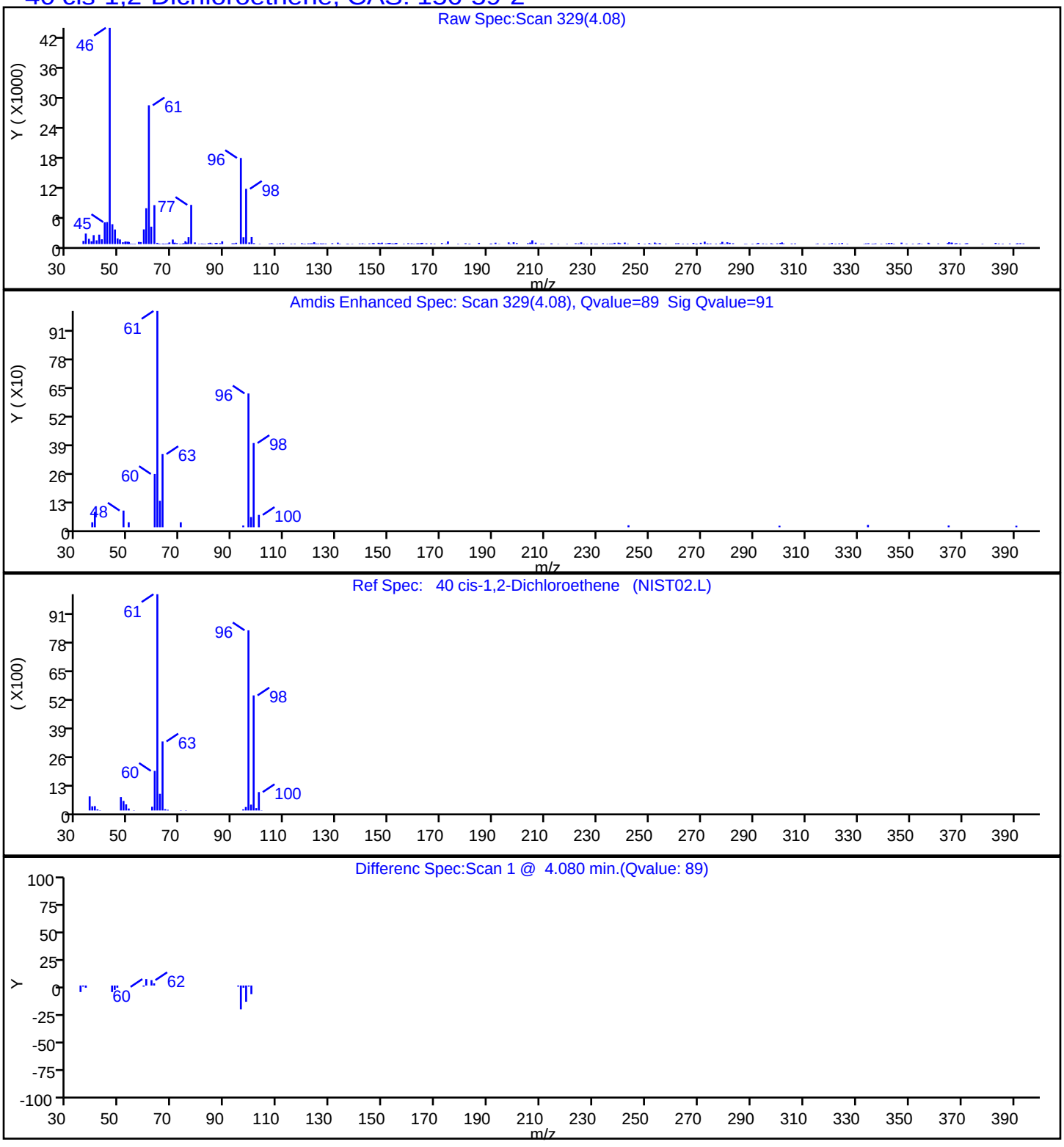
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D				
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5		
Client ID:	MW-5				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

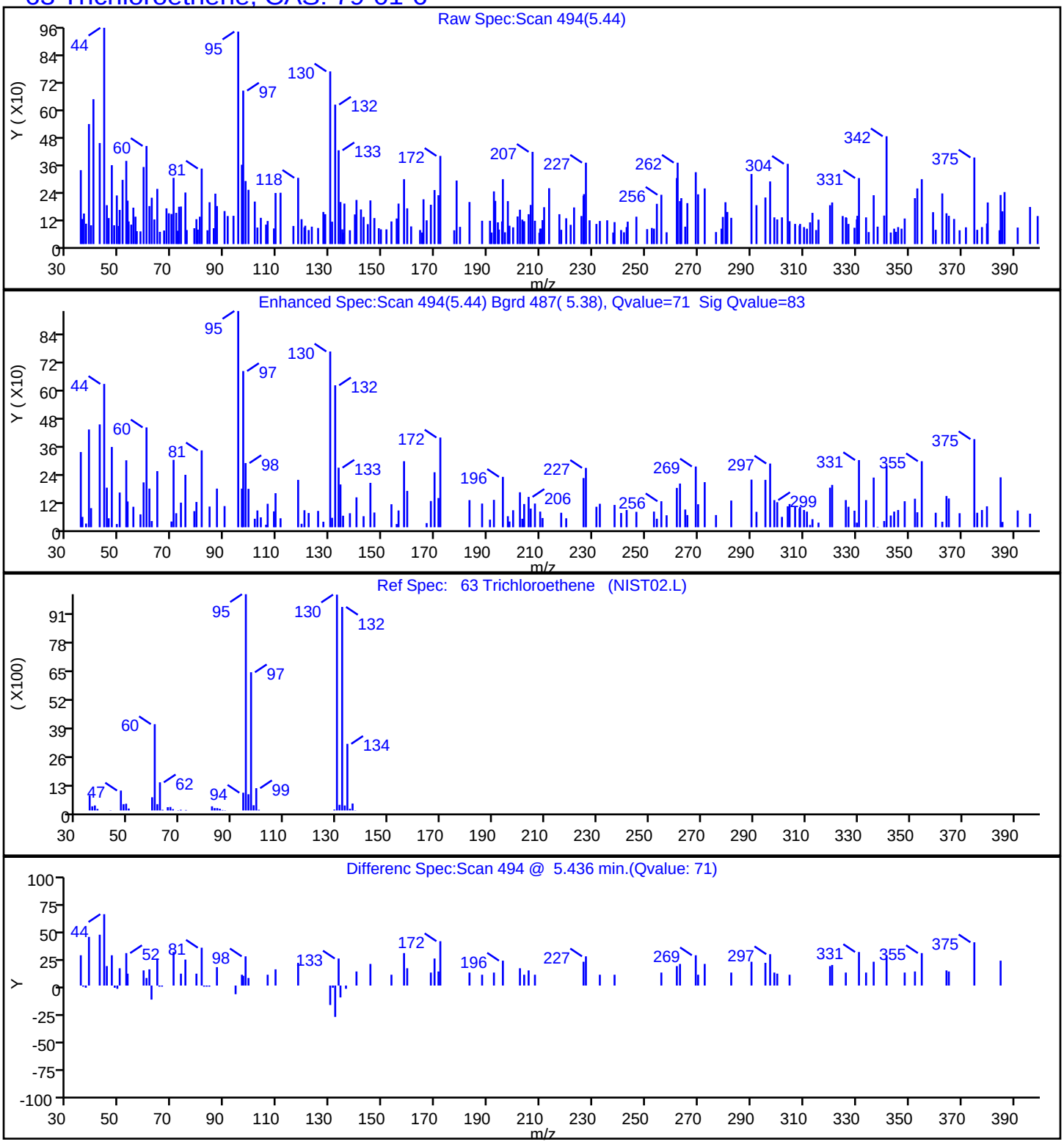
40 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

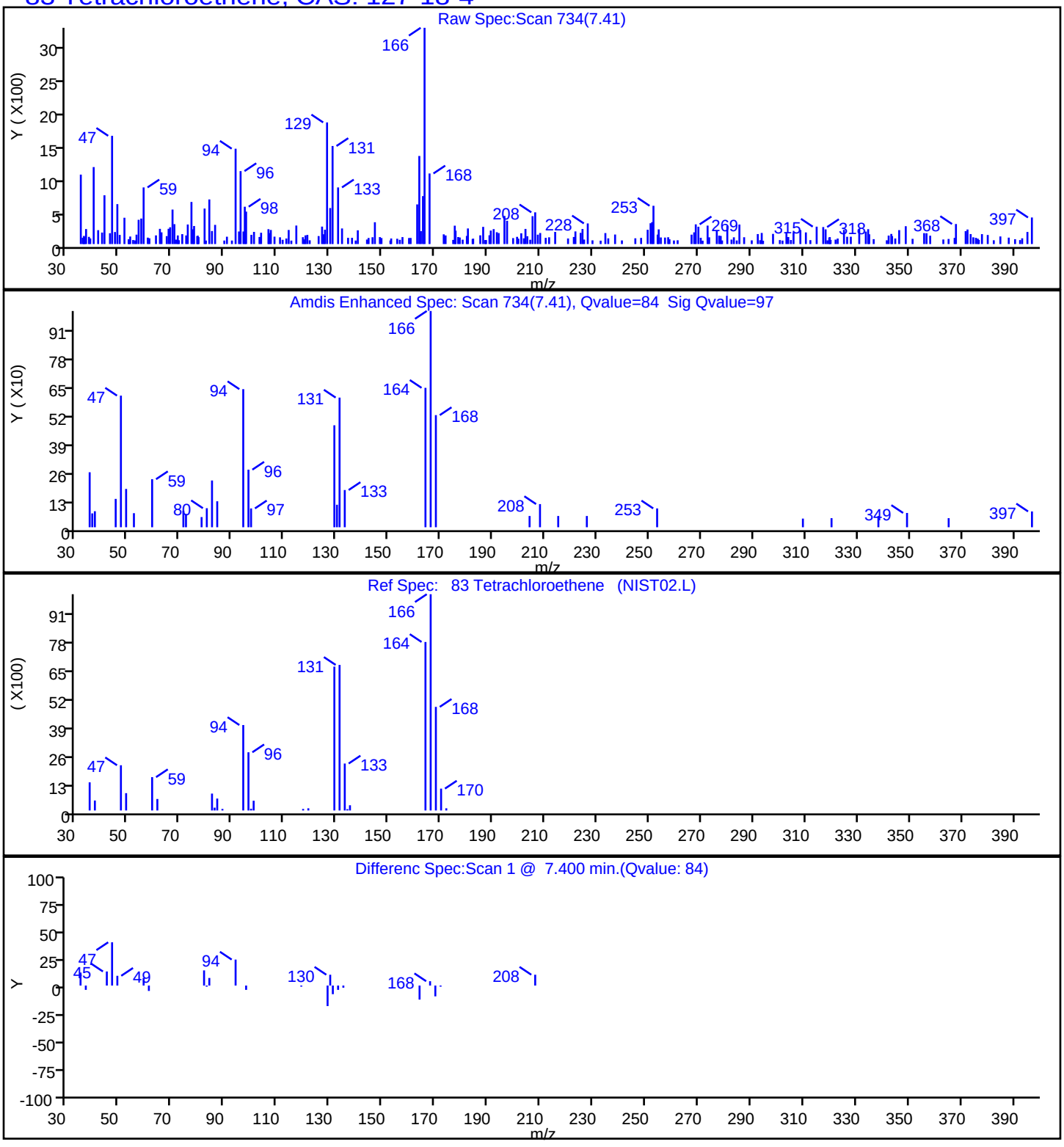
63 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4



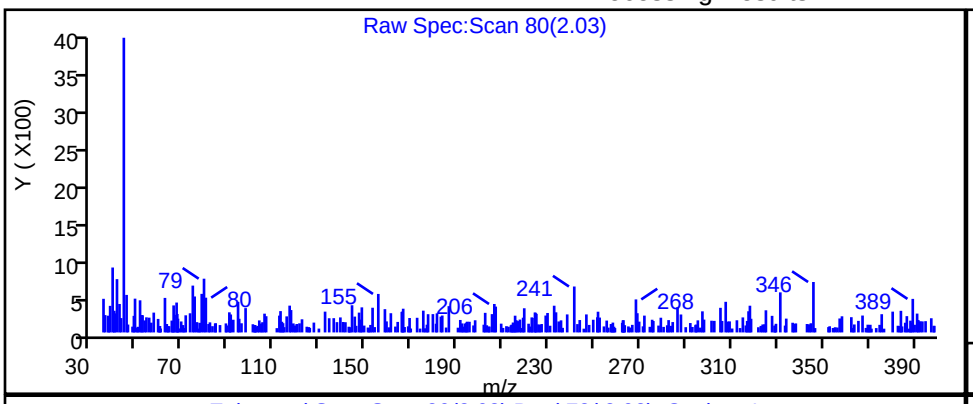
User Disabled Compound Report

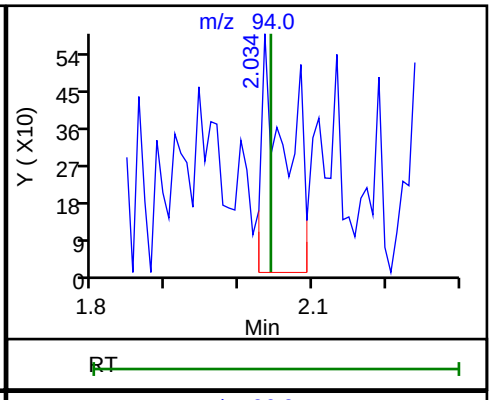
Eurofins TestAmerica, Edison

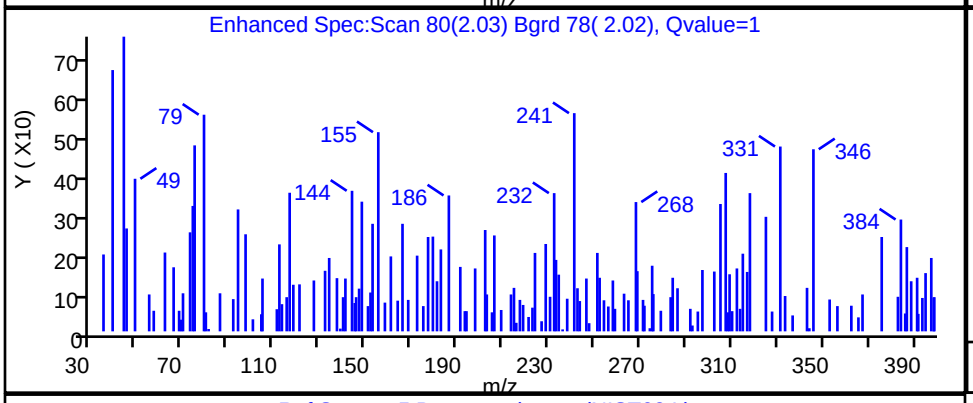
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

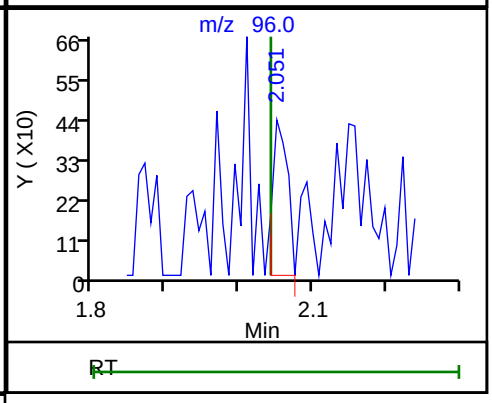
5 Bromomethane, CAS: 74-83-9

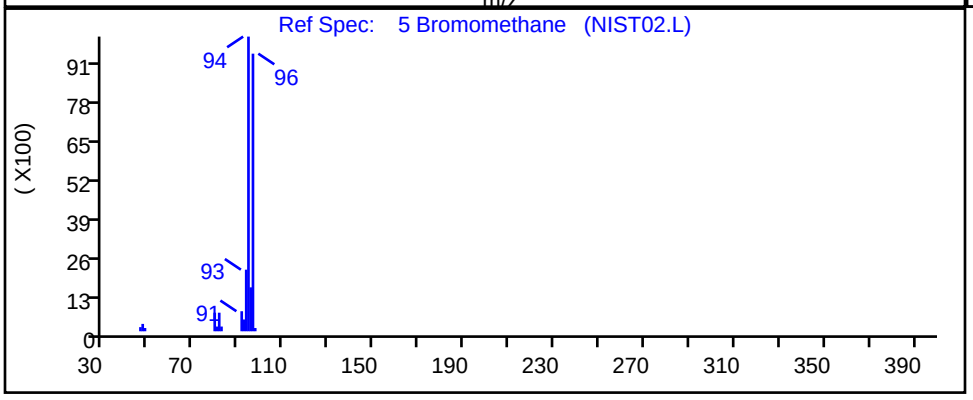
Processing Results











RT	Mass	Response	Amount
2.03	94.00	1417	0.300438
2.05	96.00	621	

Reviewer: parekhv, 21-Jul-2021 16:04:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

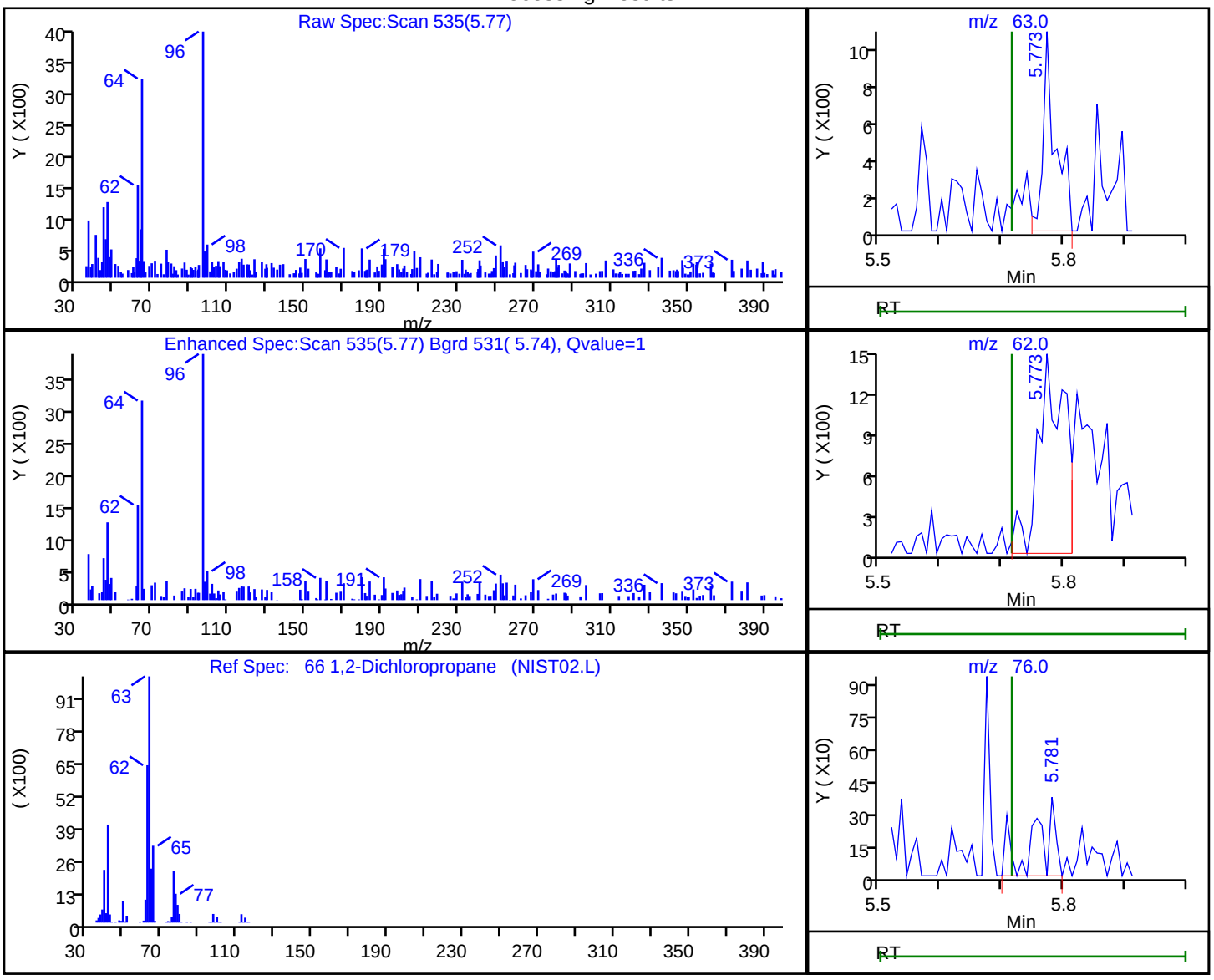
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

66 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
5.77	63.00	1521	0.524230
5.77	62.00	4505	
5.78	76.00	840	
5.80	112.00	547	

Reviewer: parekhv, 21-Jul-2021 16:05:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

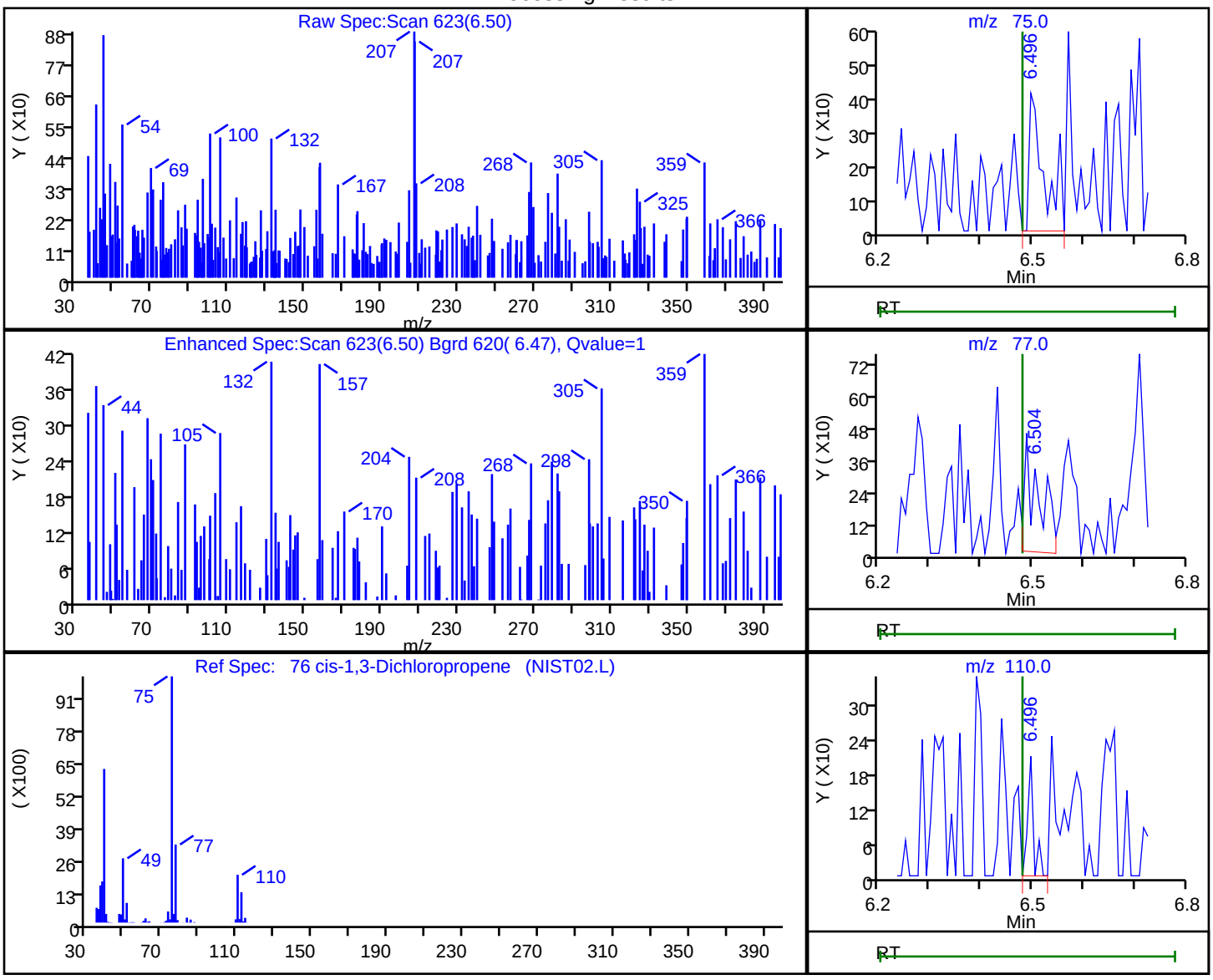
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

76 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results



RT	Mass	Response	Amount
6.50	75.00	826	0.208913
6.50	77.00	881	
6.50	110.00	166	

Reviewer: parekhv, 21-Jul-2021 16:05:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

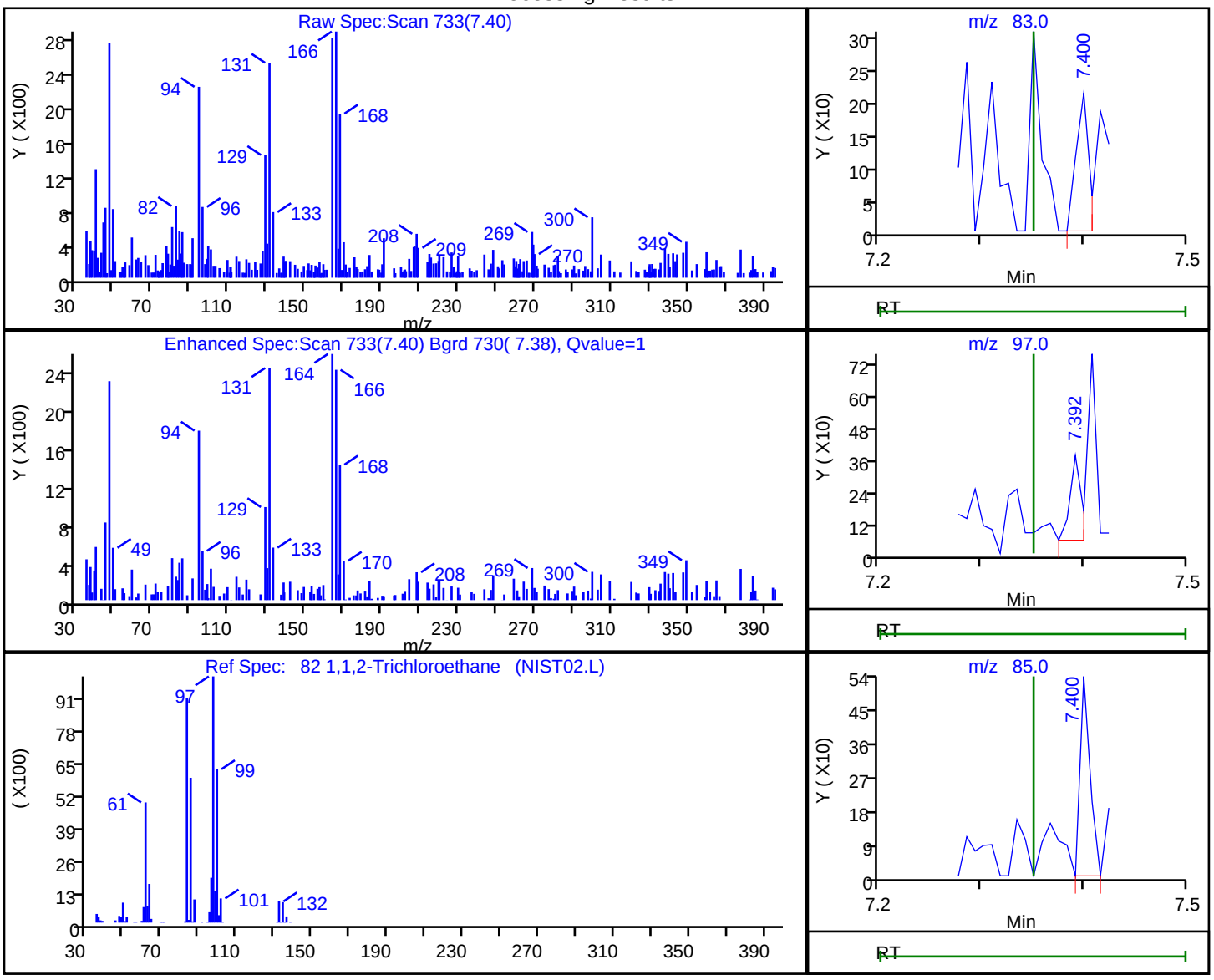
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.40	83.00	185	0.096048
7.39	97.00	250	
7.40	85.00	359	

Reviewer: parekhv, 21-Jul-2021 16:04:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

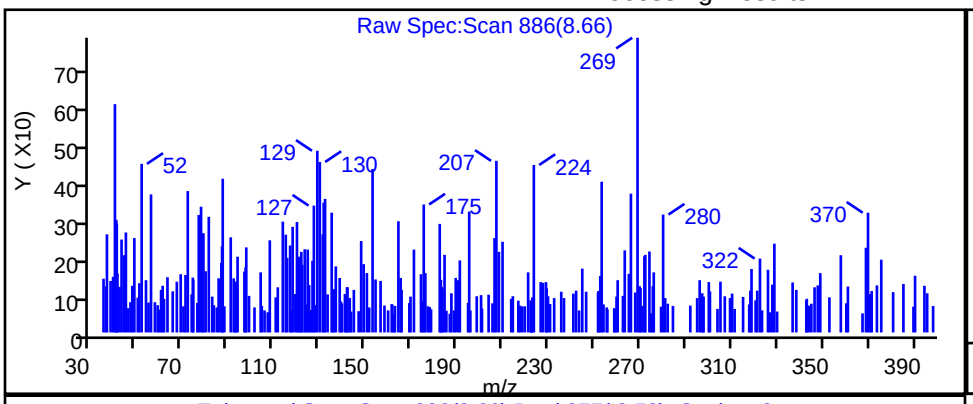
User Disabled Compound Report

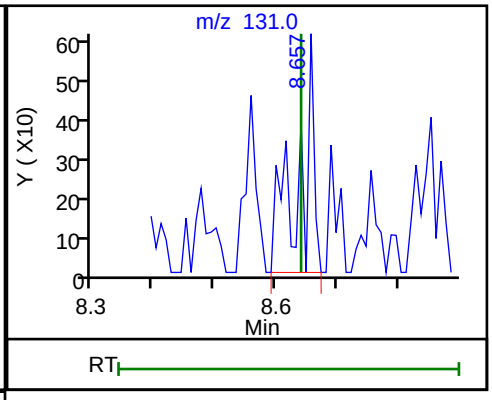
Eurofins TestAmerica, Edison

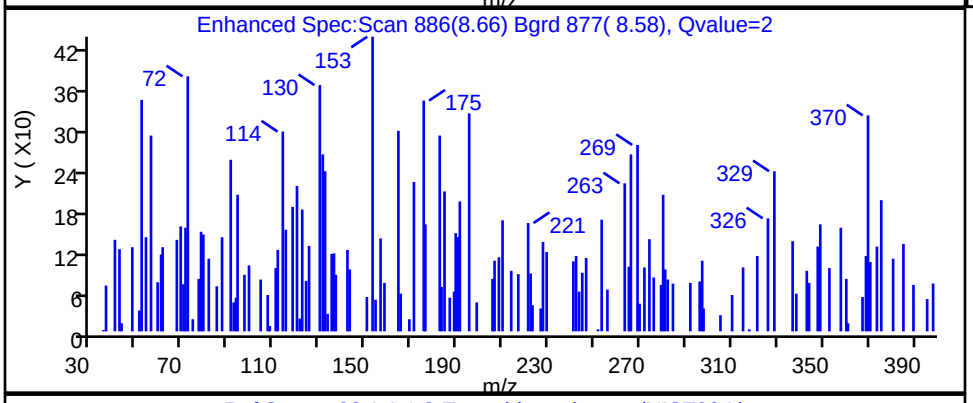
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17257.D		
Injection Date:	21-Jul-2021 15:11:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-5	Lab Sample ID:	460-239070-5
Client ID:	MW-5		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

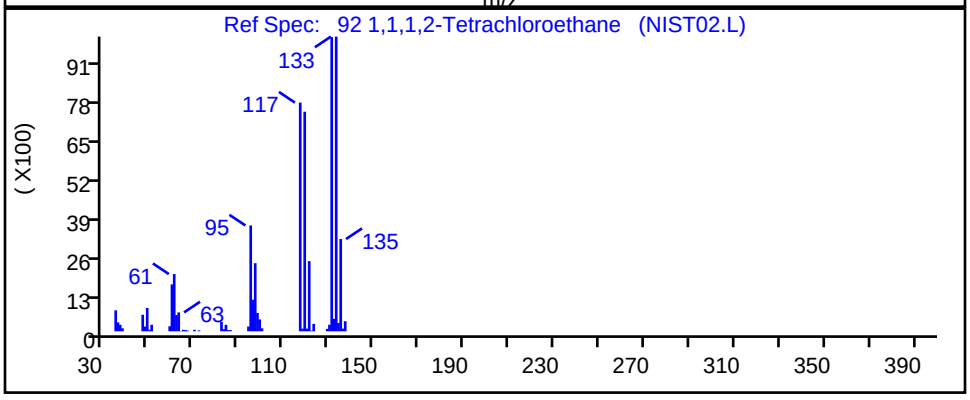
92 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results









RT	Mass	Response	Amount
8.66	131.00	1015	0.273081

Reviewer: parekhv, 21-Jul-2021 16:04:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 460-239070-6

Matrix: Water Lab File ID: F17255.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	10		1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	2.7		1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	4.5		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 460-239070-6

Matrix: Water Lab File ID: F17255.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	99		76-120
1868-53-7	Dibromofluoromethane (Surr)	102		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 460-239070-6

Matrix: Water Lab File ID: F17255.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D
Lims ID: 460-239070-B-6
Client ID: MW-6
Sample Type: Client
Inject. Date: 21-Jul-2021 14:26:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-6
Misc. Info.: 460-0132123-023
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:57:39 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:04:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	429787	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	436095	250.0	
40 cis-1,2-Dichloroethene	96	4.088	4.080	0.008	88	40232	10.3	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	94	142405	51.2	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	241582	55.5	
* 61 Fluorobenzene	96	5.107	5.091	0.016	97	473356	50.0	
63 Trichloroethene	95	5.436	5.436	0.000	86	9205	2.71	
* 67 1,4-Dioxane-d8	96	5.781	5.781	0.000	0	27244	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.734	6.726	0.008	96	480535	52.2	
83 Tetrachloroethene	166	7.408	7.400	0.008	90	16620	4.45	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	93	357930	50.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	83	164395	49.6	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	96	244140	50.0	
S 131 1,2-Dichloroethene, Total	100				0		10.3	

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

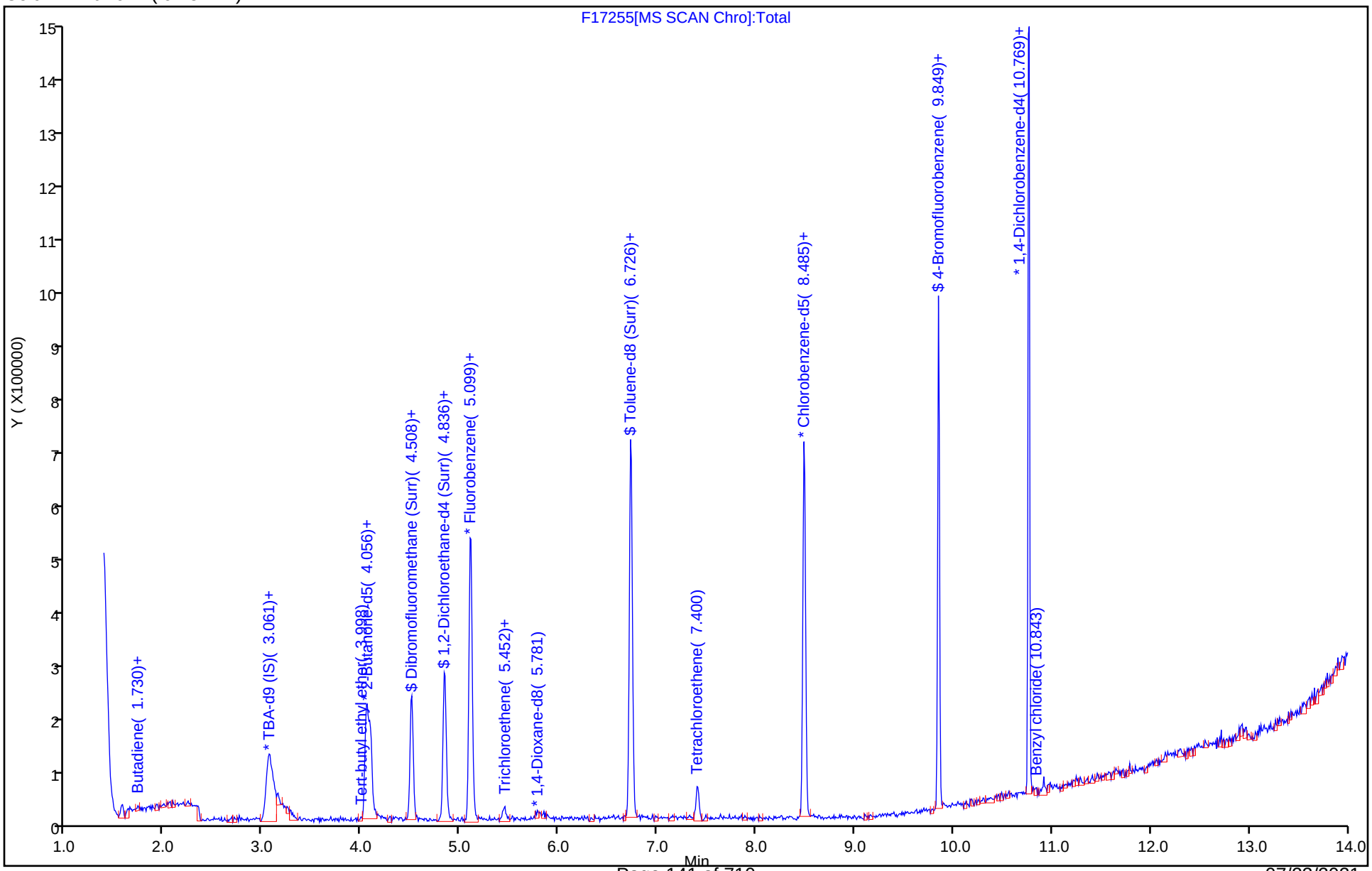
Report Date: 23-Jul-2021 15:59:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D

Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6	Worklist Smp#:	23
Client ID:	MW-6				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

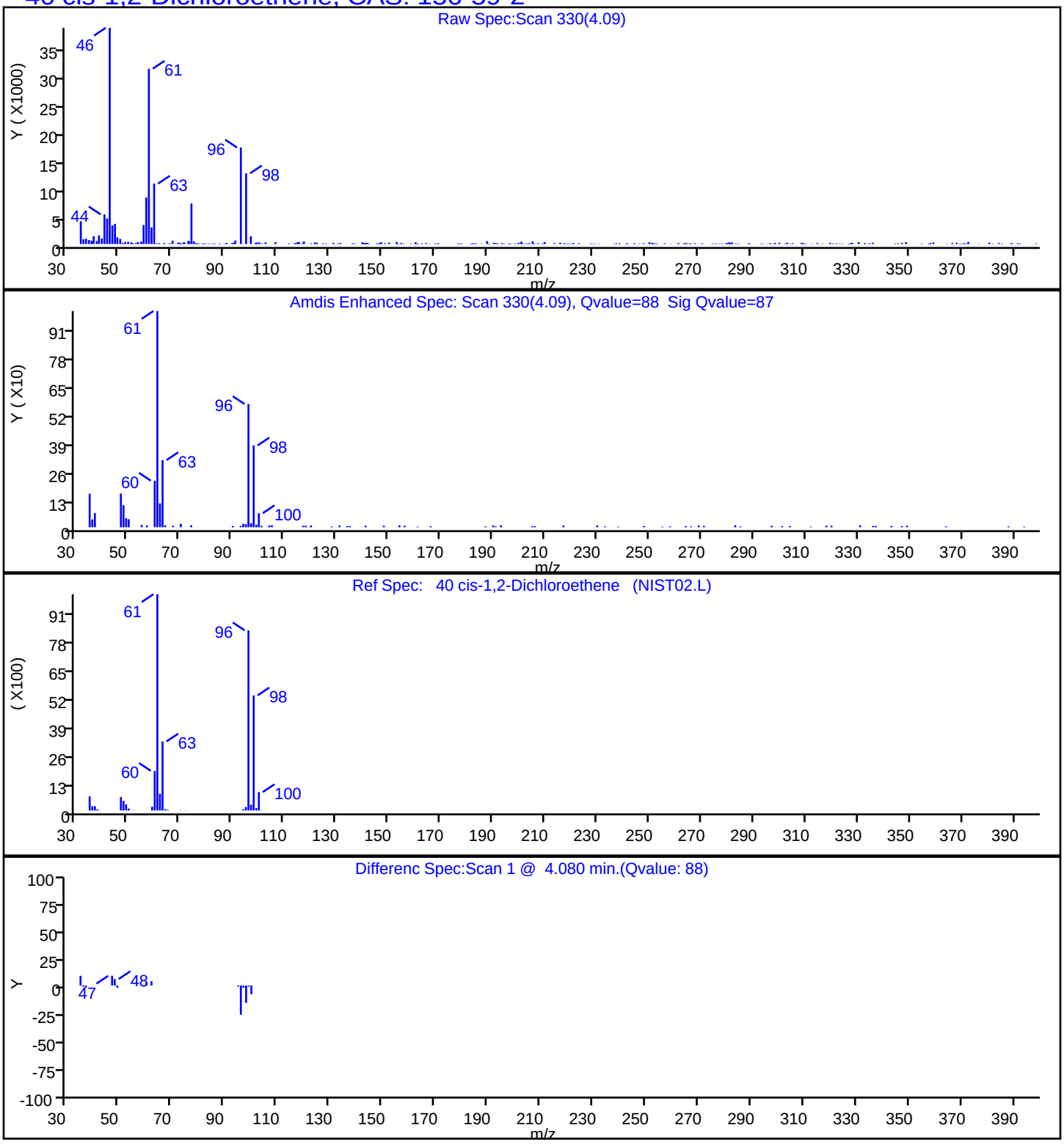
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D				
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6		
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

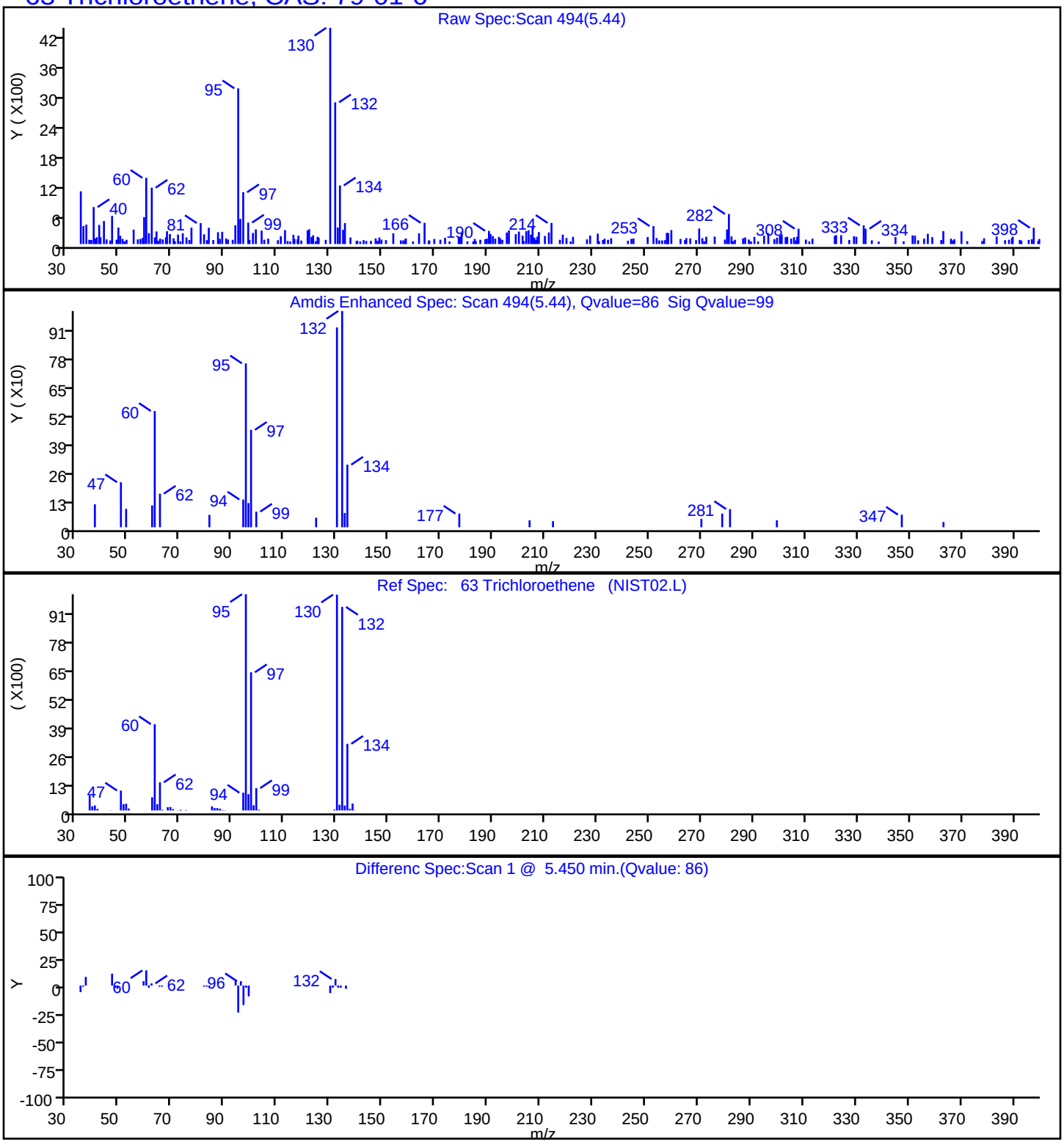
40 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D				
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6		
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

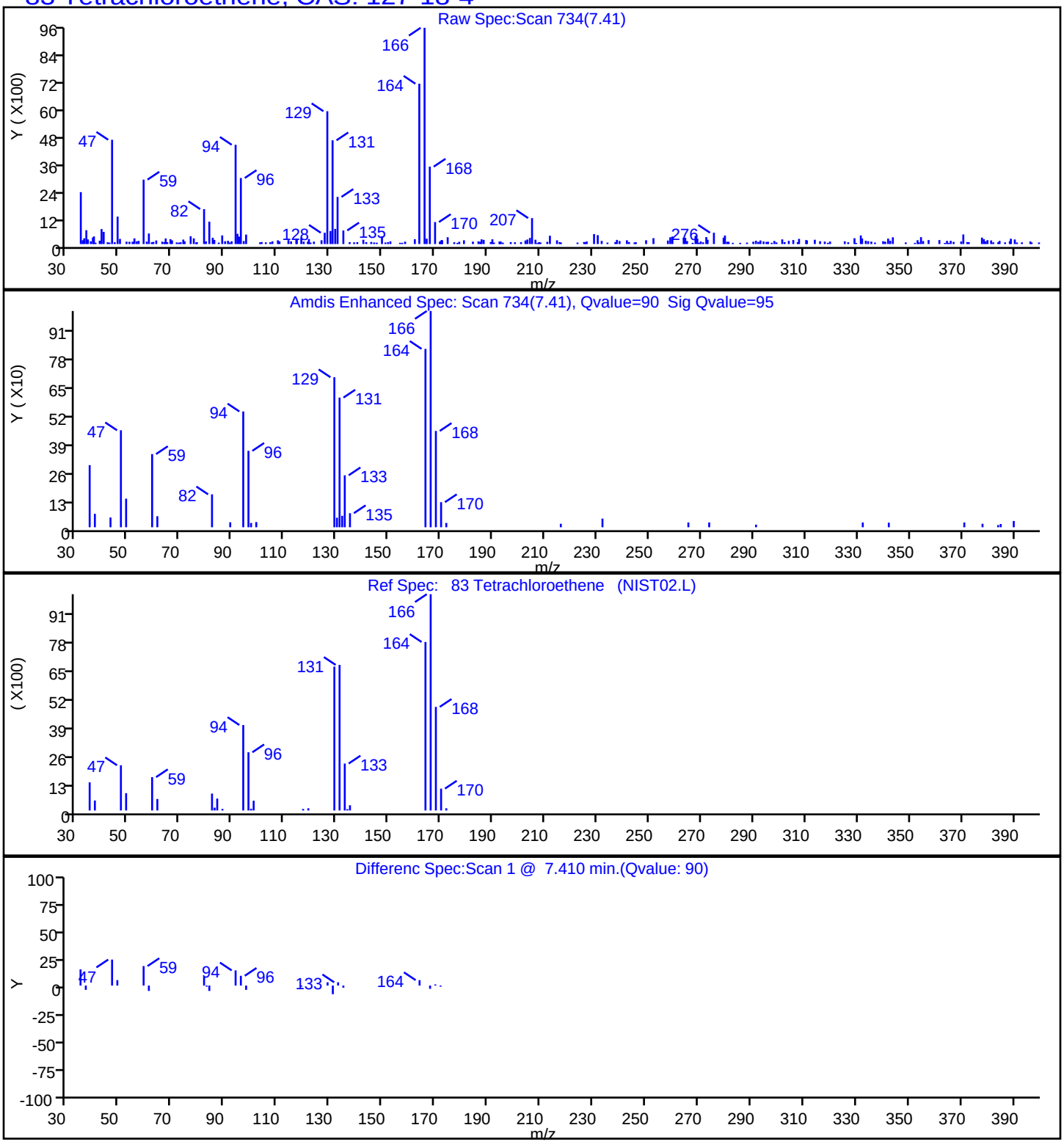
63 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D				
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6		
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4



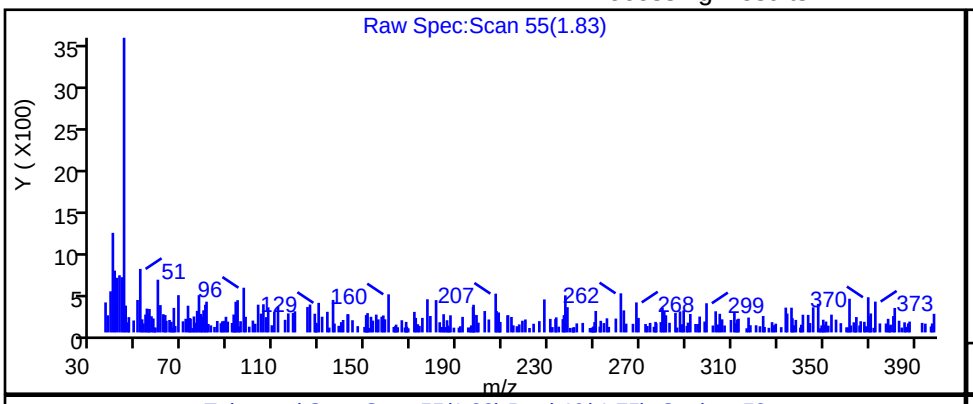
User Disabled Compound Report

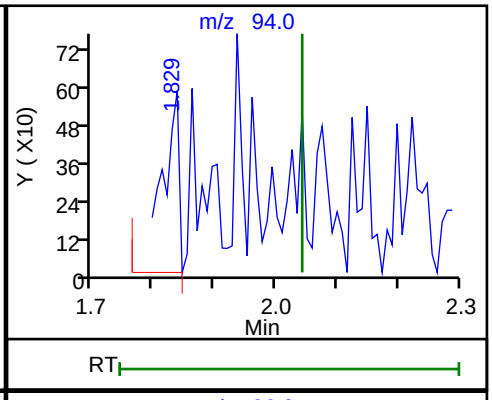
Eurofins TestAmerica, Edison

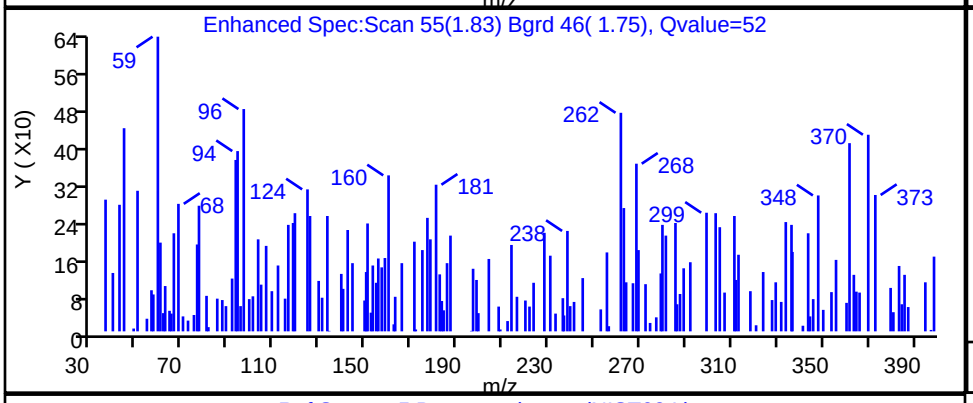
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D		
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6
Client ID:	MW-6		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

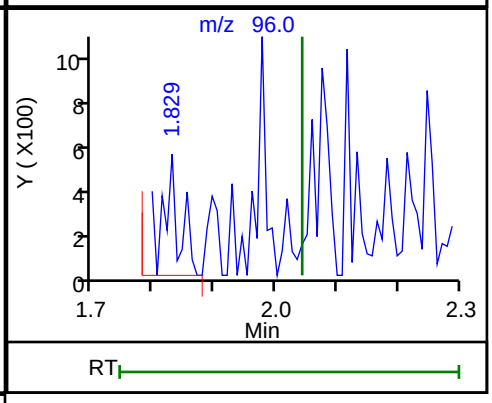
5 Bromomethane, CAS: 74-83-9

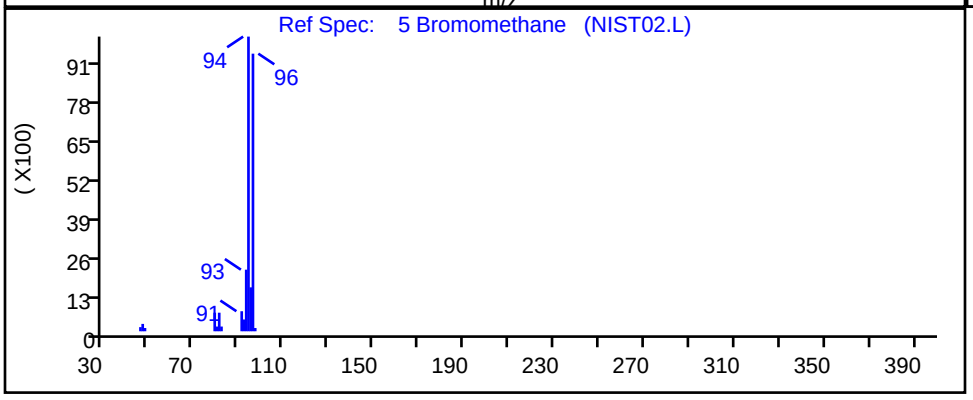
Processing Results











RT	Mass	Response	Amount
1.83	94.00	1421	0.279265
1.83	96.00	1051	

Reviewer: parekhv, 21-Jul-2021 16:03:45

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

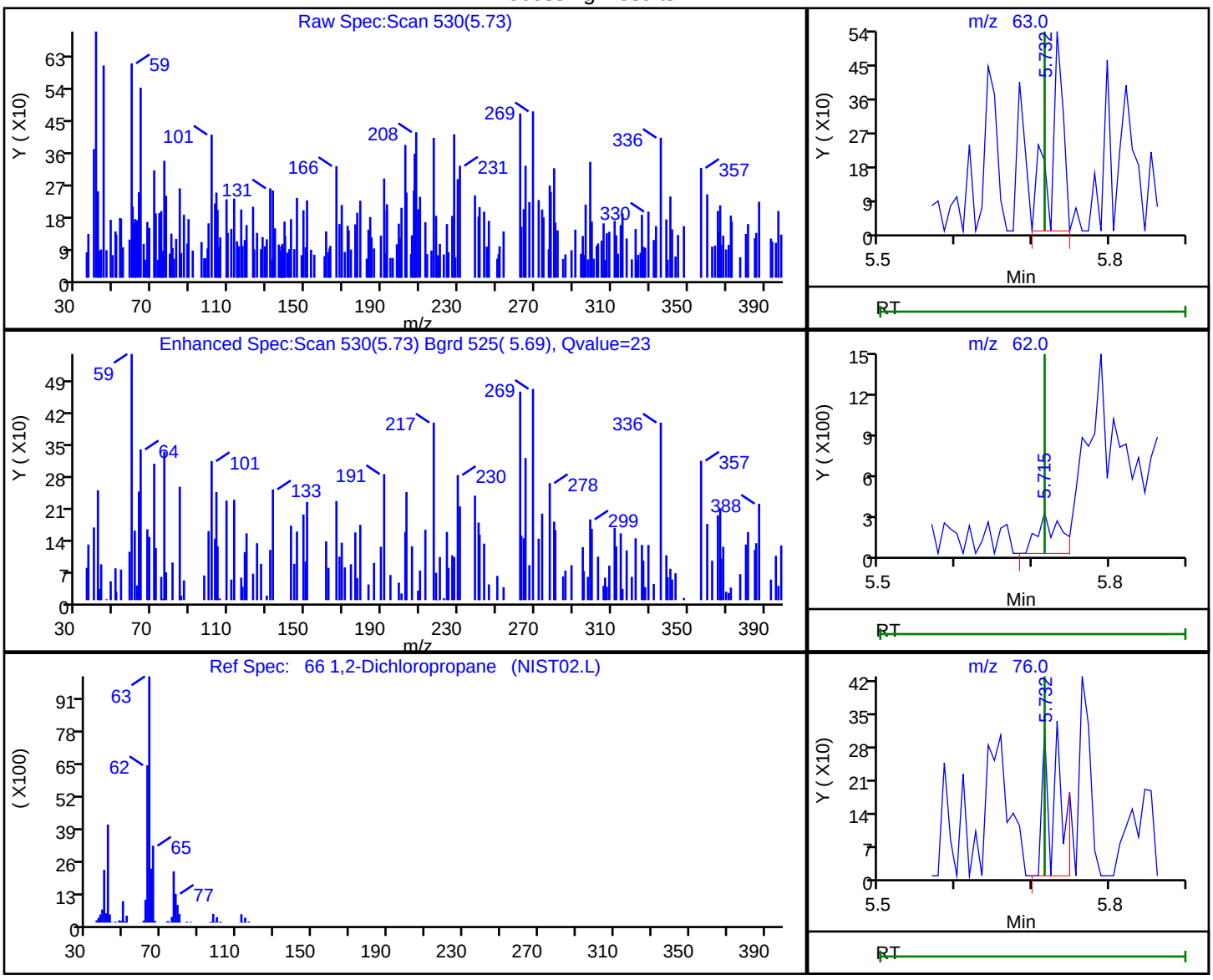
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D		
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6
Client ID:	MW-6		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

66 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
5.73	63.00	629	0.200946
5.72	62.00	599	
5.73	76.00	439	
5.73	112.00	507	

Reviewer: parekhv, 21-Jul-2021 16:03:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

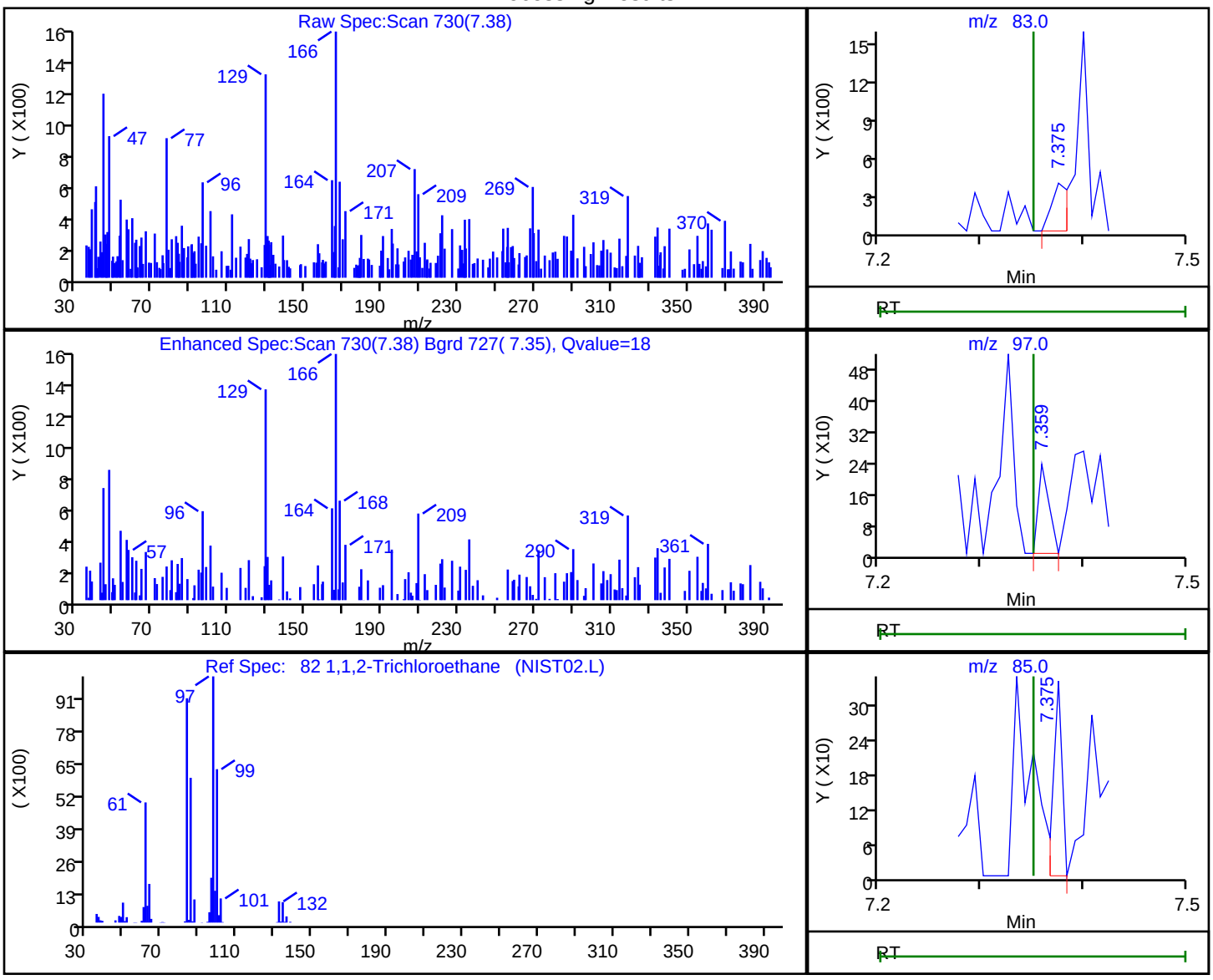
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D				
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6		
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.38	83.00	438	0.212094
7.36	97.00	170	
7.38	85.00	199	

Reviewer: parekhv, 21-Jul-2021 16:03:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

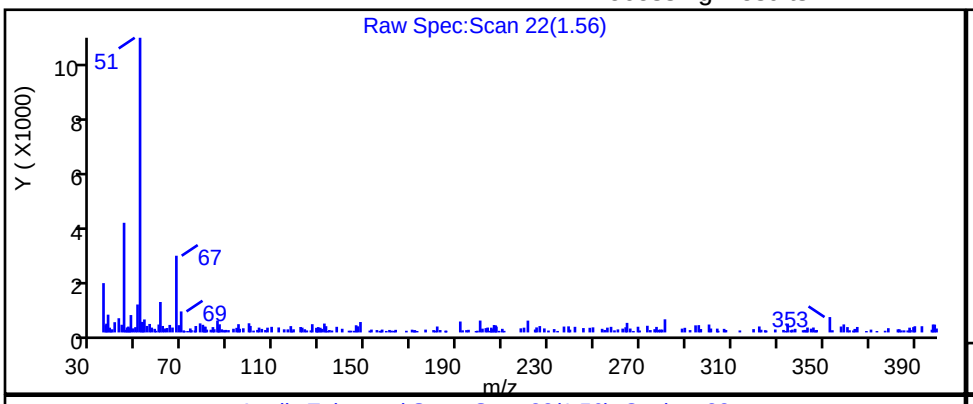
User Disabled Compound Report

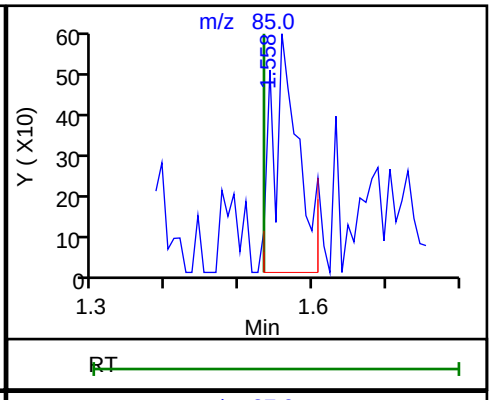
Eurofins TestAmerica, Edison

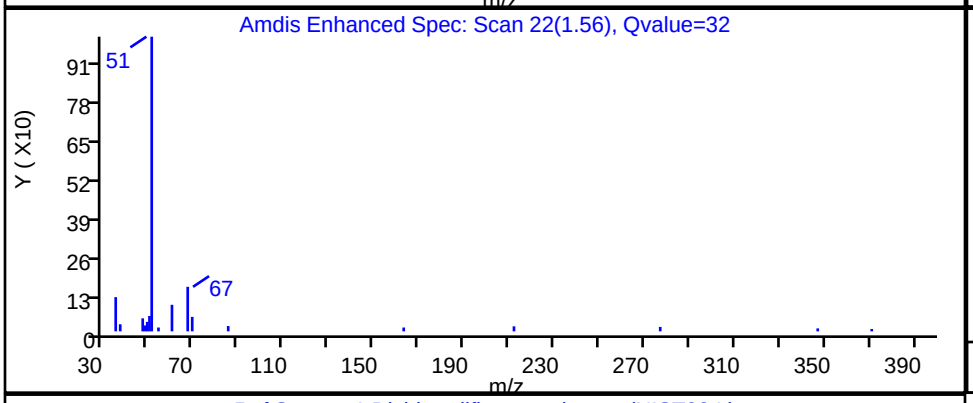
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D		
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6
Client ID:	MW-6		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

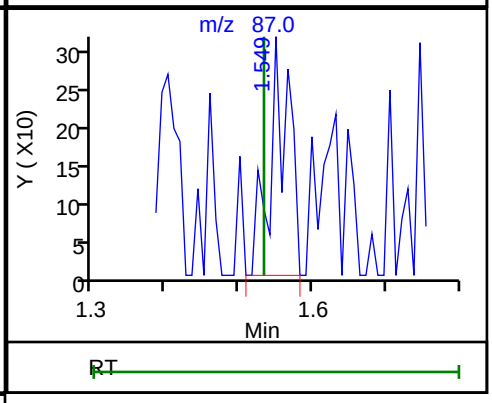
1 Dichlorodifluoromethane, CAS: 75-71-8

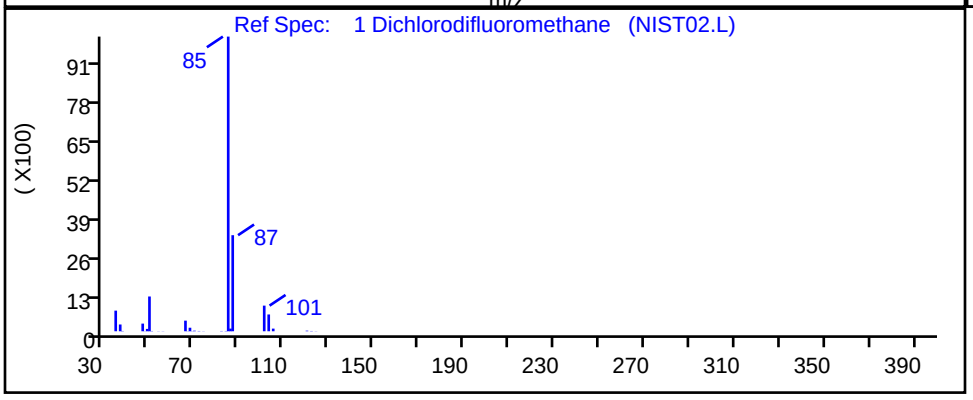
Processing Results











RT	Mass	Response	Amount
1.56	85.00	1455	0.215028
1.55	87.00	580	

Reviewer: parekhv, 21-Jul-2021 16:03:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

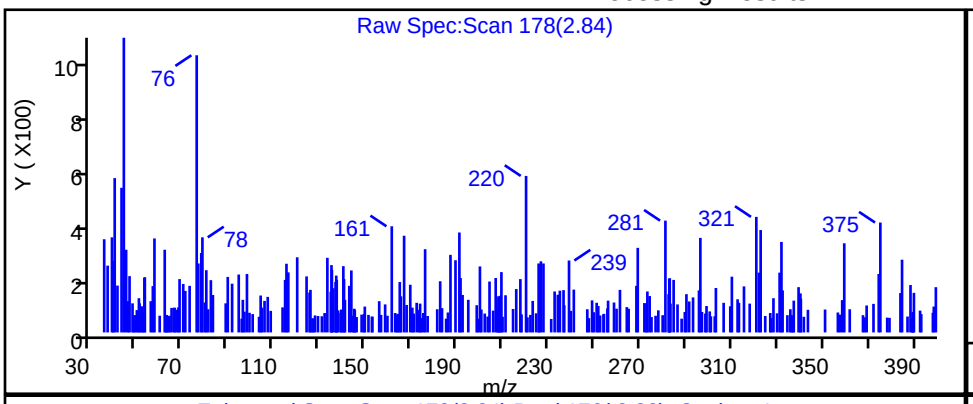
User Disabled Compound Report

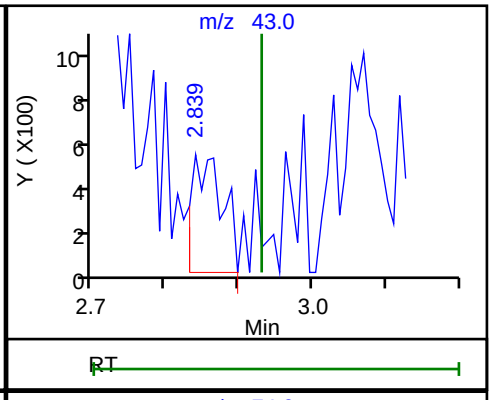
Eurofins TestAmerica, Edison

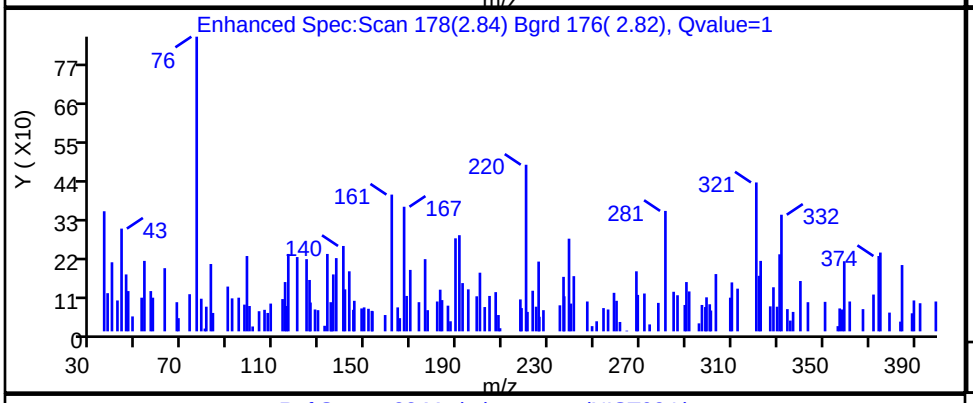
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17255.D		
Injection Date:	21-Jul-2021 14:26:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-6	Lab Sample ID:	460-239070-6
Client ID:	MW-6		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

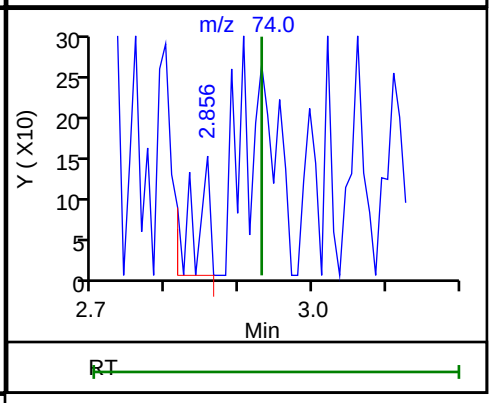
23 Methyl acetate, CAS: 79-20-9

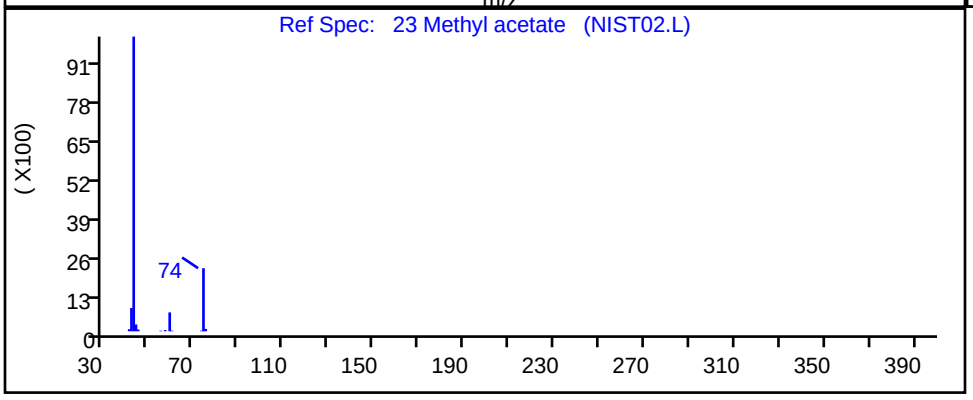
Processing Results











RT	Mass	Response	Amount
2.84	43.00	1562	0.595908
2.86	74.00	214	

Reviewer: parekhv, 21-Jul-2021 16:03:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-XX Lab Sample ID: 460-239070-7

Matrix: Water Lab File ID: F17256.D

Analysis Method: 8260D Date Collected: 07/16/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	0.87	J	1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-XX Lab Sample ID: 460-239070-7

Matrix: Water Lab File ID: F17256.D

Analysis Method: 8260D Date Collected: 07/16/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene	97		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-XX Lab Sample ID: 460-239070-7

Matrix: Water Lab File ID: F17256.D

Analysis Method: 8260D Date Collected: 07/16/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17256.D
Lims ID: 460-239070-B-7
Client ID: MW-XX
Sample Type: Client
Inject. Date: 21-Jul-2021 14:49:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-7
Misc. Info.: 460-0132123-024
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:57:39 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:04:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	434927	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	431141	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	94	138693	50.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	237059	55.4	
* 61 Fluorobenzene	96	5.099	5.091	0.008	96	465805	50.0	
* 67 1,4-Dioxane-d8	96	5.773	5.781	-0.008	0	29865	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	97	479231	53.0	
83 Tetrachloroethene	166	7.416	7.400	0.016	44	3180	0.8672	
* 89 Chlorobenzene-d5	117	8.484	8.485	-0.001	94	351687	50.0	
$ 100 4-Bromofluorobenzene	174	9.848	9.849	-0.001	83	157581	48.4	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	97	236643	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

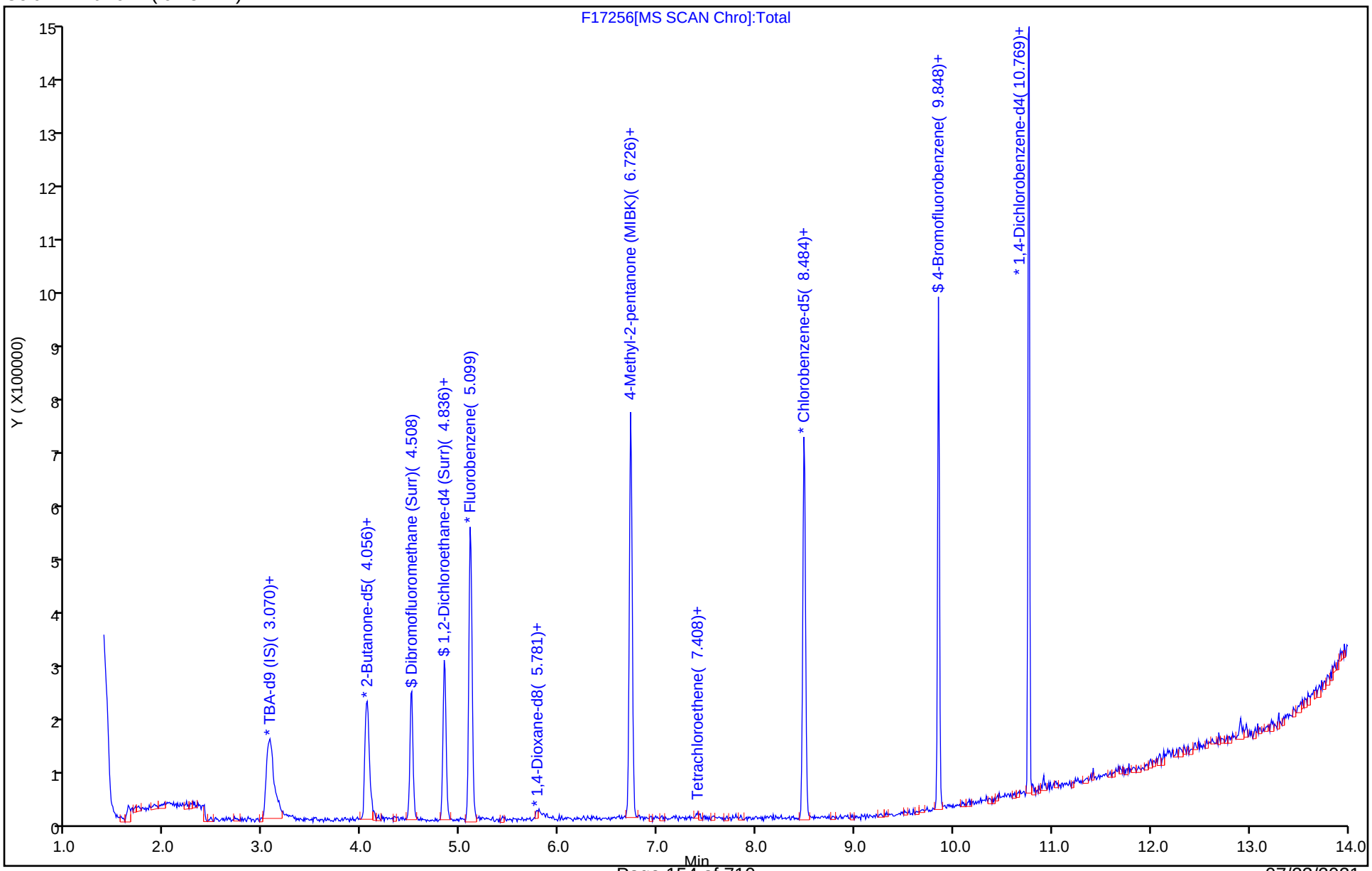
Report Date: 23-Jul-2021 15:59:25 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17256.D

Injection Date:	21-Jul-2021 14:49:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-7	Lab Sample ID:	460-239070-7	Worklist Smp#:	24
Client ID:	MW-XX				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

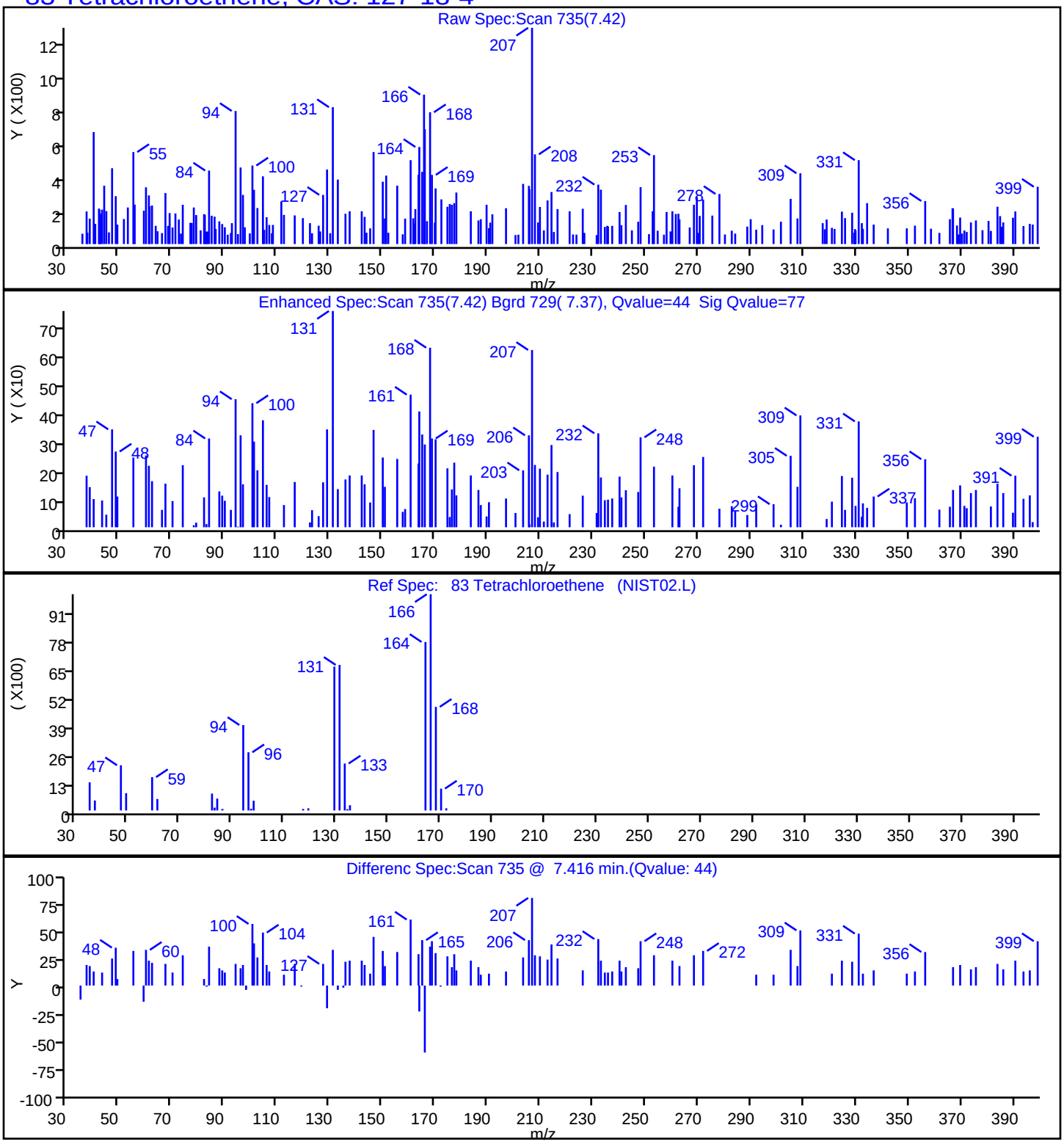
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17256.D		
Injection Date:	21-Jul-2021 14:49:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-7	Lab Sample ID:	460-239070-7
Client ID:	MW-XX		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4



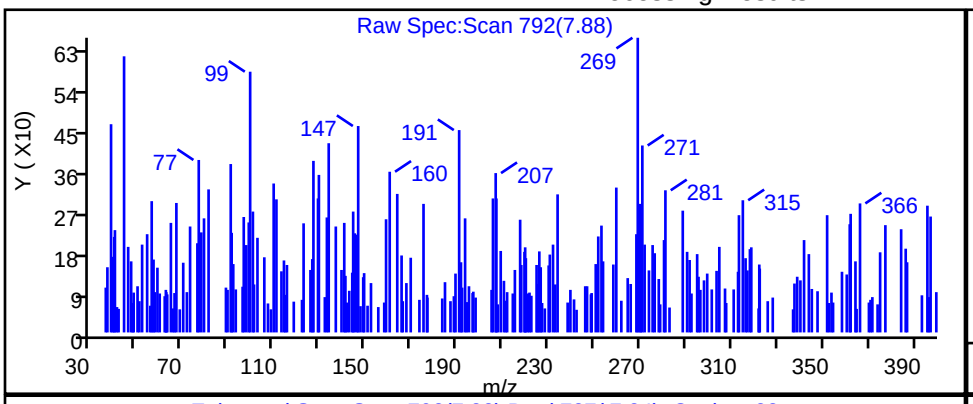
User Disabled Compound Report

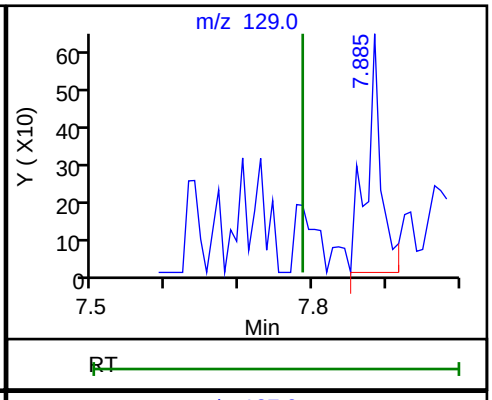
Eurofins TestAmerica, Edison

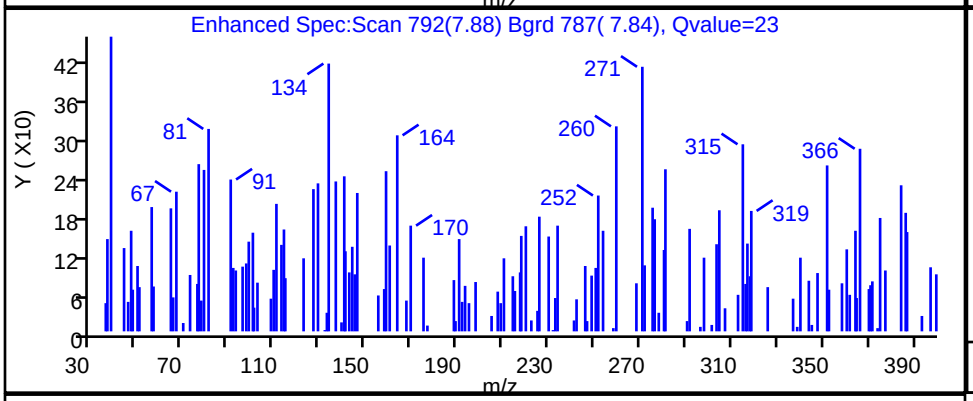
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17256.D				
Injection Date:	21-Jul-2021 14:49:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-7	Lab Sample ID:	460-239070-7		
Client ID:	MW-XX				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

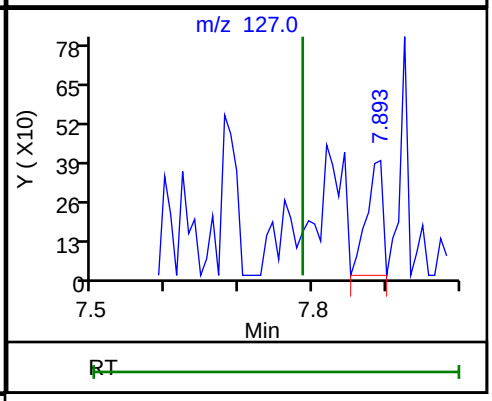
87 Chlorodibromomethane, CAS: 124-48-1

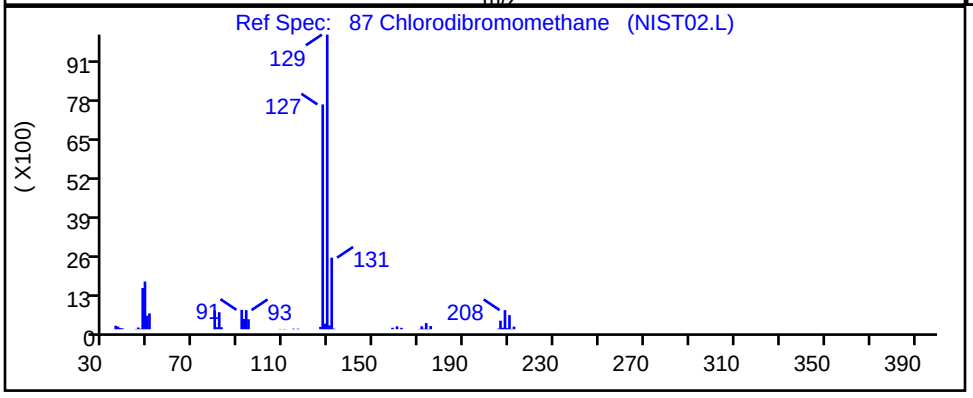
Processing Results











RT	Mass	Response	Amount
7.88	129.00	891	0.304015
7.89	127.00	594	

Reviewer: parekhv, 21-Jul-2021 16:04:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

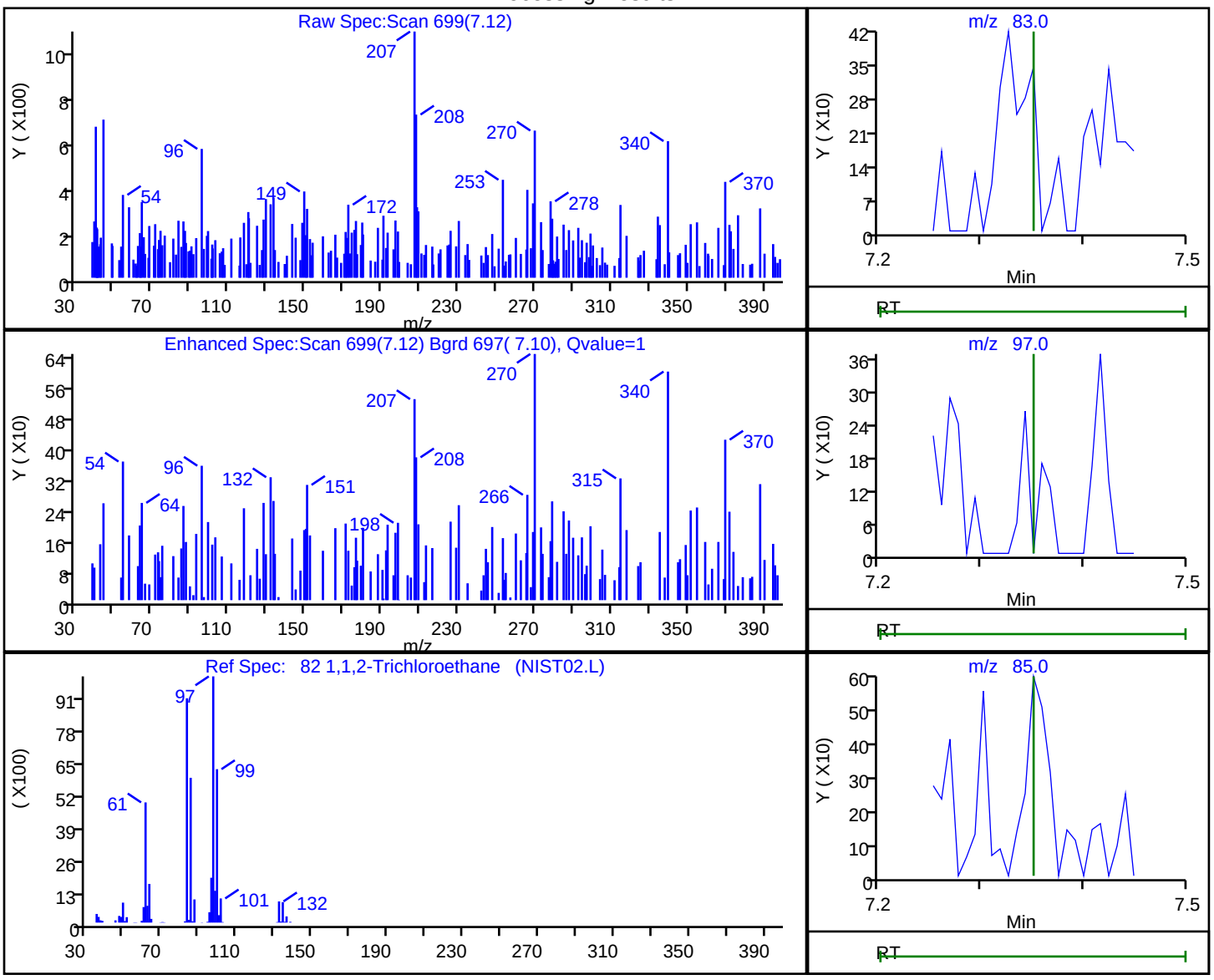
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17256.D		
Injection Date:	21-Jul-2021 14:49:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-7	Lab Sample ID:	460-239070-7
Client ID:	MW-XX		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.12	83.00	339	0.167069
7.11	97.00	187	
7.12	85.00	182	

Reviewer: parekhv, 21-Jul-2021 16:04:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

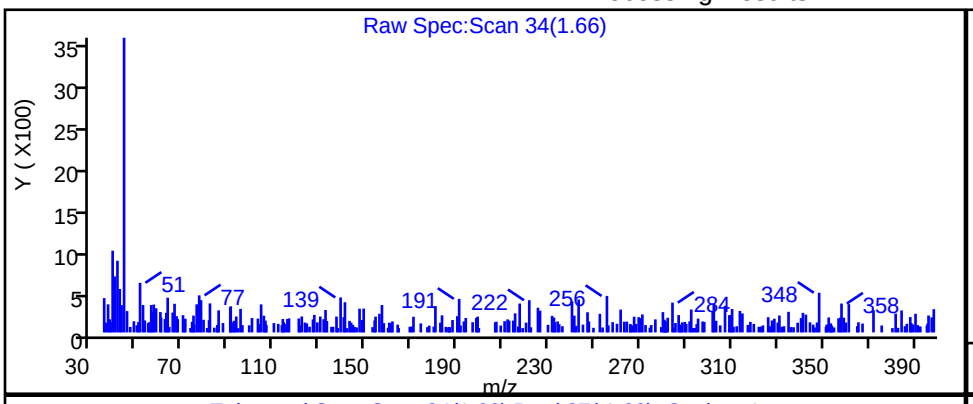
User Disabled Compound Report

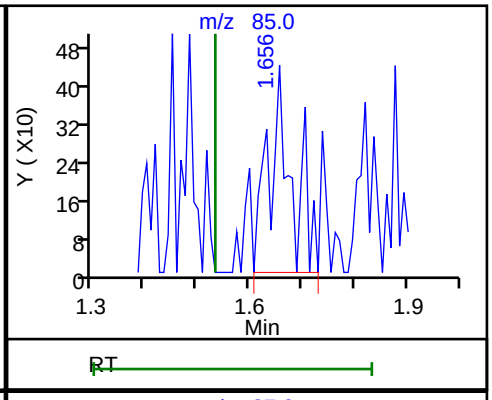
Eurofins TestAmerica, Edison

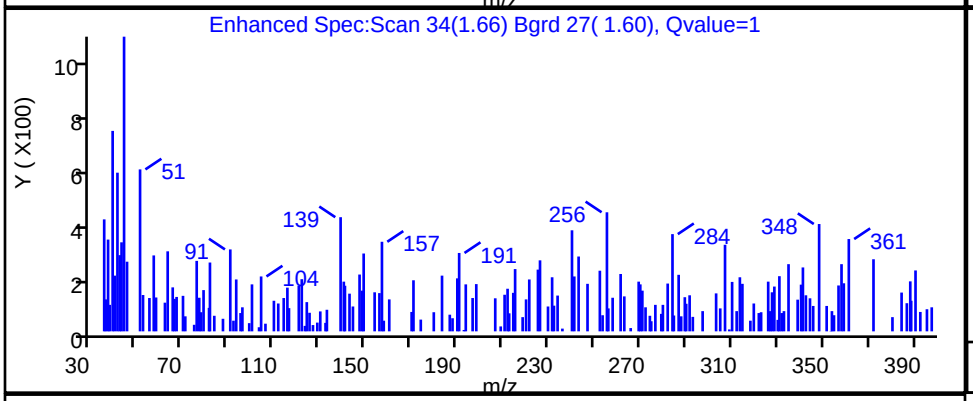
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17256.D				
Injection Date:	21-Jul-2021 14:49:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-7	Lab Sample ID:	460-239070-7		
Client ID:	MW-XX				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

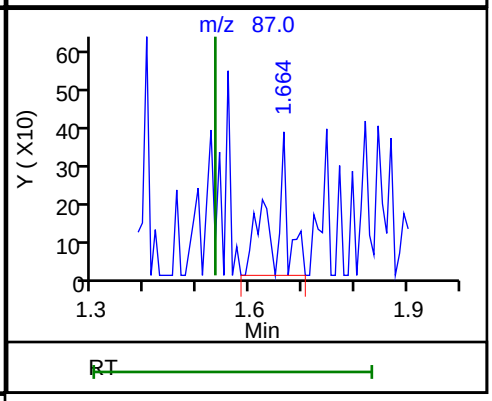
1 Dichlorodifluoromethane, CAS: 75-71-8

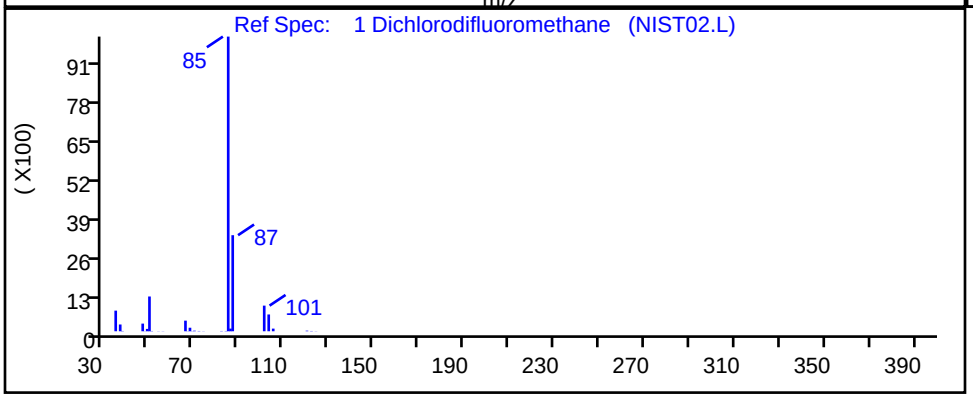
Processing Results











RT	Mass	Response	Amount
1.66	85.00	1375	0.206499
1.66	87.00	795	

Reviewer: parekhv, 21-Jul-2021 16:04:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: FB071621 Lab Sample ID: 460-239070-8

Matrix: Water Lab File ID: F17254.D

Analysis Method: 8260D Date Collected: 07/16/2021 13:40

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.8		1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: FB071621 Lab Sample ID: 460-239070-8

Matrix: Water Lab File ID: F17254.D

Analysis Method: 8260D Date Collected: 07/16/2021 13:40

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene	98		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: FB071621 Lab Sample ID: 460-239070-8

Matrix: Water Lab File ID: F17254.D

Analysis Method: 8260D Date Collected: 07/16/2021 13:40

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17254.D
Lims ID: 460-239070-B-8
Client ID: FB071621
Sample Type: Client
Inject. Date: 21-Jul-2021 14:04:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-8
Misc. Info.: 460-0132123-022
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 21-Jul-2021 16:02:57 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: parekhv Date: 21-Jul-2021 16:02:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
27 Methylene Chloride	84	3.045	3.037	0.008	33	7869	1.81	M
* 26 TBA-d9 (IS)	65	3.053	3.045	0.008	0	463953	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	486215	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	94	152702	49.6	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	270822	56.3	
* 61 Fluorobenzene	96	5.099	5.091	0.008	96	523903	50.0	
* 67 1,4-Dioxane-d8	96	5.789	5.781	0.008	0	31833	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	96	548458	53.4	
* 89 Chlorobenzene-d5	117	8.485	8.485	-0.001	95	399506	50.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	83	180347	48.8	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	96	262978	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

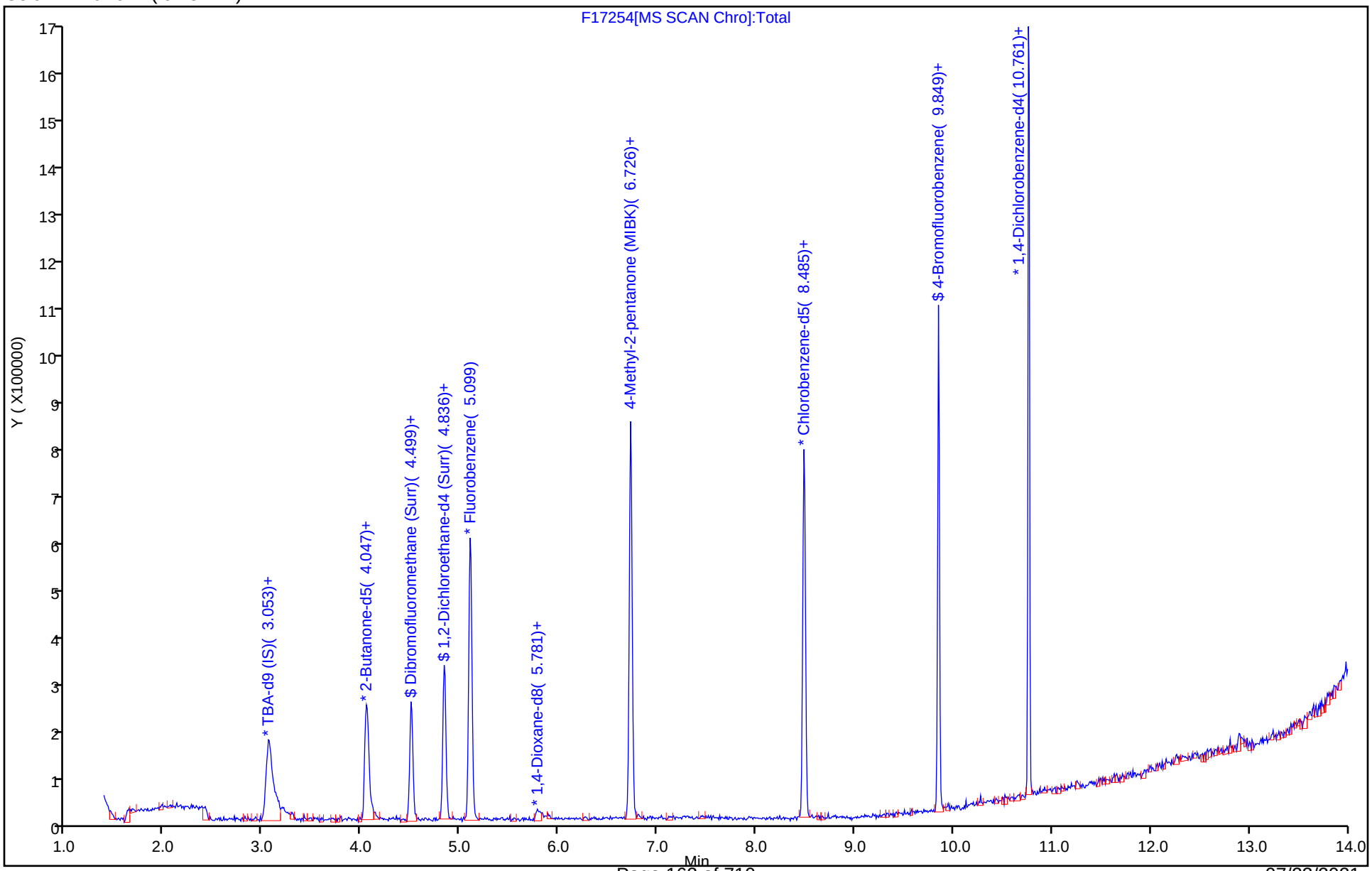
Report Date: 21-Jul-2021 16:02:57 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17254.D

Injection Date:	21-Jul-2021 14:04:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-8	Lab Sample ID:	460-239070-8	Worklist Smp#:	22
Client ID:	FB071621				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

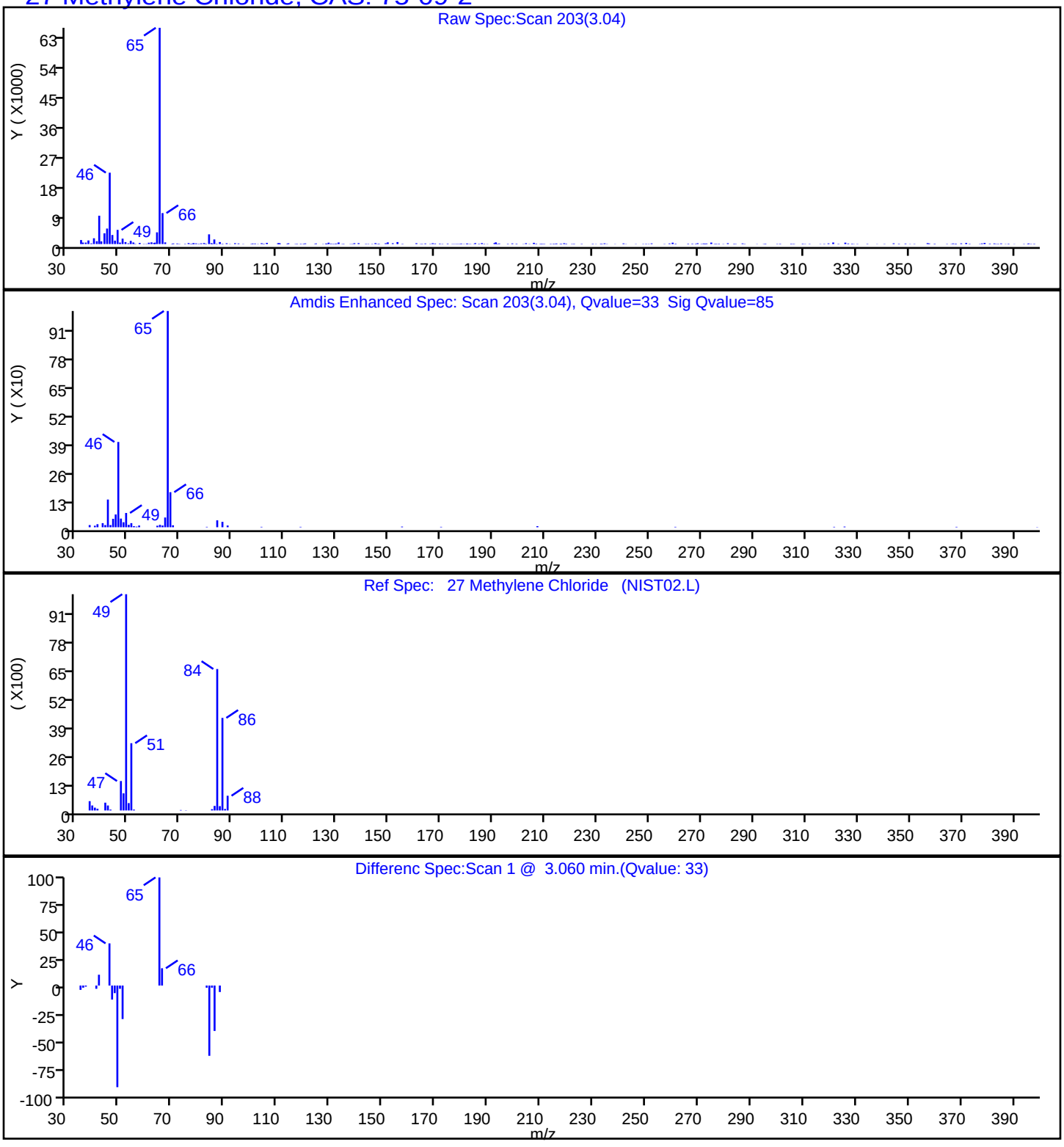
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17254.D				
Injection Date:	21-Jul-2021 14:04:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-8	Lab Sample ID:	460-239070-8		
Client ID:	FB071621				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Edison

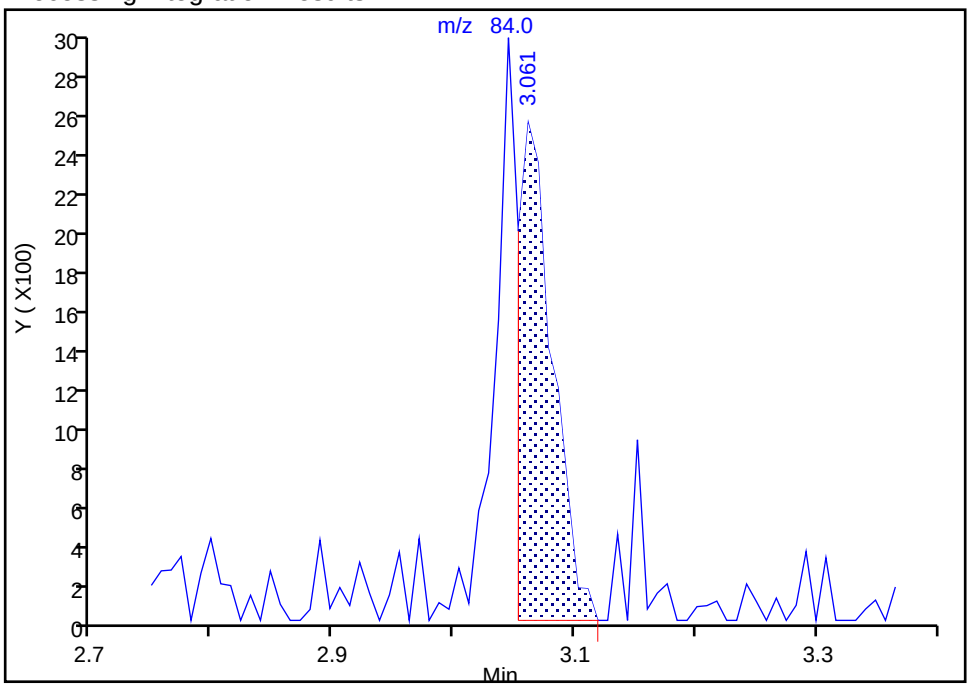
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17254.D		
Injection Date:	21-Jul-2021 14:04:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-8	Lab Sample ID:	460-239070-8
Client ID:	FB071621		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

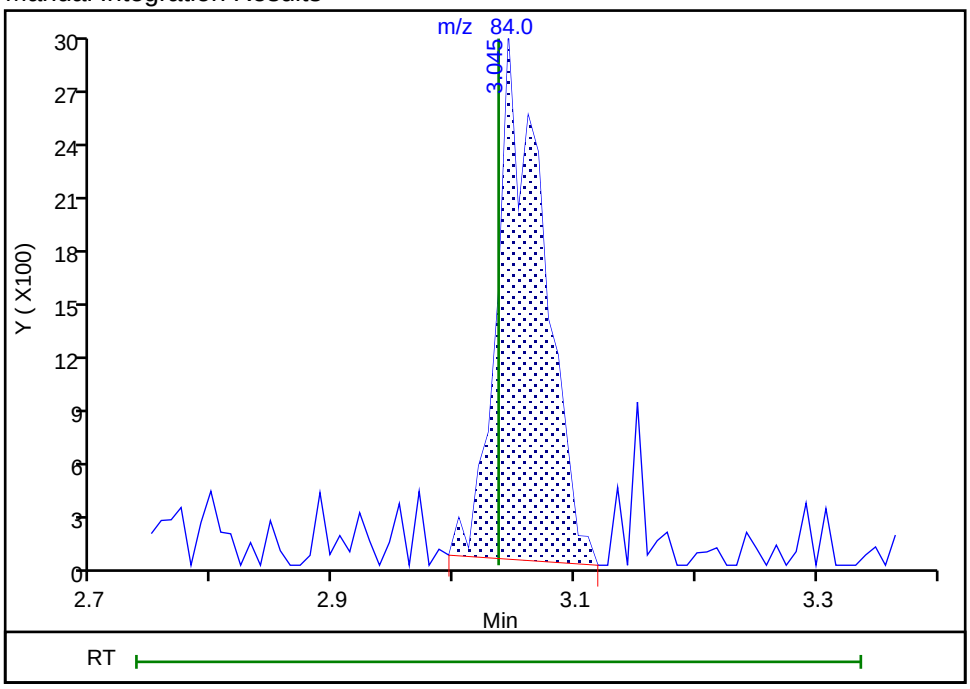
Processing Integration Results

RT: 3.06
Area: 5063
Amount: 1.162720
Amount Units: ug/l



Manual Integration Results

RT: 3.04
Area: 7869
Amount: 1.807119
Amount Units: ug/l



Reviewer: parekhv, 21-Jul-2021 16:02:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

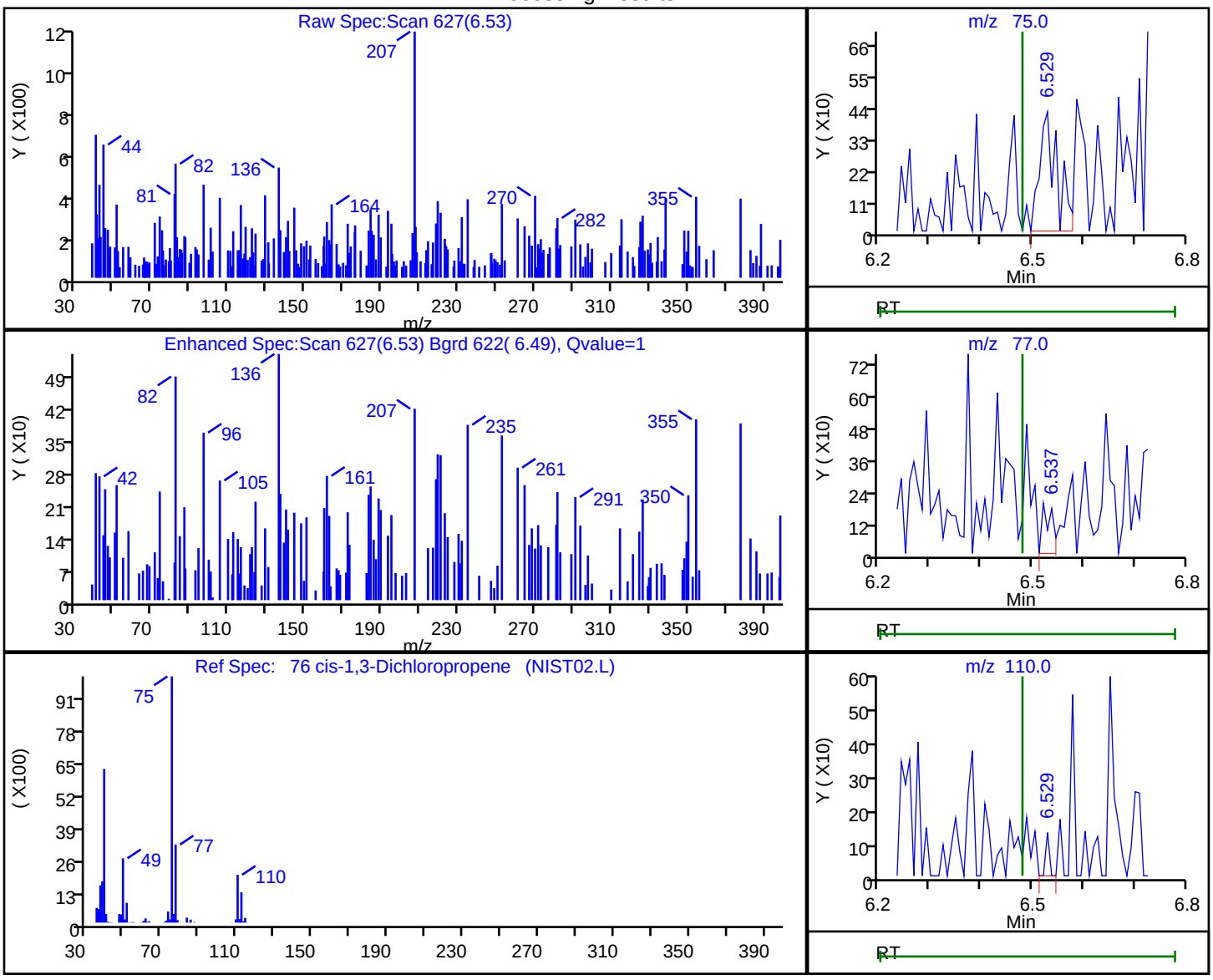
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17254.D		
Injection Date:	21-Jul-2021 14:04:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-8	Lab Sample ID:	460-239070-8
Client ID:	FB071621		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

76 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results



RT	Mass	Response	Amount
6.53	75.00	1007	0.212827
6.54	77.00	249	
6.53	110.00	64	

Reviewer: parekhv, 21-Jul-2021 16:02:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

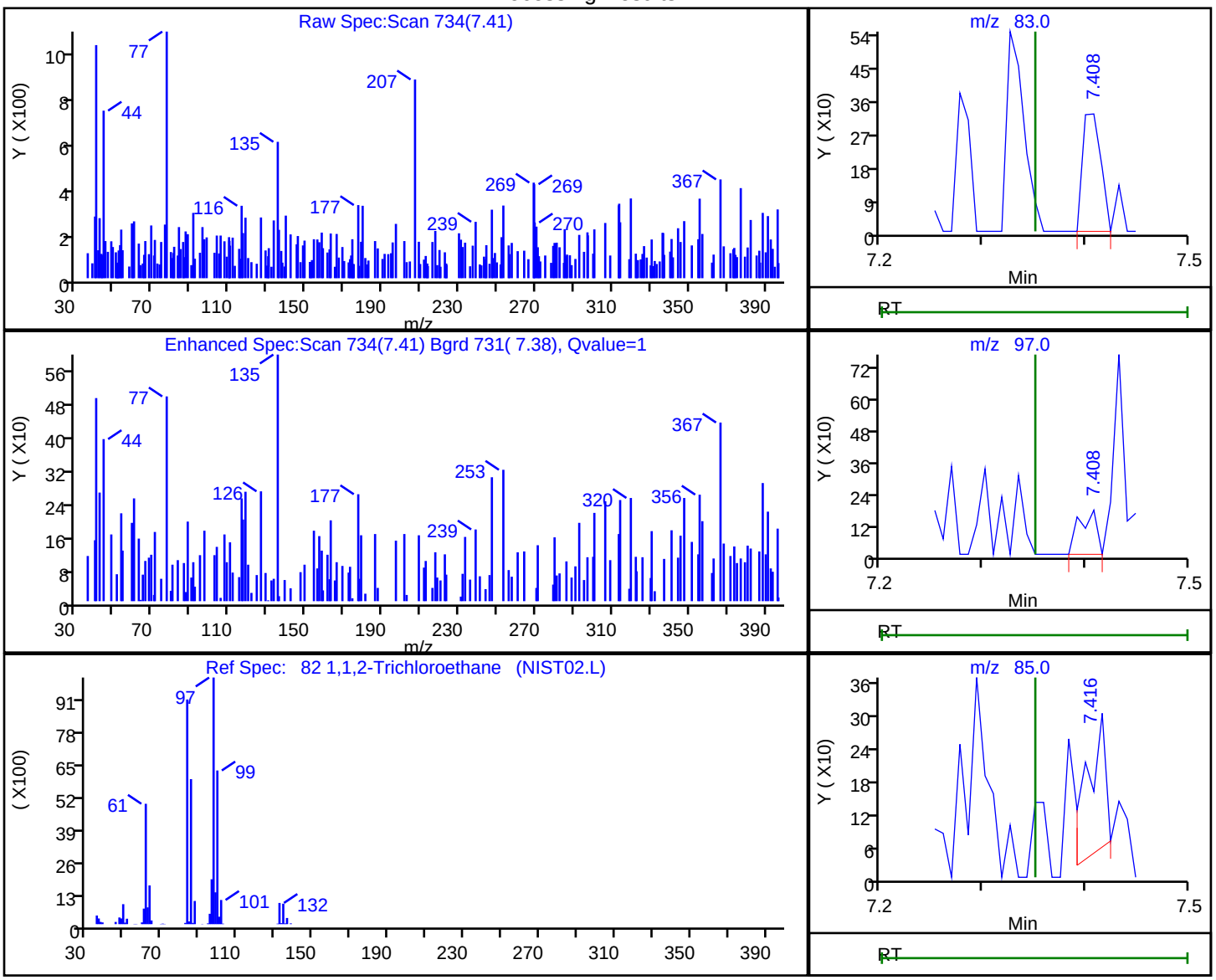
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17254.D		
Injection Date:	21-Jul-2021 14:04:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-8	Lab Sample ID:	460-239070-8
Client ID:	FB071621		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.41	83.00	402	0.174404
7.41	97.00	204	
7.42	85.00	316	

Reviewer: parekhv, 21-Jul-2021 16:02:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: TB071621 Lab Sample ID: 460-239070-9

Matrix: Water Lab File ID: F17253.D

Analysis Method: 8260D Date Collected: 07/16/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.7		1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: TB071621 Lab Sample ID: 460-239070-9

Matrix: Water Lab File ID: F17253.D

Analysis Method: 8260D Date Collected: 07/16/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U *	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene	100		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: TB071621 Lab Sample ID: 460-239070-9

Matrix: Water Lab File ID: F17253.D

Analysis Method: 8260D Date Collected: 07/16/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D
Lims ID: 460-239070-B-9
Client ID: TB071621
Sample Type: Client
Inject. Date: 21-Jul-2021 13:41:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-9
Misc. Info.: 460-0132123-021
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:57:39 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:02:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
27 Methylene Chloride	84	3.061	3.037	0.024	35	6685	1.66	
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	416297	1000.0	
* 38 2-Butanone-d5	46	4.039	4.039	0.000	0	451250	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	95	144401	50.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	246732	55.4	
* 61 Fluorobenzene	96	5.099	5.091	0.008	96	484391	50.0	
* 67 1,4-Dioxane-d8	96	5.781	5.781	0.000	0	27788	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	96	495629	53.3	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	95	361883	50.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	83	166773	49.8	
* 116 1,4-Dichlorobenzene-d4	152	10.761	10.761	0.000	96	243242	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

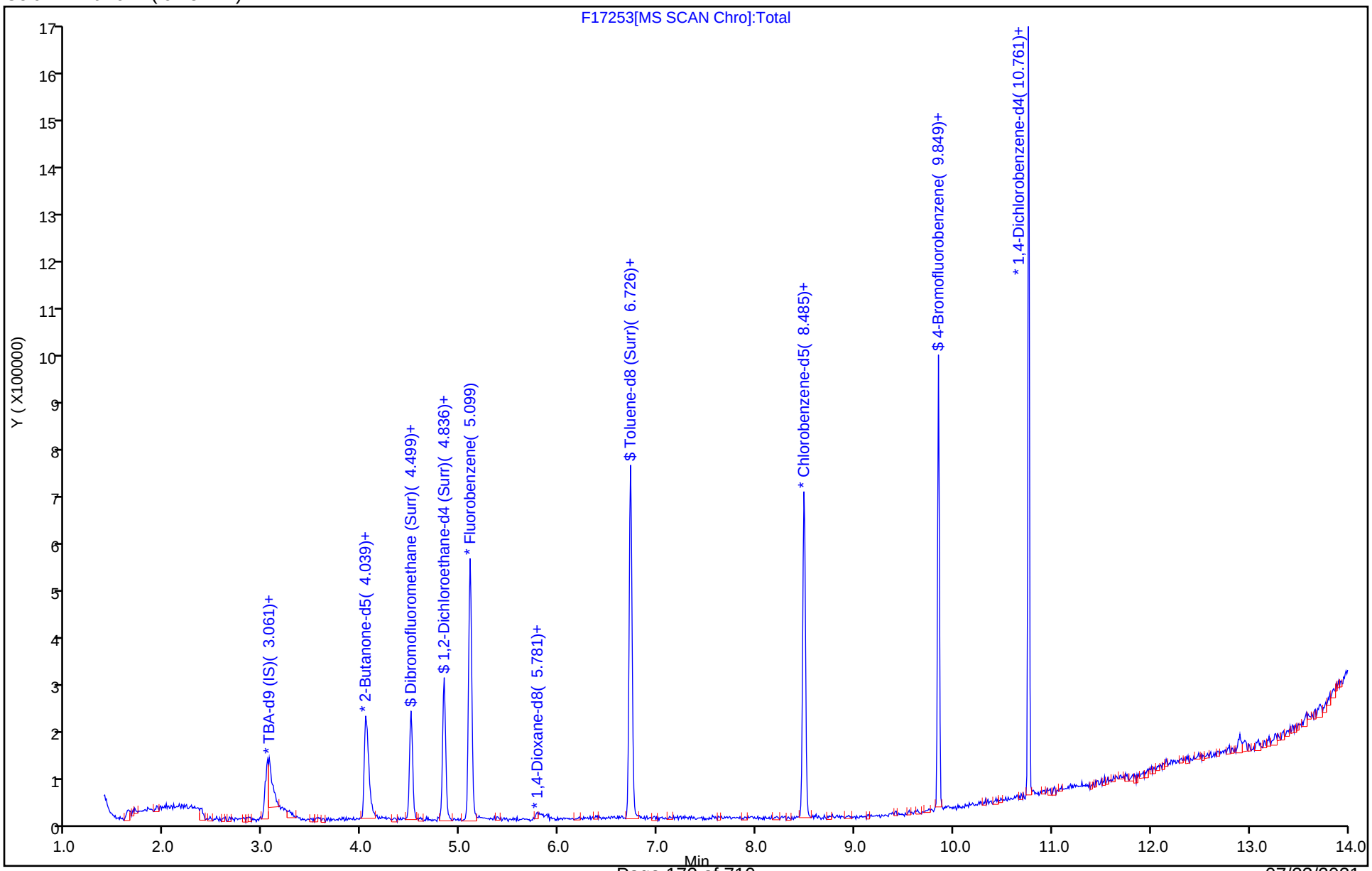
Report Date: 23-Jul-2021 15:58:03 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D

Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9	Worklist Smp#:	21
Client ID:	TB071621				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

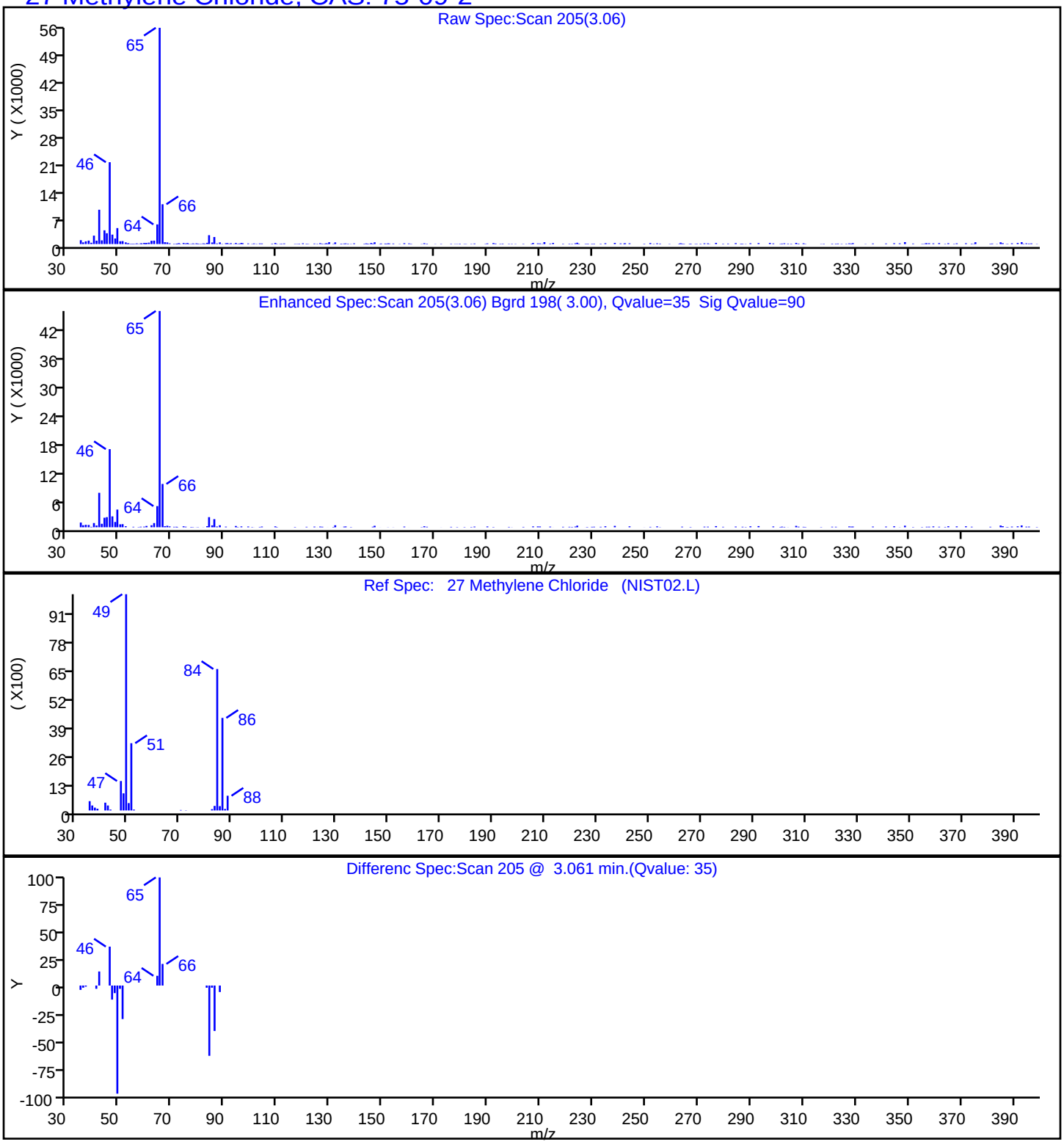
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D				
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9		
Client ID:	TB071621				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



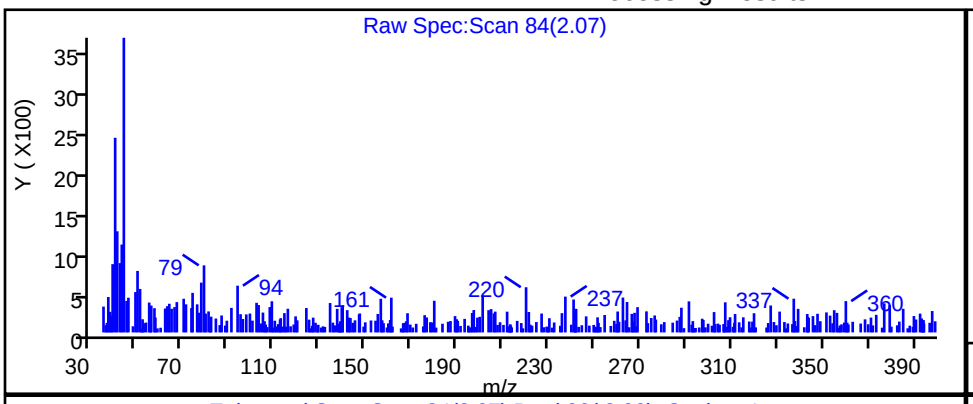
User Disabled Compound Report

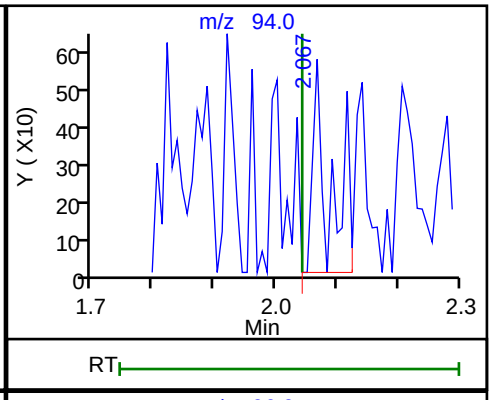
Eurofins TestAmerica, Edison

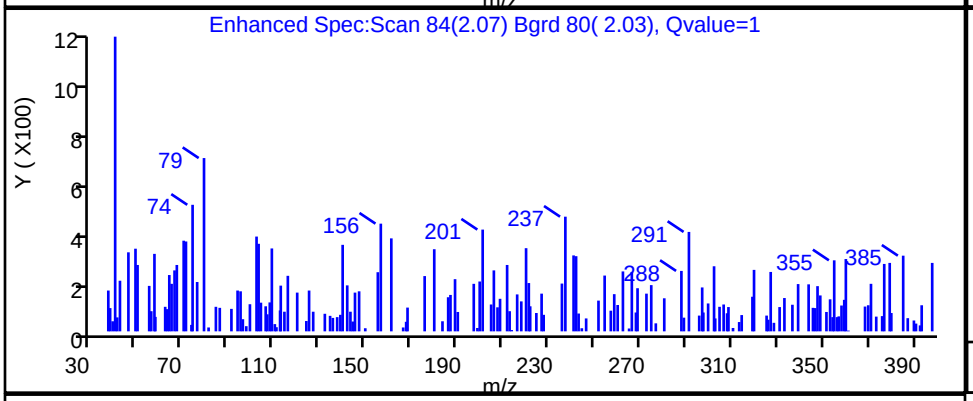
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D		
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9
Client ID:	TB071621		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

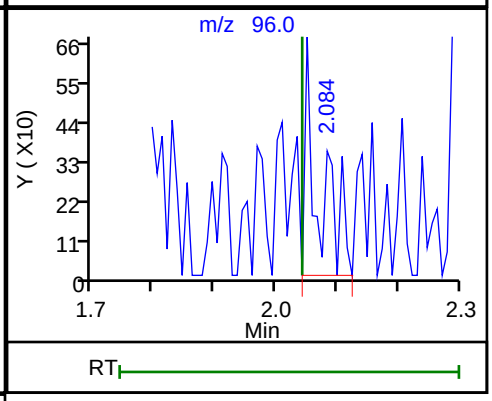
5 Bromomethane, CAS: 74-83-9

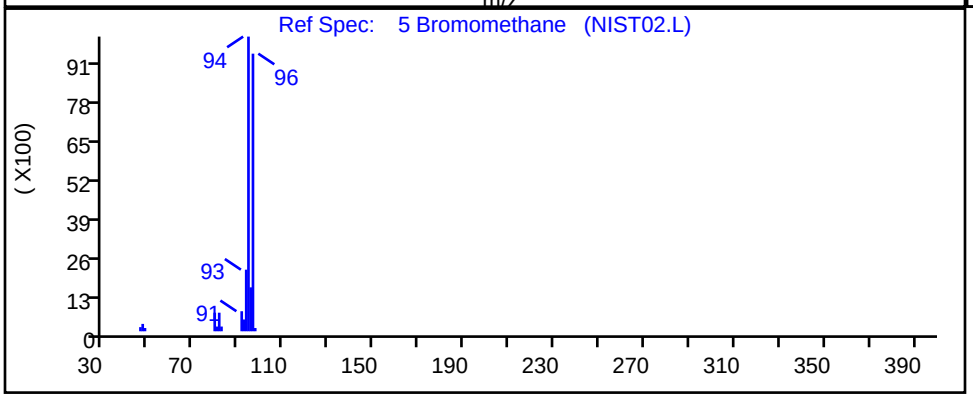
Processing Results











RT	Mass	Response	Amount
2.07	94.00	1075	0.206453
2.08	96.00	1050	

Reviewer: parekhv, 21-Jul-2021 16:01:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

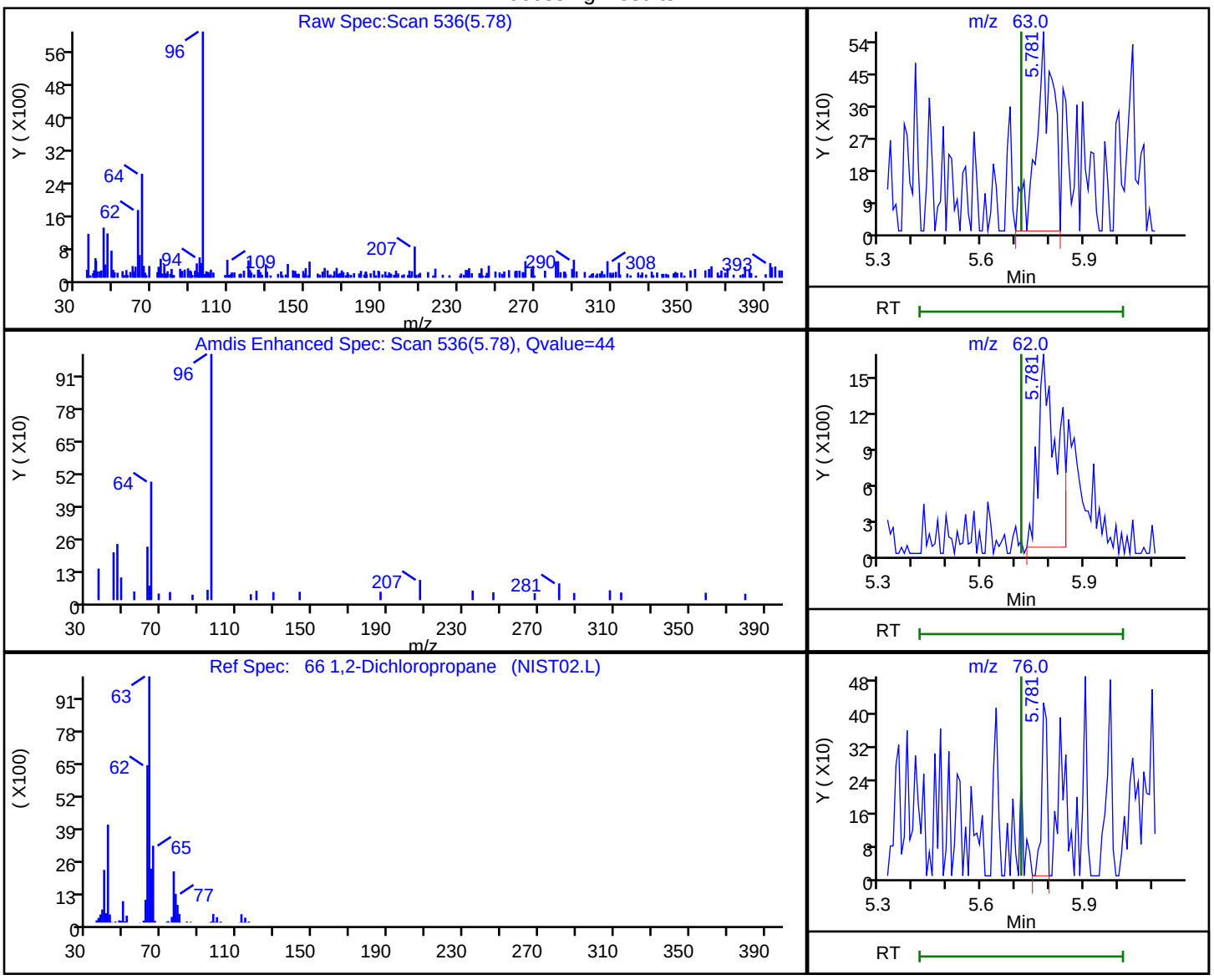
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D		
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9
Client ID:	TB071621		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

66 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
5.78	63.00	1966	0.613768
5.78	62.00	5968	
5.78	76.00	463	
5.77	112.00	590	

Reviewer: parekhv, 21-Jul-2021 16:02:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

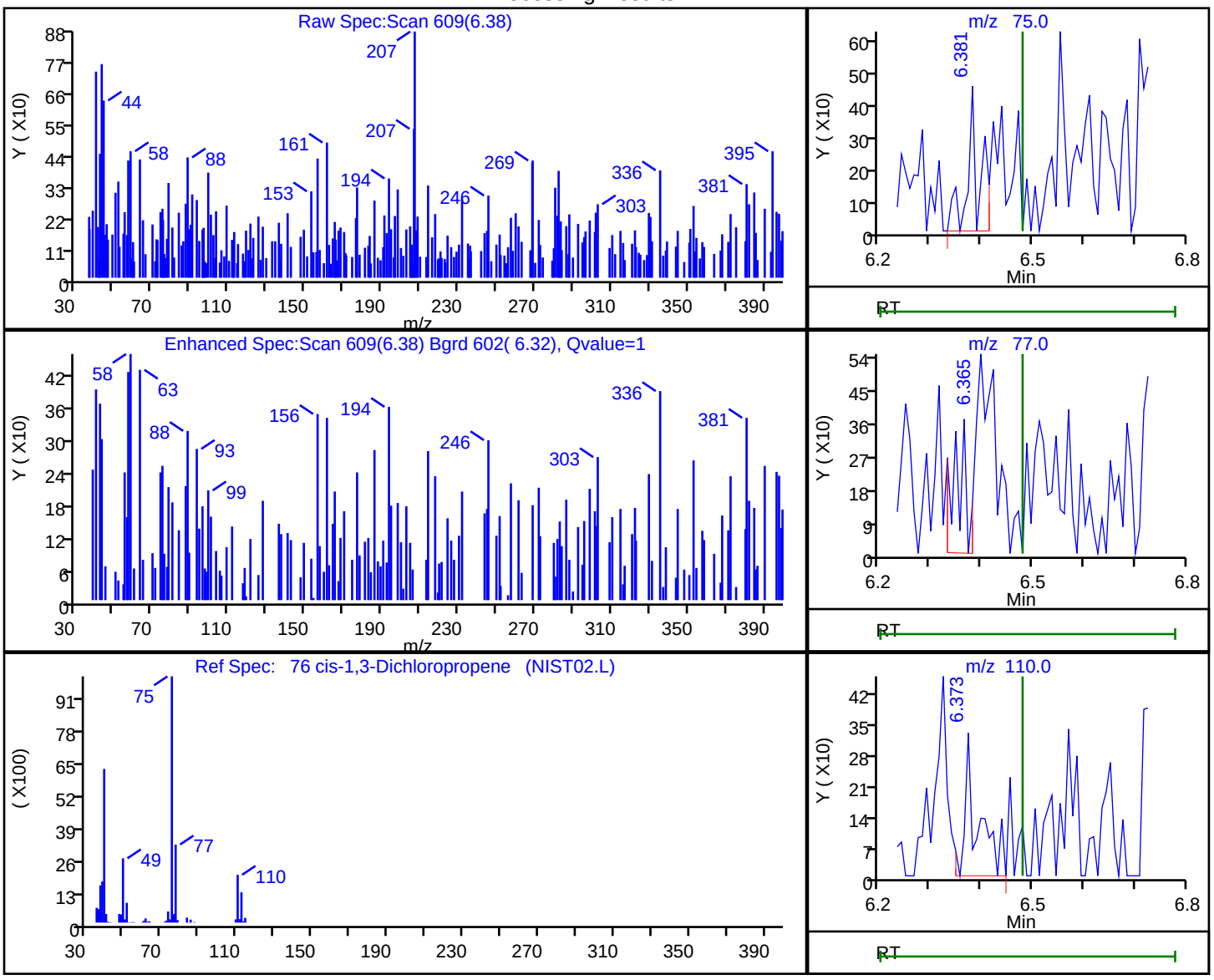
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D		
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9
Client ID:	TB071621		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

76 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results



RT	Mass	Response	Amount
6.38	75.00	727	0.169624
6.36	77.00	612	
6.37	110.00	589	

Reviewer: parekhv, 21-Jul-2021 16:02:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

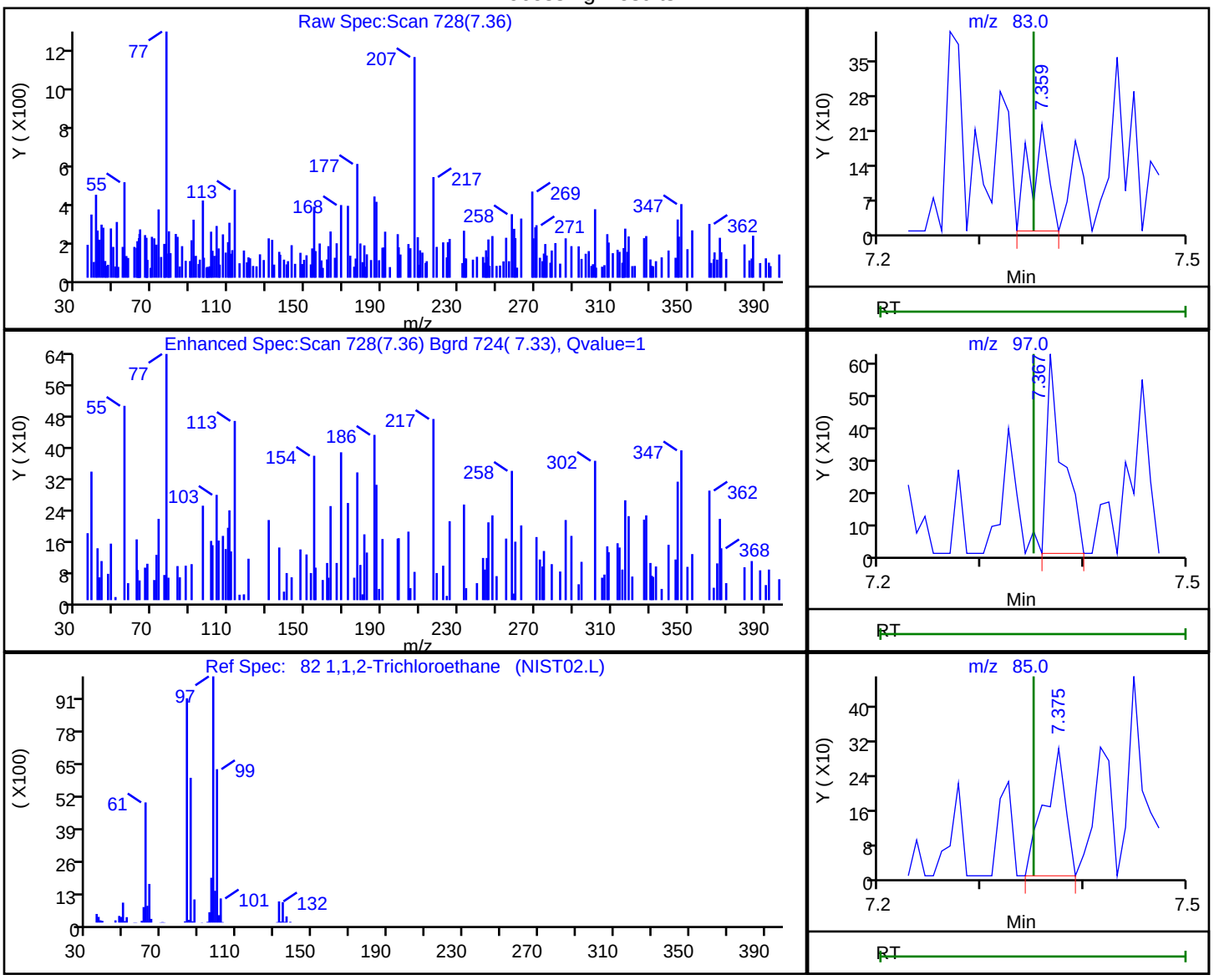
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D				
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9		
Client ID:	TB071621				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.36	83.00	268	0.128357
7.37	97.00	677	
7.38	85.00	430	

Reviewer: parekhv, 21-Jul-2021 16:02:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

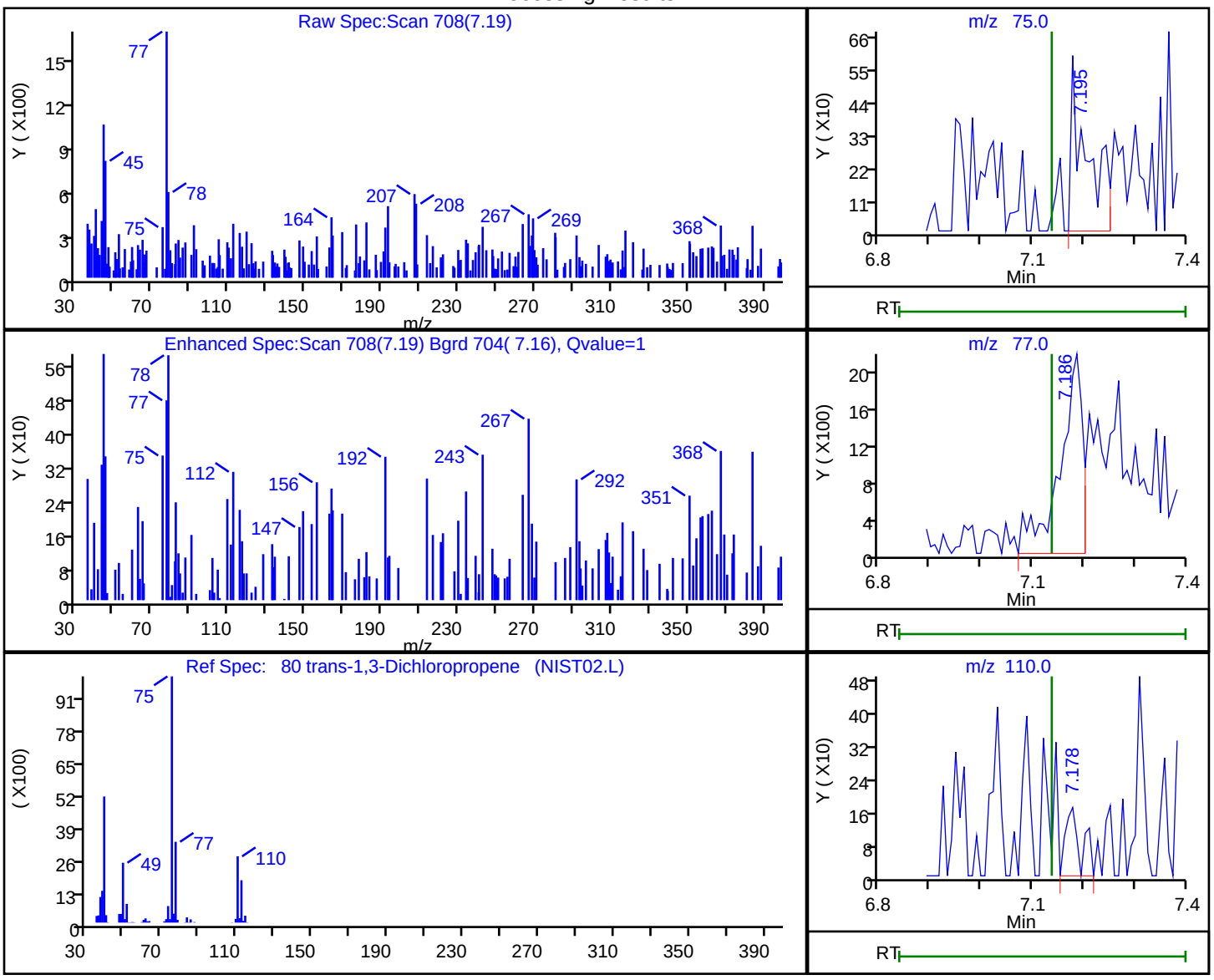
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D				
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9		
Client ID:	TB071621				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

80 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
7.19	75.00	1311	0.319506
7.19	77.00	6780	
7.18	110.00	355	

Reviewer: parekhv, 21-Jul-2021 16:02:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

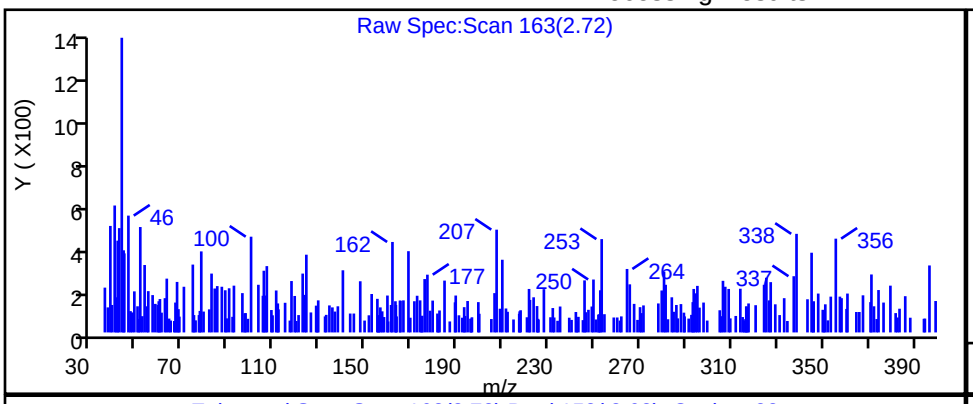
User Disabled Compound Report

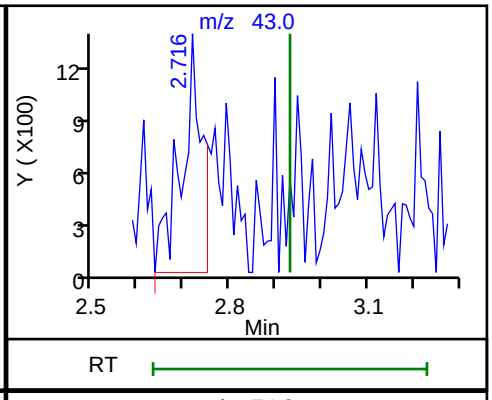
Eurofins TestAmerica, Edison

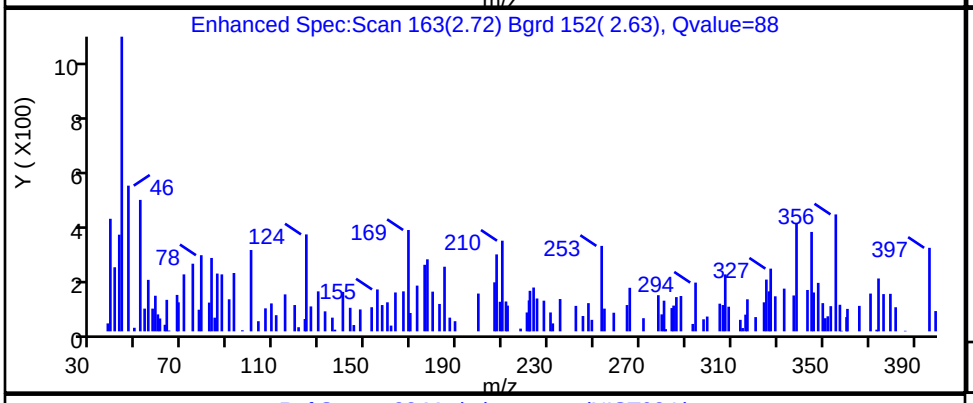
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17253.D		
Injection Date:	21-Jul-2021 13:41:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-9	Lab Sample ID:	460-239070-9
Client ID:	TB071621		
Operator ID:		ALS Bottle#:	20 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

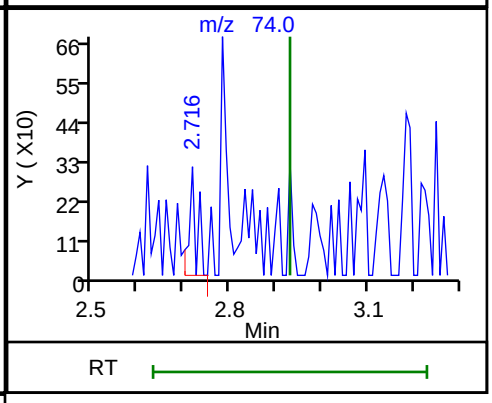
23 Methyl acetate, CAS: 79-20-9

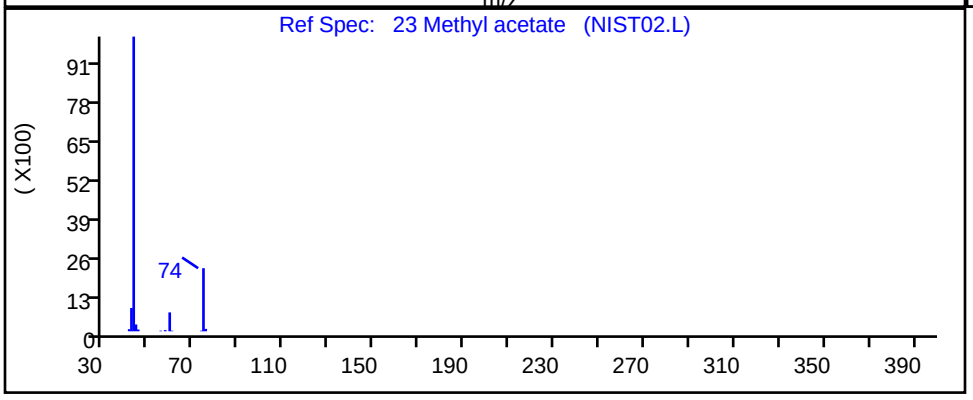
Processing Results











RT	Mass	Response	Amount
2.72	43.00	4130	1.539713
2.72	74.00	348	

Reviewer: parekhv, 21-Jul-2021 16:02:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-789505/3	F16852.D
Level 2	STD1 460-789505/5	F16854.D
Level 3	STD5 460-789505/6	F16855.D
Level 4	STD20 460-789505/7	F16856.D
Level 5	STD50 460-789505/8	F16857.D
Level 6	STD200 460-789505/9	F16858.D
Level 7	STD500 460-789505/10	F16859.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.7013	0.6376 0.6921	0.6791	0.8650	0.7133	Ave		0.7147			0.1000	10.9		20.0			
Chloromethane	+++++ 0.6766	0.7162 0.6423	0.6814	0.7661	0.7212	Ave		0.7006			0.1000	6.2		20.0			
Butadiene	0.8967 0.6443	0.8115 0.5982	0.6988	0.7273	0.6812	Ave		0.7225				14.1		20.0			
Vinyl chloride	+++++ 0.6538	0.6333 0.6270	0.6015	0.7046	0.6938	Ave		0.6523			0.1000	6.1		20.0			
Bromomethane	+++++ 0.4765	0.7284 0.4802	0.4978	0.5465	0.4955	Ave		0.5375			0.1000	18.0		20.0			
Chloroethane	+++++ 0.3788	0.4053 0.3881	0.3762	0.4242	0.3873	Ave		0.3933			0.1000	4.6		20.0			
Dichlorofluoromethane	+++++ 0.9987	0.8653 1.0451	0.9567	1.1230	1.0548	Ave		1.0073				8.9		20.0			
Pentane	+++++ 2.4342	3.3941 2.3271	3.2535	2.9320	2.6531	Ave		2.8323				15.4		20.0			
Trichlorofluoromethane	+++++ 0.8359	1.2548 0.8207	0.8543	0.9774	0.8968	Ave		0.9400			0.1000	17.5		20.0			
Ethyl ether	+++++ 0.2496	0.3767 0.2890	0.3429	0.2903	0.3041	Ave		0.3088				14.5		20.0			
Ethanol	+++++ 0.0303	+++++ 0.0501	+++++	0.0373	0.0506	Ave		0.0421				23.7	*	20.0			
2-Methyl-1,3-butadiene	+++++ 0.3499	0.3193 0.4065	0.4517	0.3879	0.4104	Ave		0.3876				12.1		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.3743	0.4942 0.3553	0.4616	0.4055	0.3933	Ave		0.4140				12.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.5167	0.7530 0.4996	0.6548	0.5334	0.5177	Ave		0.5792				17.6		20.0			
Acrolein	+++++ 1.2790	1.4192 1.1449	1.7692	1.7793	1.2590	Ave		1.4418				18.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3972	0.5703 0.3834	0.4675	0.4543	0.4087	Ave		0.4469			0.1000	15.4		20.0			
1,1-Dichloroethene	+++++ 0.3339	0.4081 0.3423	0.3921	0.3673	0.3327	Ave		0.3627			0.1000	8.8		20.0			
Acetone	+++++ 0.9407	0.9600 0.8429	1.0645	0.9077	0.9799	Ave		0.9493			0.0500	7.8		20.0			
Iodomethane	+++++ 0.6851	1.0125 0.6665	0.8433	0.7815	0.6978	Ave		0.7811				16.9		20.0			
Isopropyl alcohol	+++++ 0.5132	+++++ 0.4267	0.4255	0.5397	0.4629	Ave		0.4736				10.8		20.0			
Carbon disulfide	+++++ 1.2407	1.6727 1.2860	1.3560	1.3004	1.1920	Ave		1.3413			0.1000	12.8		20.0			
3-Chloro-1-propene	+++++ 0.6485	0.8433 0.6734	0.6141	0.6213	0.5622	Ave		0.6605				14.7		20.0			
Methyl acetate	+++++ 0.2436	0.3763 0.2535	0.2866	0.2575	0.2437	Ave		0.2769			0.1000	18.5		20.0			
Cyclopentene	+++++ 0.8238	0.9153 0.8265	0.9060	0.8290	0.8035	Ave		0.8507				5.6		20.0			
Acetonitrile	+++++ 1.6065	1.1007 1.6342	1.0284	1.8398	1.6917	QuaF		1.6064	0.0000054						1.0000		0.9900
Methylene Chloride	+++++ 0.3616	0.5319 0.3681	0.4562	0.4012	0.3744	Ave		0.4156			0.1000	16.0		20.0			
2-Methyl-2-propanol	+++++ 1.2985	1.5371 1.1841	1.2086	1.3314	1.4707	Ave		1.3384				10.5		20.0			
Methyl tert-butyl ether	+++++ 1.1650	1.5626 1.0866	1.3818	1.2544	1.1566	Ave		1.2678			0.1000	13.9		20.0			
trans-1,2-Dichloroethene	+++++ 0.3391	0.5332 0.3251	0.4317	0.3772	0.3342	Lin2	0.1936	0.3489			0.1000				0.9940		0.9900
Acrylonitrile	0.1809 0.1273	0.1486 0.1319	0.1405	0.1275	0.1192	Ave		0.1394				14.8		20.0			
Hexane	+++++ 0.3147	0.4400 0.3095	0.3710	0.3208	0.2846	Ave		0.3401				16.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl ether	+++++ 1.1864	1.1993 1.1760	1.3187	1.2226	1.1525	Ave		1.2093				4.8		20.0			
1,1-Dichloroethane	+++++ 0.6176	0.8325 0.6197	0.7111	0.6953	0.6091	Ave		0.6809			0.2000	12.6		20.0			
Vinyl acetate	+++++ 0.0746	0.1180 0.0758	0.0994	0.0733	0.0738	Lin2	0.0880	0.0764							0.9900		0.9900
2-Chloro-1,3-butadiene	+++++ 0.3065	0.4678 0.2934	0.2992	0.3198	0.3018	Lin2	0.1667	0.2959							0.9970		0.9900
Tert-butyl ethyl ether	+++++ 1.2009	1.3264 1.1348	1.3486	1.2177	1.2003	Ave		1.2381				6.7		20.0			
cis-1,2-Dichloroethene	+++++ 0.3753	0.4740 0.3791	0.4566	0.4006	0.3781	Ave		0.4106			0.1000	10.6		20.0			
2,2-Dichloropropane	+++++ 0.1430	0.1110 0.1415	0.1716	0.1548	0.1334	Ave		0.1426				14.3		20.0			
Ethyl acetate	+++++ 0.2301	0.3868 0.2063	0.3729	0.3036	0.2684	QuaF		0.2511	-0.000045						1.0000		0.9900
2-Butanone (MEK)	+++++ 0.2625	0.2641 0.2441	0.3098	0.2878	0.2605	Ave		0.2715			0.0500	8.6		20.0			
Methyl acrylate	+++++ 0.3416	0.3943 0.3313	0.3941	0.3130	0.3260	Ave		0.3500				10.1		20.0			
Propionitrile	+++++ 1.5515	0.9947 1.4058	1.2460	1.8243	1.5290	Ave		1.4252				19.9		20.0			
Chlorobromomethane	+++++ 0.2048	0.3235 0.1963	0.2914	0.2335	0.2069	QuaF		0.2109	-0.000029						1.0000		0.9900
Tetrahydrofuran	+++++ 0.3107	0.4738 0.2985	0.4576	0.4132	0.3598	Ave		0.3856				19.3		20.0			
Methacrylonitrile	+++++ 0.1421	0.0948 0.1544	0.1380	0.1338	0.1268	Ave		0.1316				15.4		20.0			
Chloroform	+++++ 0.6599	0.8656 0.6524	0.7311	0.7462	0.6683	Ave		0.7206			0.2000	11.3		20.0			
Cyclohexane	+++++ 0.6107	0.6988 0.6144	0.6381	0.6474	0.5728	Ave		0.6304			0.1000	6.7		20.0			
1,1,1-Trichloroethane	+++++ 0.7118	0.8576 0.6795	0.8020	0.8135	0.6906	Ave		0.7592			0.1000	9.8		20.0			
Carbon tetrachloride	+++++ 0.5865	0.7210 0.5624	0.7063	0.6715	0.5869	Ave		0.6391			0.1000	10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 0.4722	0.5757 0.4782	0.5257	0.5014	0.4474	Ave		0.5001				9.1		20.0			
Isobutyl alcohol	+++++ 0.8365	0.3285 0.7889	0.6796	0.7943	0.7980	QuaF		0.8578	-0.000005						1.0000		0.9900
Benzene	+++++ 1.6292	1.7440 1.6658	1.9321	1.7592	1.6011	Ave		1.7219			0.5000	7.0		20.0			
Isopropyl acetate	+++++ 1.2099	0.9623 1.1948	1.1515	1.3365	1.0693	Ave		1.1540				11.1		20.0			
Tert-amyl methyl ether	+++++ 1.3755	1.3635 1.3087	1.3458	1.3361	1.1988	Ave		1.3214				4.9		20.0			
1,2-Dichloroethane	+++++ 0.6071	0.9308 0.5955	0.7562	0.6574	0.6159	Ave		0.6938			0.1000	18.8		20.0			
n-Heptane	+++++ 0.2480	0.2427 0.2444	0.2553	0.2499	0.2427	Ave		0.2472				2.0		20.0			
n-Butanol	+++++ 0.2542	0.2192 0.2347	0.1915	0.1795	0.2238	Ave		0.2172				12.7		20.0			
Trichloroethene	+++++ 0.3289	0.4424 0.3339	0.3940	0.3436	0.3131	Ave		0.3593			0.2000	13.7		20.0			
Ethyl acrylate	+++++ 0.9314	0.9408 0.9684	0.9039	0.9233	0.8623	Ave		0.9217				3.9		20.0			
Methylcyclohexane	+++++ 0.6591	0.7847 0.6724	0.6718	0.6307	0.6099	Ave		0.6714			0.1000	9.0		20.0			
1,2-Dichloropropane	+++++ 0.2931	0.4645 0.3043	0.3152	0.3134	0.2934	Ave		0.3306			0.1000	20.0		20.0			
Methyl methacrylate	+++++ 0.0937	0.1296 0.0914	0.1057	0.0902	0.0873	Ave		0.0996				16.0		20.0			
1,4-Dioxane	+++++ 0.8661	1.0171 0.7250	1.0703	1.0380	1.1365	Ave		0.9755				15.6		20.0			
Dibromomethane	+++++ 0.2144	0.2733 0.2118	0.2372	0.2308	0.2086	Ave		0.2293				10.6		20.0			
n-Propyl acetate	+++++ 0.5103	0.3671 0.5198	0.4254	0.4400	0.4587	Ave		0.4536				12.5		20.0			
Dichlorobromomethane	+++++ 0.4999	0.5095 0.5016	0.5110	0.5165	0.4744	Ave		0.5021			0.2000	3.0		20.0			
2-Nitropropane	+++++ 0.1733	0.2487 0.1605	0.1782	0.1519	0.1523	Qua2	0.1890	0.1547	0.0000104						0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloroethyl vinyl ether	+++++ 0.1741	0.2581 0.1782	0.1643	0.1562	0.1568	Lin2	0.0931	0.1615							0.9930		0.9900
Epichlorohydrin	0.2291 0.2173	0.2417 0.2075	0.2658	0.2385	0.2246	Ave		0.2321				8.2		20.0			
cis-1,3-Dichloropropene	+++++ 0.6107	0.6124 0.6491	0.5789	0.5589	0.5431	Ave		0.5922			0.2000	6.6		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 3.0159	3.5363 2.8387	3.2511	3.2182	3.0530	Ave		3.1522			0.0500	7.6		20.0			
Toluene	+++++ 1.7978	2.1152 1.8146	2.1005	1.7987	1.7796	Ave		1.9011			0.4000	8.4		20.0			
trans-1,3-Dichloropropene	+++++ 0.5807	0.6315 0.6045	0.5169	0.5490	0.5189	Ave		0.5669			0.1000	8.2		20.0			
Ethyl methacrylate	+++++ 0.5250	0.4873 0.5072	0.5685	0.5224	0.5198	Ave		0.5217				5.1		20.0			
1,1,2-Trichloroethane	+++++ 0.2689	0.2811 0.2653	0.3738	0.2609	0.2809	Ave		0.2885			0.1000	14.8		20.0			
Tetrachloroethene	+++++ 0.4667	0.6450 0.4471	0.5745	0.5266	0.4681	Ave		0.5213			0.2000	14.7		20.0			
1,3-Dichloropropane	+++++ 0.5627	0.6868 0.5546	0.6496	0.5938	0.5703	Ave		0.6030				8.9		20.0			
2-Hexanone	+++++ 1.7451	2.6499 1.6510	2.1180	1.9466	1.7696	Ave		1.9800			0.0500	18.6		20.0			
n-Butyl acetate	+++++ 0.7460	1.0793 0.6650	0.8043	0.6801	0.6777	Qua2	0.3860	0.6973	-0.000031						0.9970		0.9900
Chlorodibromomethane	+++++ 0.4090	0.4535 0.3934	0.4223	0.4152	0.4066	Ave		0.4167			0.1000	4.9		20.0			
Ethylene Dibromide	+++++ 0.3349	0.5426 0.3188	0.4087	0.3427	0.3570	Qua2	0.1934	0.3521	-0.000071		0.1000				0.9990		0.9900
Chlorobenzene	+++++ 1.1548	1.5674 1.1403	1.3922	1.2164	1.1578	Ave		1.2715			0.5000	13.6		20.0			
Ethylbenzene	+++++ 0.6580	0.8311 0.6471	0.7035	0.7220	0.6676	Ave		0.7049			0.1000	9.7		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5118	0.6529 0.4820	0.6148	0.5428	0.5358	Ave		0.5567				11.6		20.0			
m-Xylene & p-Xylene	+++++ 0.8005	1.0981 0.7786	0.8894	0.8712	0.8244	Ave		0.8770			0.1000	13.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Butyl acrylate	+++++ 0.3873	0.2871 0.3268	0.4301	0.3792	0.3547	Ave		0.3609				13.8		20.0			
o-Xylene	+++++ 0.8750	0.9277 0.8644	1.0309	0.9193	0.9016	Ave		0.9198			0.3000	6.5		20.0			
Styrene	+++++ 1.3845	1.7015 1.3890	1.5766	1.4398	1.4052	Ave		1.4828			0.3000	8.7		20.0			
Amyl acetate (mixed isomers)	+++++ 1.8033	1.6199 1.7746	1.6734	1.5374	1.4898	Ave		1.6497				7.6		20.0			
Bromoform	+++++ 0.2654	0.2829 0.2592	0.3034	0.2815	0.2644	Ave		0.2761			0.1000	6.0		20.0			
Isopropylbenzene	+++++ 2.5064	3.0214 2.2854	2.7542	2.5934	2.4277	Ave		2.5981			0.1000	10.0		20.0			
Bromobenzene	+++++ 0.8443	0.8459 0.8893	0.9270	0.9220	0.8189	Ave		0.8746				5.1		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7322	0.7658 0.7790	0.7412	0.7337	0.6974	Ave		0.7415			0.3000	3.9		20.0			
N-Propylbenzene	+++++ 4.5535	4.8292 4.1041	4.5117	4.3874	4.0491	Ave		4.4058				6.7		20.0			
1,2,3-Trichloropropane	+++++ 0.2545	0.3471 0.2671	0.2898	0.2935	0.2452	Ave		0.2829				13.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1158	0.1288 0.1720	0.0553	0.0818	0.0899	QuaF		0.0786	0.0001868						1.0000		0.9900
2-Chlorotoluene	+++++ 2.9853	3.5648 3.3291	2.9454	2.9945	2.7665	Ave		3.0976				9.4		20.0			
4-Ethyltoluene	+++++ 3.9356	3.8989 3.7850	3.9011	3.5761	3.4870	Ave		3.7639				5.0		20.0			
1,3,5-Trimethylbenzene	+++++ 3.3653	3.2992 3.3875	3.1518	3.1832	3.0338	Ave		3.2368				4.2		20.0			
4-Chlorotoluene	+++++ 2.5130	3.0768 2.8872	2.6677	2.5620	2.4036	Ave		2.6851				9.4		20.0			
Butyl Methacrylate	+++++ 1.1322	0.9420 1.1443	0.8752	1.0108	0.9802	Ave		1.0141				10.5		20.0			
tert-Butylbenzene	+++++ 2.8072	2.6785 3.0673	2.3952	2.5226	2.4195	Ave		2.6484				9.8		20.0			
1,2,4-Trimethylbenzene	+++++ 3.4548	3.4793 3.2625	3.1513	3.4003	3.1748	Ave		3.3205				4.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	+++++ 4.5683	3.8275 3.6842	4.1374	4.1017	3.9573	Ave		4.0461				7.6		20.0			
1,3-Dichlorobenzene	+++++ 1.9114	2.2372 2.2071	2.0139	1.9381	1.7743	Ave		2.0137			0.6000	8.9		20.0			
4-Isopropyltoluene	+++++ 4.3102	3.6645 3.4193	3.9148	3.8260	3.6309	Ave		3.7943				8.0		20.0			
1,4-Dichlorobenzene	+++++ 1.8462	2.1621 2.0056	2.1059	1.9034	1.7452	Ave		1.9614			0.5000	8.1		20.0			
1,2,3-Trimethylbenzene	+++++ 4.1318	3.1717 3.3461	3.4783	3.4478	3.4852	Ave		3.5102				9.3		20.0			
Benzyl chloride	+++++ 2.1095	2.1147 2.0284	2.2472	1.9871	1.8918	Ave		2.0631				5.9		20.0			
Indan	+++++ 3.8081	3.8456 3.1685	3.6441	3.4701	3.3884	Ave		3.5541				7.3		20.0			
p-Diethylbenzene	+++++ 2.1995	2.2524 2.3526	2.0951	2.0914	1.8721	Ave		2.1439				7.7		20.0			
n-Butylbenzene	+++++ 2.0251	2.0969 2.3608	2.0289	1.9737	1.8311	Ave		2.0528				8.5		20.0			
1,2-Dichlorobenzene	+++++ 1.8812	2.6288 2.0384	2.0728	1.9923	1.8158	Ave		2.0716			0.4000	14.0		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 4.2936	3.8016 2.9973	3.7546	3.6996	3.6469	Ave		3.6989				11.2		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2081	0.4176 0.2055	0.2537	0.2341	0.2003	Qua2	0.2073	0.2110	-0.000014		0.0500				0.9980		0.9900
1,3,5-Trichlorobenzene	+++++ 1.7153	2.0365 1.6874	1.6847	1.6317	1.5497	Ave		1.7175				9.7		20.0			
1,2,4-Trichlorobenzene	+++++ 1.5011	1.8302 1.5407	1.5839	1.5632	1.4836	Ave		1.5838			0.2000	8.0		20.0			
Hexachlorobutadiene	+++++ 0.6245	0.6927 0.6598	0.6399	0.6503	0.6000	Ave		0.6445				4.9		20.0			
Naphthalene	+++++ 3.5645	3.5943 3.2121	3.3644	3.3995	3.3756	Ave		3.4184				4.1		20.0			
1,2,3-Trichlorobenzene	+++++ 1.3485	1.4879 1.4024	1.4449	1.3635	1.3246	Ave		1.3953				4.5		20.0			
Dibromofluoromethane (Surr)	0.2982 0.2837	0.3049 0.2850	0.2973	0.2969	0.2905	Ave		0.2938				2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethane-d4 (Surr)	0.4332 0.4846	0.4439 0.4968	0.4552	0.4563	0.4458	Ave		0.4594				5.0		20.0			
Toluene-d8 (Surr)	1.3055 1.2801	1.3082 1.2204	1.3167	1.2721	1.2940	Ave		1.2853				2.5		20.0			
4-Bromofluorobenzene	0.4734 0.4393	0.4831 0.3972	0.5059	0.4771	0.4634	Ave		0.4628				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-789505/3	F16852.D
Level 2	STD1 460-789505/5	F16854.D
Level 3	STD5 460-789505/6	F16855.D
Level 4	STD20 460-789505/7	F16856.D
Level 5	STD50 460-789505/8	F16857.D
Level 6	STD200 460-789505/9	F16858.D
Level 7	STD500 460-789505/10	F16859.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 1670366	6260 4811569	34056	167162	380050	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 1611551	7032 4465232	34174	148043	384217	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	2144 1534400	7967 4158789	35043	140551	362897	0.250 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 1557094	6218 4359141	30166	136174	369616	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 1134822	7152 3338351	24963	105613	263974	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 902122	3979 2697822	18867	81987	206368	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 2378542	8496 7265604	47981	217021	561975	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	+++++ 380286	1921 1160258	10095	32774	81660	+++++ 400	2.00 1000	10.0	40.0	100
Trichlorofluoromethane	FB	Ave	+++++ 1990932	12320 5705354	42843	188893	477764	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl ether	FB	Ave	+++++ 594483	3699 2009090	17196	56102	162041	+++++ 200	1.00 500	5.00	20.0	50.0
Ethanol	TBAd 9	Ave	+++++ 94556	+++++ 499537	+++++	8333	31136	+++++ 8000	+++++ 20000	+++++	800	2000
2-Methyl-1,3-butadiene	FB	Ave	+++++ 833288	3135 2826281	22651	74967	218629	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 891340	4852 2470076	23148	78365	209521	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 1230593	7393 3473325	32840	103089	275793	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 101308	1629 231531	11133	20167	39295	+++++ 203	4.06 406	20.3	40.6	101
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 946052	5599 2665369	23447	87797	217766	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 795142	4007 2379807	19666	70990	177255	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 1565566	5602 4524710	31447	101915	317315	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 1631755	9941 4633316	42290	151035	371776	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 400844	+++++ 1063671	6602	30162	71245	+++++ 2000	+++++ 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 2954859	16423 8939948	68005	251306	635087	+++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	+++++ 1544572	8280 4681290	30798	120075	299542	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 1160548	7389 3524789	28748	99527	259658	+++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1962137	8987 5746050	45437	160207	428058	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	QuaF	+++++ 1254860	3115 4074003	15955	102823	260352	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 861312	5222 2559273	22877	77540	199476	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++	4350	18750	74410	226341	+++++	10.0	50.0	200	500

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1014290	2951930				2000	5000			
Methyl tert-butyl ether	FB	Ave	+++++ 2774654	15342 7553848	69296	242424	616204	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Lin2	+++++ 807645	5235 2260222	21652	72886	178072	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	3461 3032738	14587 9167004	70486	246474	635139	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 749586	4320 2151584	18605	61991	151637	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2825729	11775 8175479	66136	236267	613996	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1471020	8174 4307862	35663	134370	324535	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Lin2	+++++ 355432	2317 1054497	9969	28314	78639	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Lin2	+++++ 729976	4593 2039917	15007	61803	160797	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 2860177	13023 7888761	67634	235328	639476	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 893746	4654 2635441	22900	77425	201463	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 340508	1090 983823	8606	29921	71065	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	QuaF	+++++ 153170	903 443067	4407	13634	34759	+++++ 400	2.00 1000	10.0	40.0	100
2-Butanone (MEK)	BUT	Ave	+++++ 436844	1541 1310410	9152	32312	84345	+++++ 1000	5.00 2500	25.0	100	250
Methyl acrylate	CBNZ d5	Ave	+++++ 666687	3045 1980615	15018	48400	135078	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	+++++ 1211904	2815 3504383	19331	101957	235302	+++++ 2000	10.0 5000	50.0	200	500
Chlorobromomethane	FB	QuaF	+++++ 487818	3176 1364817	14613	45129	110242	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++	1106	5407	18557	46608	+++++	2.00	10.0	40.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			206839	640874				400	1000			
Methacrylonitrile	FB	Ave	+++++ 3384500	9306 10735257	69196	258506	675312	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1571766	8499 4535413	36665	144216	356030	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 1454405	6861 4271194	32000	125111	305193	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1695180	8420 4723841	40223	157213	367948	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 1396841	7079 3909732	35423	129779	312706	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 1124535	5652 3324588	26364	96892	238350	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	QuaF	+++++ 1633610	2324 4916822	26358	110983	307018	+++++ 5000	25.0 12500	125	500	1250
Benzene	CBNZd5	Ave	+++++ 3179555	13468 9959053	73633	272002	663436	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 2881648	9448 8305768	57750	258289	569673	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 3275884	13387 9098262	67493	258203	638681	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 1445814	9139 4140039	37925	127036	328157	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 590666	2383 1699034	12801	48299	129328	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	+++++ 496467	1551 1462660	7429	25076	86117	+++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 783297	4344 2321231	19758	66396	166833	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 2218397	9237 6732367	45329	178440	459405	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 1569710	7704 4674228	33693	121876	324960	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 698047	4561 2115253	15805	60569	156292	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 446519	2544 1270519	10599	34852	92977	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 133231	1124 425609	2535	10436	31958	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 510680	2683 1472521	11894	44596	111132	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 1215450	3604 3613476	21336	85034	244392	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 1190517	5002 3487396	25627	99807	252767	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Qua2	+++++ 825294	4884 2231799	17872	58724	162235	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Lin2	+++++ 415734	2540 1241949	8260	30260	83737	+++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Ave	1228 1446307	5642 4456598	31408	107131	290925	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1191895	4729 3880367	22062	86411	225051	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 5019236	20637 15238494	96046	361341	988614	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 3508650	16335 10848632	80053	278108	737412	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1133337	4877 3614019	19700	84881	215013	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 1024524	3763 3032087	21667	80767	215369	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 524735	2171 1585862	14246	40345	116386	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBNZ d5	Ave	+++++ 910890	4981 2672825	21895	81416	193970	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1098160	5304 3315431	24758	91816	236313	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 2904299	15464 8863001	62570	218564	573038	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Qua2	+++++ 1455820	8335 3975657	30652	105150	280824	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 798269	3502 2352178	16093	64194	168494	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Qua2	+++++ 653653	4190 1906149	15575	52991	147922	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 2253699	12104 6817048	53056	188078	479746	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 1284153	6418 3868402	26810	111635	276647	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 998739	5042 2881830	23431	83929	222011	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1562248	8480 4654892	33895	134710	341597	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 755929	2217 1953653	16392	58638	146987	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1707719	7164 5168050	39290	142138	373586	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Styrene	CBNZ d5	Ave	+++++ 2701926	13140 8304301	60086	222619	582250	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 2256622	8844 6038258	46148	160376	429407	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 517934	2185 1549753	11561	43527	109571	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 4891479	23333 13662839	104964	400983	1005966	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 1056569	4618 3025923	25563	96181	236034	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 916232	4181 2650558	20440	76536	201028	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 5698244	26365 13964862	124420	457668	1167097	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 318432	1895 908876	7991	30621	70662	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	QuaF	+++++ 144955	703 585360	1525	8529	25911	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 3735828	19462 11327770	81224	312375	797400	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 4925011	21286 12879003	107579	373041	1005091	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 4211333	18012 11526516	86917	332059	874439	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	+++++ 3144844	16798 9824163	73568	267259	692796	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 1416895	5143 3893687	24134	105441	282540	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 3512915	14623 10437007	66051	263149	697389	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 4323406	18995 11100927	86902	354707	915088	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 5716845	20896 12536057	114097	427866	1140650	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 2391958	12214 7509929	55537	202178	511414	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 5393821	20006 11634610	107959	399115	1046573	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 2310295	11804 6824155	58073	198555	503025	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 5170597	17316 11385460	95921	359654	1004569	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 2639800	11545 6902023	61970	207288	545290	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 4765538	20995 10781044	100492	361984	976651	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 2752526	12297 8005039	57776	218166	539615	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCBd 4	Ave	+++++ 2534296	11448 8032852	55952	205883	527793	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 2354197	14352 6935886	57162	207825	523390	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 5373034	20755 10198785	103540	385921	1051168	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Qua2	+++++ 260478	2280 699197	6996	24425	57732	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 2146574	11118 5741502	46458	170210	446678	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1878505	9992 5242535	43680	163061	427635	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 781556	3782 2244901	17647	67833	172940	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 4460691	19623 10929700	92780	354618	972978	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 1687590	8123 4771666	39845	142231	381786	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	142615 168938	149673 198126	149100	143439	154767	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	207143 288519	217928 345347	228263	220443	237492	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	487031 624560	505141 729578	501788	491733	536190	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	176617	186551	192806	184419	192010	50.0	50.0	50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			214323	237477				50.0	50.0			

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 789505

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 08:45 Calibration End Date: 07/10/2021 11:23 Calibration ID: 86294

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-789505/3	F16852.D
Level 2	STD1 460-789505/5	F16854.D
Level 3	STD5 460-789505/6	F16855.D
Level 4	STD20 460-789505/7	F16856.D
Level 5	STD50 460-789505/8	F16857.D
Level 6	STD200 460-789505/9	F16858.D
Level 7	STD500 460-789505/10	F16859.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
trans-1,2-Dichloroethene	+++++	-2.7						30				
Vinyl acetate	+++++	-3.2						30				
2-Chloro-1,3-butadiene	+++++	1.7						30				
2-Chloroethyl vinyl ether	+++++	2.3						30				

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Jul-2021 08:45:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0131608-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:07 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: tupayachia Date: 10-Jul-2021 12:07:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Butadiene	54	1.763	1.763	0.000	60	2144	0.2500	0.3102	
* 26 TBA-d9 (IS)	65	3.061	3.061	0.000	0	290509	1000.0	1000.0	
31 Acrylonitrile	53	3.308	3.308	0.000	74	3461	2.00	2.60	
* 38 2-Butanone-d5	46	4.039	4.039	0.000	0	267995	250.0	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.507	4.507	0.000	96	142615	50.0	50.8	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.844	4.844	0.000	0	207143	50.0	47.1	
* 61 Fluorobenzene	96	5.107	5.107	0.000	98	478218	50.0	50.0	
* 67 1,4-Dioxane-d8	96	5.789	5.789	0.000	0	26848	1000.0	1000.0	
75 Epichlorohydrin	57	6.422	6.422	0.000	1	1228	5.00	4.94	
$ 78 Toluene-d8 (Surr)	98	6.734	6.734	0.000	97	487031	50.0	50.8	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	89	373055	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	9.857	9.857	0.000	89	176617	50.0	51.2	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	96	253401	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

ACROLEIN W_00128	Amount Added:	0.00	Units: uL	
GASES Li_00428	Amount Added:	2.50	Units: uL	
8260MIX1COMB_00140	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00087	Amount Added:	20.00	Units: uL	
Ethanol mix_00054	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00113	Amount Added:	0.00	Units: uL	
MIX I Hi_00140	Amount Added:	0.00	Units: uL	
8FreonHi_00034	Amount Added:	0.00	Units: uL	
	Amount Added:	0.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

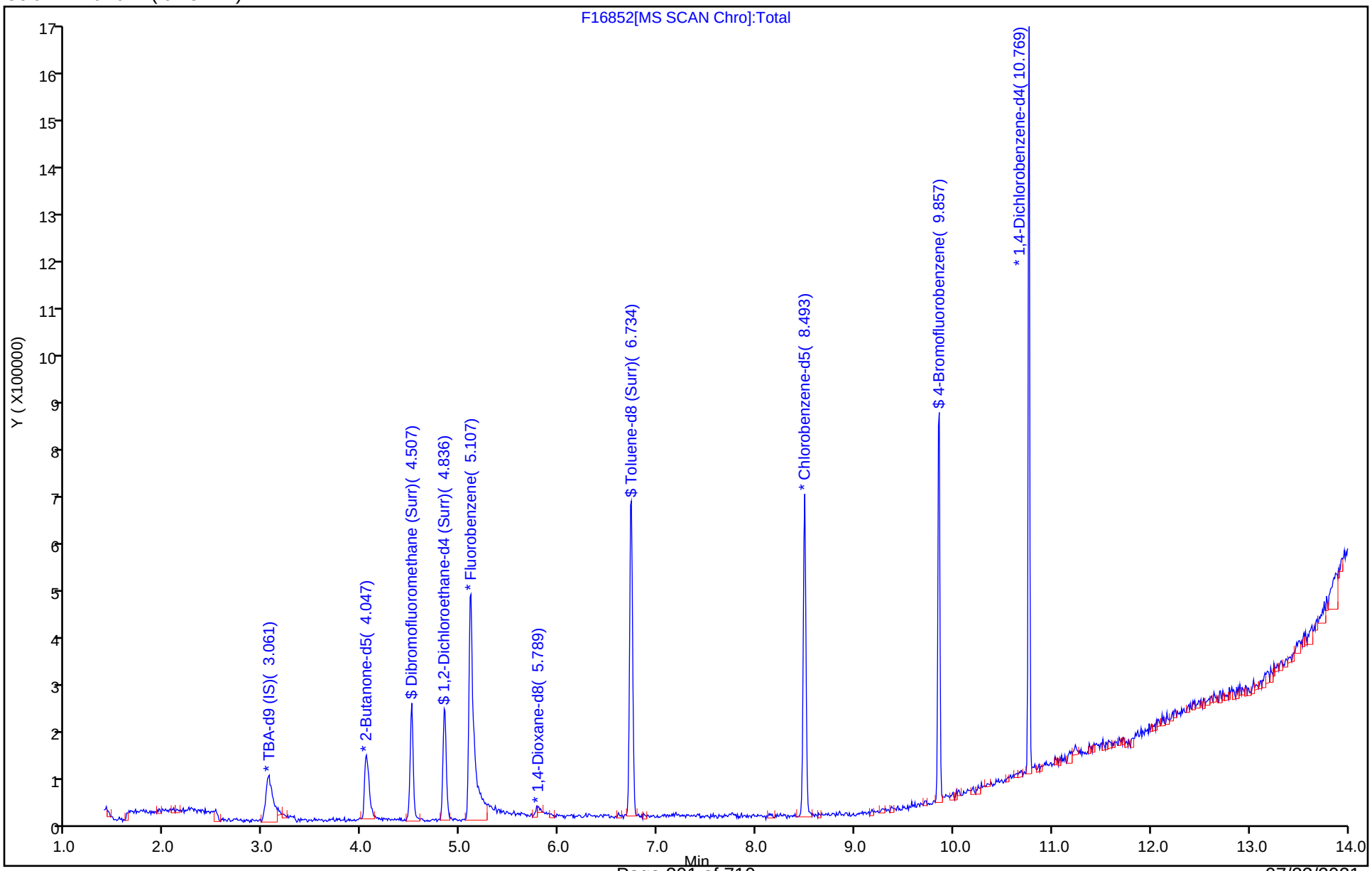
Report Date: 14-Jul-2021 21:51:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D

Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

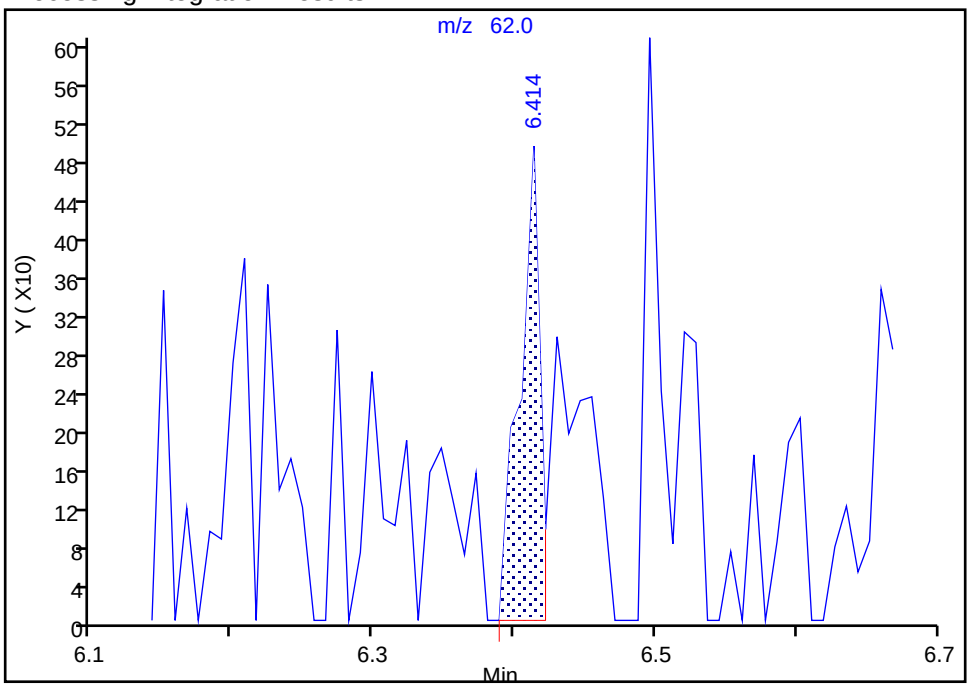
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

75 Epichlorohydrin, CAS: 106-89-8

Signal: 2

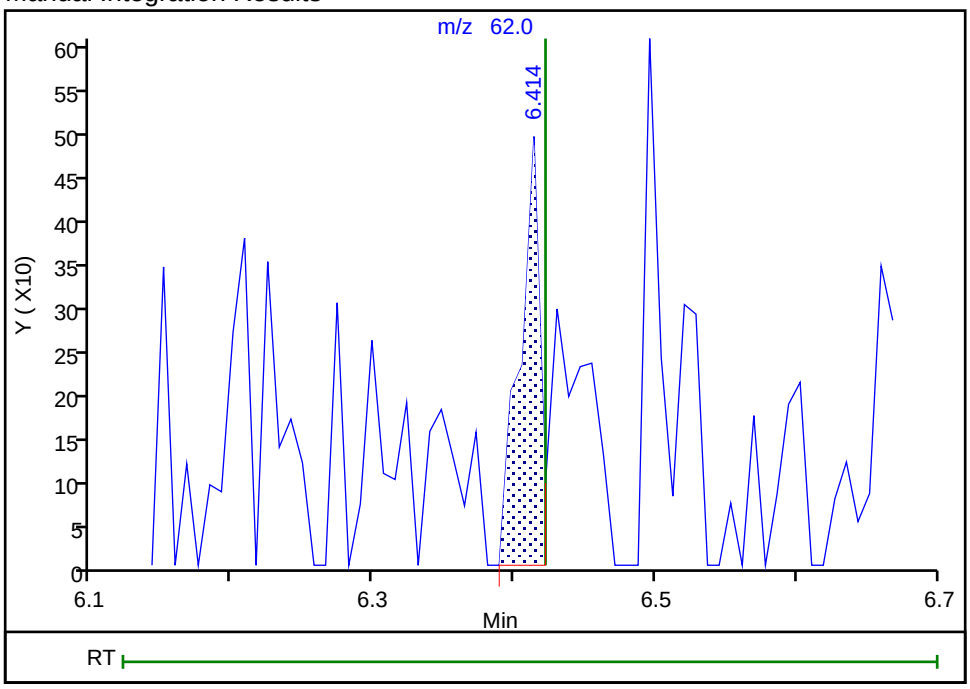
Processing Integration Results

RT: 6.41
Area: 499
Amount: 4.936038
Amount Units: ug/l



Manual Integration Results

RT: 6.41
Area: 499
Amount: 4.936038
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:45:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

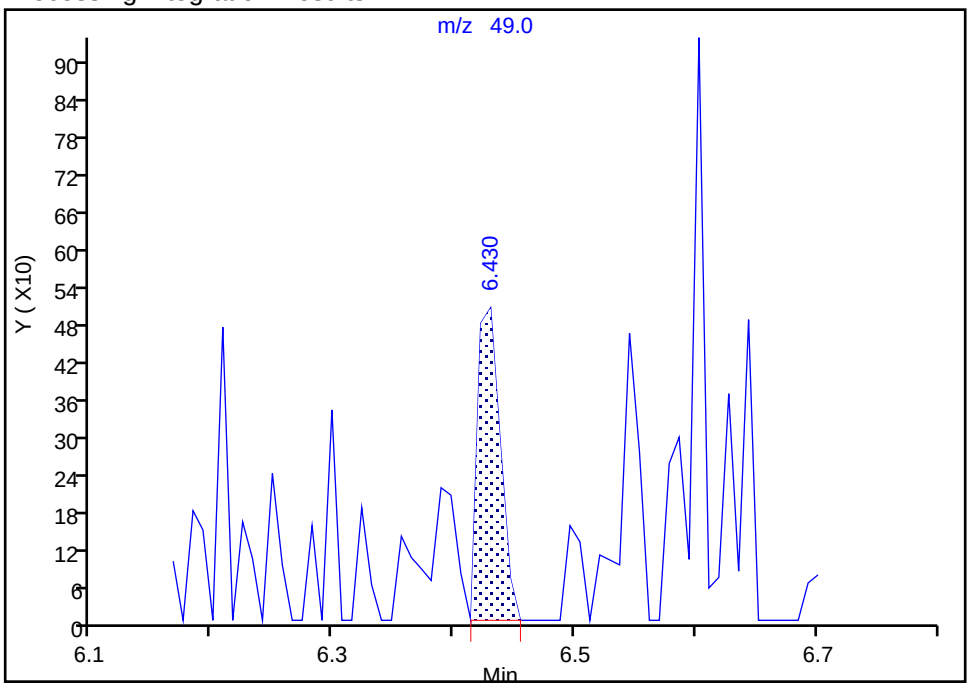
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

75 Epichlorohydrin, CAS: 106-89-8

Signal: 3

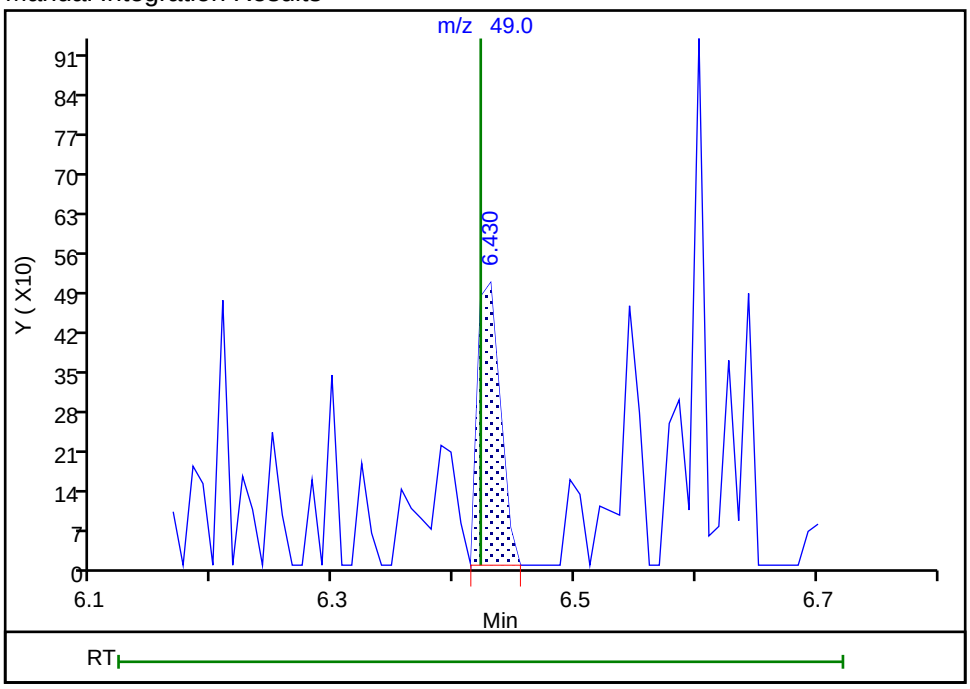
Processing Integration Results

RT: 6.43
Area: 653
Amount: 4.936038
Amount Units: ug/l



Manual Integration Results

RT: 6.43
Area: 653
Amount: 4.936038
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:45:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

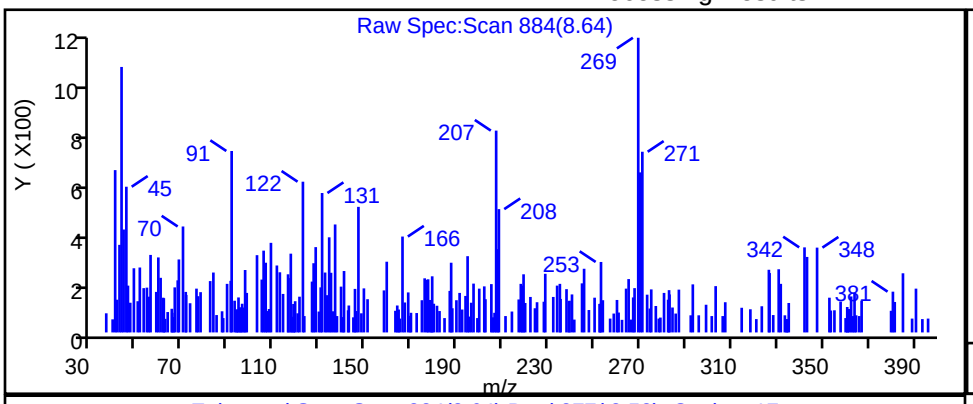
User Disabled Compound Report

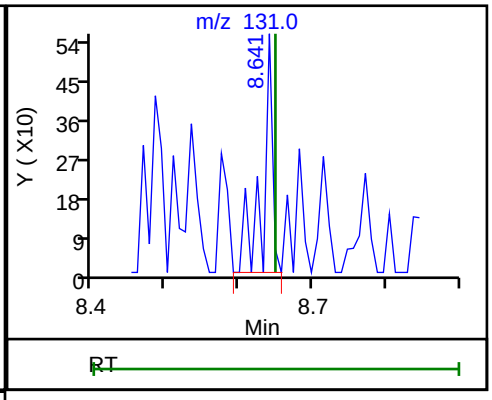
Eurofins TestAmerica, Edison

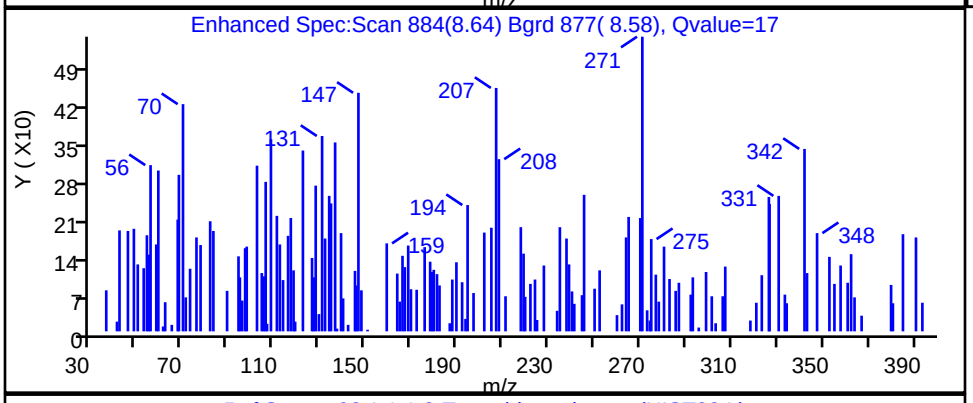
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

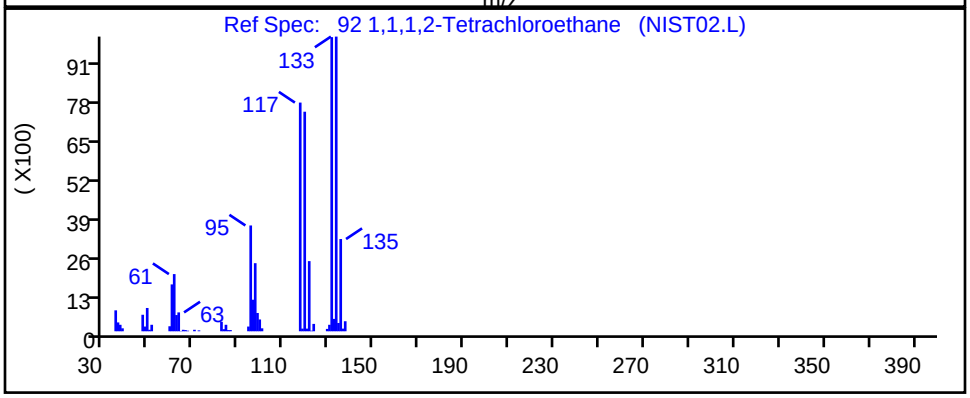
92 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results









RT	Mass	Response	Amount
8.64	131.00	506	0.121826

Reviewer: tupayachia, 11-Jul-2021 11:20:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

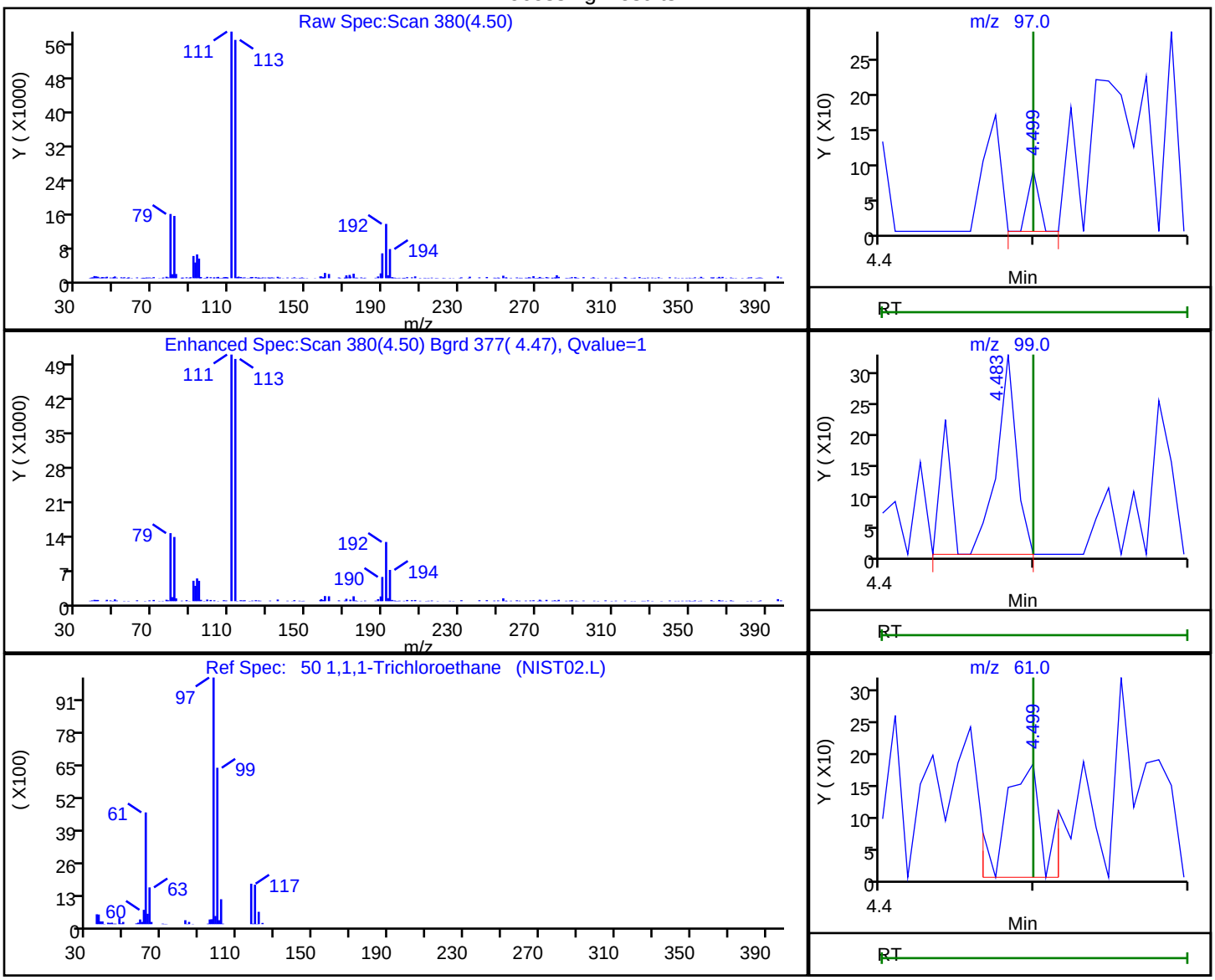
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

50 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results



RT	Mass	Response	Amount
4.50	97.00	43	0.005922
4.48	99.00	397	
4.50	61.00	313	

Reviewer: tupayachia, 11-Jul-2021 11:19:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

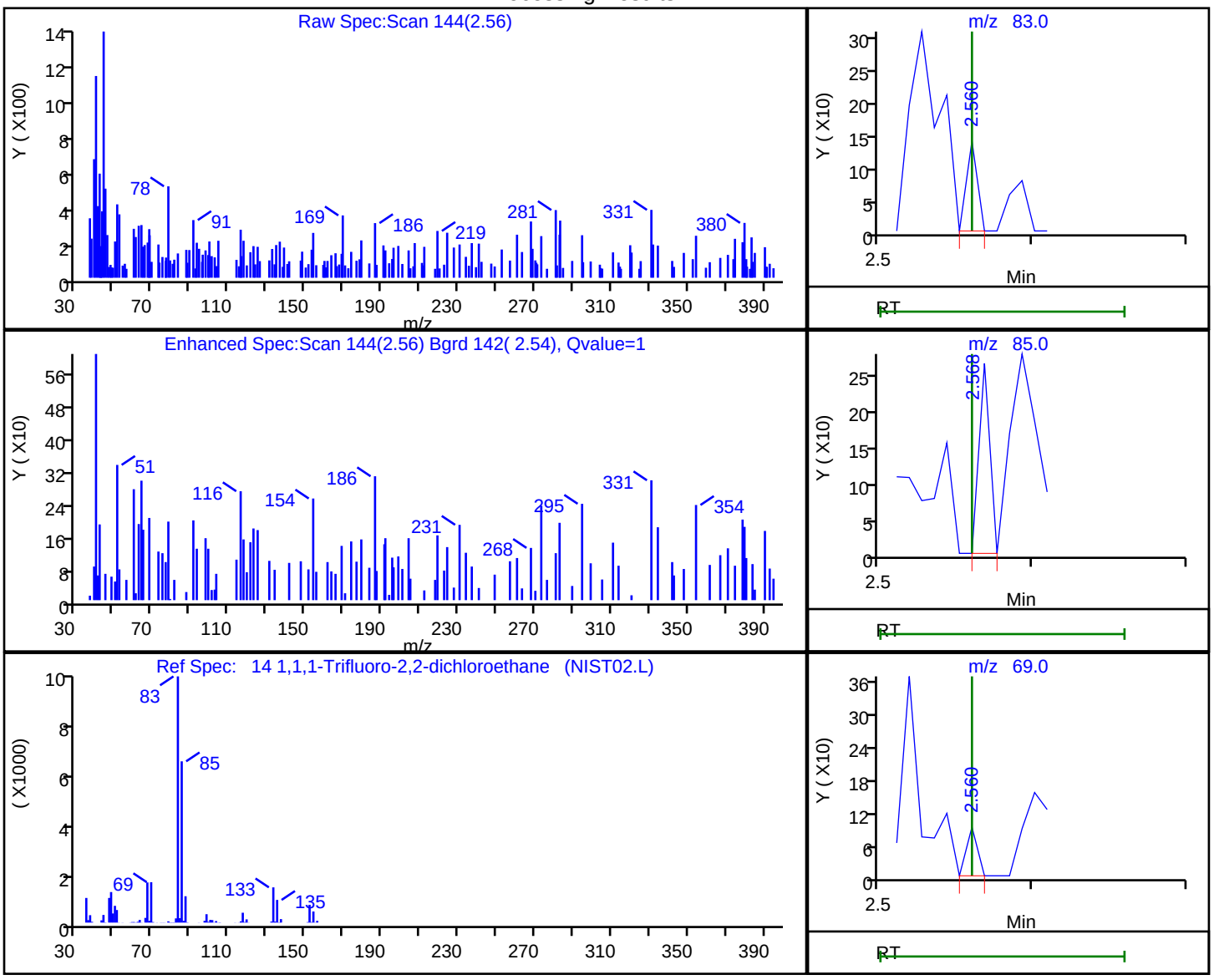
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Processing Results



RT	Mass	Response	Amount
2.56	83.00	67	0.012094
2.57	85.00	130	
2.56	69.00	44	
2.55	67.00	716	

Reviewer: tupayachia, 10-Jul-2021 12:07:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

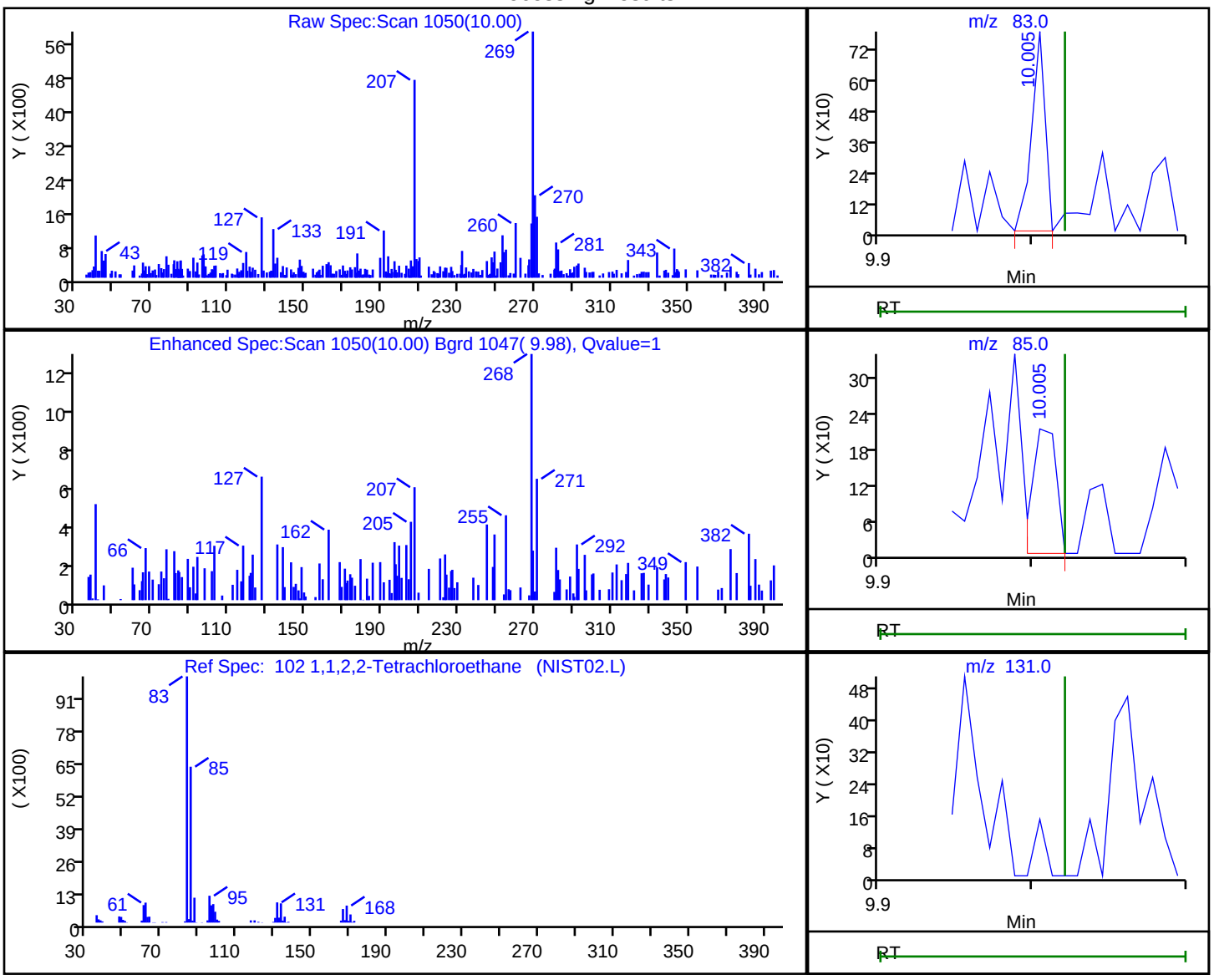
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

102 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
10.00	83.00	483	0.128519
10.00	85.00	231	
10.02	131.00	0	

Reviewer: tupayachia, 11-Jul-2021 11:21:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

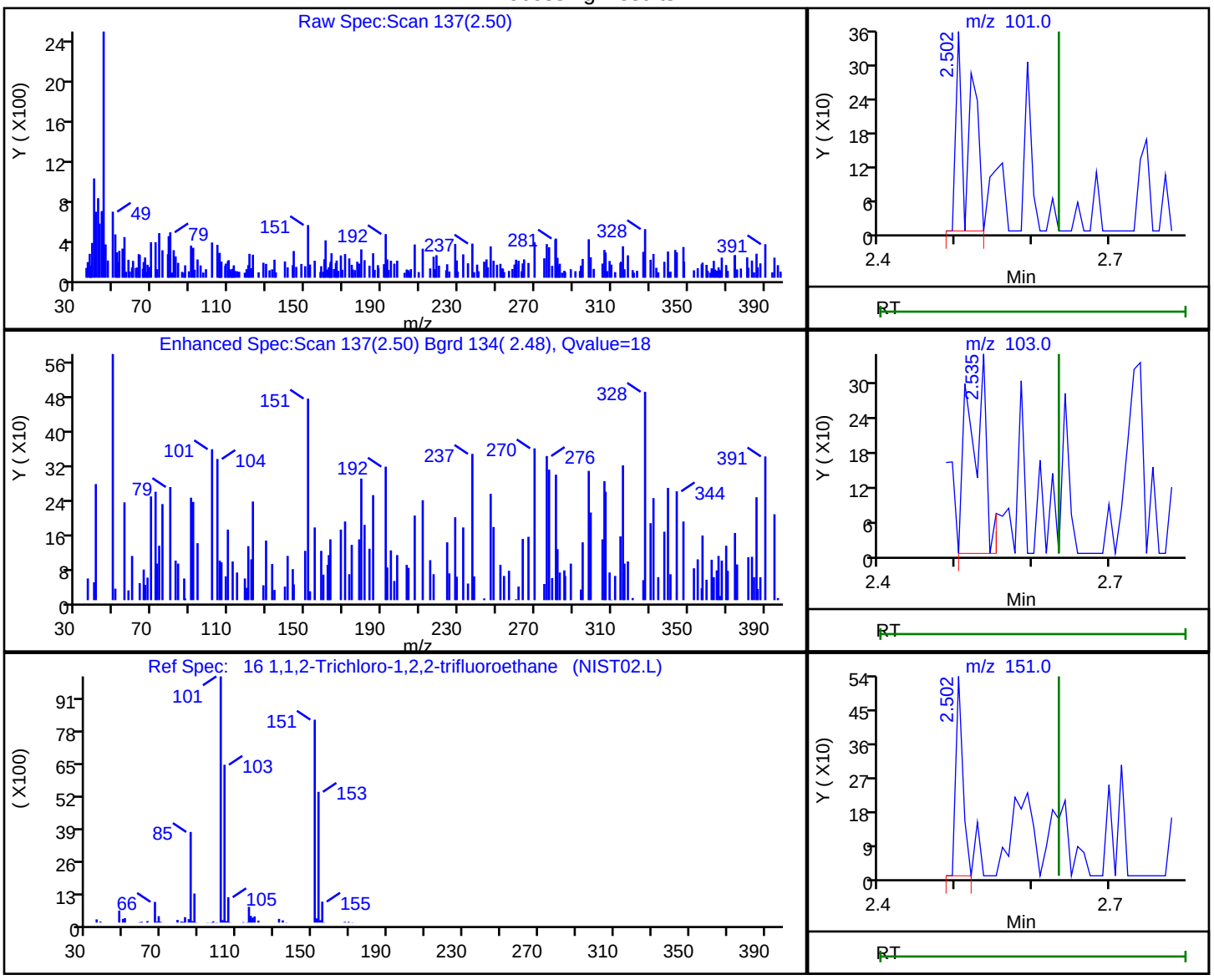
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
2.50	101.00	428	0.100130
2.54	103.00	524	
2.50	151.00	334	
2.52	85.00	282	

Reviewer: tupayachia, 11-Jul-2021 11:19:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

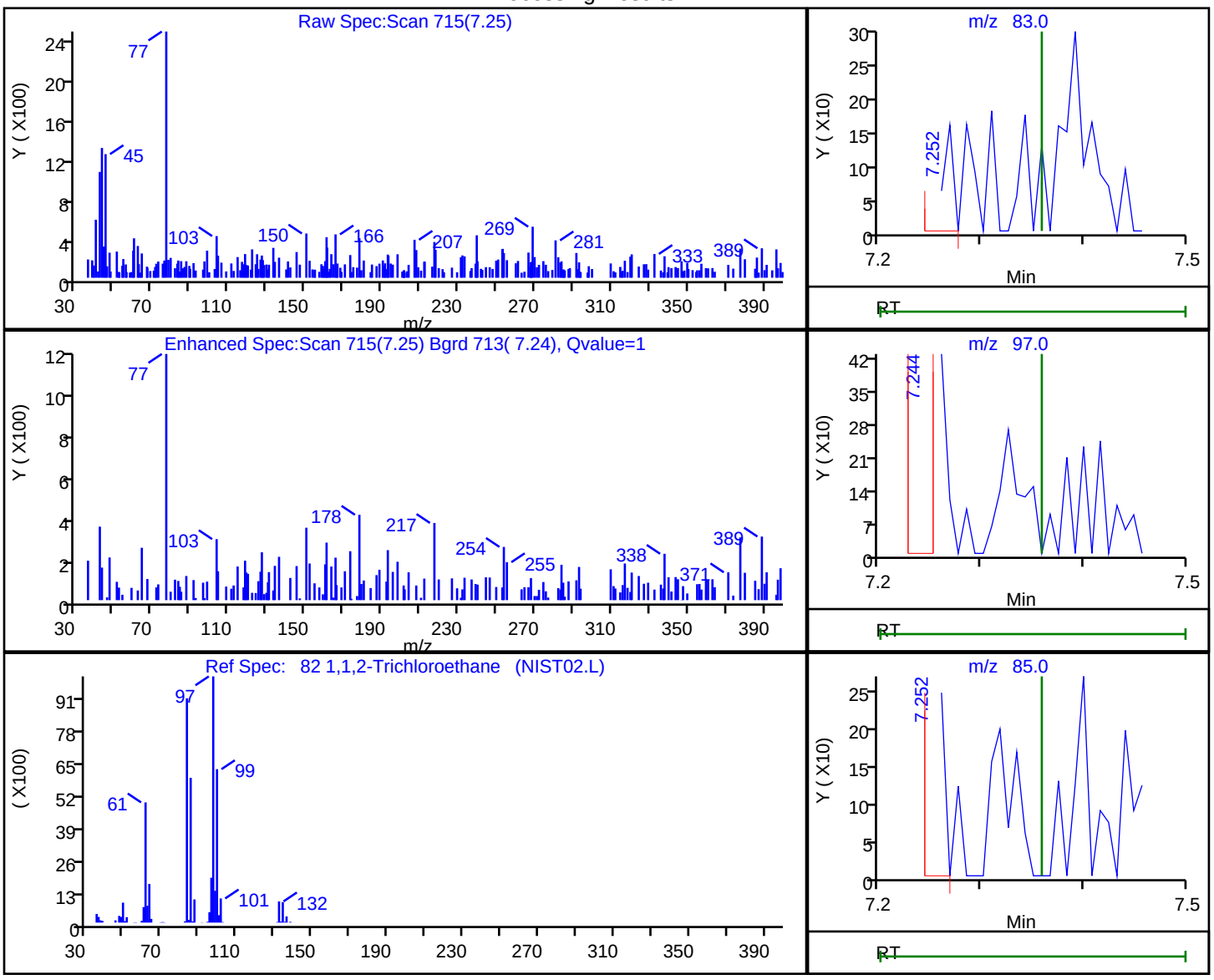
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.25	83.00	296	0.137522
7.24	97.00	434	
7.25	85.00	290	

Reviewer: tupayachia, 11-Jul-2021 11:20:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

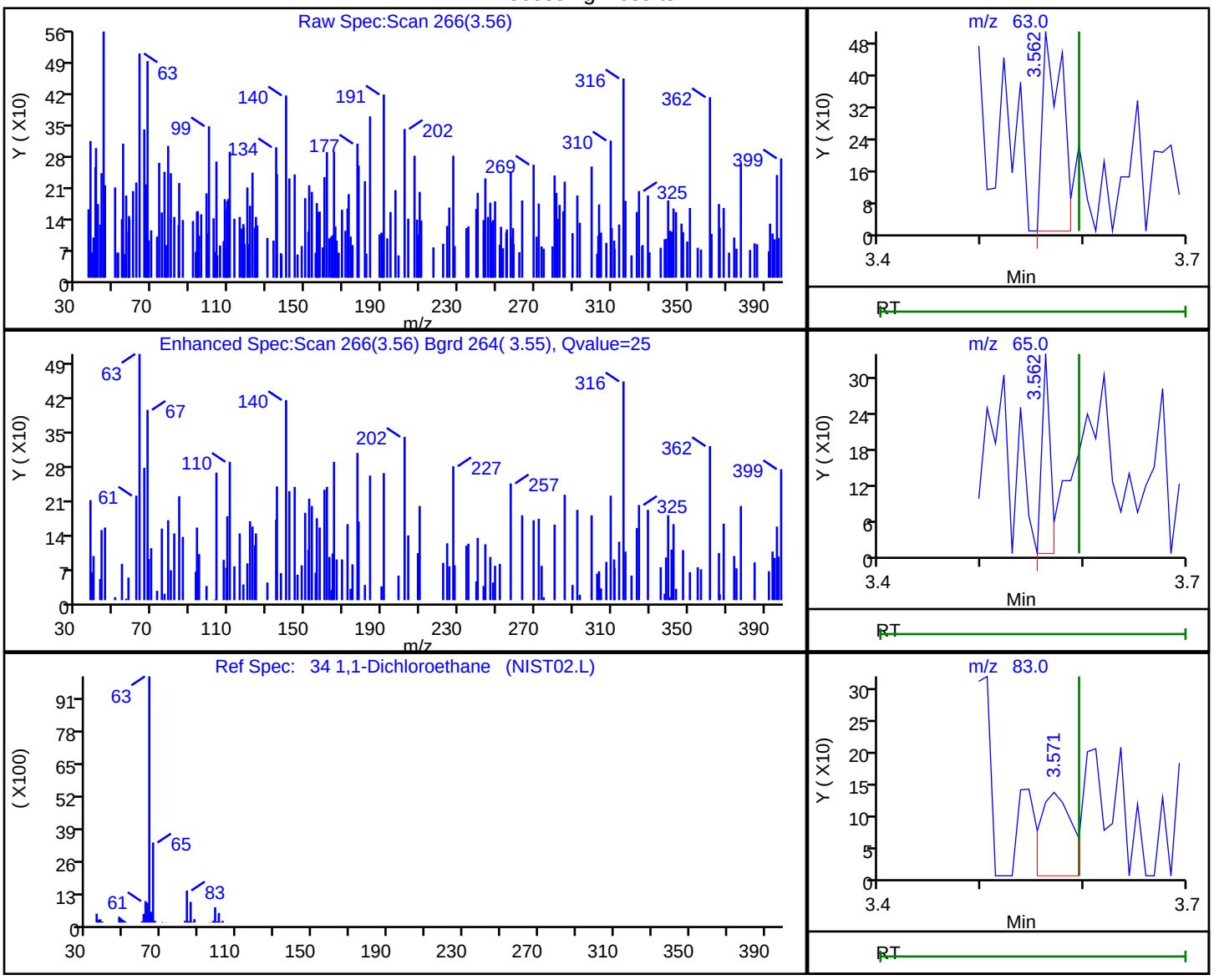
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
3.56	63.00	663	0.101806
3.56	65.00	189	
3.57	83.00	291	

Reviewer: tupayachia, 11-Jul-2021 11:19:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

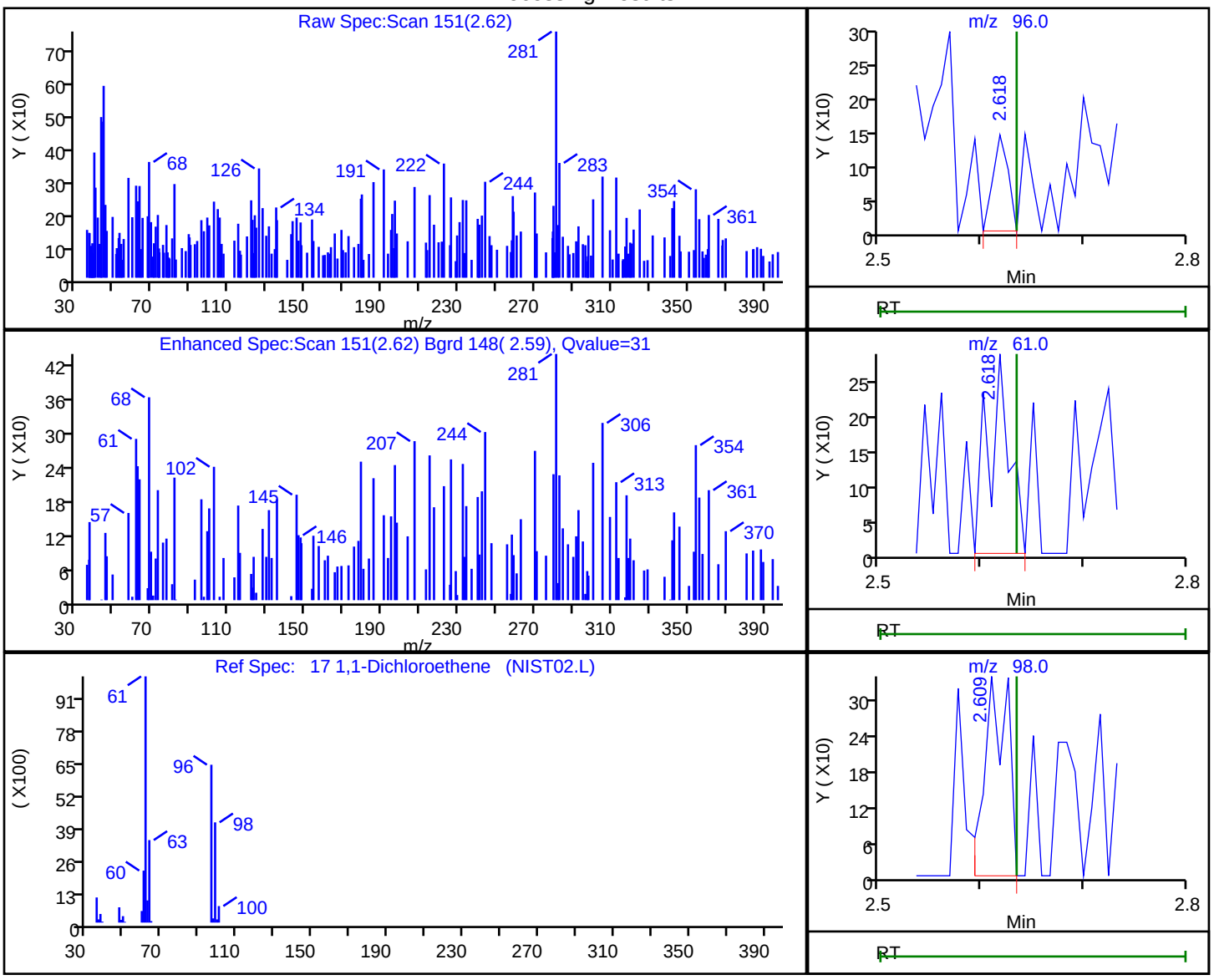
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

17 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
2.62	96.00	149	0.042946
2.62	61.00	406	
2.61	98.00	517	
2.62	63.00	430	

Reviewer: tupayachia, 11-Jul-2021 11:19:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

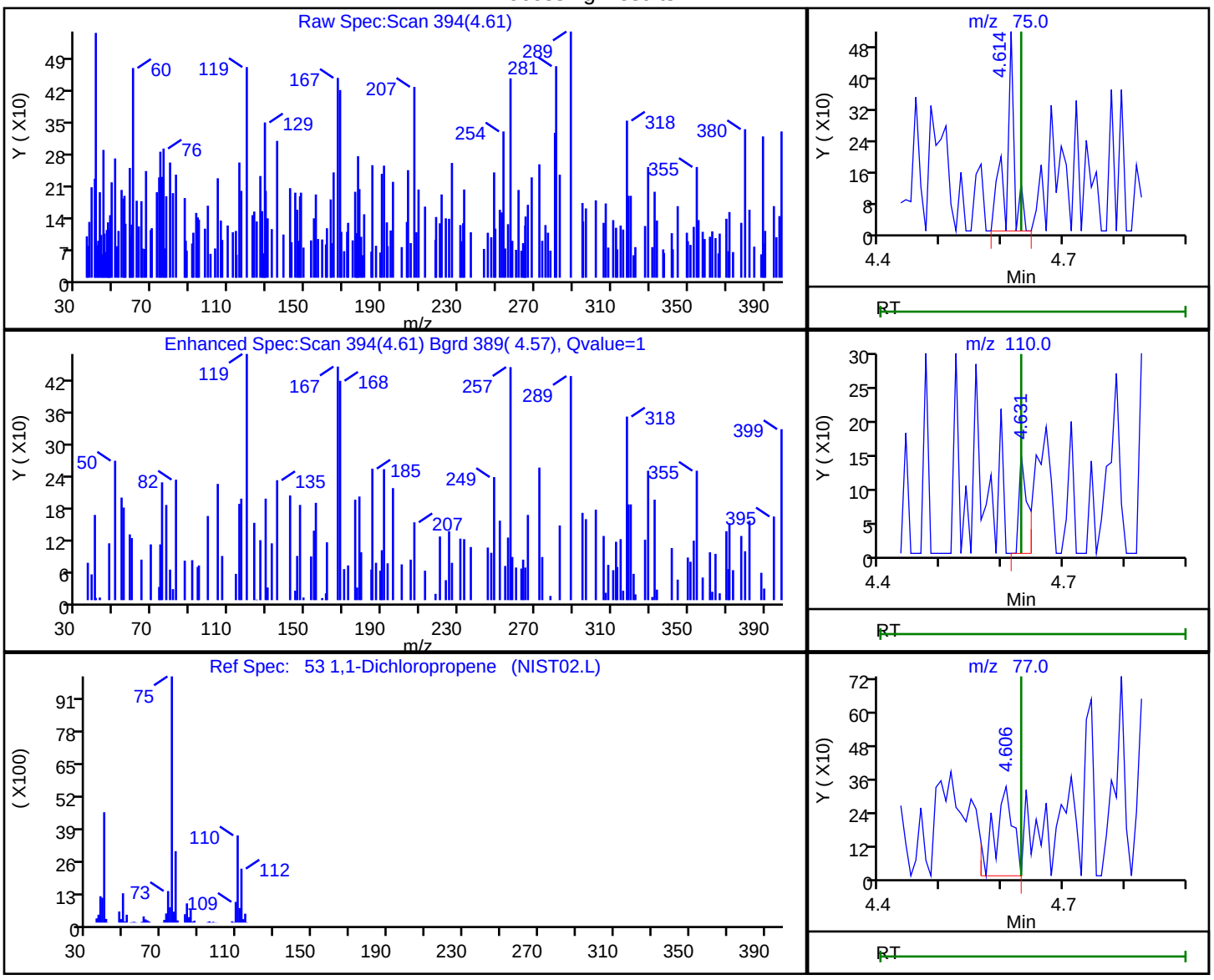
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

53 1,1-Dichloropropene, CAS: 563-58-6

Processing Results



RT	Mass	Response	Amount
4.61	75.00	470	0.098265
4.63	110.00	143	
4.61	77.00	664	

Reviewer: tupayachia, 11-Jul-2021 11:19:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

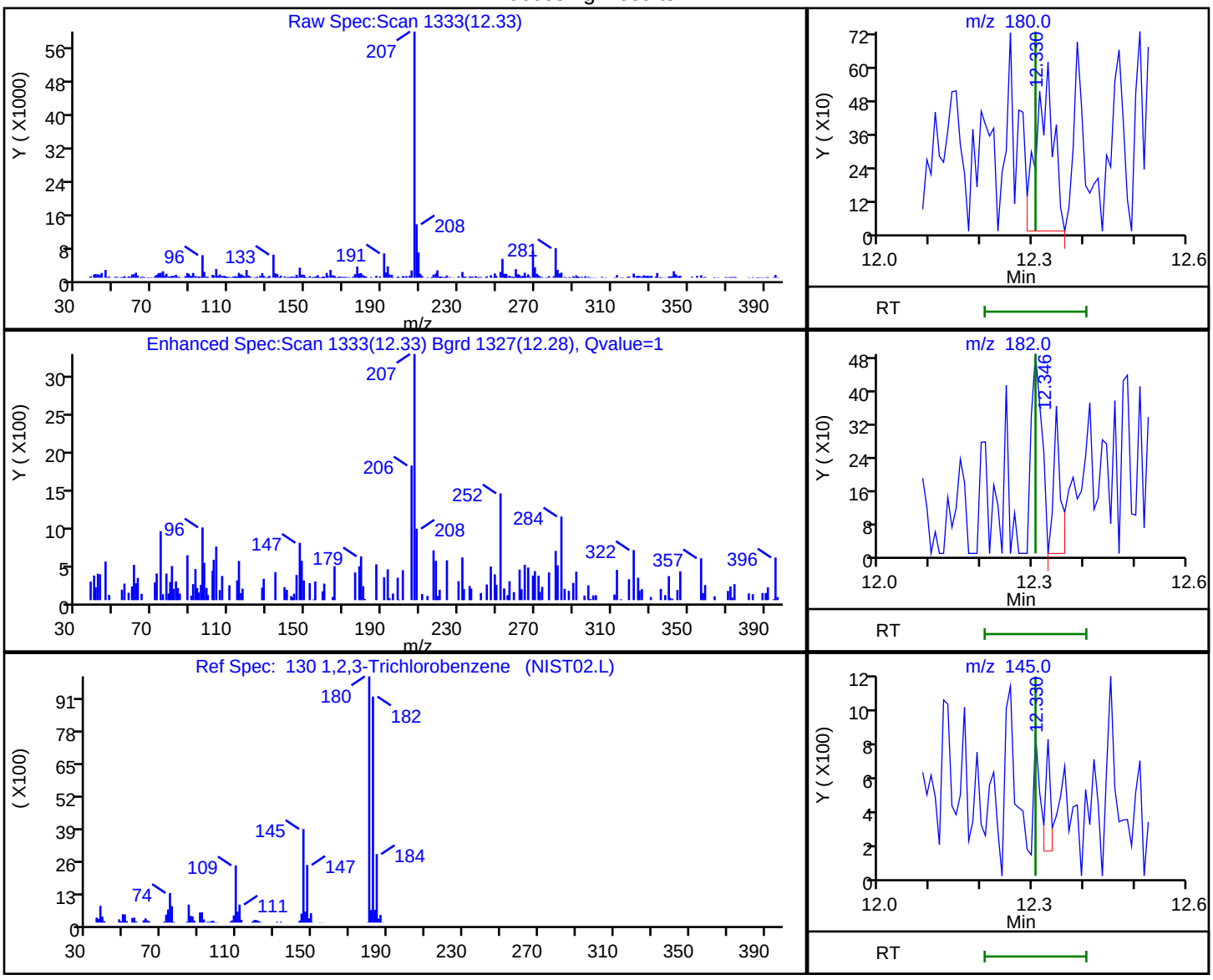
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

130 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
12.33	180.00	1404	0.198549
12.35	182.00	342	
12.33	145.00	462	

Reviewer: tupayachia, 11-Jul-2021 11:21:45

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

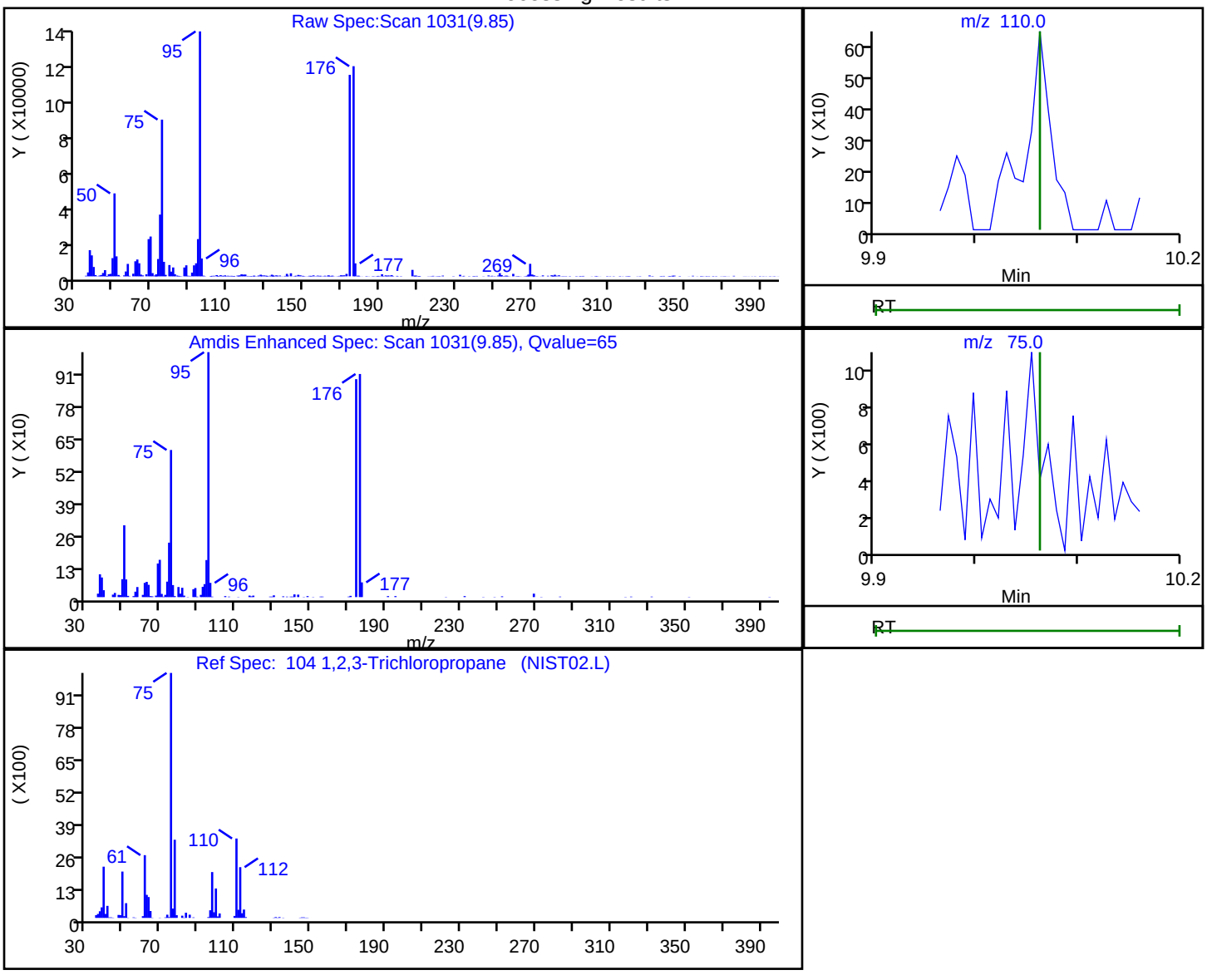
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
9.85	110.00	282	0.196718
9.85	75.00	118439	

Reviewer: tupayachia, 11-Jul-2021 11:21:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

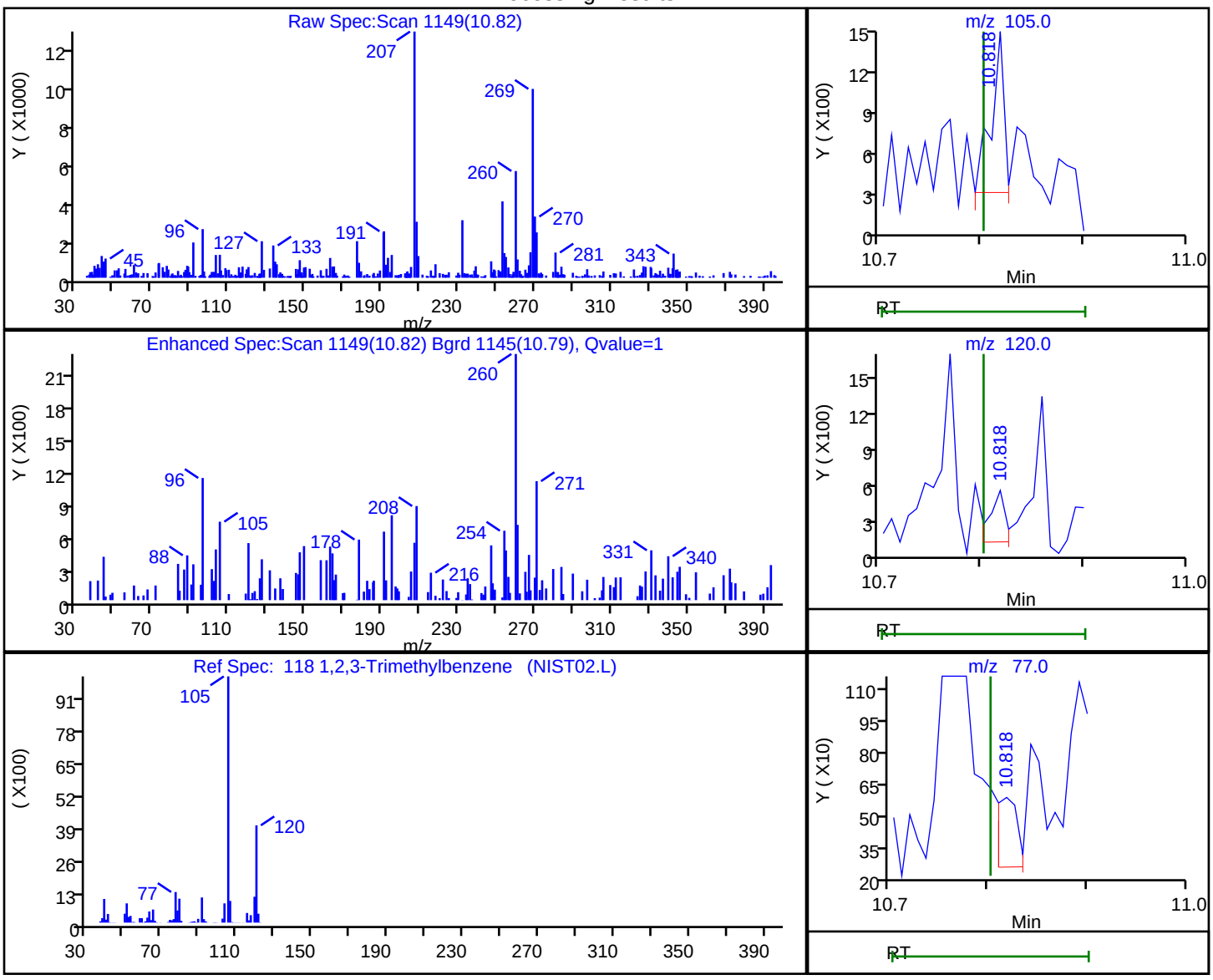
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

118 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.82	105.00	1043	0.058630
10.82	120.00	454	
10.82	77.00	490	

Reviewer: tupayachia, 11-Jul-2021 11:21:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

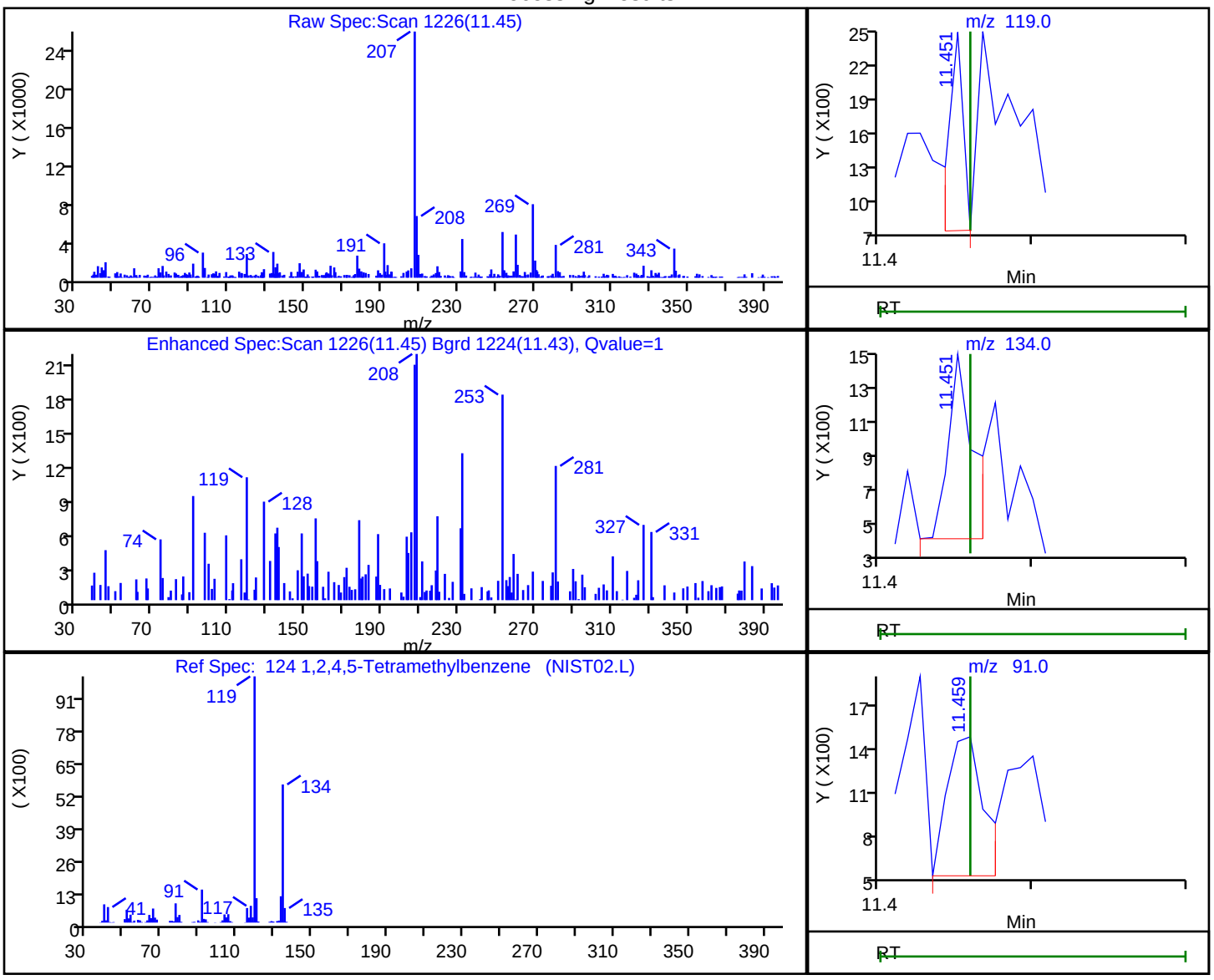
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

124 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
11.45	119.00	1103	0.058838
11.45	134.00	1139	
11.46	91.00	1610	

Reviewer: baronm, 14-Jul-2021 20:45:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

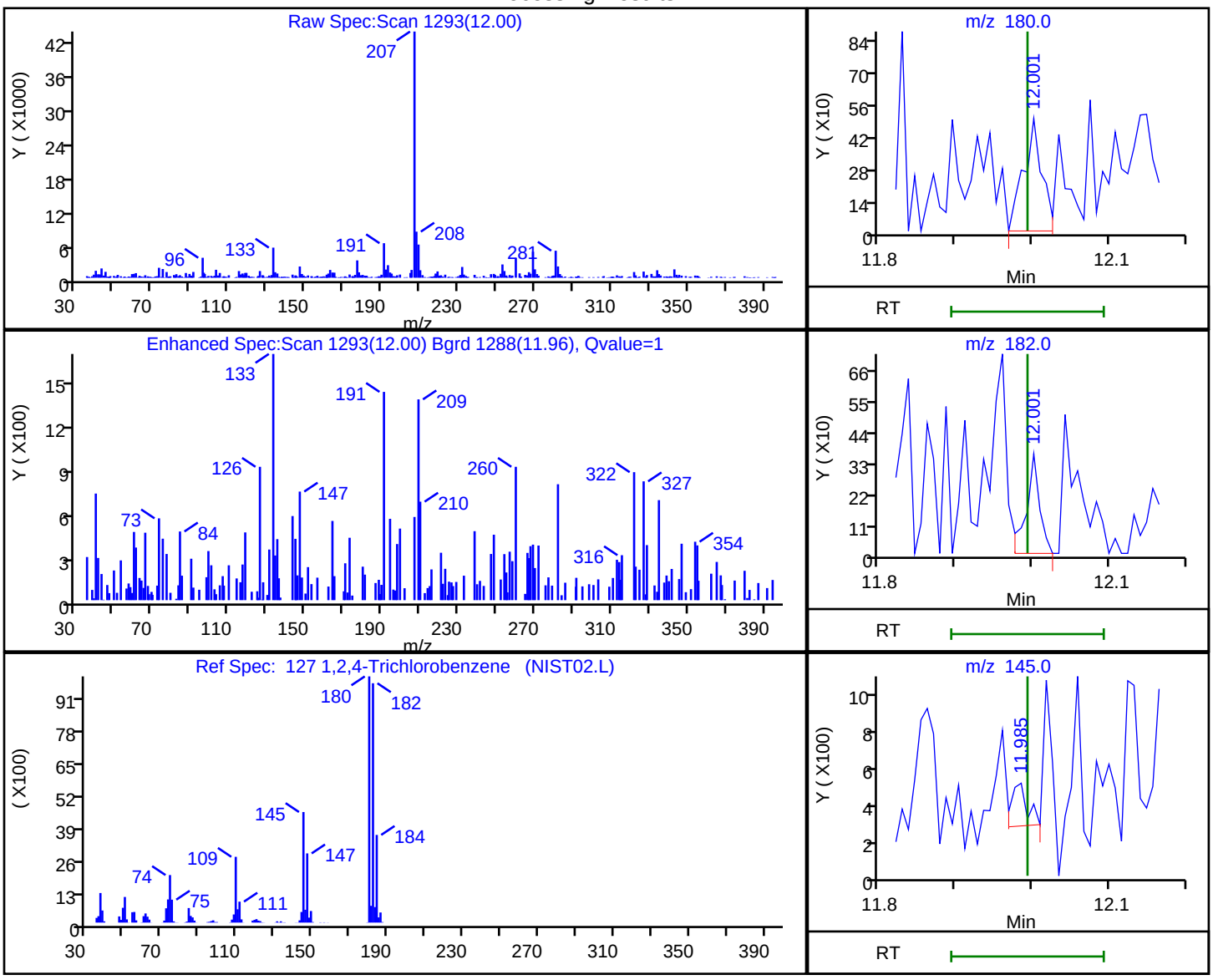
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

127 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
12.00	180.00	829	0.103280
12.00	182.00	431	
11.98	145.00	324	

Reviewer: tupayachia, 11-Jul-2021 11:21:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

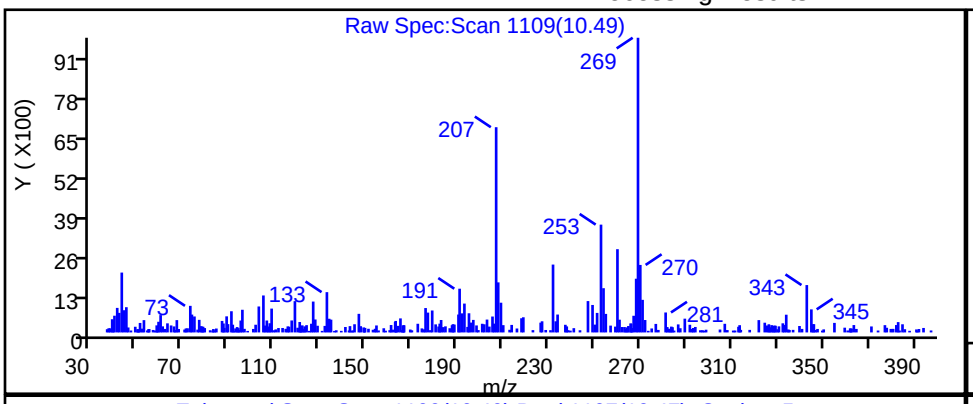
User Disabled Compound Report

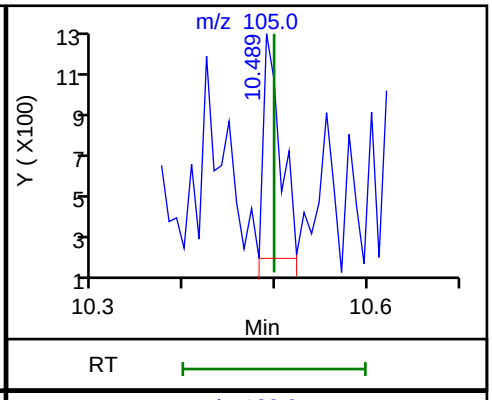
Eurofins TestAmerica, Edison

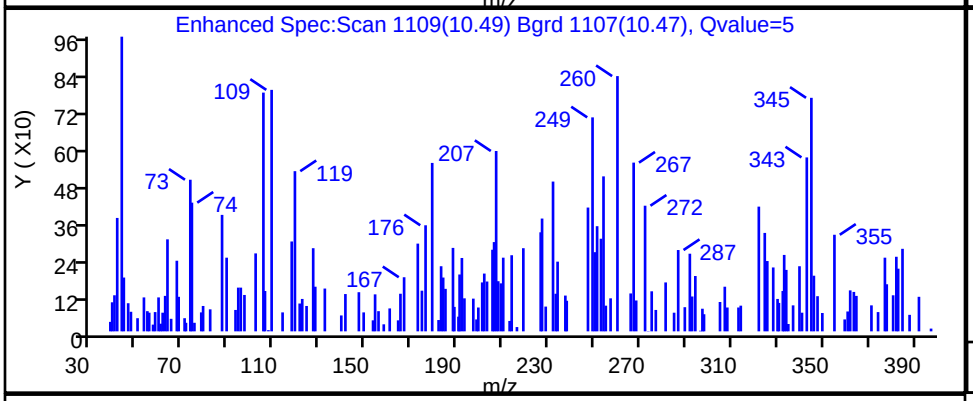
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

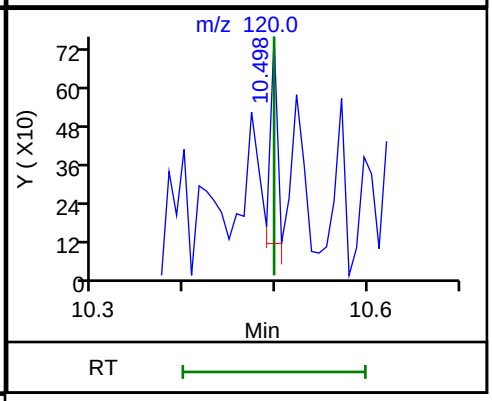
112 1,2,4-Trimethylbenzene, CAS: 95-63-6

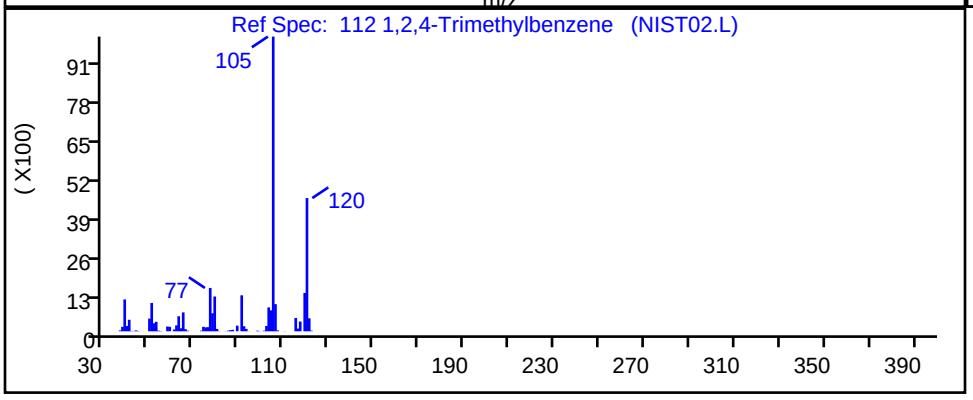
Processing Results











RT	Mass	Response	Amount
10.49	105.00	1278	0.075943
10.50	120.00	352	

Reviewer: tupayachia, 11-Jul-2021 11:21:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

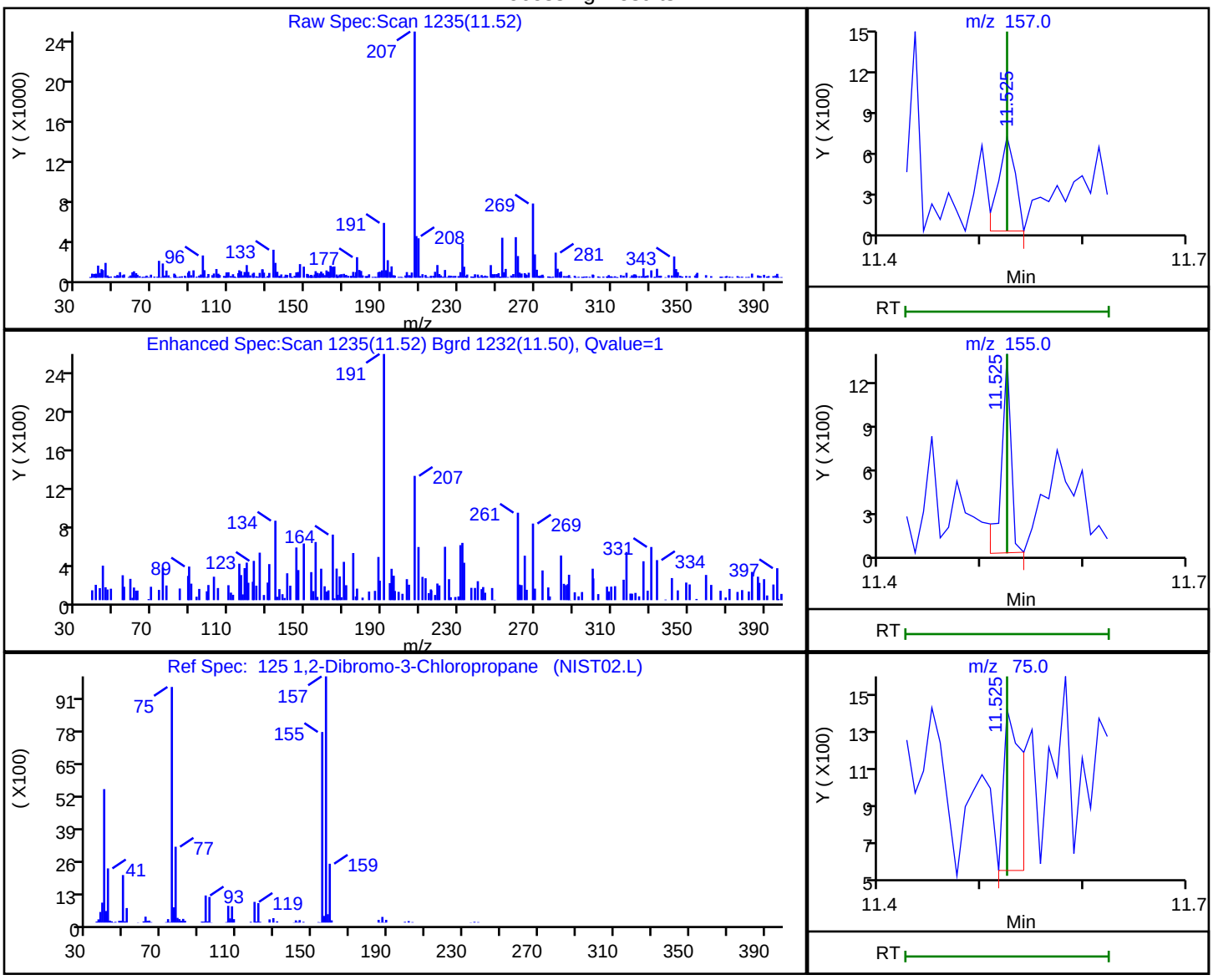
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

125 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
11.52	157.00	767	-0.656305
11.52	155.00	824	
11.52	75.00	1018	

Reviewer: tupayachia, 11-Jul-2021 11:21:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

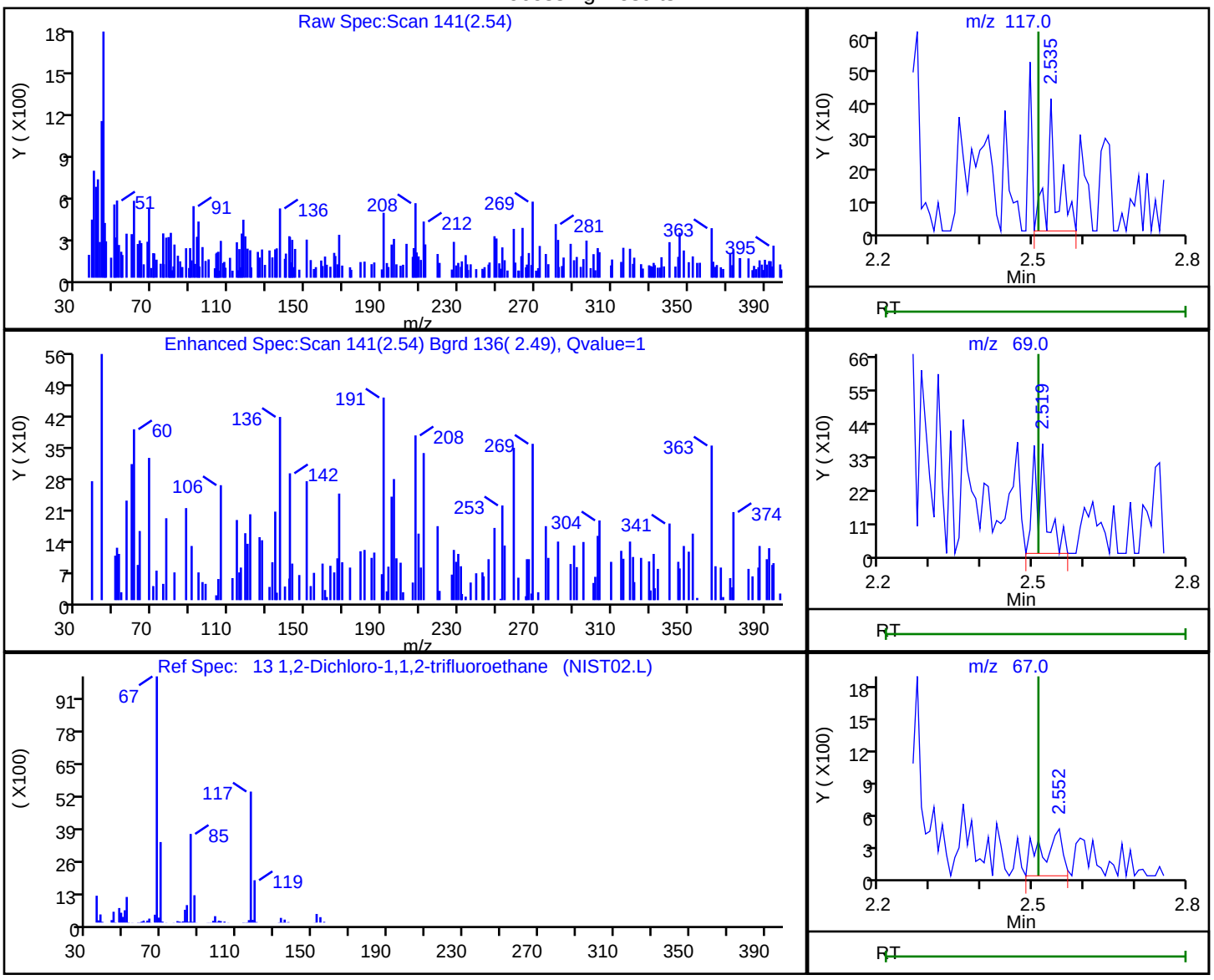
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

13 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Processing Results



RT	Mass	Response	Amount
2.54	117.00	549	0.138644
2.52	69.00	594	
2.55	67.00	1234	
2.53	119.00	261	

Reviewer: tupayachia, 10-Jul-2021 12:07:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

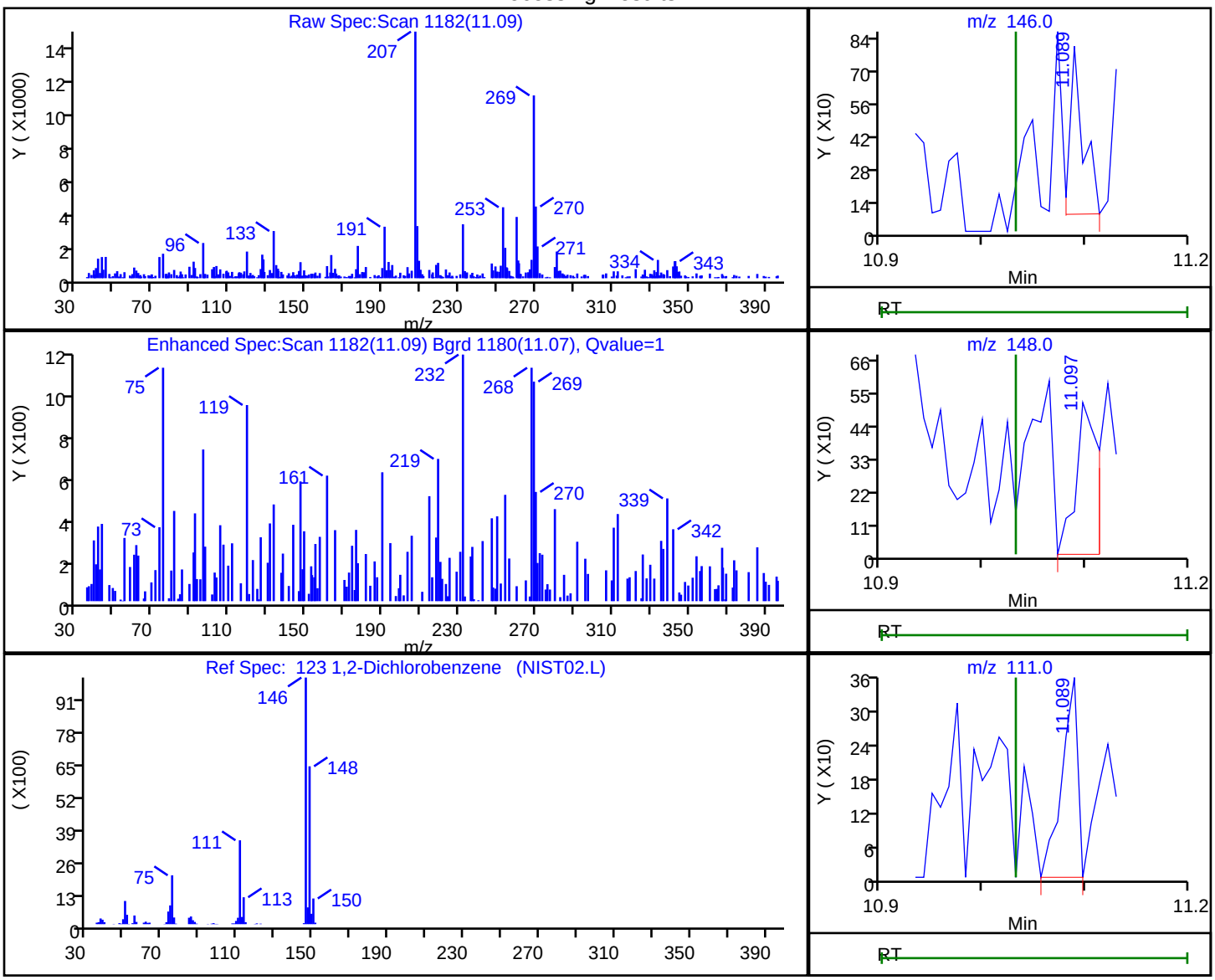
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

123 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.09	146.00	661	0.062960
11.10	148.00	764	
11.09	111.00	384	

Reviewer: tupayachia, 11-Jul-2021 11:21:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

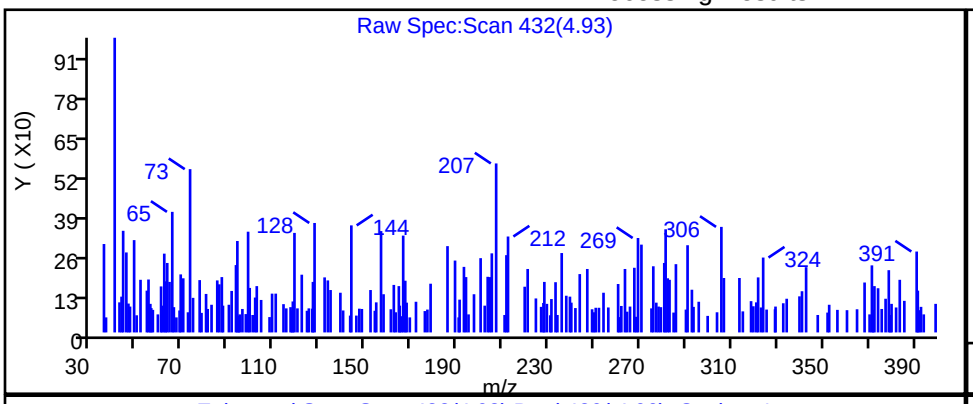
User Disabled Compound Report

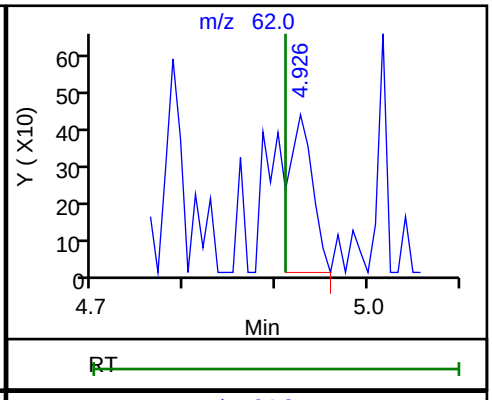
Eurofins TestAmerica, Edison

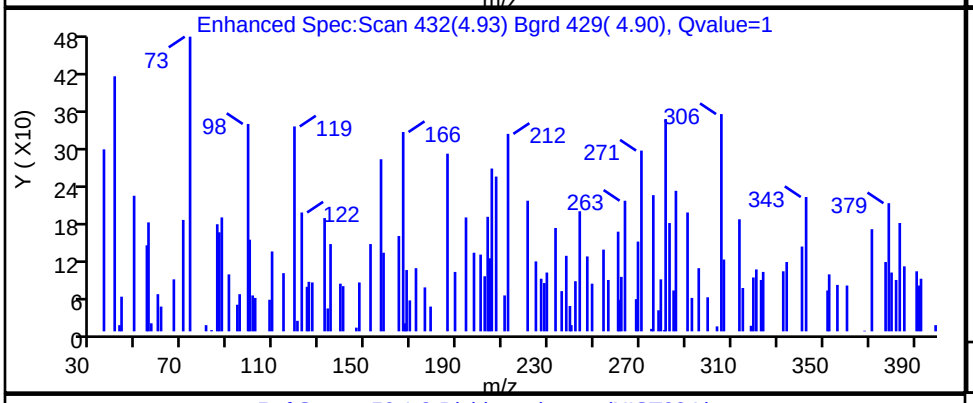
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

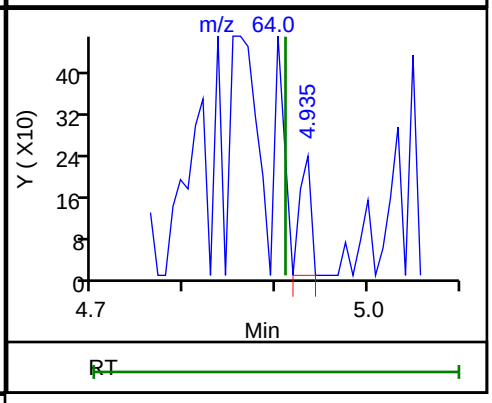
59 1,2-Dichloroethane, CAS: 107-06-2

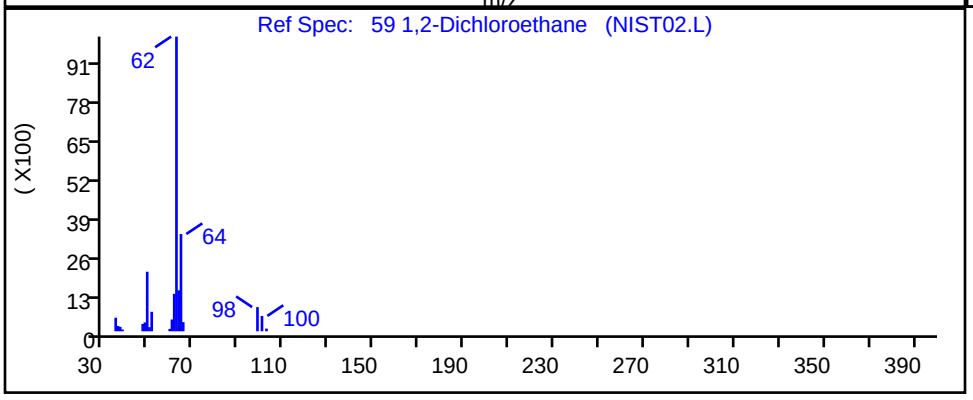
Processing Results











RT	Mass	Response	Amount
4.93	62.00	784	0.118144
4.93	64.00	197	

Reviewer: tupayachia, 11-Jul-2021 11:20:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

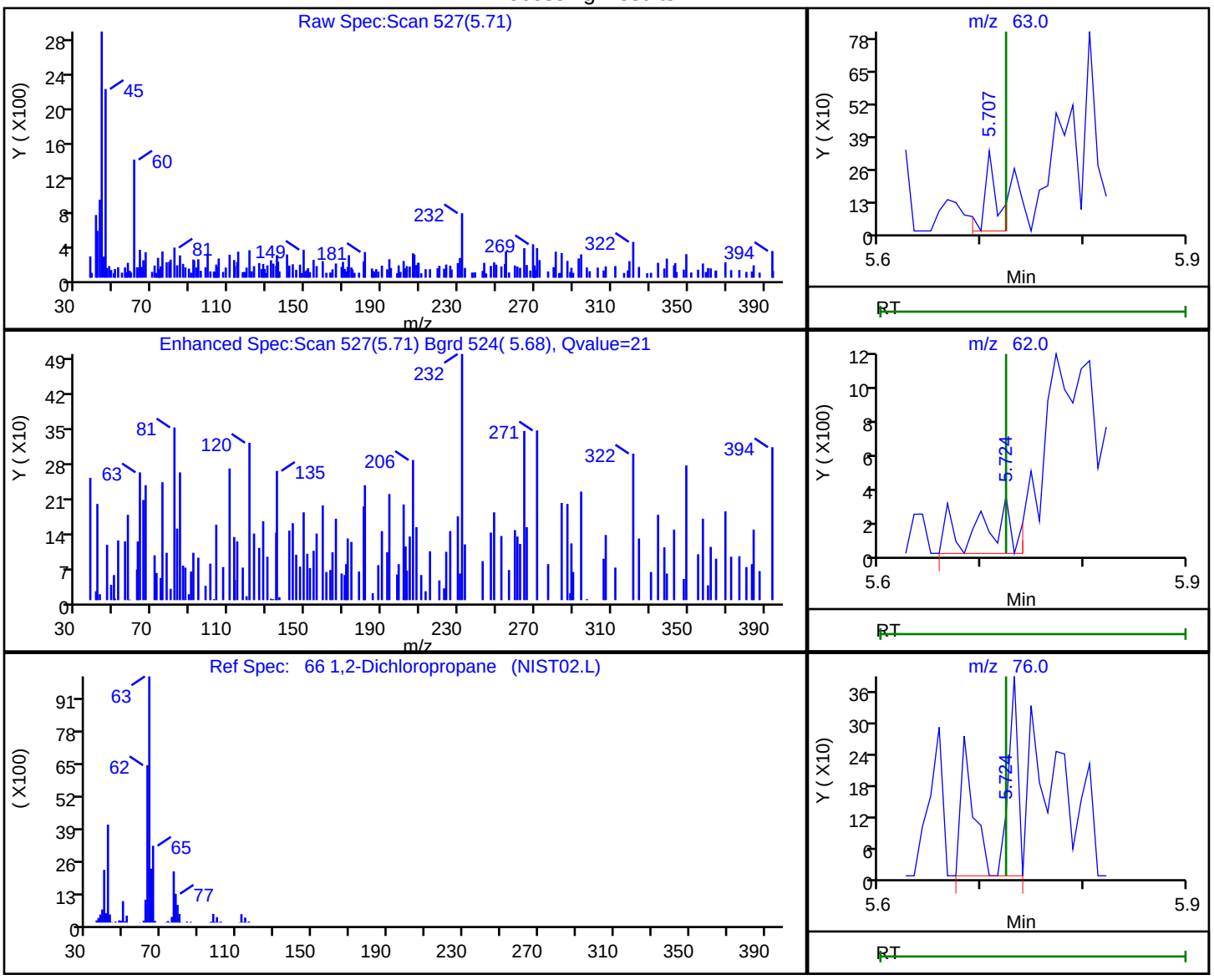
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

66 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
5.71	63.00	272	0.086012
5.72	62.00	689	
5.72	76.00	489	
5.71	112.00	321	

Reviewer: tupayachia, 11-Jul-2021 11:20:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

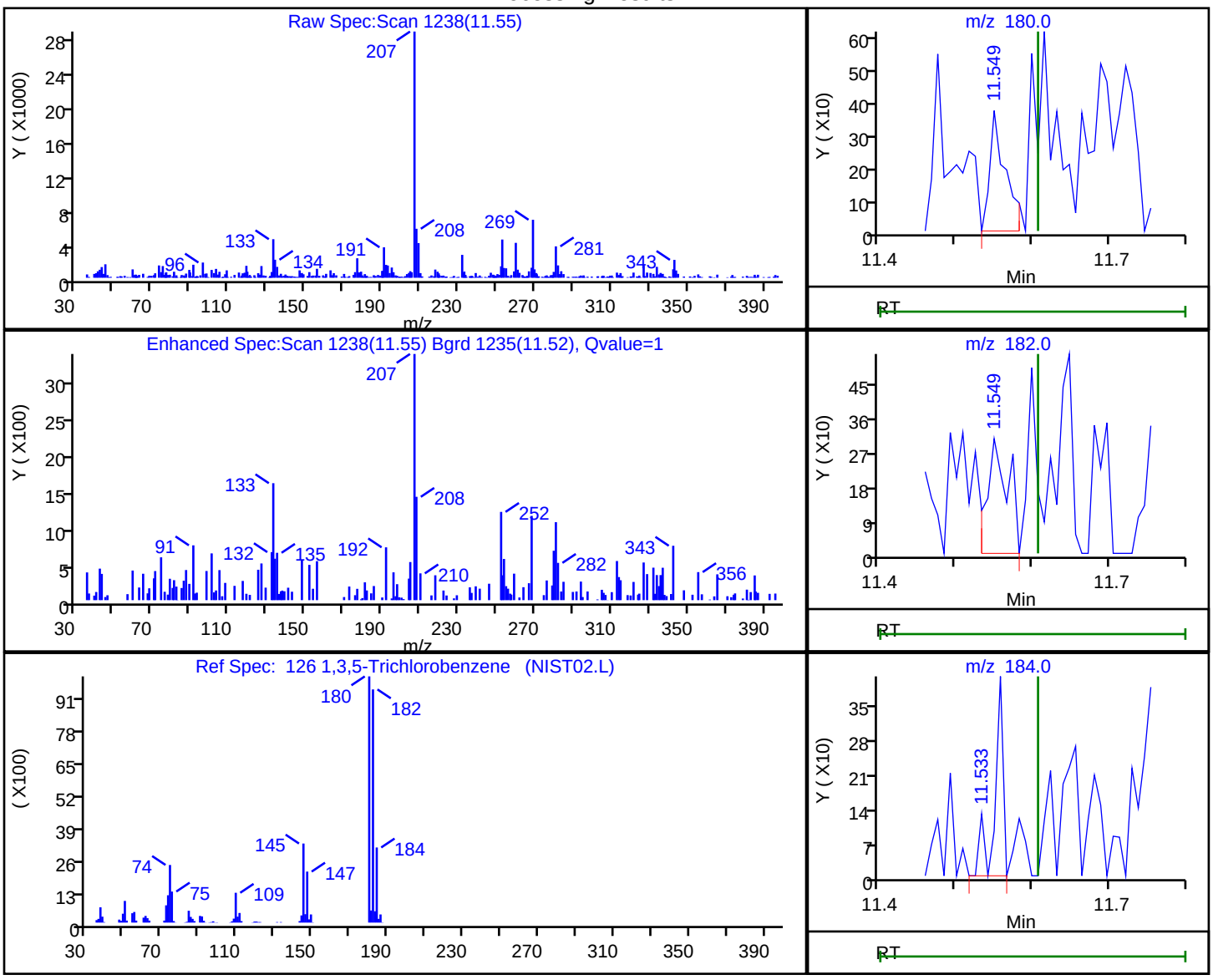
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

126 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
11.55	180.00	534	0.061348
11.55	182.00	576	
11.53	184.00	309	

Reviewer: baronm, 14-Jul-2021 20:46:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

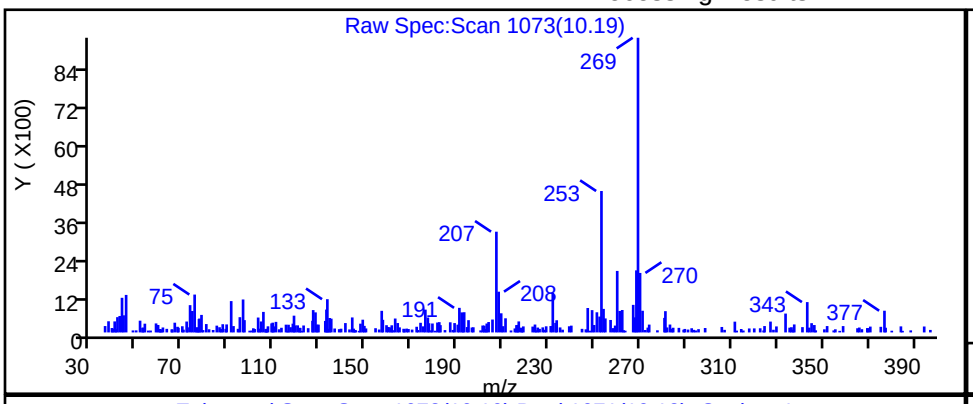
User Disabled Compound Report

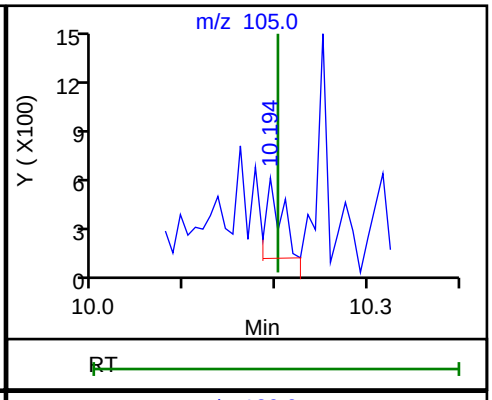
Eurofins TestAmerica, Edison

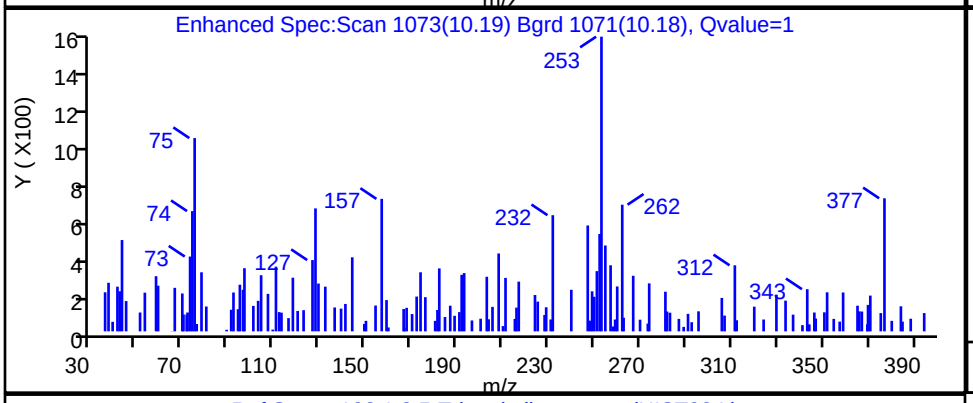
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

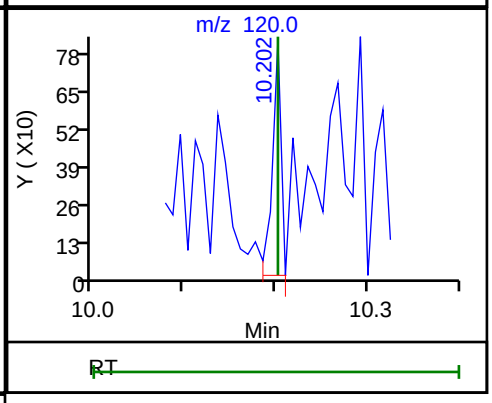
108 1,3,5-Trimethylbenzene, CAS: 108-67-8

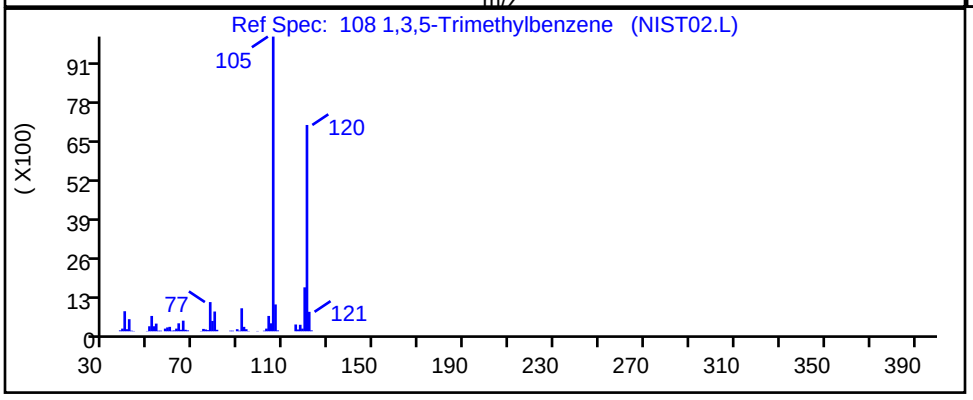
Processing Results











RT	Mass	Response	Amount
10.19	105.00	546	0.033284
10.20	120.00	544	

Reviewer: tupayachia, 11-Jul-2021 11:21:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

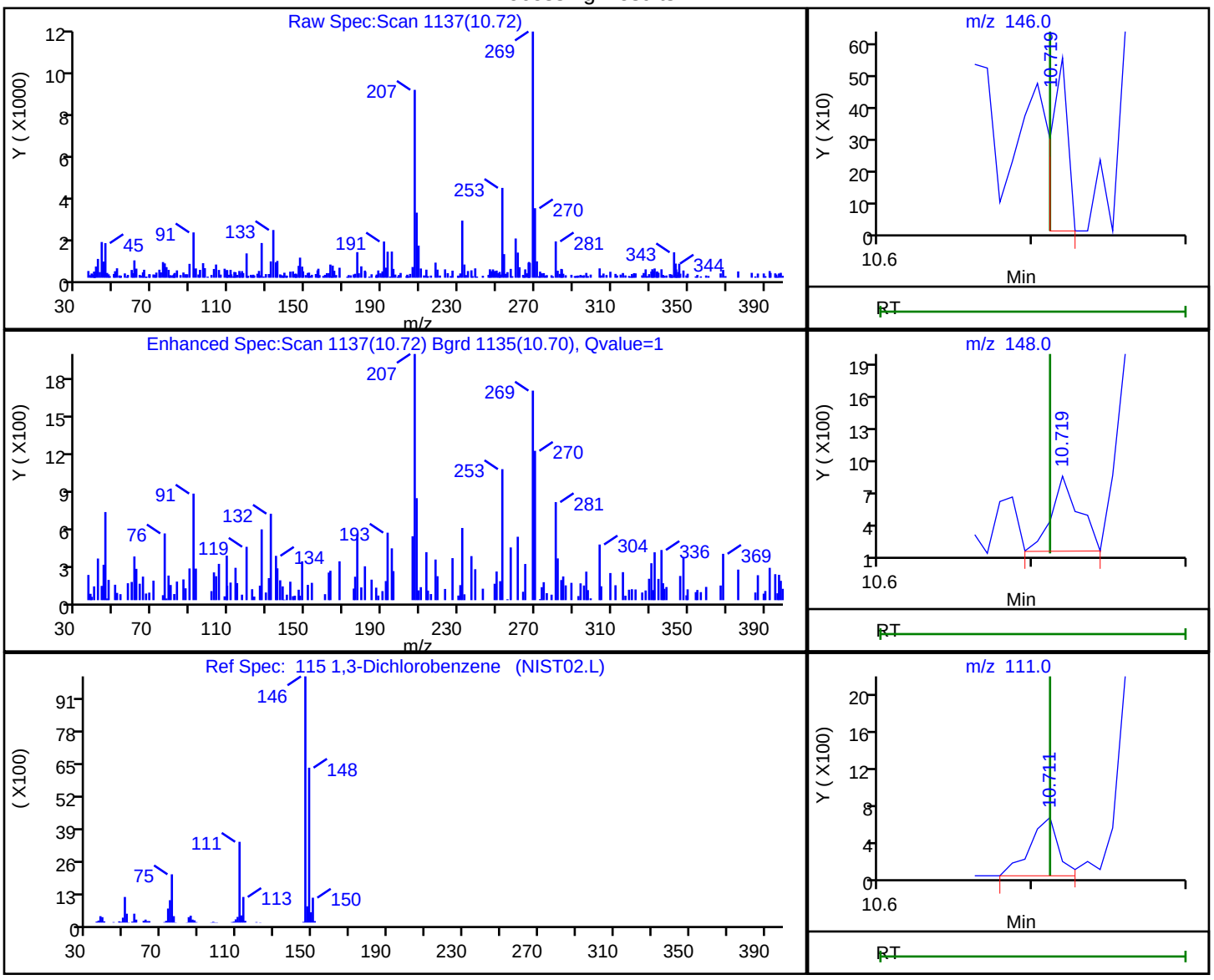
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

115 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.72	146.00	419	0.041057
10.72	148.00	872	
10.71	111.00	834	

Reviewer: tupayachia, 11-Jul-2021 11:21:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

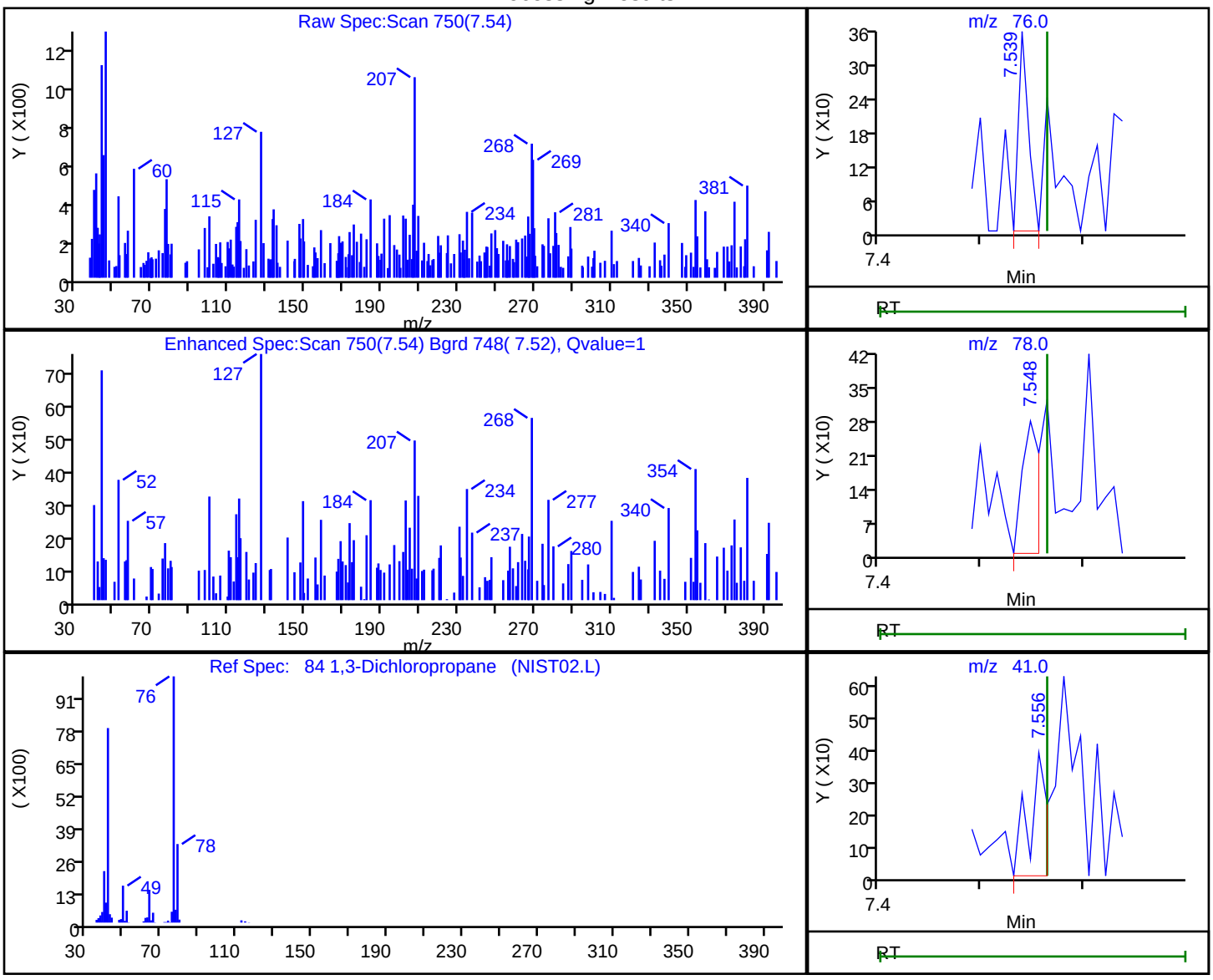
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

84 1,3-Dichloropropane, CAS: 142-28-9

Processing Results



RT	Mass	Response	Amount
7.54	76.00	240	0.053347
7.55	78.00	325	
7.56	41.00	454	

Reviewer: tupayachia, 11-Jul-2021 11:20:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

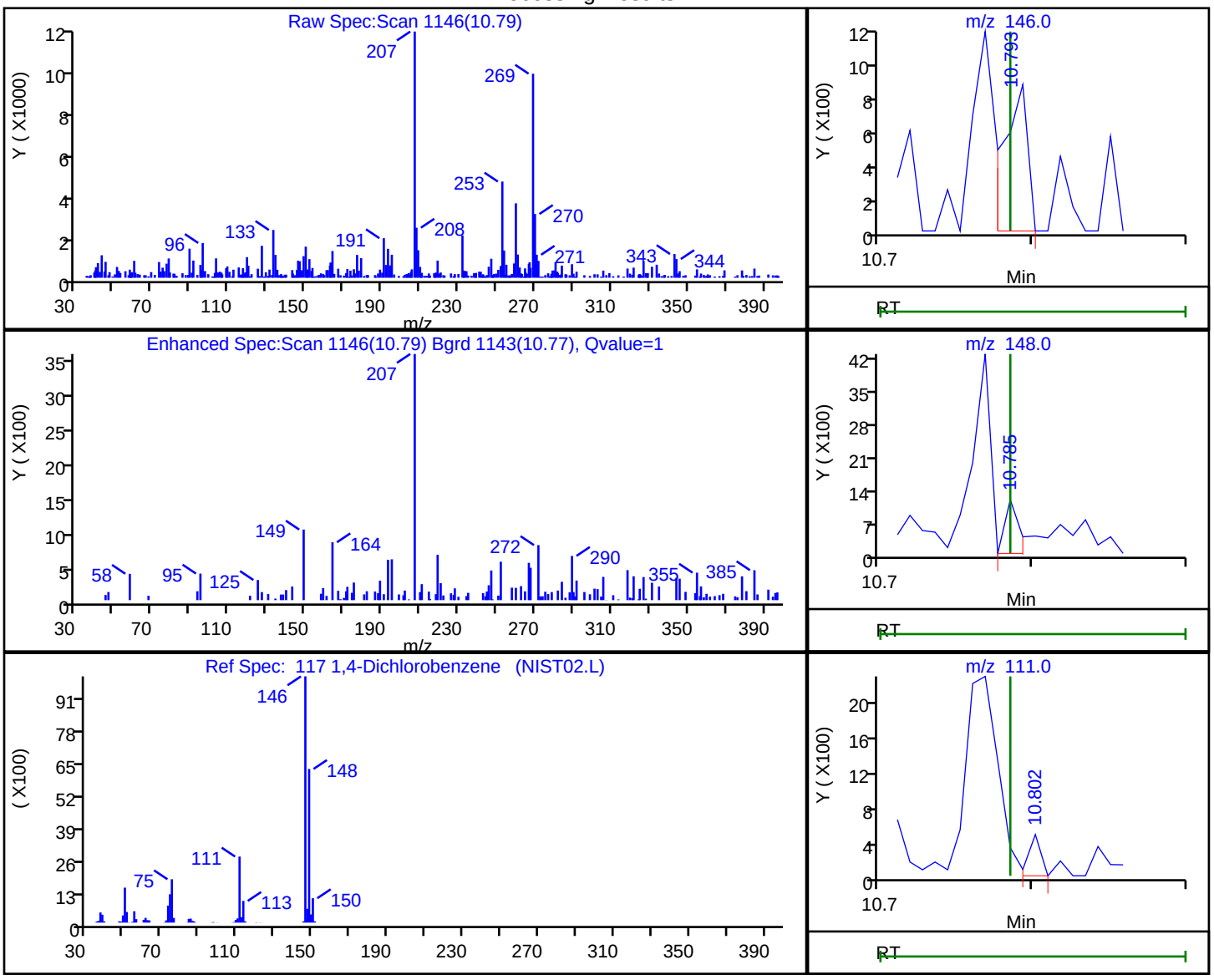
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

117 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.79	146.00	888	0.089333
10.79	148.00	745	
10.80	111.00	266	

Reviewer: tupayachia, 11-Jul-2021 11:21:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

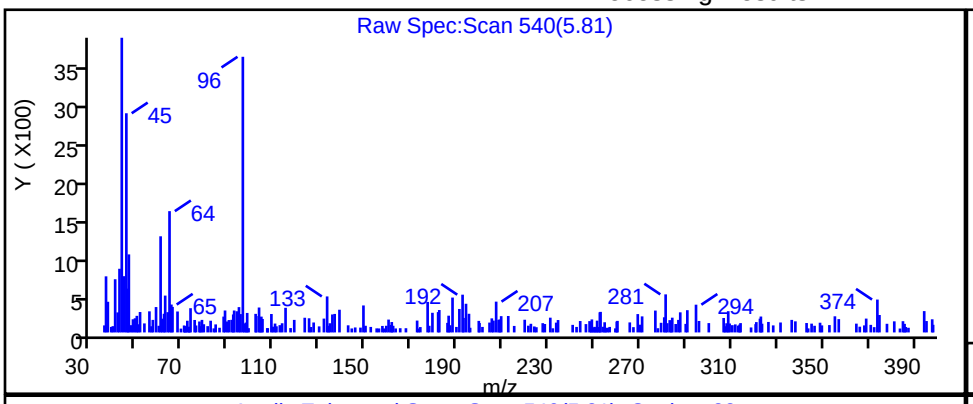
User Disabled Compound Report

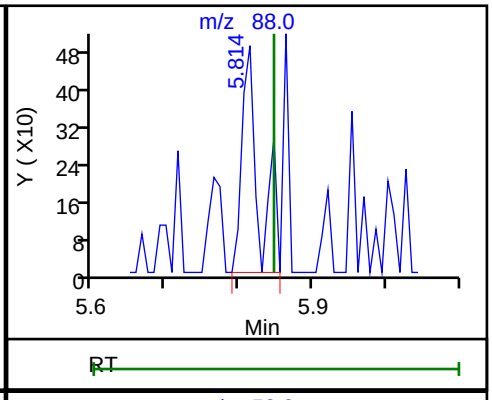
Eurofins TestAmerica, Edison

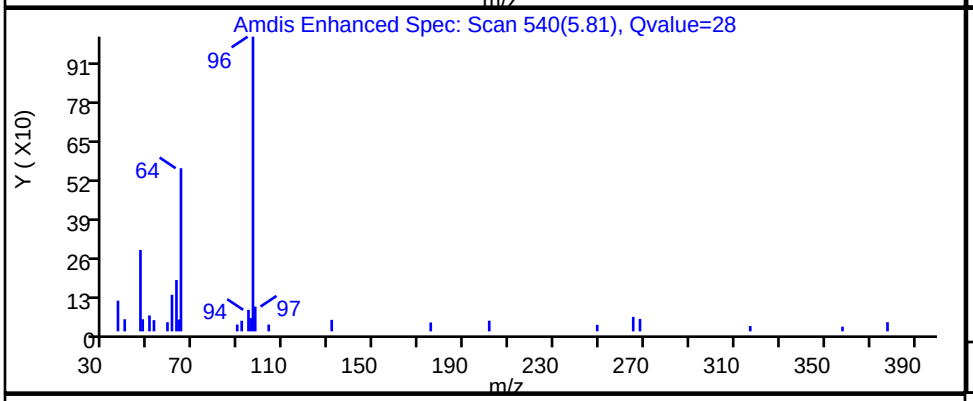
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

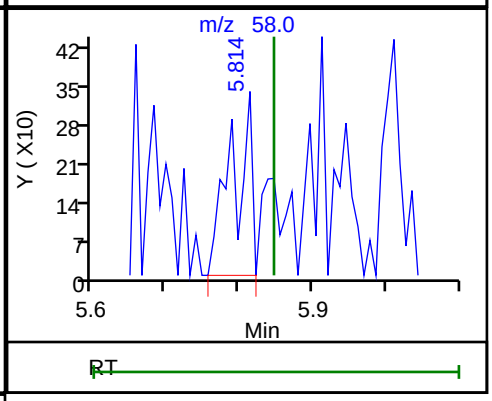
69 1,4-Dioxane, CAS: 123-91-1

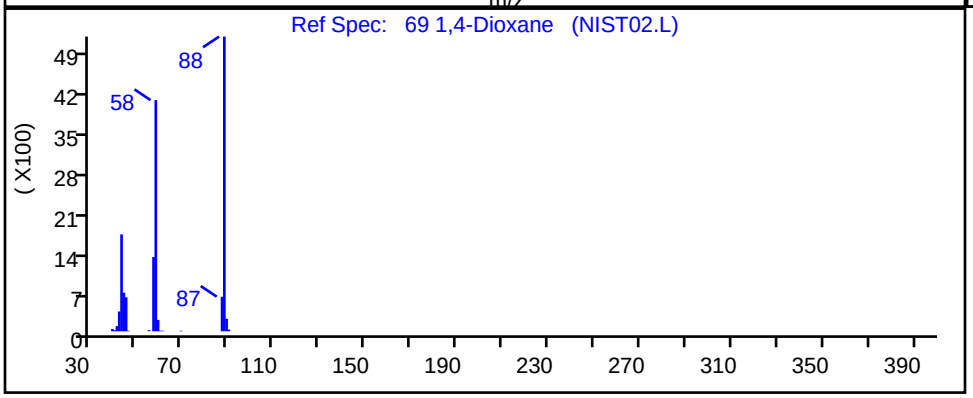
Processing Results











RT	Mass	Response	Amount
5.81	88.00	786	24.741632
5.81	58.00	617	

Reviewer: tupayachia, 11-Jul-2021 11:20:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

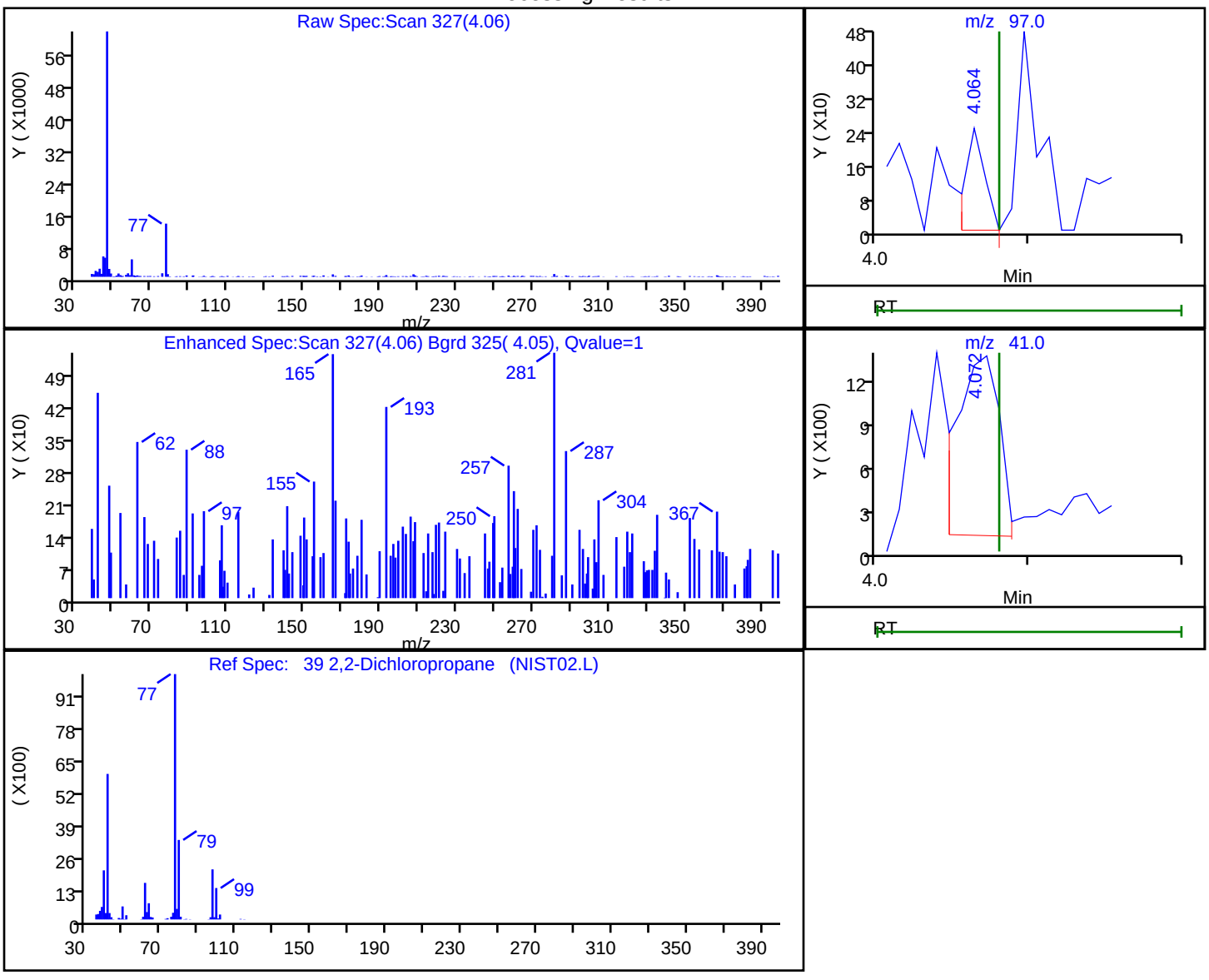
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

39 2,2-Dichloropropane, CAS: 594-20-7

Processing Results



RT	Mass	Response	Amount
4.06	97.00	217	0.159156
4.07	41.00	2370	

Reviewer: tupayachia, 11-Jul-2021 11:19:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

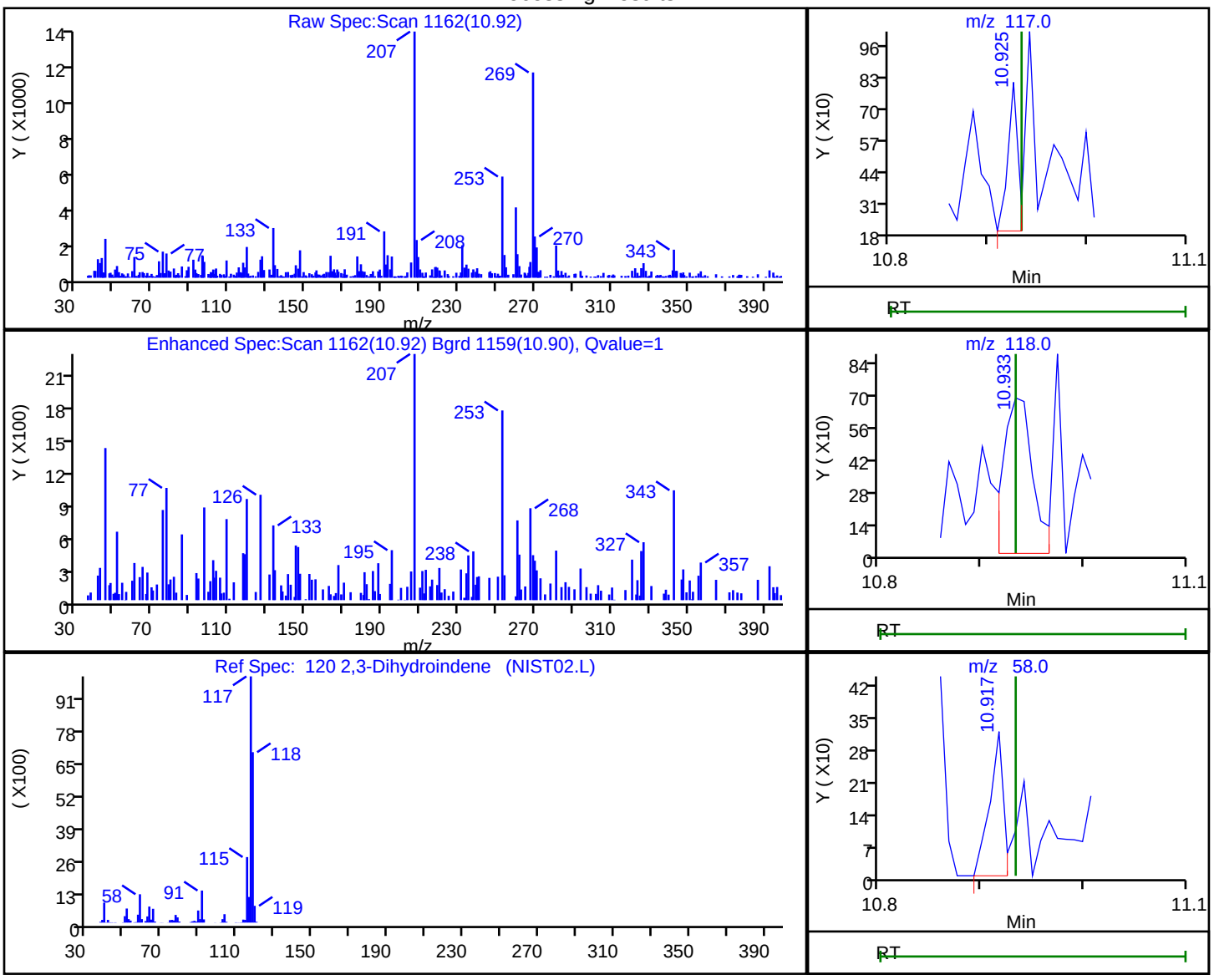
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

120 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
10.92	117.00	446	0.024761
10.93	118.00	1367	
10.92	58.00	300	

Reviewer: baronm, 14-Jul-2021 20:45:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

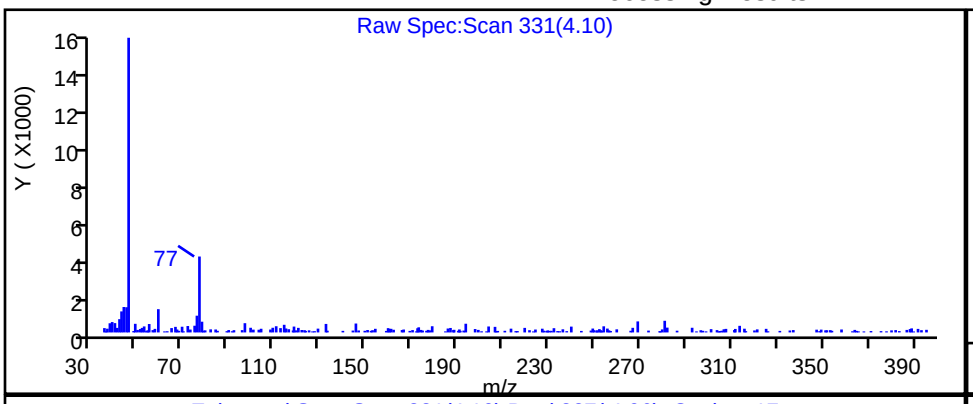
User Disabled Compound Report

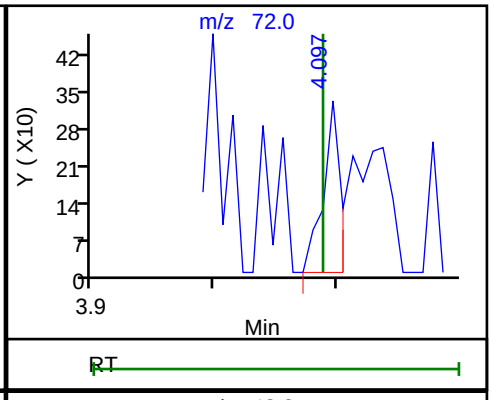
Eurofins TestAmerica, Edison

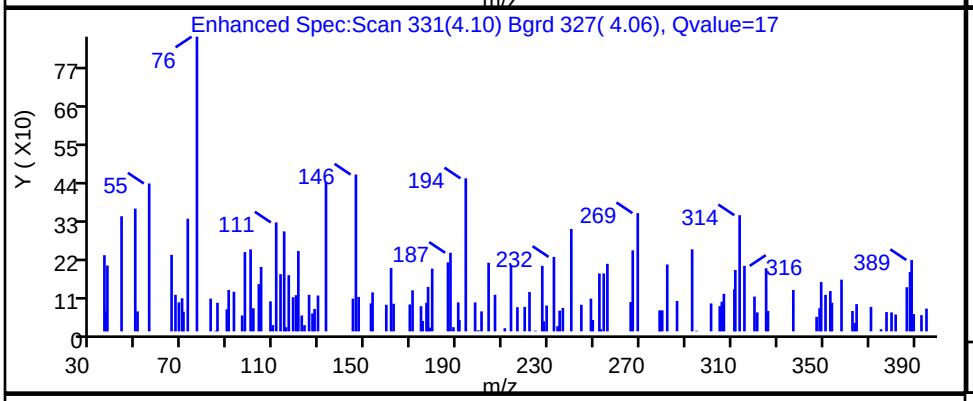
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

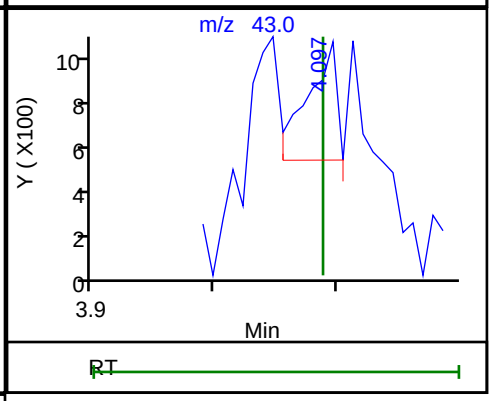
41 2-Butanone (MEK), CAS: 78-93-3

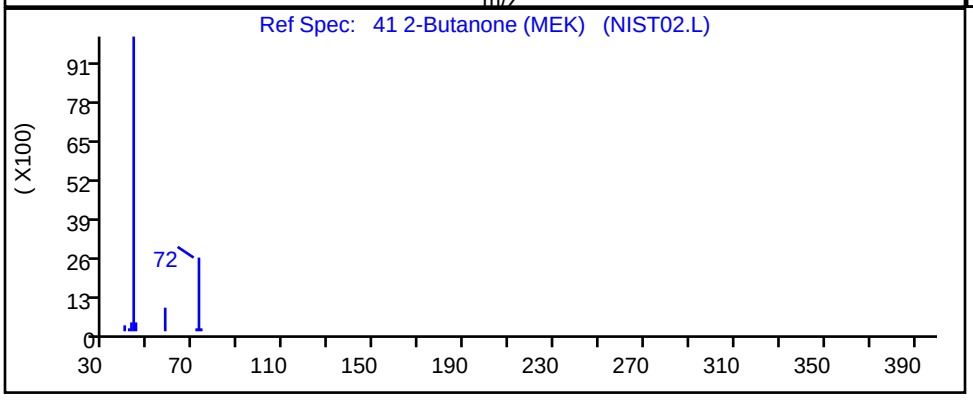
Processing Results











RT	Mass	Response	Amount
4.10	72.00	320	1.099698
4.10	43.00	904	

Reviewer: tupayachia, 11-Jul-2021 11:19:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

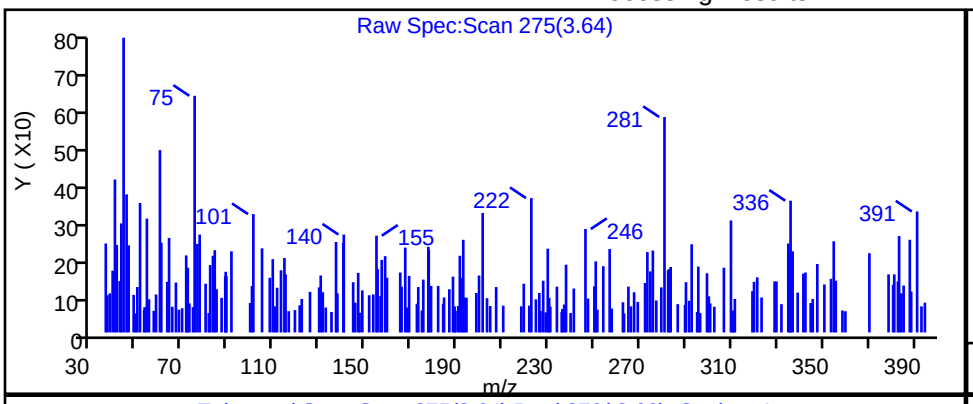
User Disabled Compound Report

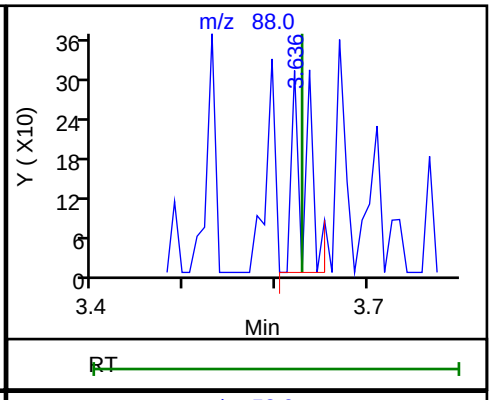
Eurofins TestAmerica, Edison

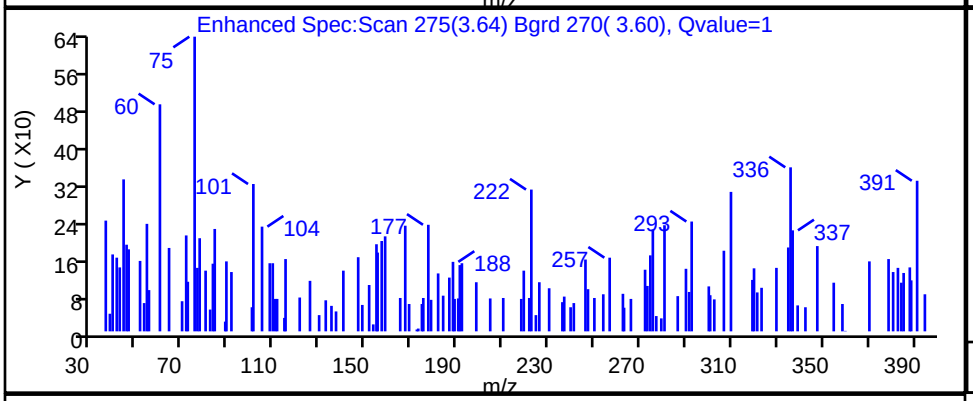
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

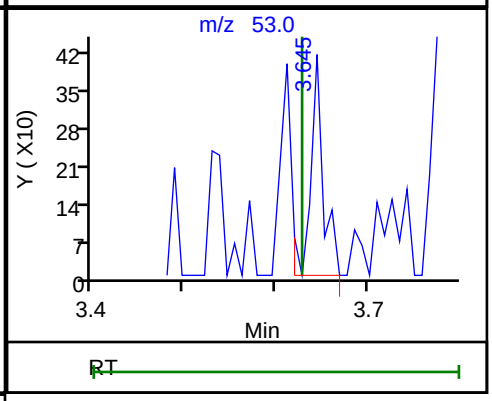
36 2-Chloro-1,3-butadiene, CAS: 126-99-8

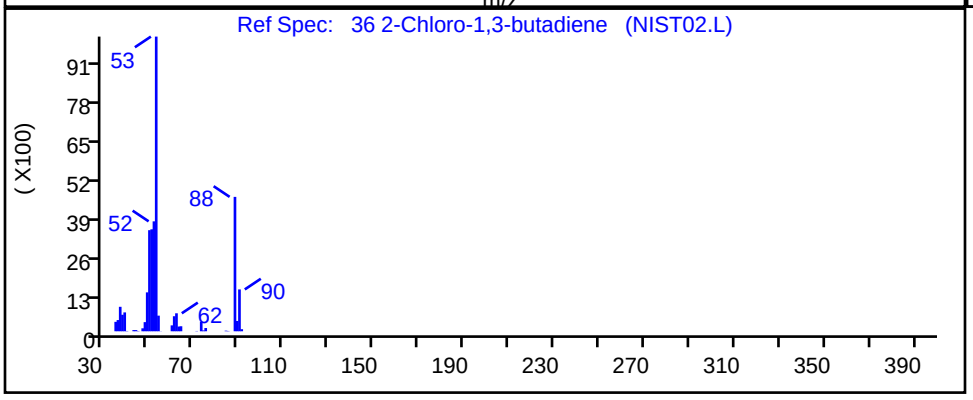
Processing Results











RT	Mass	Response	Amount
3.64	88.00	349	0.116288
3.64	53.00	394	

Reviewer: baronm, 14-Jul-2021 20:45:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

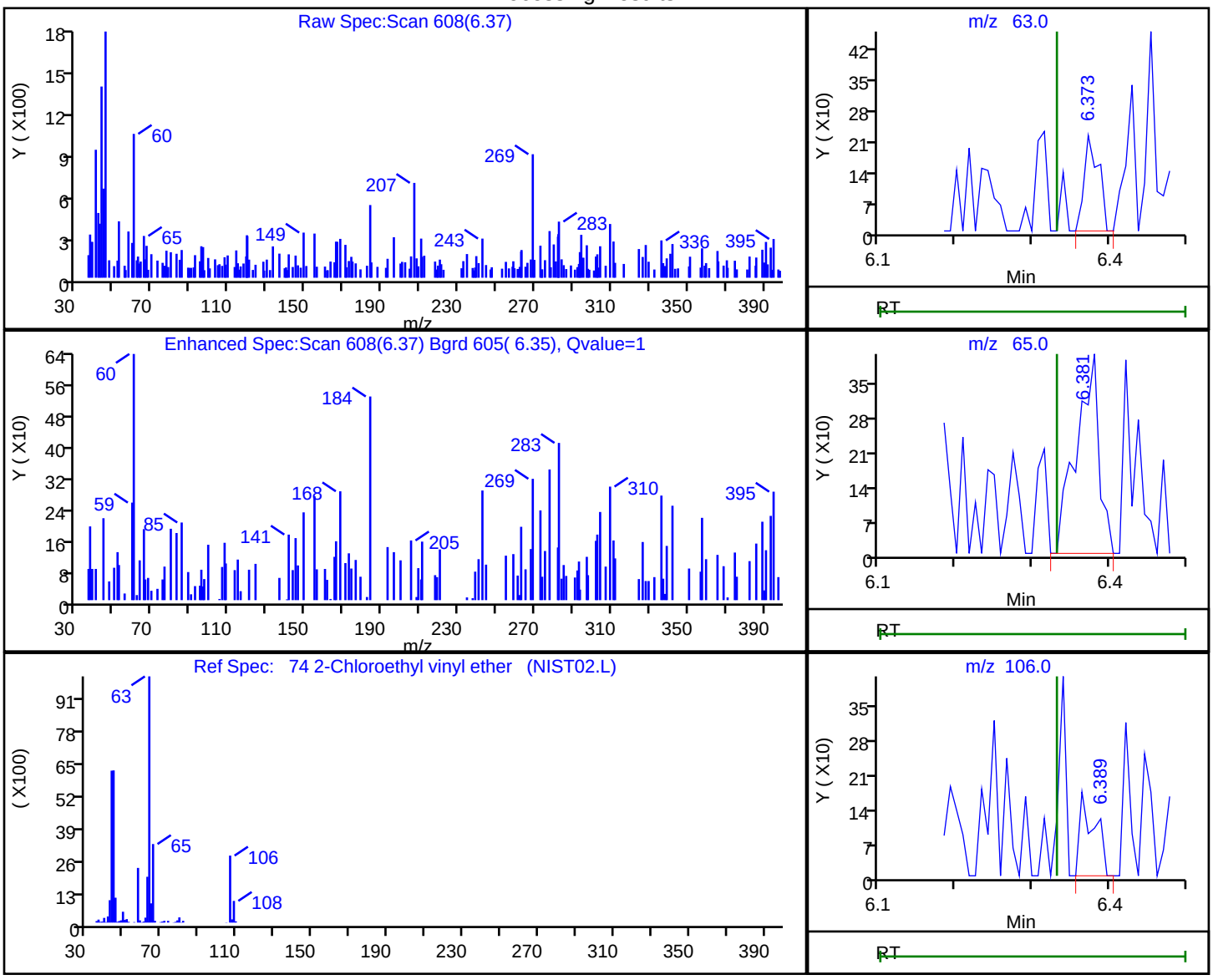
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

74 2-Chloroethyl vinyl ether, CAS: 110-75-8

Processing Results



RT	Mass	Response	Amount
6.37	63.00	287	0.165518
6.38	65.00	830	
6.39	106.00	229	

Reviewer: tupayachia, 11-Jul-2021 11:20:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

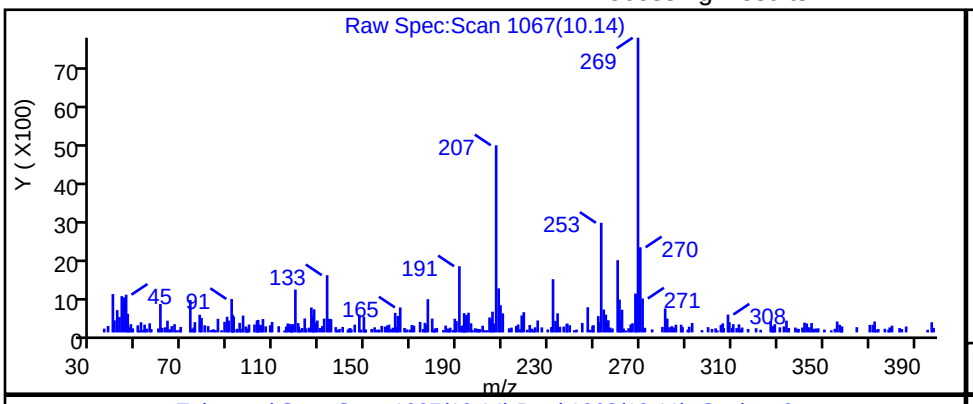
User Disabled Compound Report

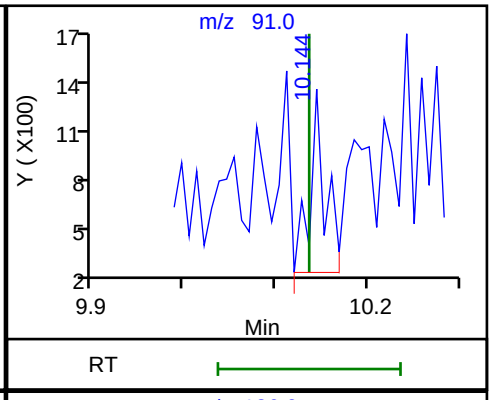
Eurofins TestAmerica, Edison

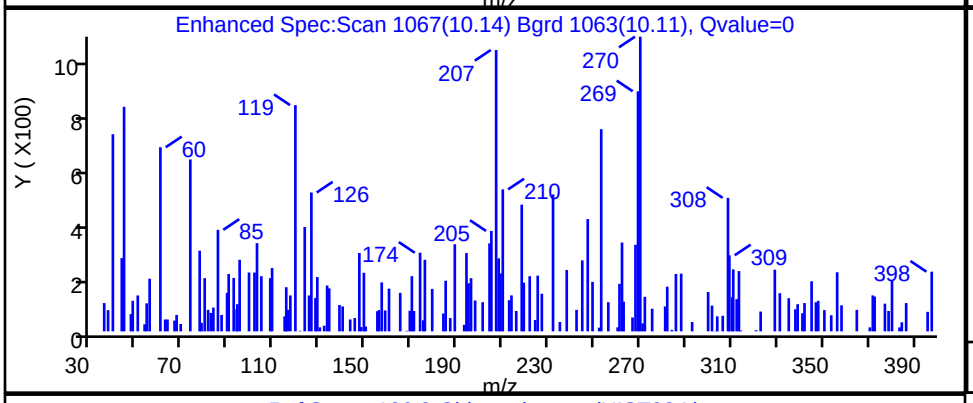
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

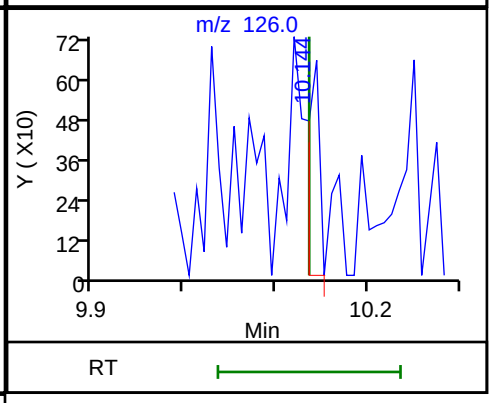
106 2-Chlorotoluene, CAS: 95-49-8

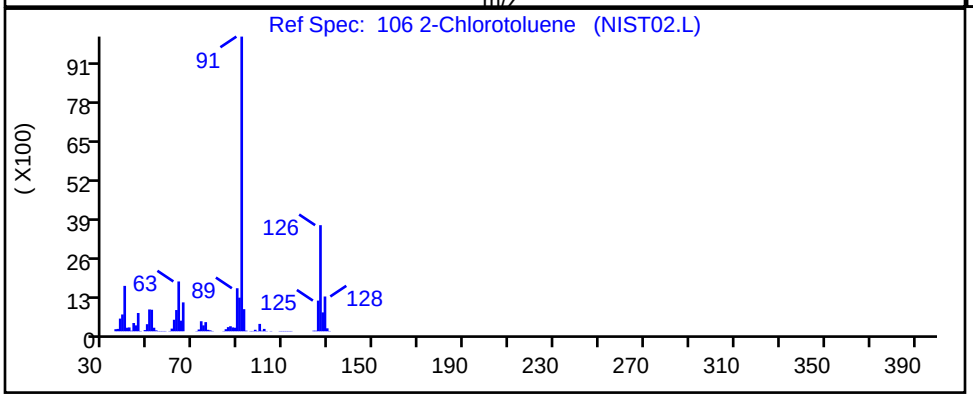
Processing Results











RT	Mass	Response	Amount
10.14	91.00	1284	0.081790
10.14	126.00	557	

Reviewer: tupayachia, 11-Jul-2021 11:21:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

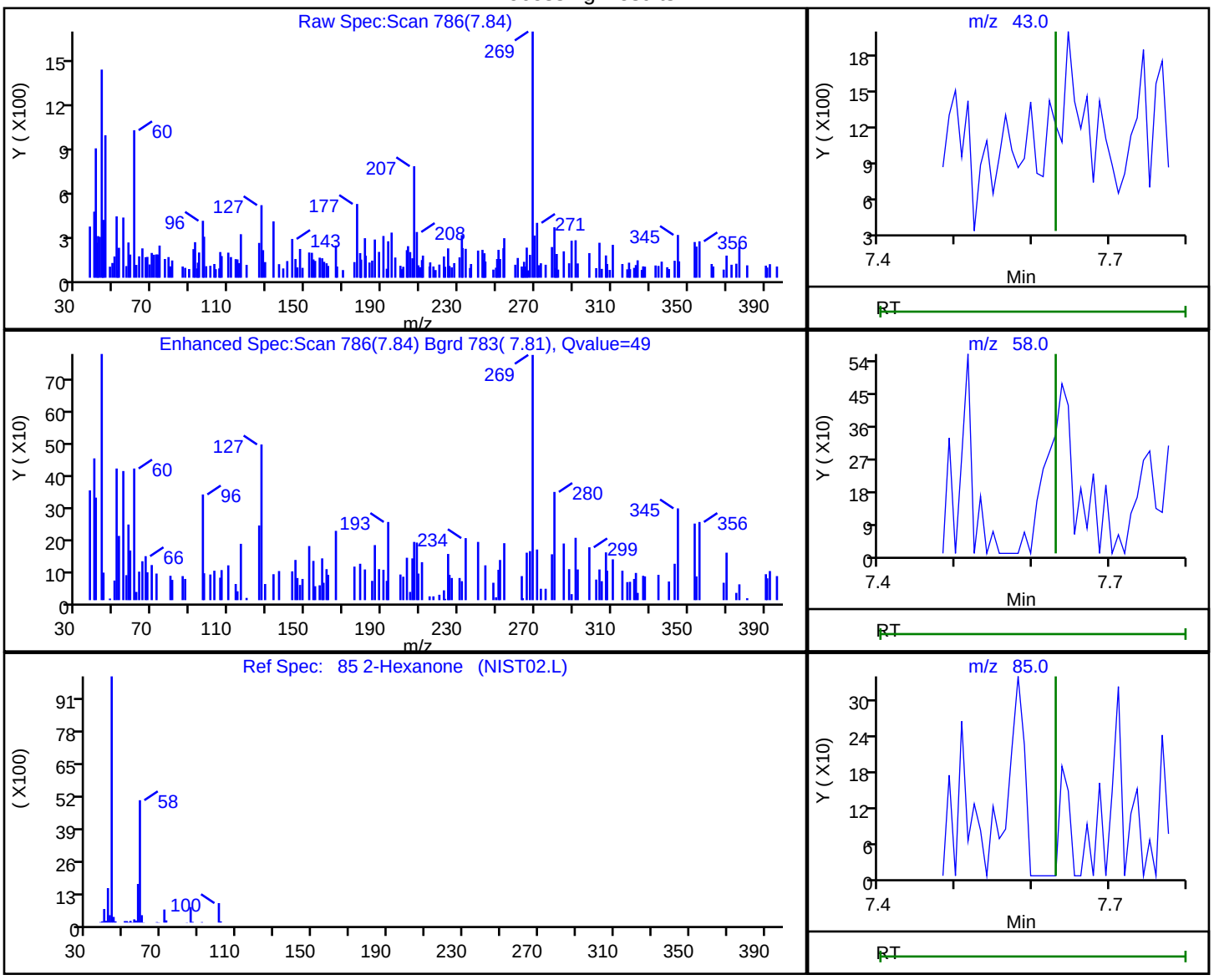
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

85 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.84	43.00	1227	0.578075
7.83	58.00	297	
7.84	85.00	104	
7.82	100.00	228	

Reviewer: tupayachia, 11-Jul-2021 11:20:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

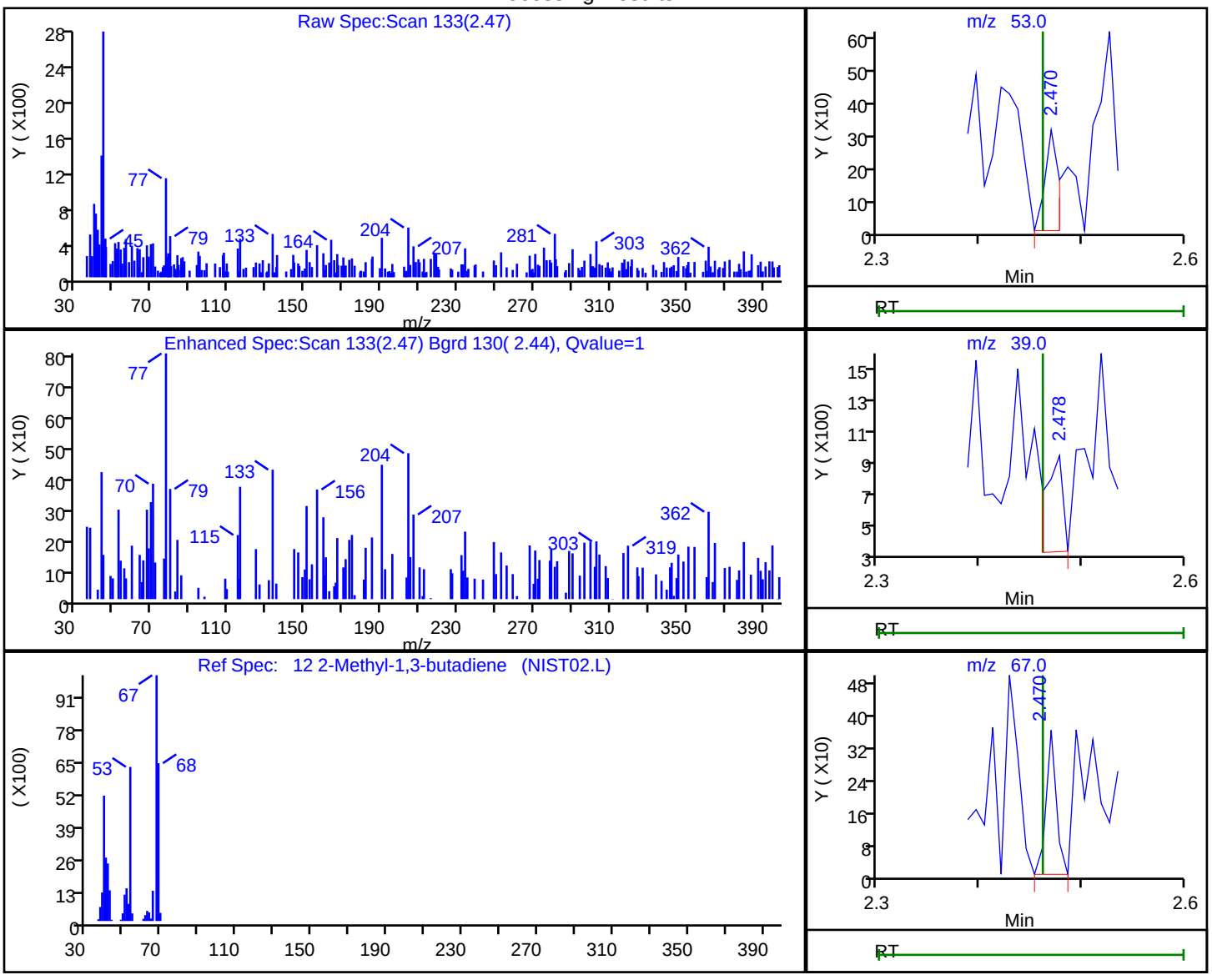
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
2.47	53.00	282	0.076067
2.48	39.00	680	
2.47	67.00	248	

Reviewer: tupayachia, 10-Jul-2021 12:07:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

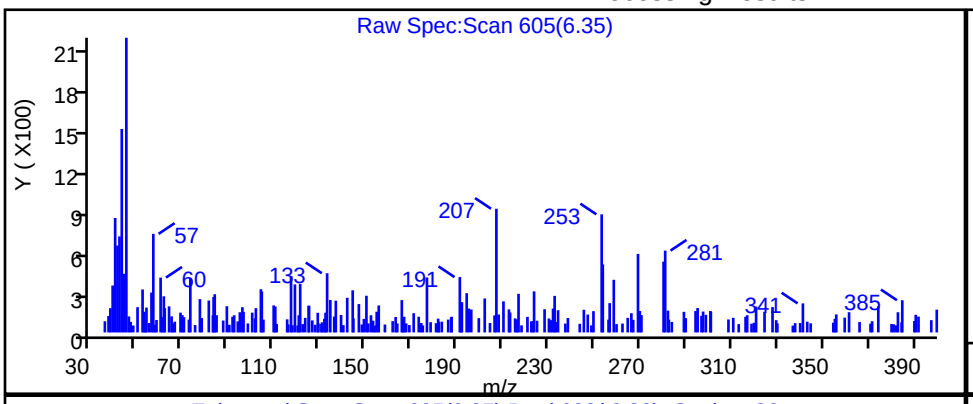
User Disabled Compound Report

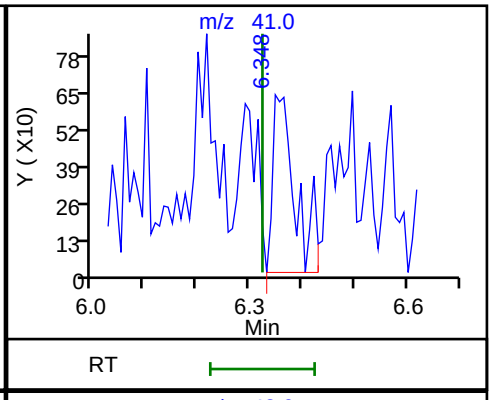
Eurofins TestAmerica, Edison

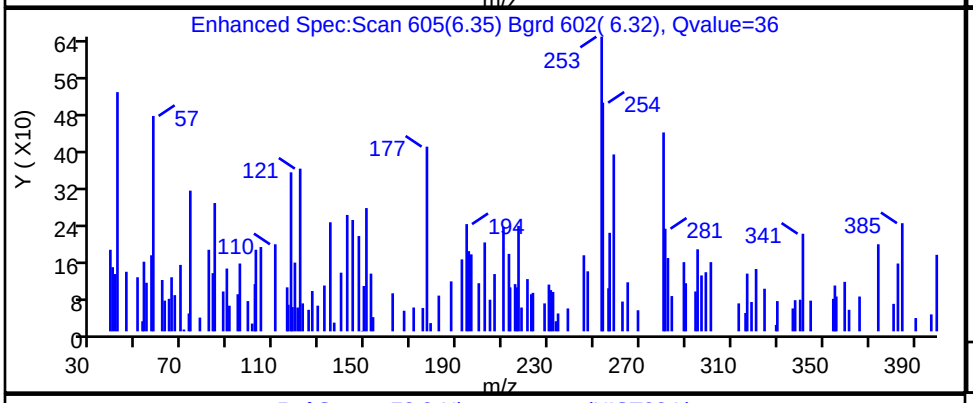
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

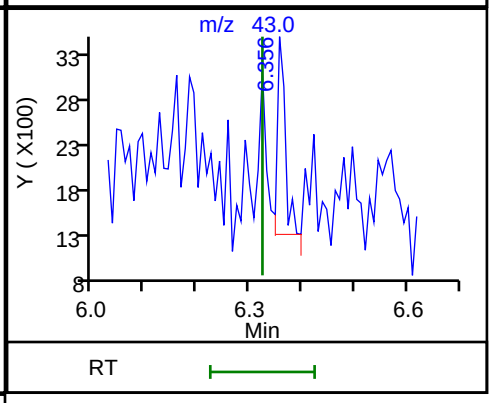
73 2-Nitropropane, CAS: 79-46-9

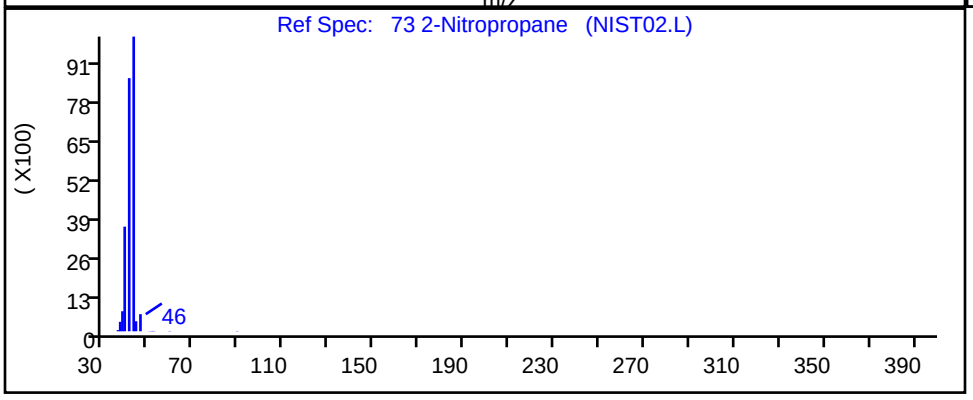
Processing Results











RT	Mass	Response	Amount
6.35	41.00	1902	1.121438
6.36	43.00	2237	

Reviewer: baronm, 14-Jul-2021 20:45:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

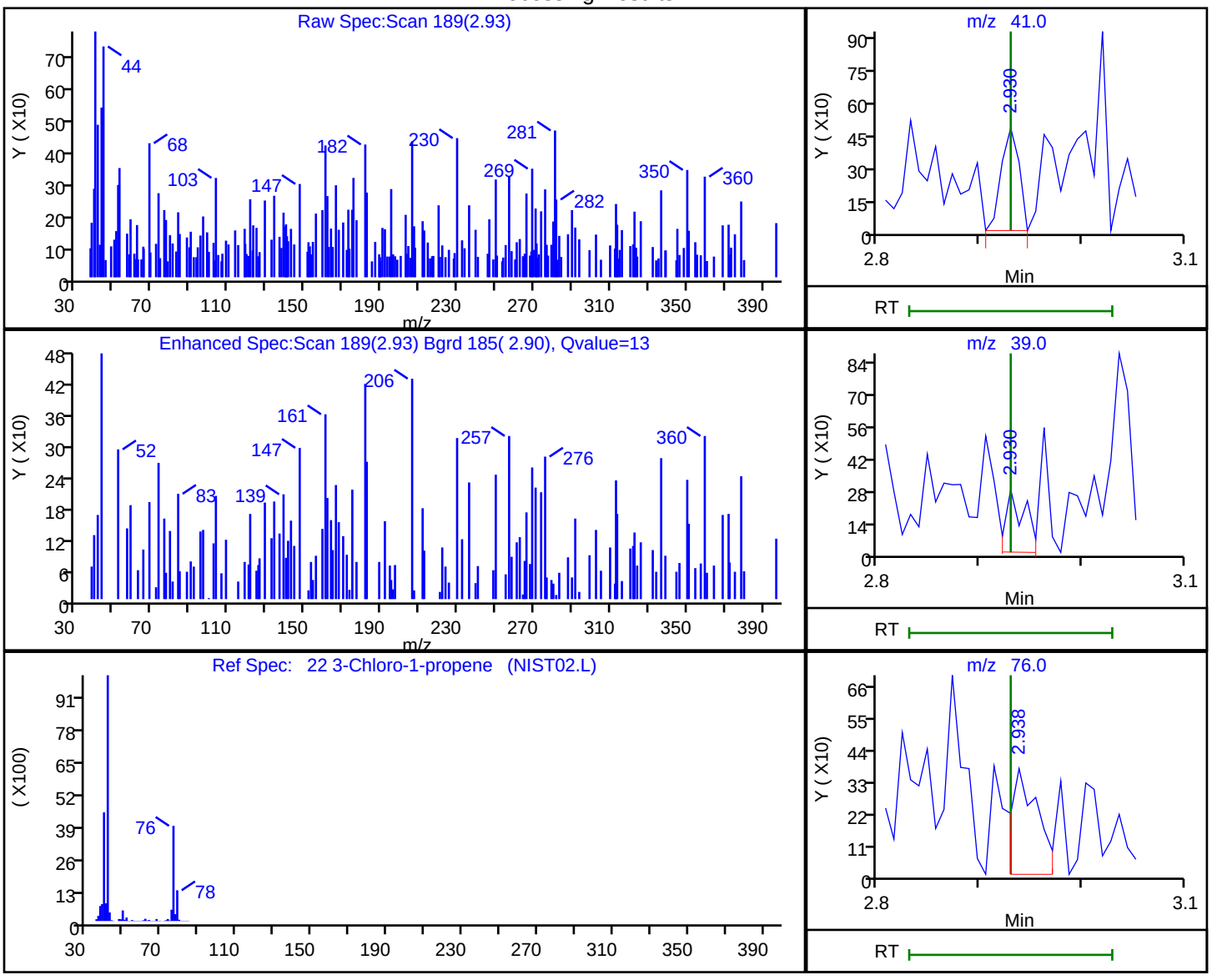
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
2.93	41.00	582	0.092130
2.93	39.00	369	
2.94	76.00	651	

Reviewer: tupayachia, 11-Jul-2021 11:19:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

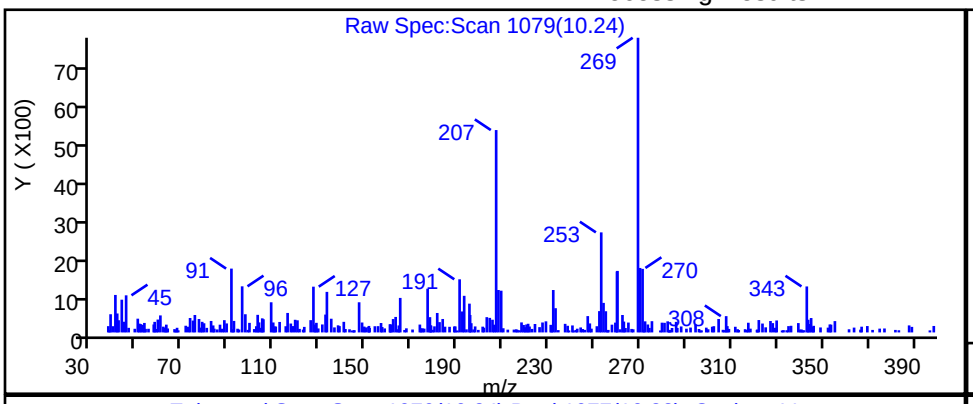
User Disabled Compound Report

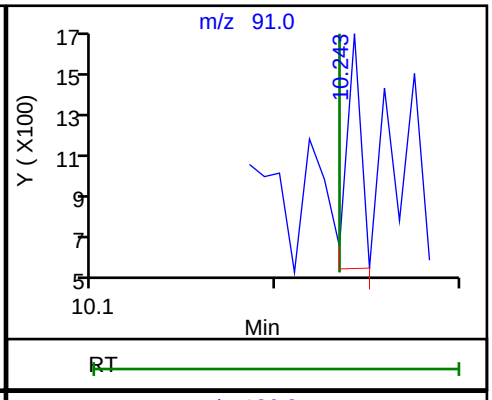
Eurofins TestAmerica, Edison

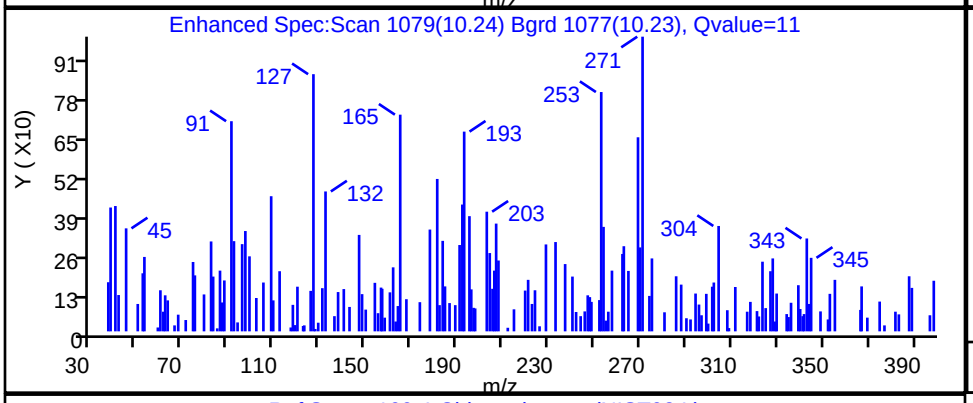
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

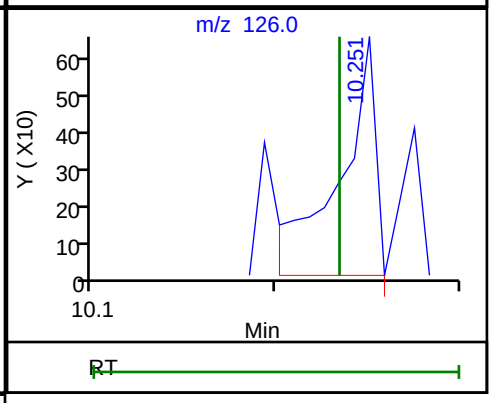
109 4-Chlorotoluene, CAS: 106-43-4

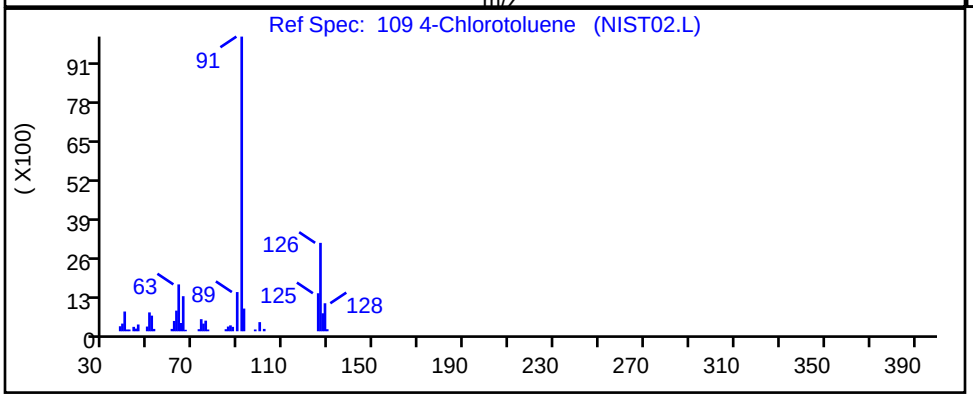
Processing Results











RT	Mass	Response	Amount
10.24	91.00	614	0.045120
10.25	126.00	927	

Reviewer: tupayachia, 11-Jul-2021 11:21:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

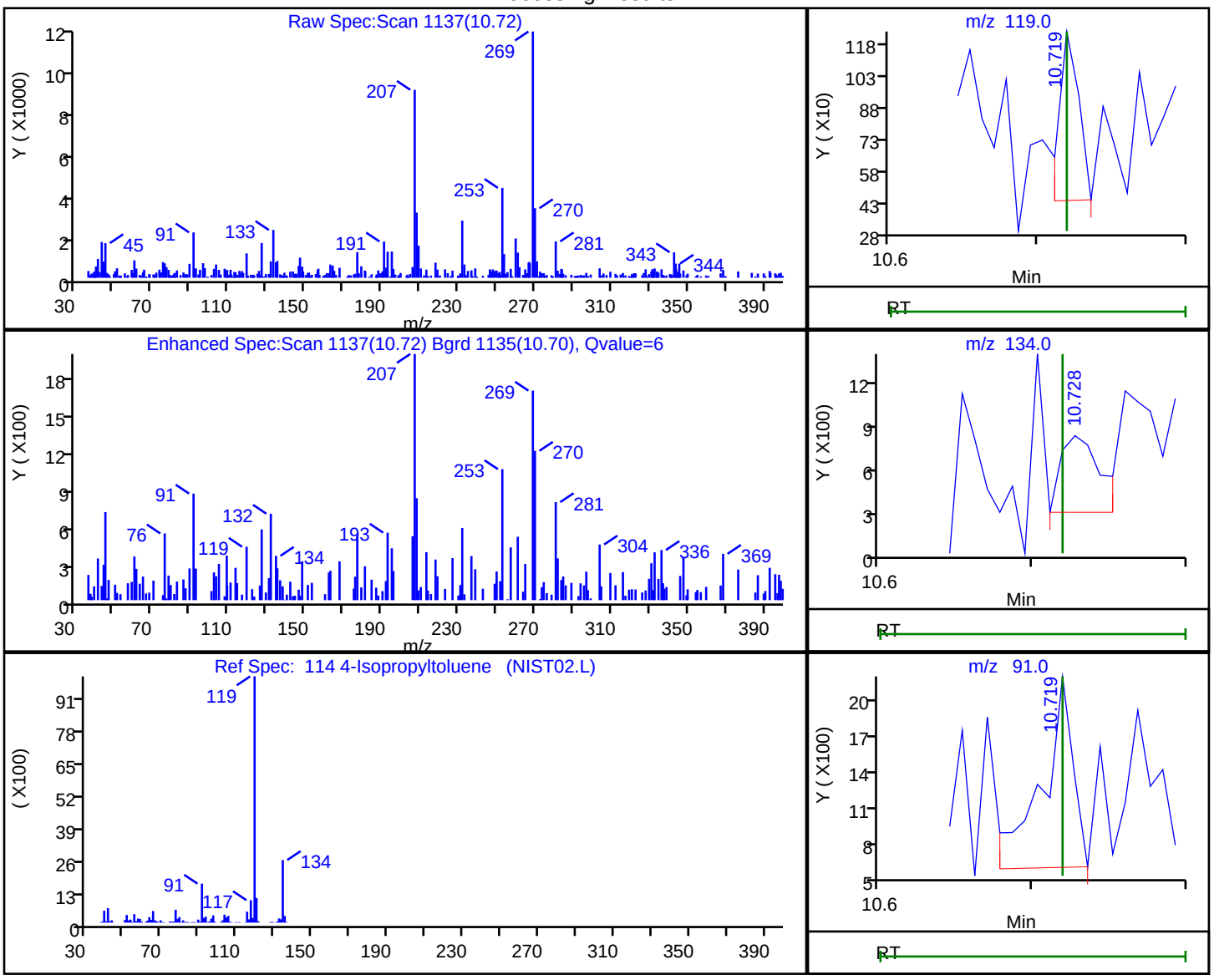
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

114 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.72	119.00	743	0.038638
10.73	134.00	961	
10.72	91.00	2111	

Reviewer: tupayachia, 11-Jul-2021 11:21:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

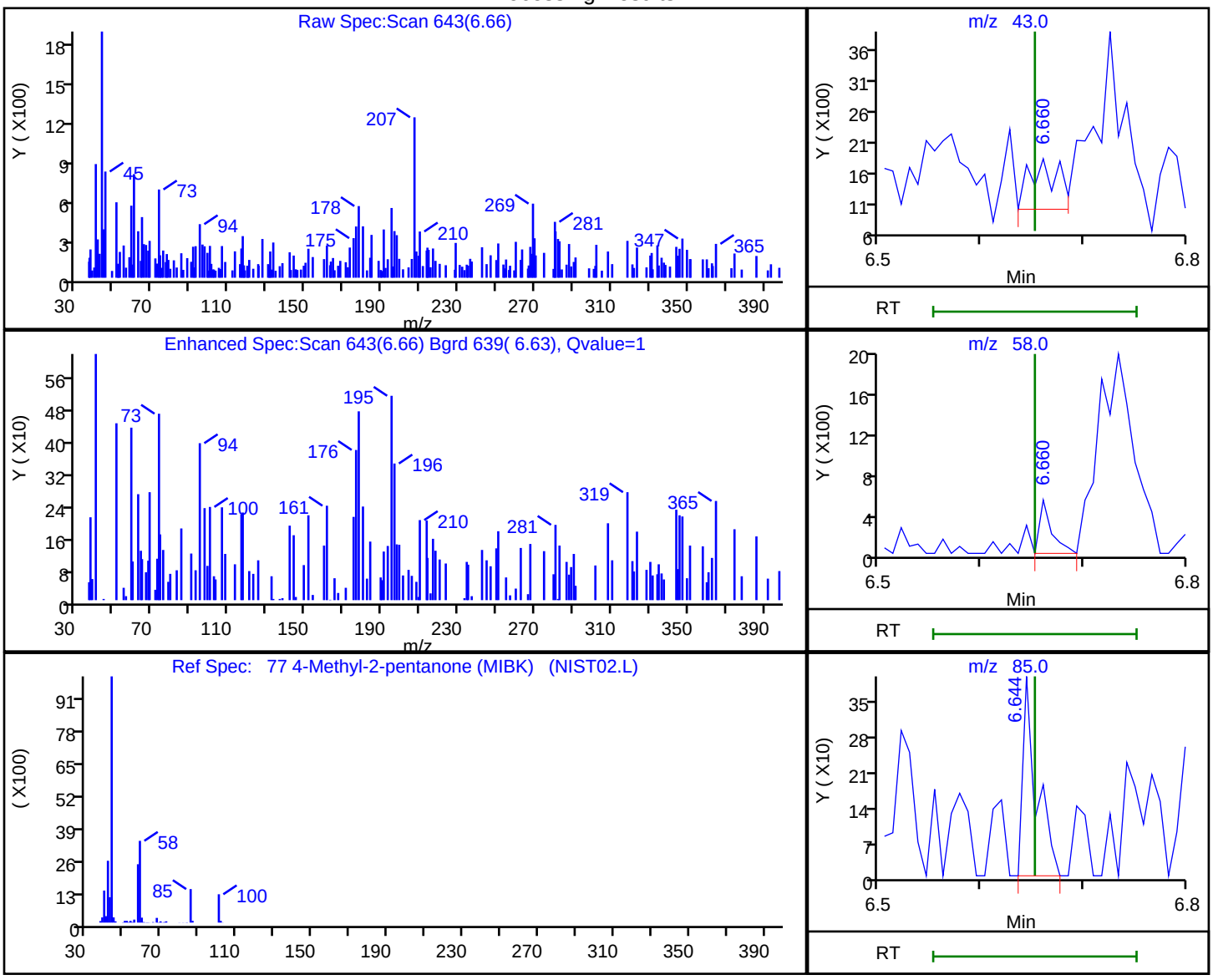
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

77 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.66	43.00	1536	0.454558
6.66	58.00	437	
6.64	85.00	368	
6.66	100.00	205	

Reviewer: tupayachia, 11-Jul-2021 11:20:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

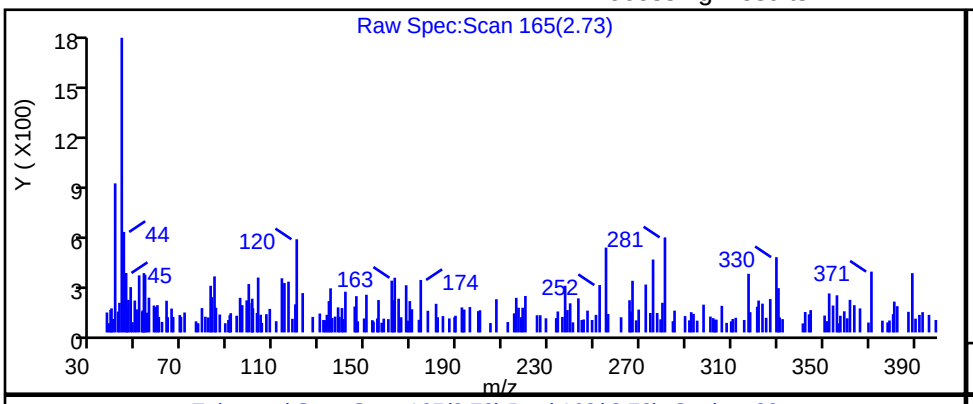
User Disabled Compound Report

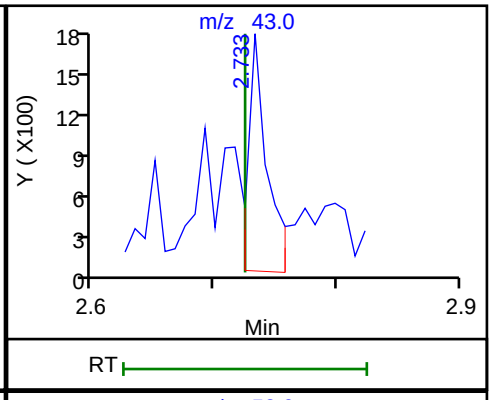
Eurofins TestAmerica, Edison

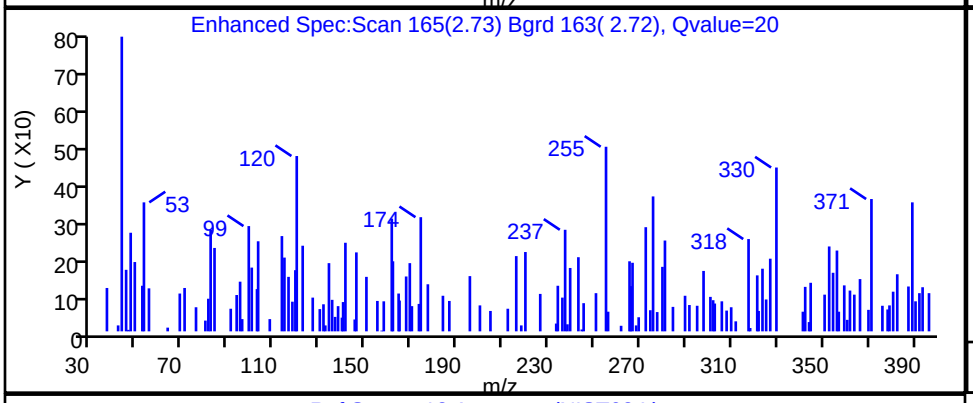
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

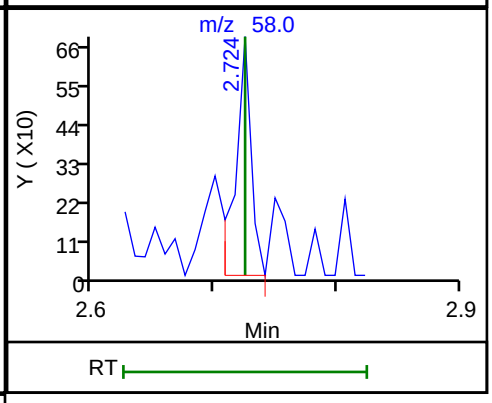
18 Acetone, CAS: 67-64-1

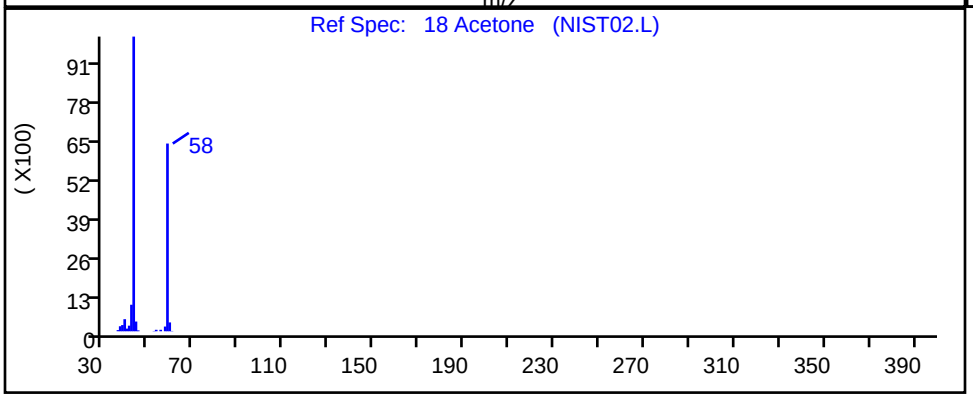
Processing Results











RT	Mass	Response	Amount
2.73	43.00	1796	1.880540
2.72	58.00	603	

Reviewer: tupayachia, 11-Jul-2021 11:19:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

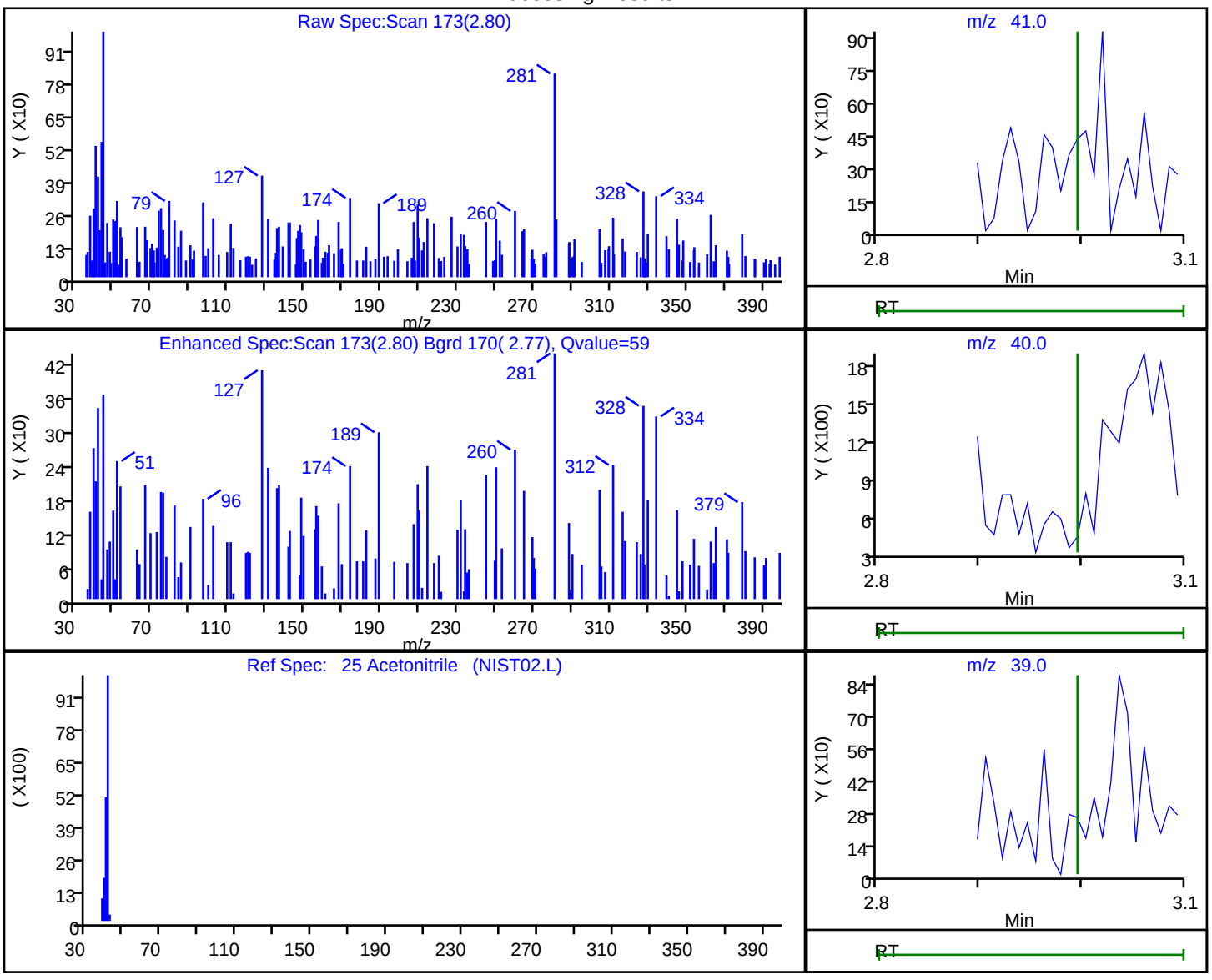
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.80	41.00	352	0.573025
2.79	40.00	2166	
2.80	39.00	1070	
2.78	38.00	587	

Reviewer: tupayachia, 11-Jul-2021 11:19:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

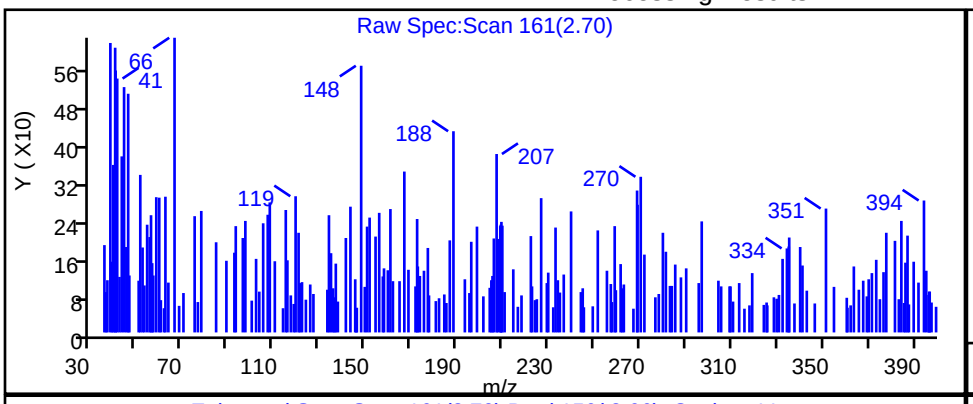
User Disabled Compound Report

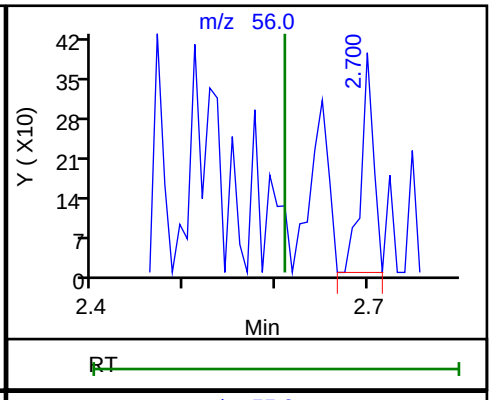
Eurofins TestAmerica, Edison

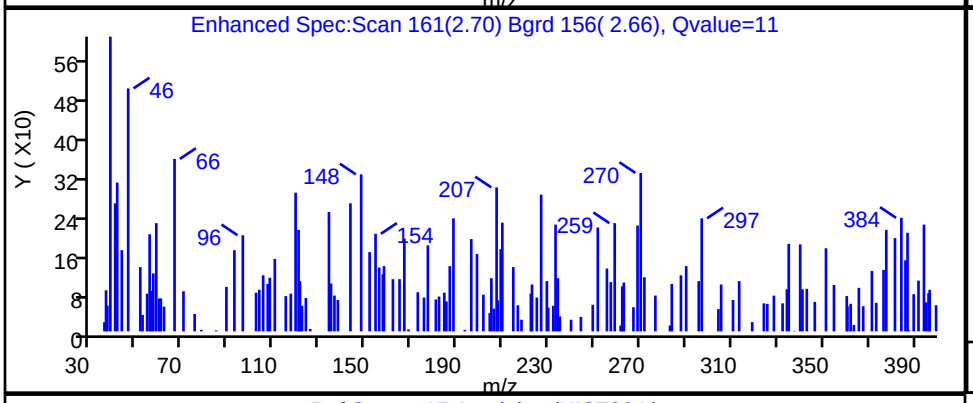
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

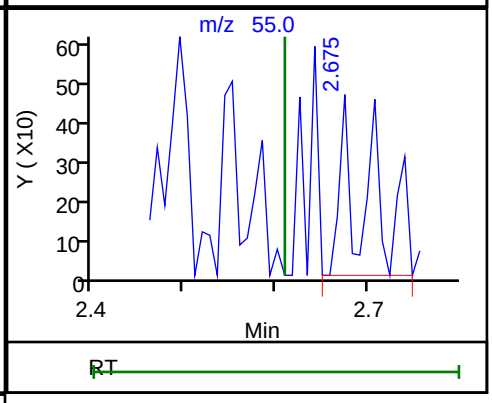
15 Acrolein, CAS: 107-02-8

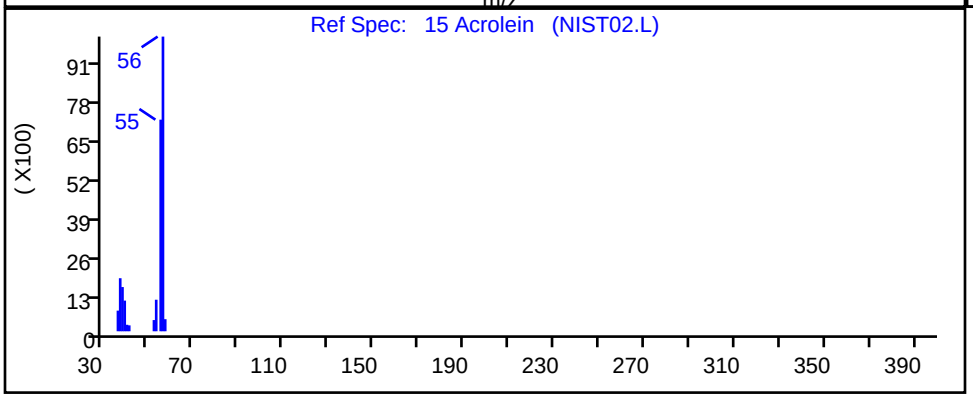
Processing Results











RT	Mass	Response	Amount
2.70	56.00	368	0.960216
2.68	55.00	974	

Reviewer: tupayachia, 10-Jul-2021 12:07:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

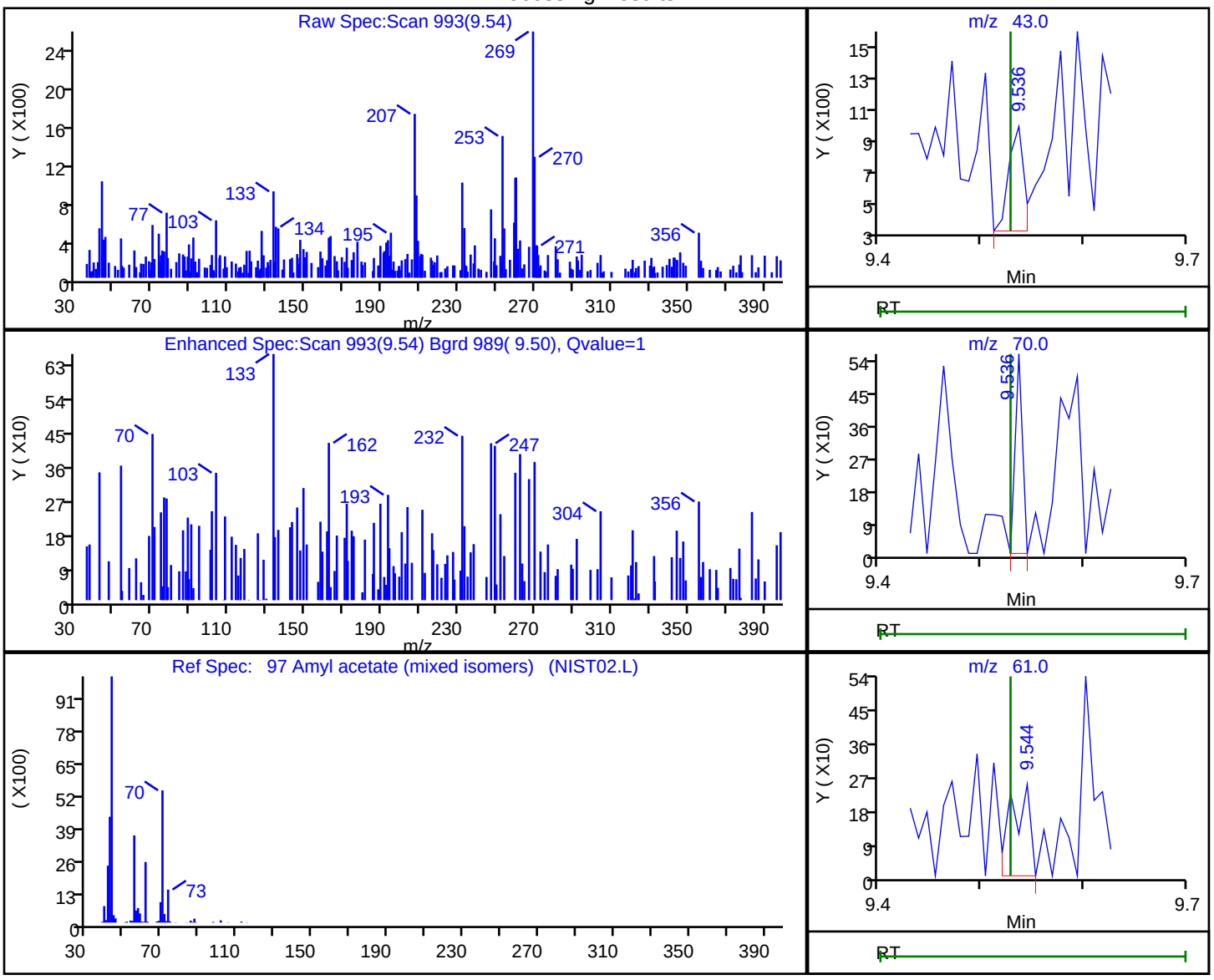
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

97 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
9.54	43.00	643	0.076906
9.54	70.00	273	
9.54	61.00	316	

Reviewer: tupayachia, 11-Jul-2021 11:20:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

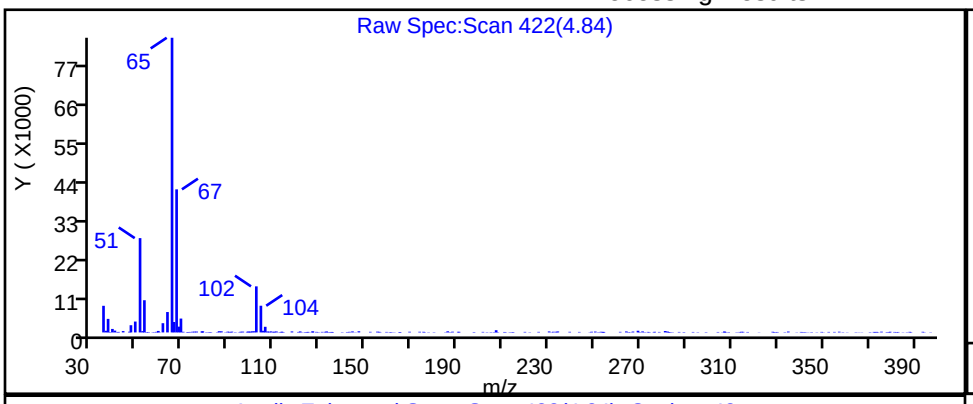
User Disabled Compound Report

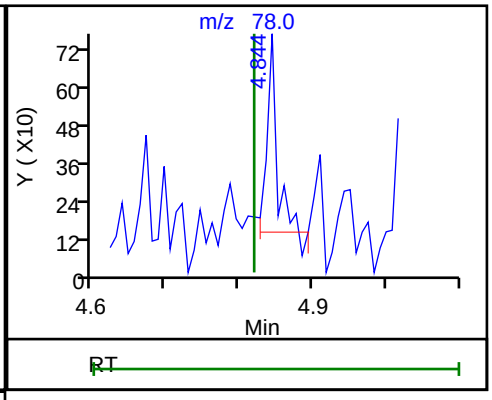
Eurofins TestAmerica, Edison

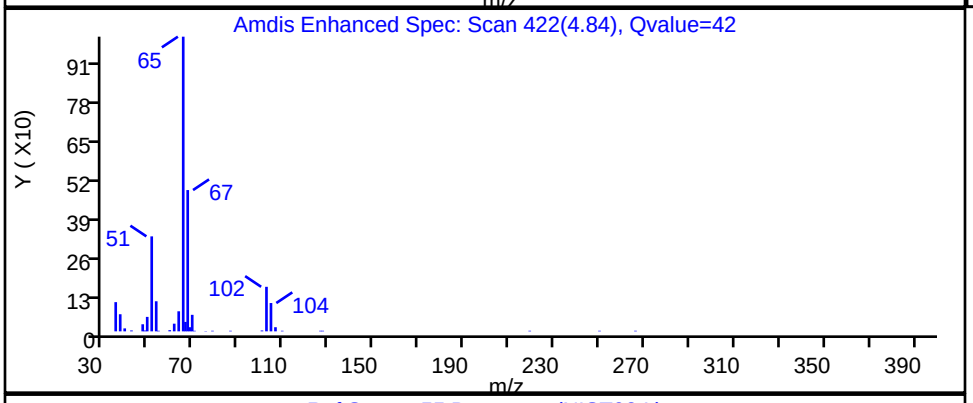
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

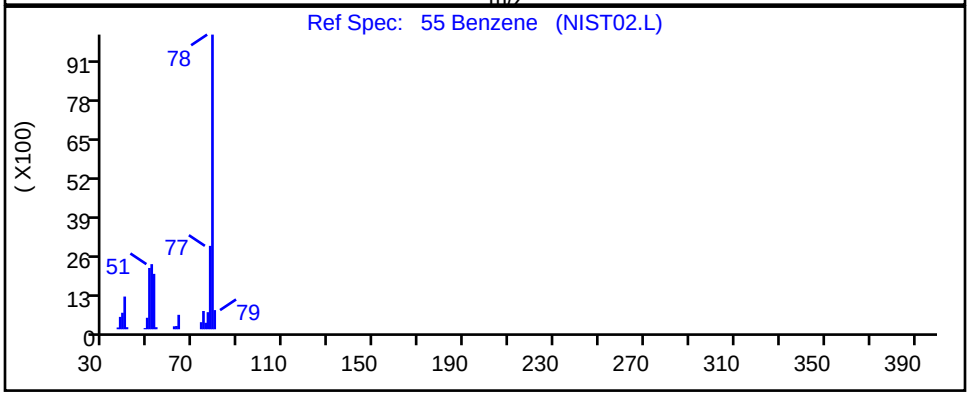
55 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
4.84	78.00	559	0.043511

Reviewer: tupayachia, 11-Jul-2021 11:20:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

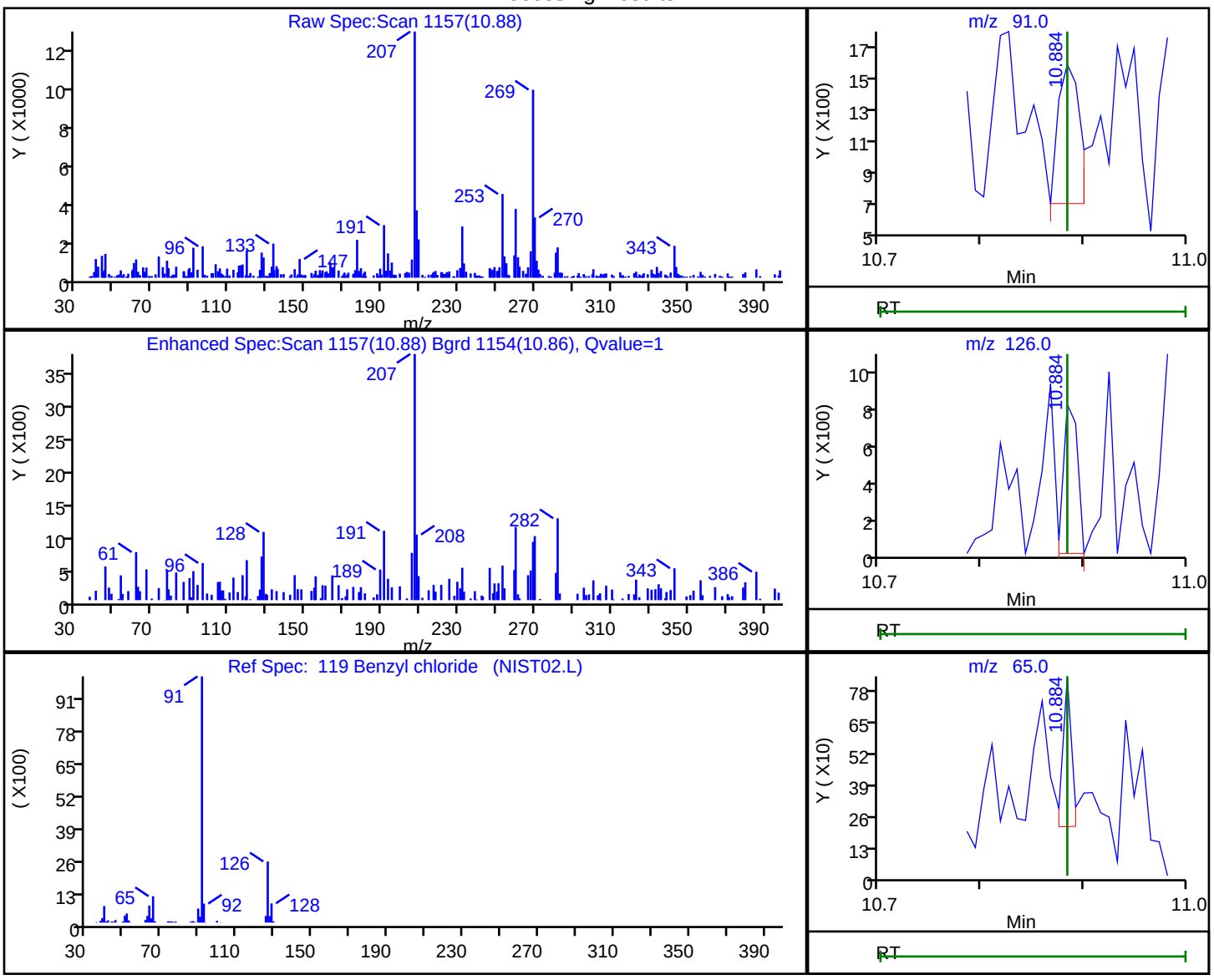
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
10.88	91.00	1215	0.116202
10.88	126.00	769	
10.88	65.00	389	

Reviewer: tupayachia, 11-Jul-2021 11:21:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

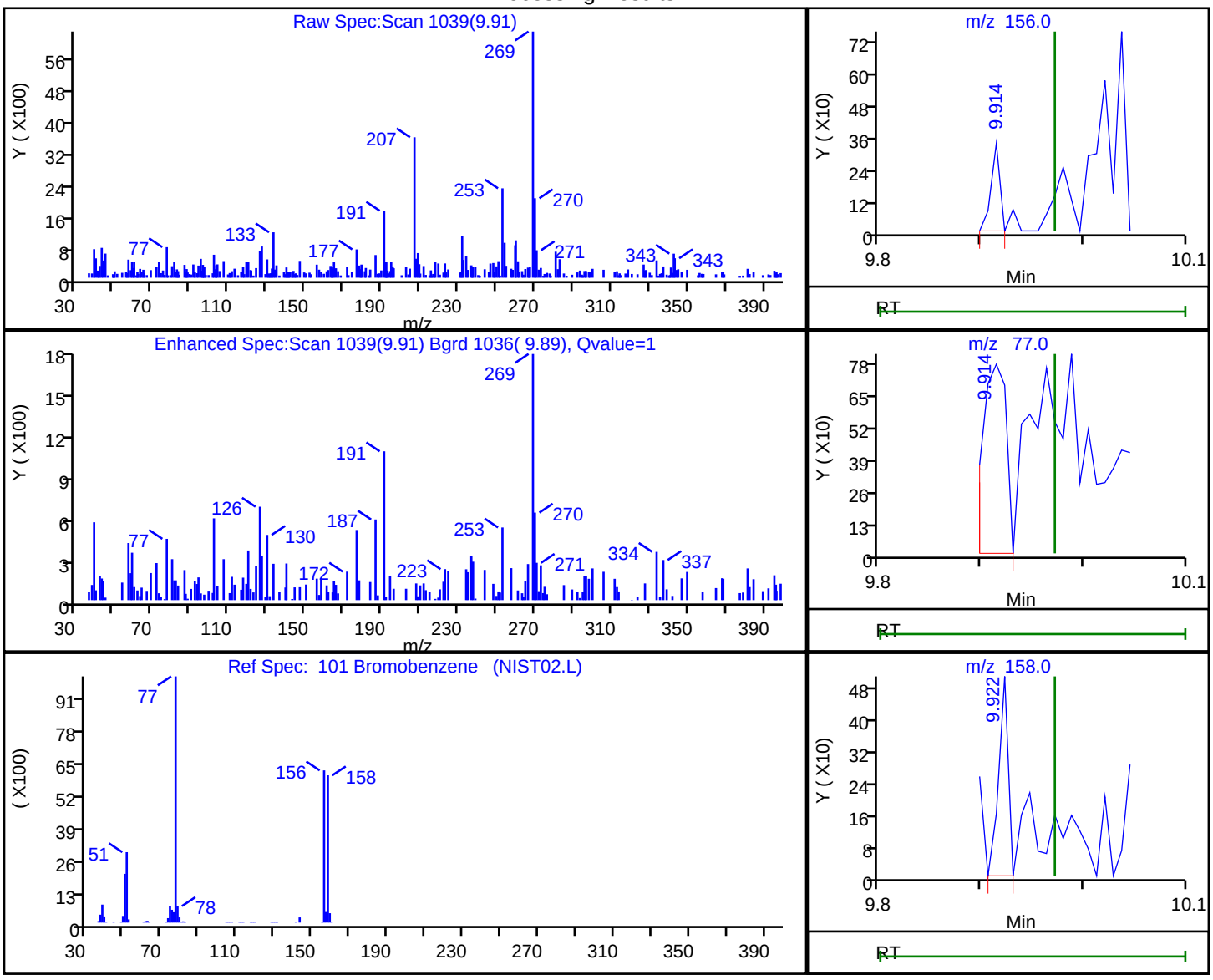
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

101 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
9.91	156.00	201	0.045349
9.91	77.00	1243	
9.92	158.00	324	

Reviewer: tupayachia, 11-Jul-2021 11:20:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

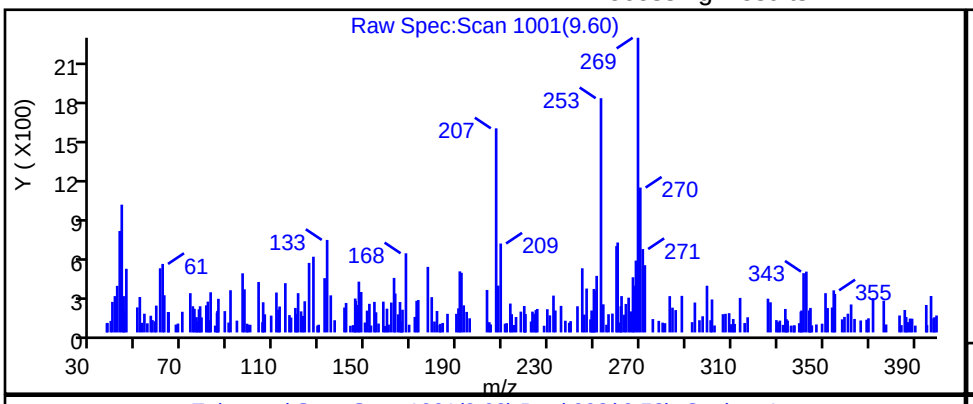
User Disabled Compound Report

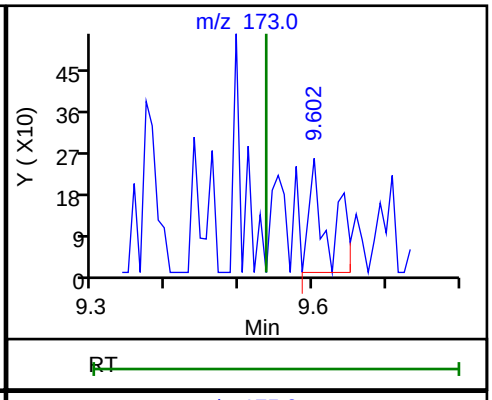
Eurofins TestAmerica, Edison

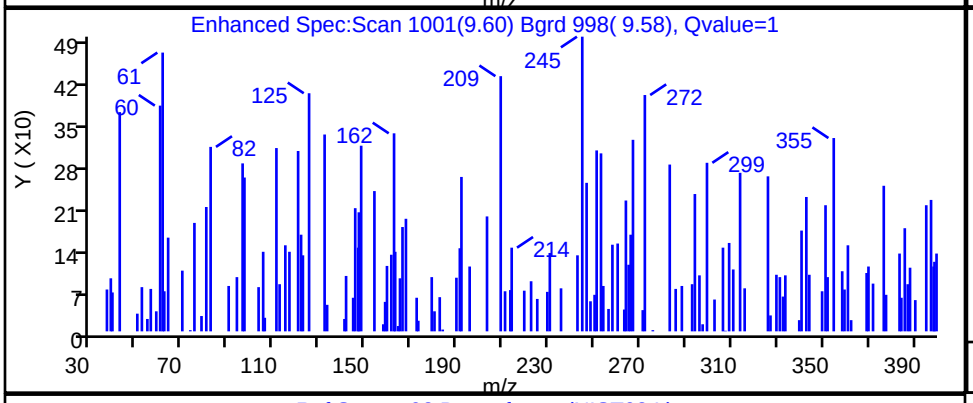
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

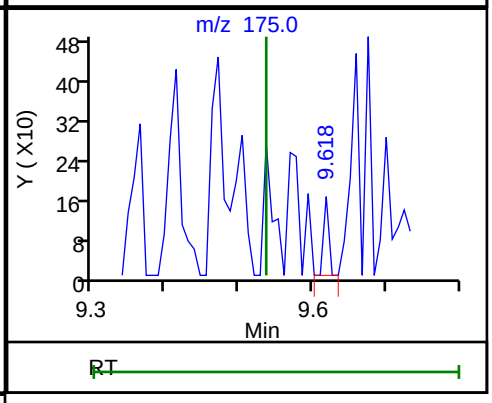
98 Bromoform, CAS: 75-25-2

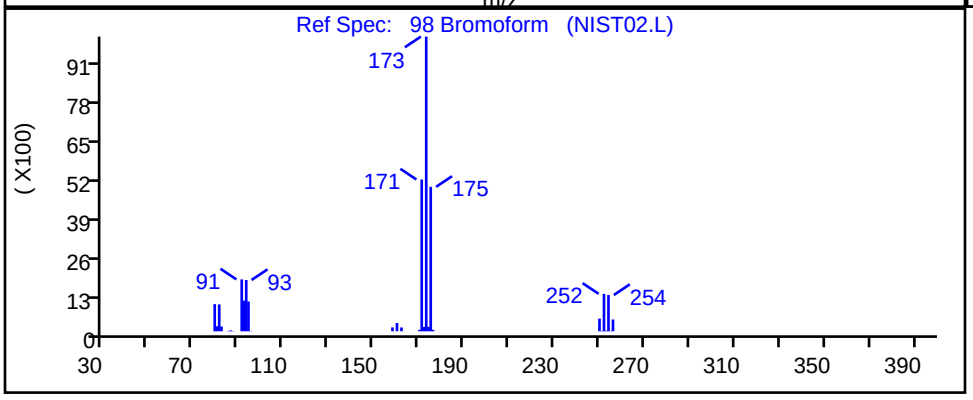
Processing Results











RT	Mass	Response	Amount
9.60	173.00	465	0.225693
9.62	175.00	78	

Reviewer: tupayachia, 11-Jul-2021 11:20:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

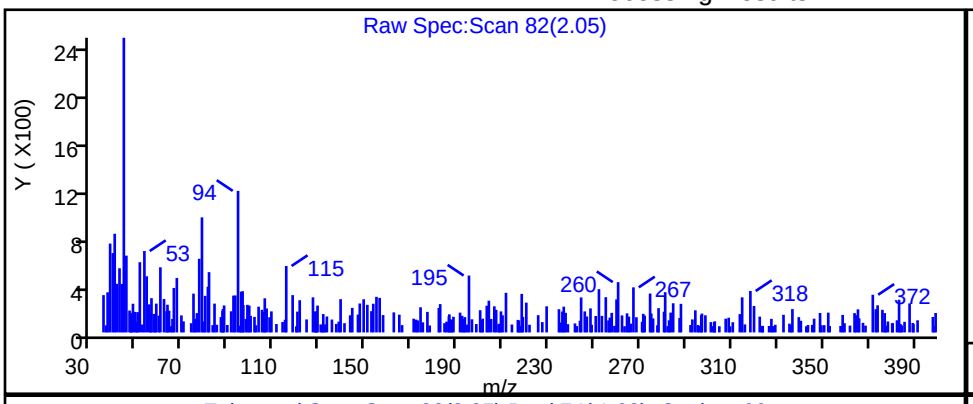
User Disabled Compound Report

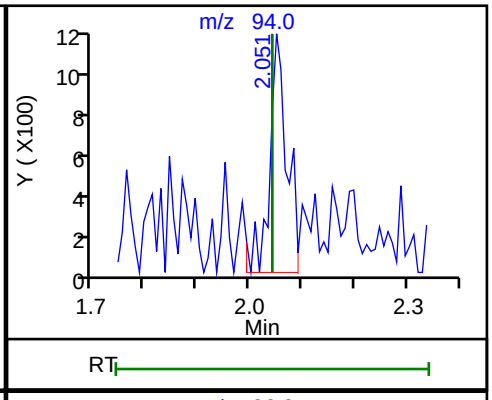
Eurofins TestAmerica, Edison

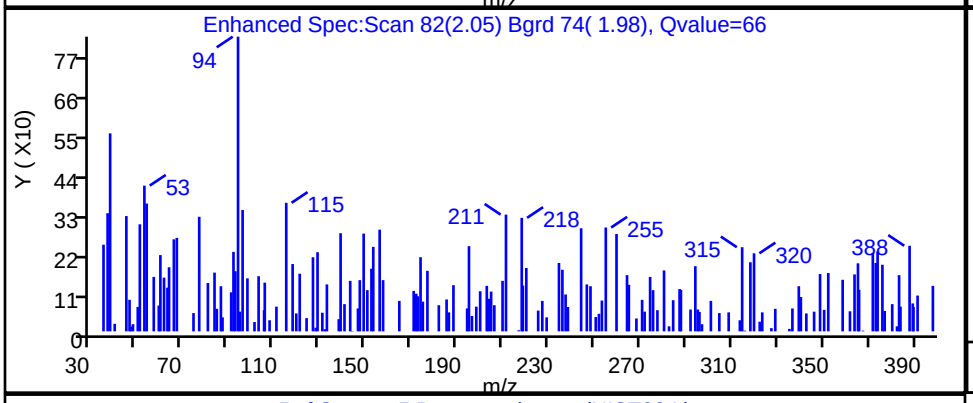
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

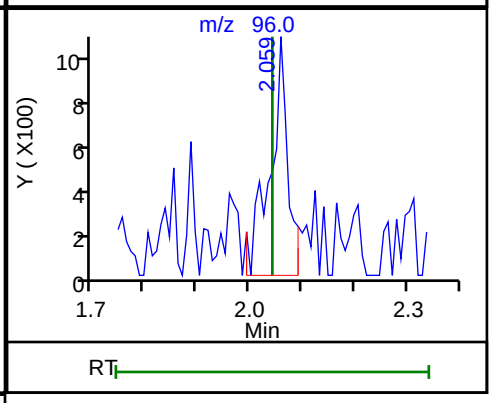
5 Bromomethane, CAS: 74-83-9

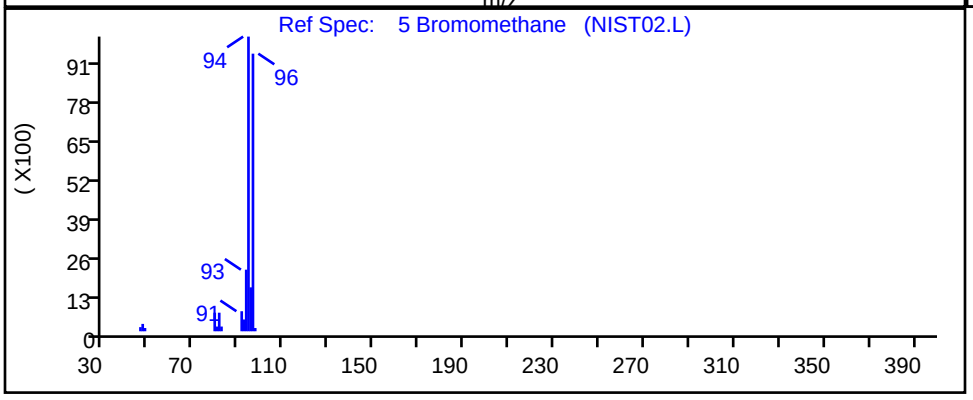
Processing Results











RT	Mass	Response	Amount
2.05	94.00	2695	0.588774
2.06	96.00	2555	

Reviewer: tupayachia, 10-Jul-2021 12:07:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

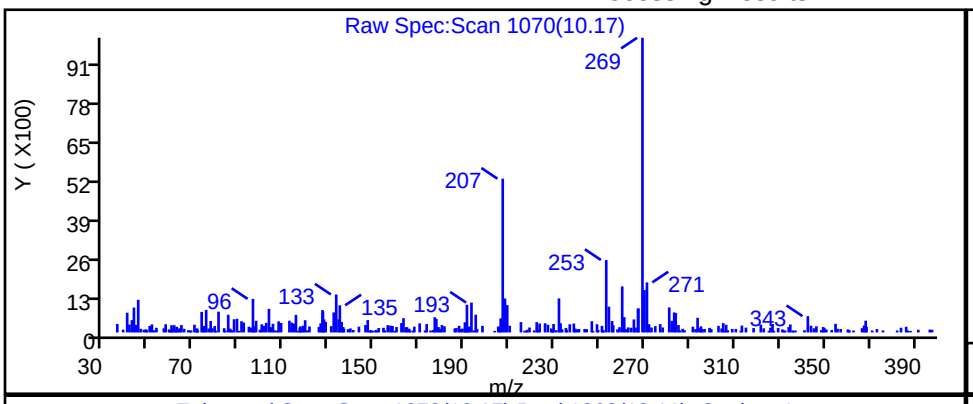
User Disabled Compound Report

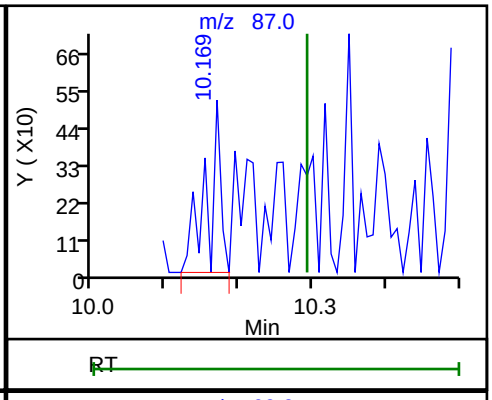
Eurofins TestAmerica, Edison

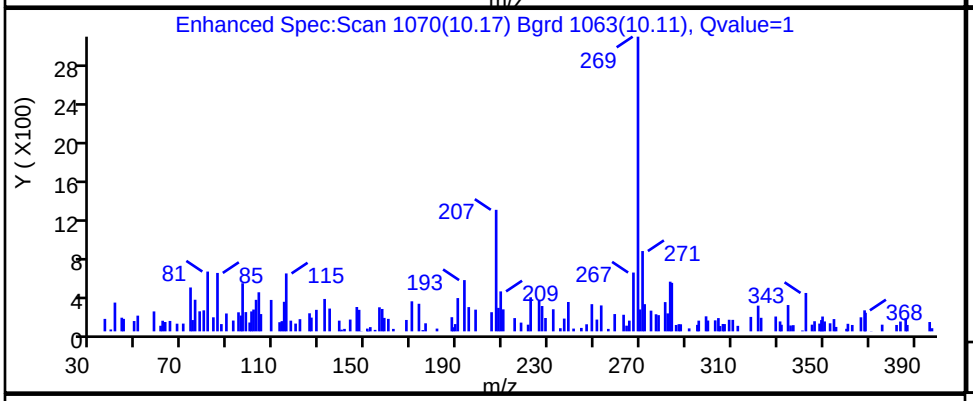
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

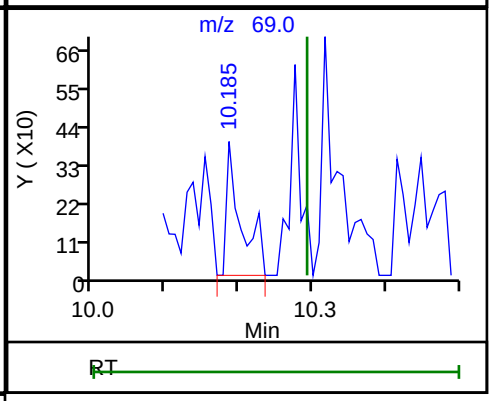
110 Butyl Methacrylate, CAS: 97-88-1

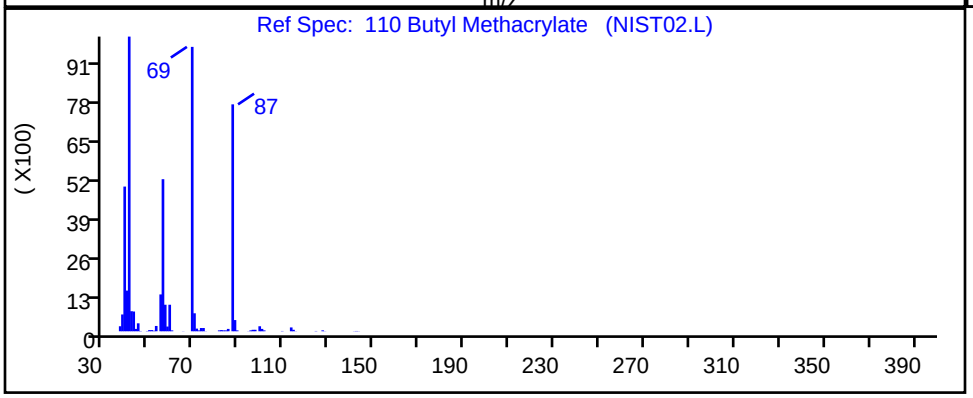
Processing Results











RT	Mass	Response	Amount
10.17	87.00	662	0.128803
10.19	69.00	536	

Reviewer: tupayachia, 11-Jul-2021 11:21:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

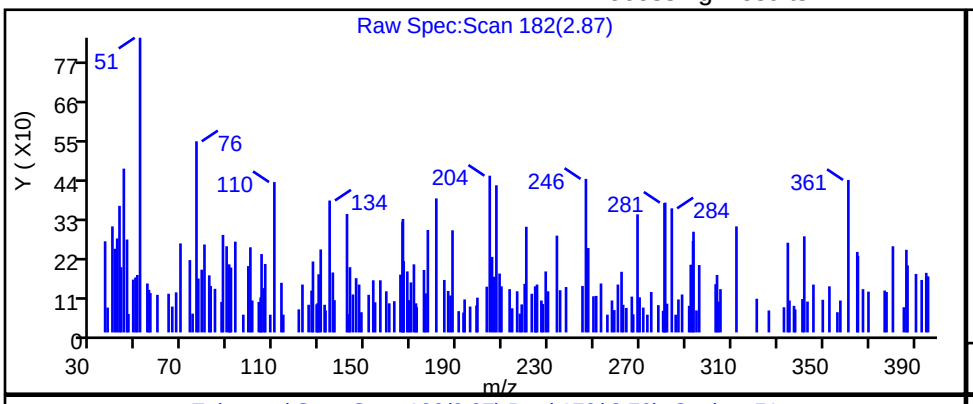
User Disabled Compound Report

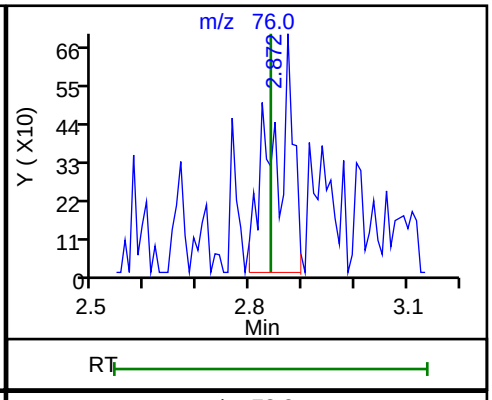
Eurofins TestAmerica, Edison

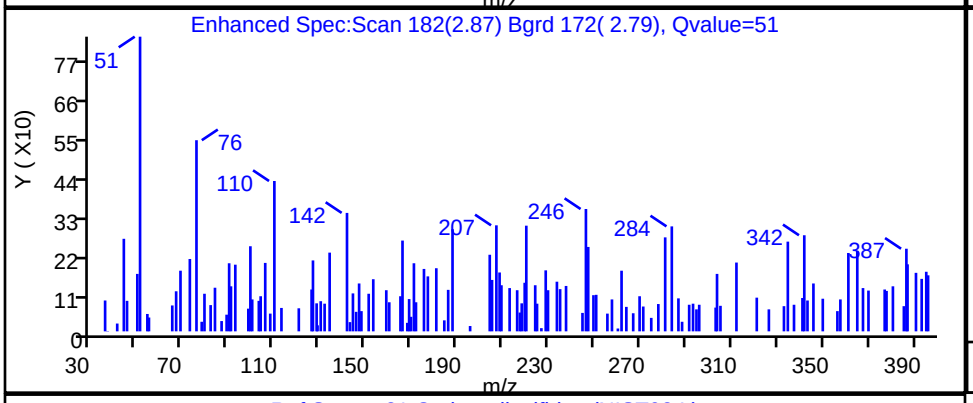
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

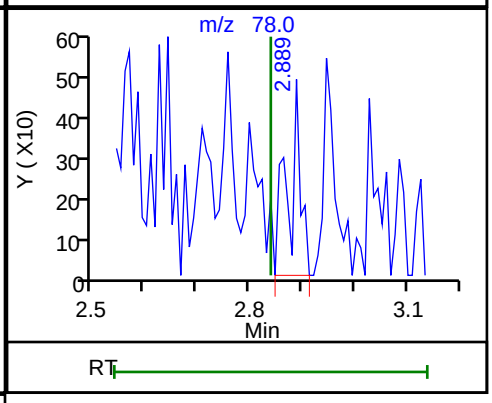
21 Carbon disulfide, CAS: 75-15-0

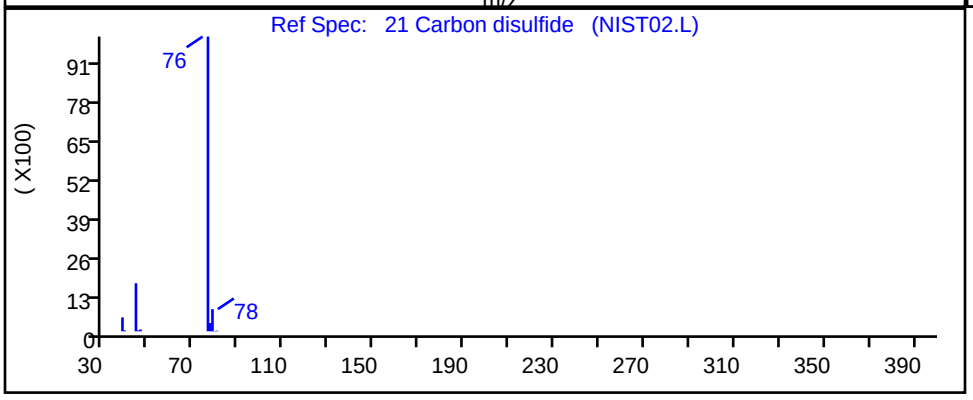
Processing Results











RT	Mass	Response	Amount
2.87	76.00	1909	0.148807
2.89	78.00	797	

Reviewer: tupayachia, 11-Jul-2021 11:19:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

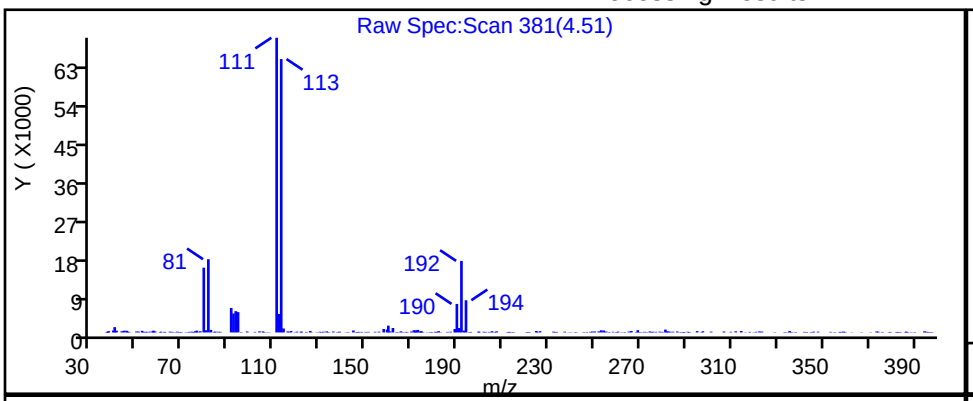
User Disabled Compound Report

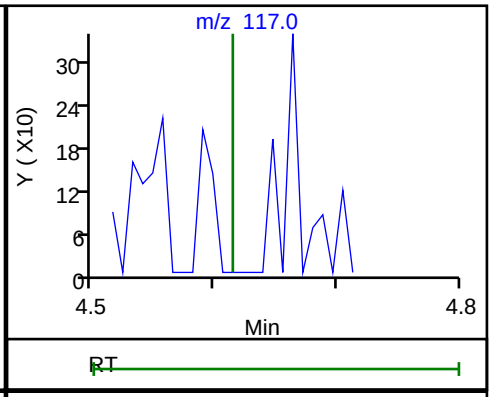
Eurofins TestAmerica, Edison

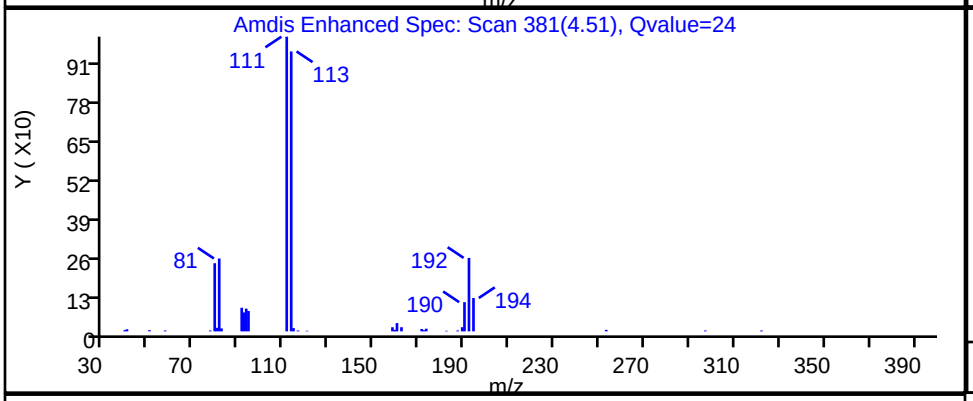
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

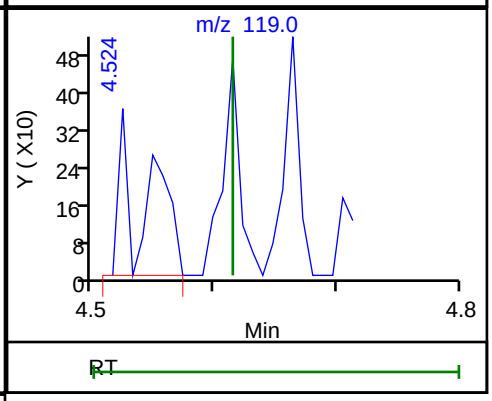
52 Carbon tetrachloride, CAS: 56-23-5

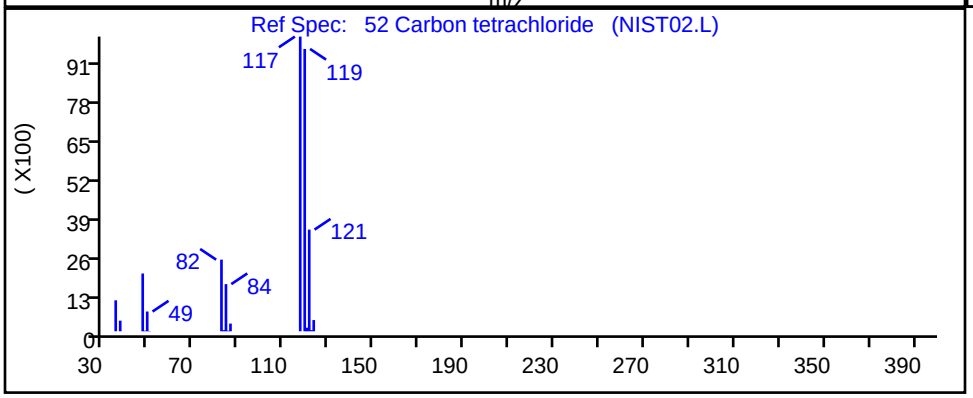
Processing Results











RT	Mass	Response	Amount
4.51	117.00	282	0.046133
4.52	119.00	554	

Reviewer: tupayachia, 11-Jul-2021 11:19:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

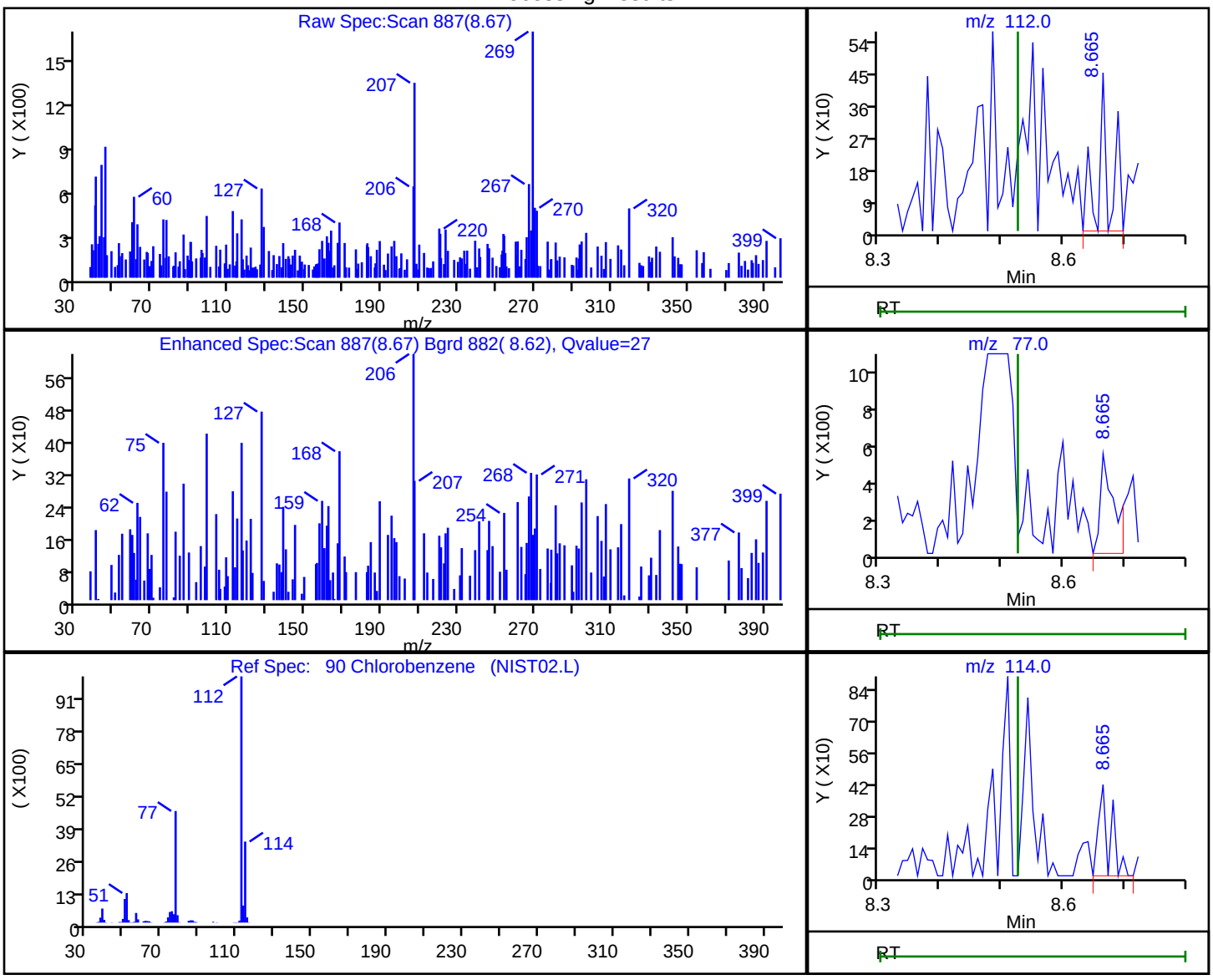
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

90 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
8.67	112.00	563	0.059347
8.67	77.00	820	
8.67	114.00	522	

Reviewer: tupayachia, 11-Jul-2021 11:20:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

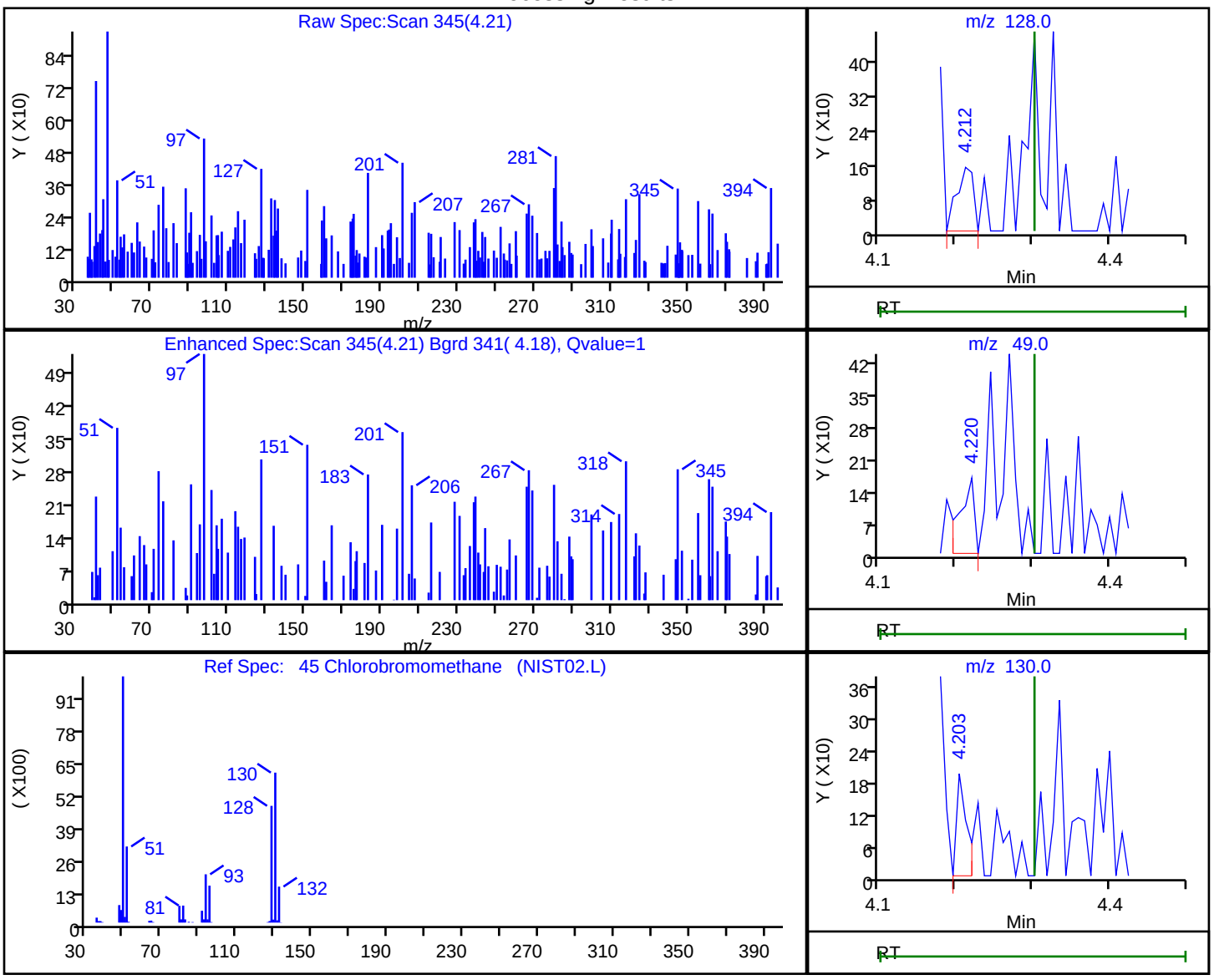
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

45 Chlorobromomethane, CAS: 74-97-5

Processing Results



RT	Mass	Response	Amount
4.21	128.00	223	0.096051
4.22	49.00	213	
4.20	130.00	177	

Reviewer: tupayachia, 11-Jul-2021 11:19:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

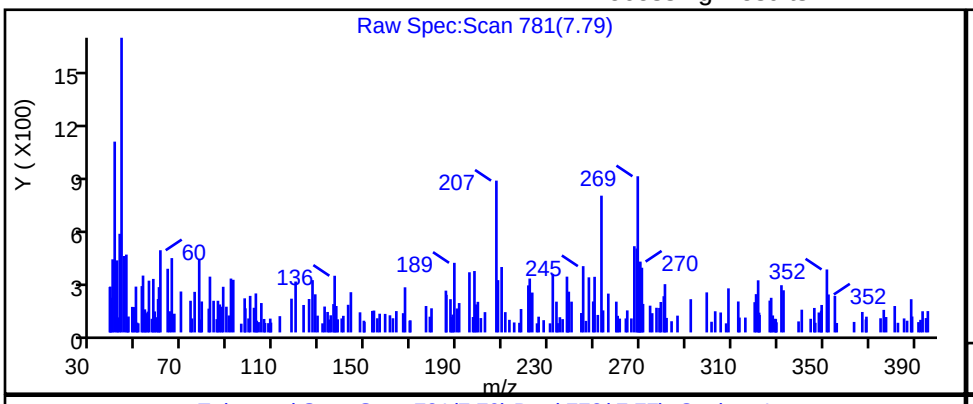
User Disabled Compound Report

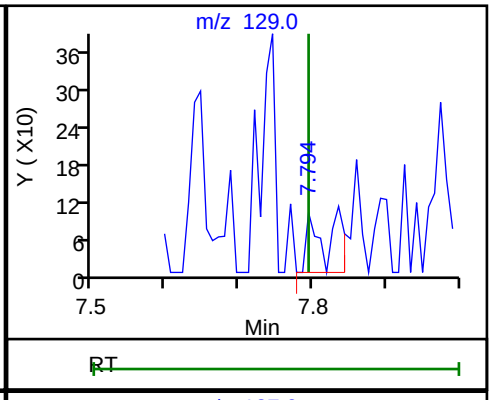
Eurofins TestAmerica, Edison

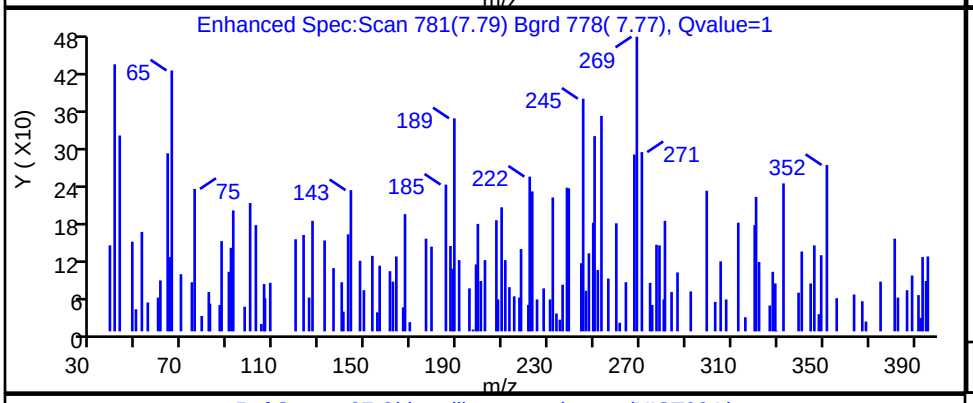
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

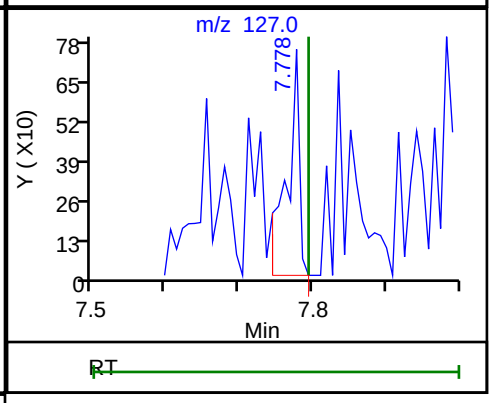
87 Chlorodibromomethane, CAS: 124-48-1

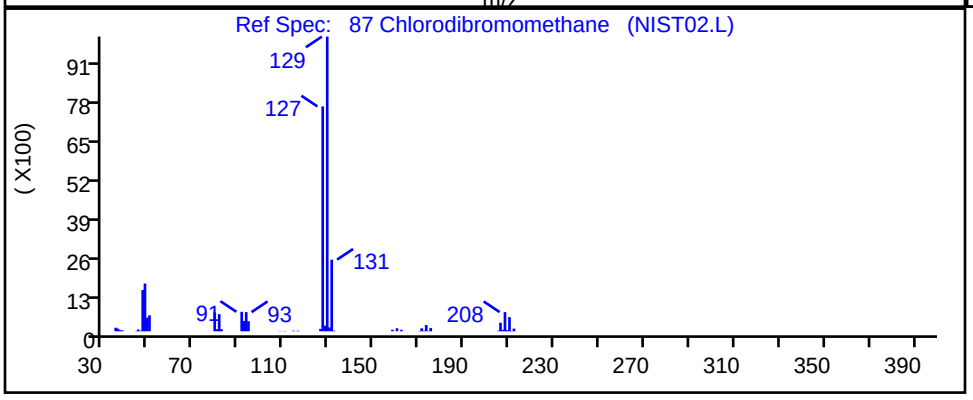
Processing Results











RT	Mass	Response	Amount
7.79	129.00	220	0.070766
7.78	127.00	888	

Reviewer: tupayachia, 11-Jul-2021 11:20:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

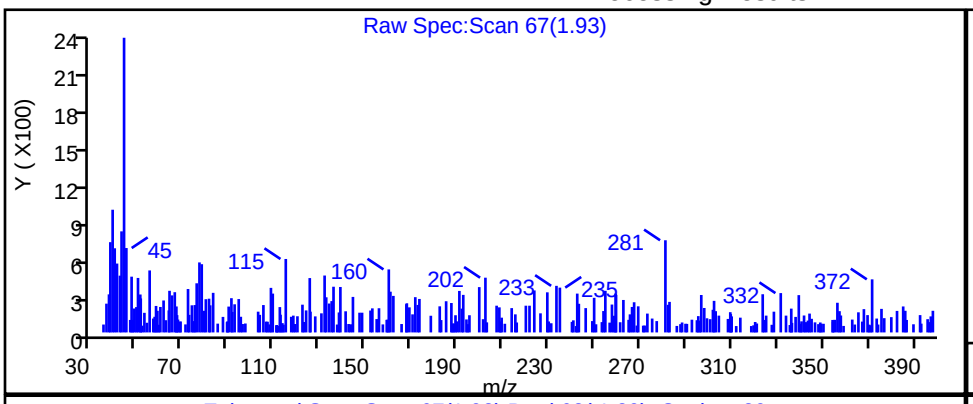
User Disabled Compound Report

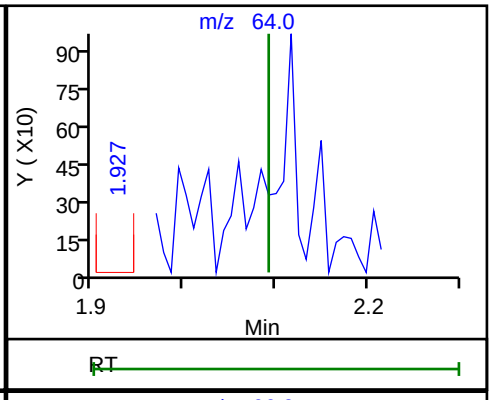
Eurofins TestAmerica, Edison

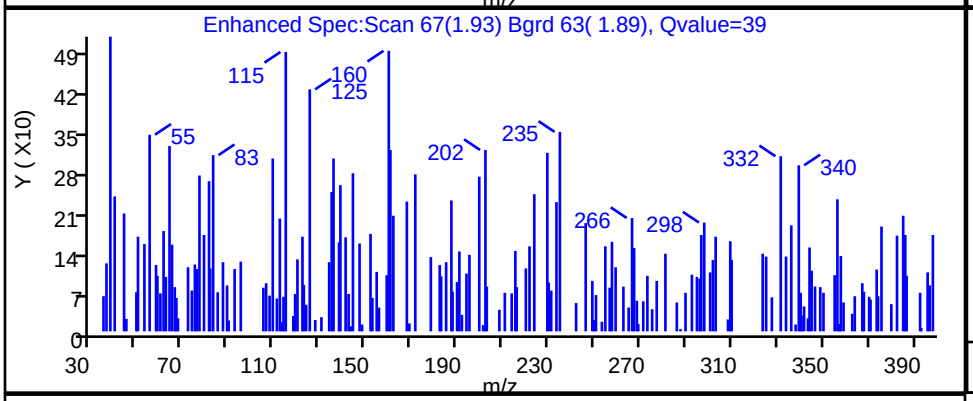
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

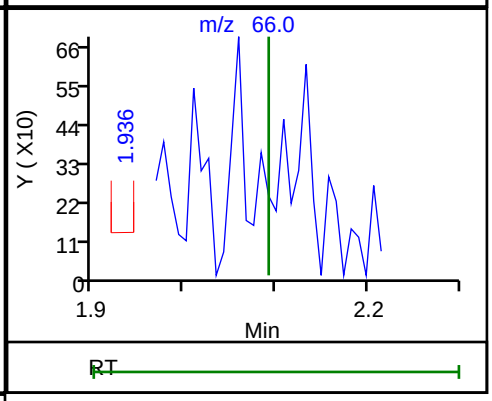
6 Chloroethane, CAS: 75-00-3

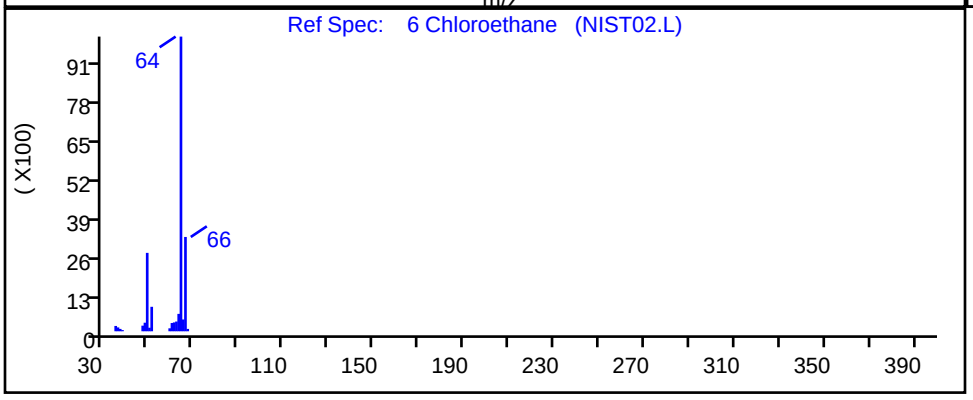
Processing Results











RT	Mass	Response	Amount
1.93	64.00	403	0.112187
1.94	66.00	303	

Reviewer: tupayachia, 10-Jul-2021 12:07:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

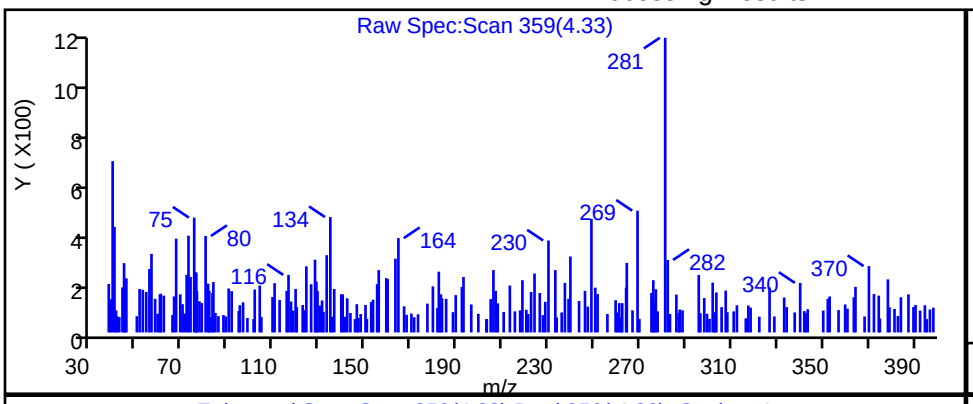
User Disabled Compound Report

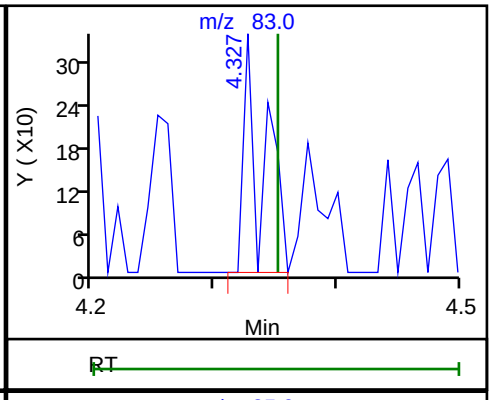
Eurofins TestAmerica, Edison

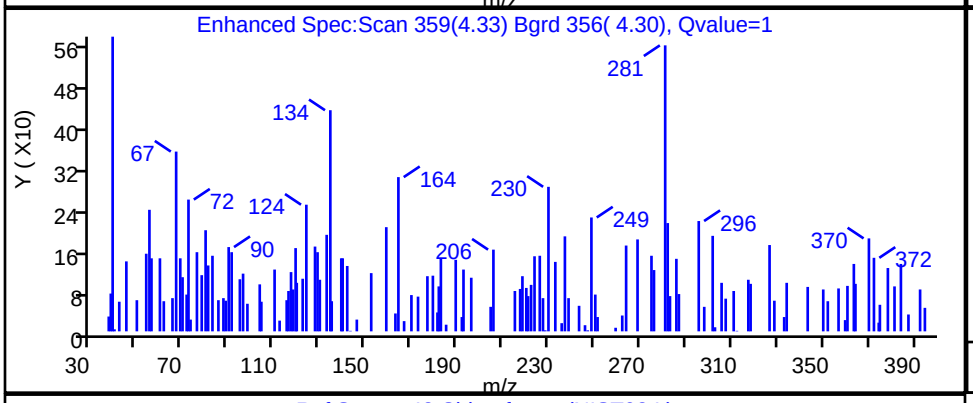
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

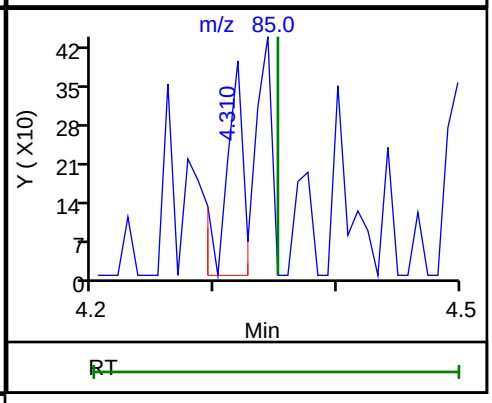
48 Chloroform, CAS: 67-66-3

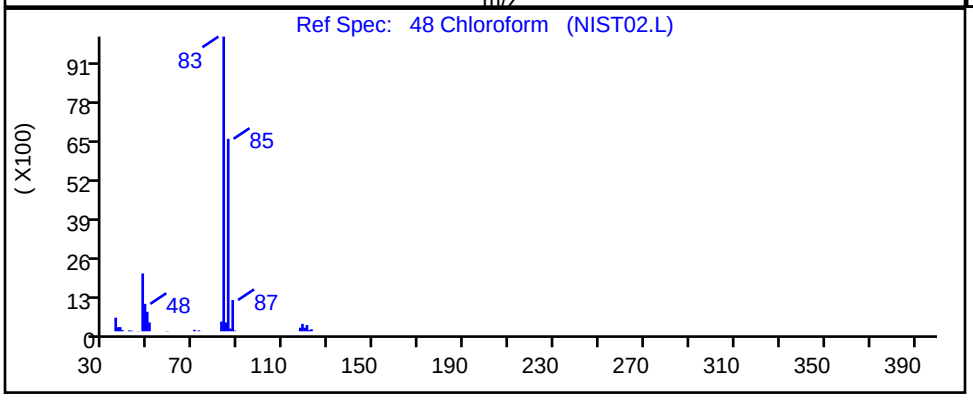
Processing Results











RT	Mass	Response	Amount
4.33	83.00	368	0.053395
4.31	85.00	388	

Reviewer: tupayachia, 11-Jul-2021 11:19:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

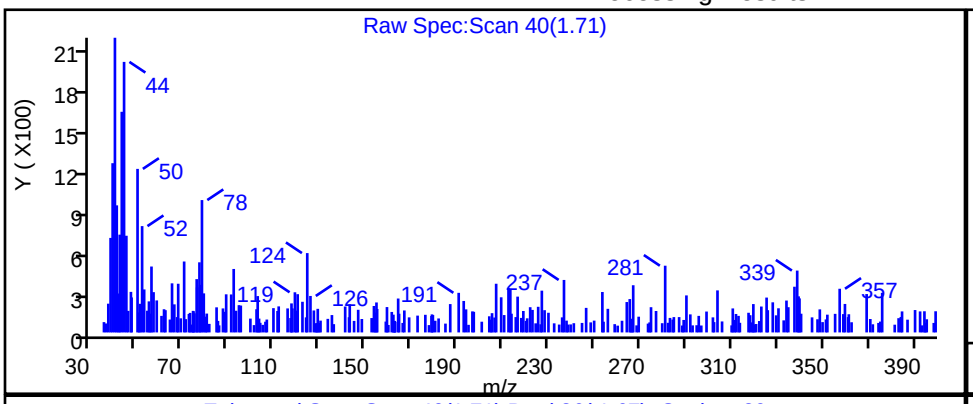
User Disabled Compound Report

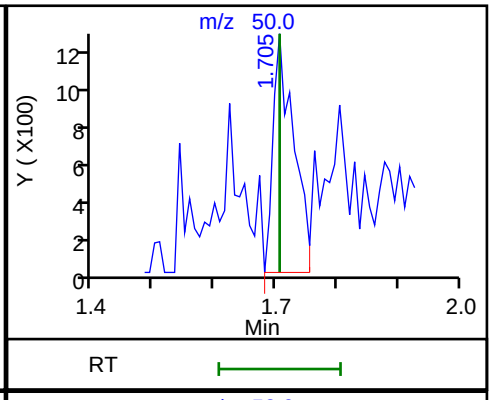
Eurofins TestAmerica, Edison

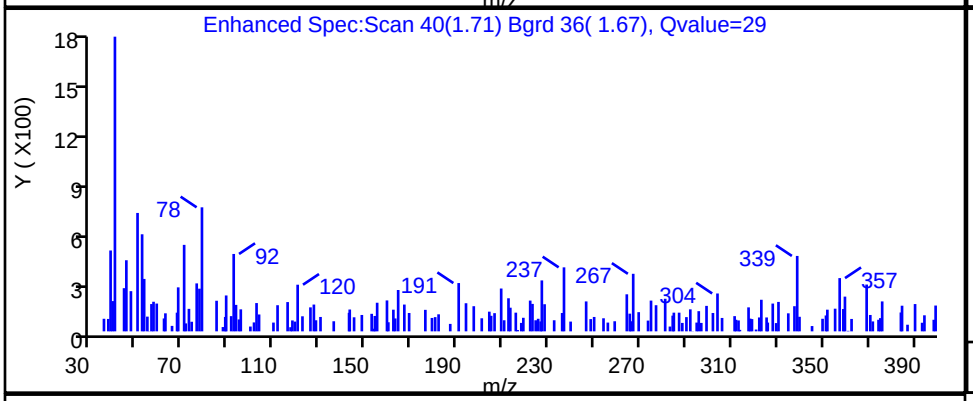
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

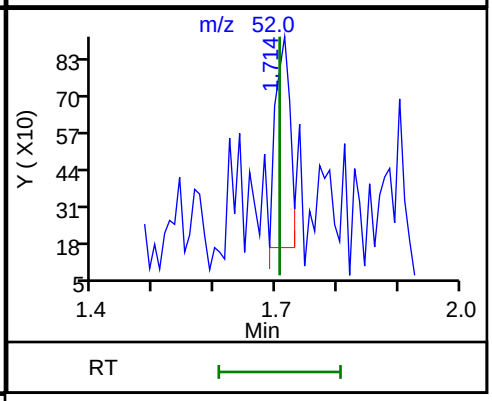
2 Chloromethane, CAS: 74-87-3

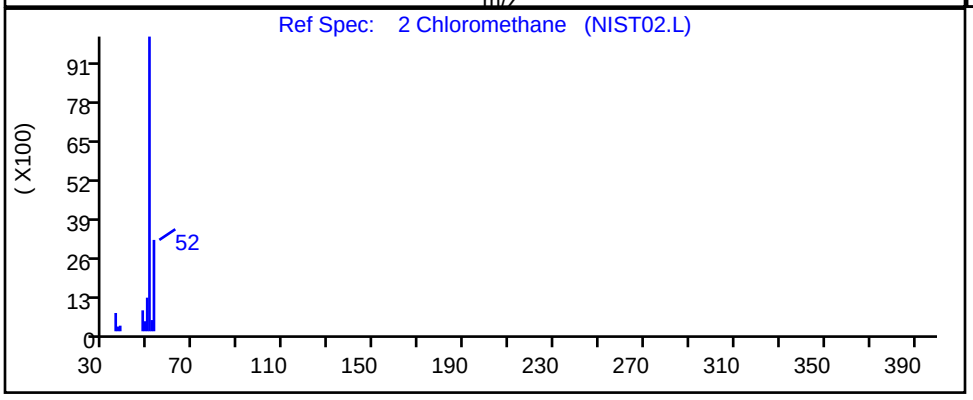
Processing Results











RT	Mass	Response	Amount
1.71	50.00	2837	0.420861
1.71	52.00	1258	

Reviewer: tupayachia, 10-Jul-2021 12:06:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

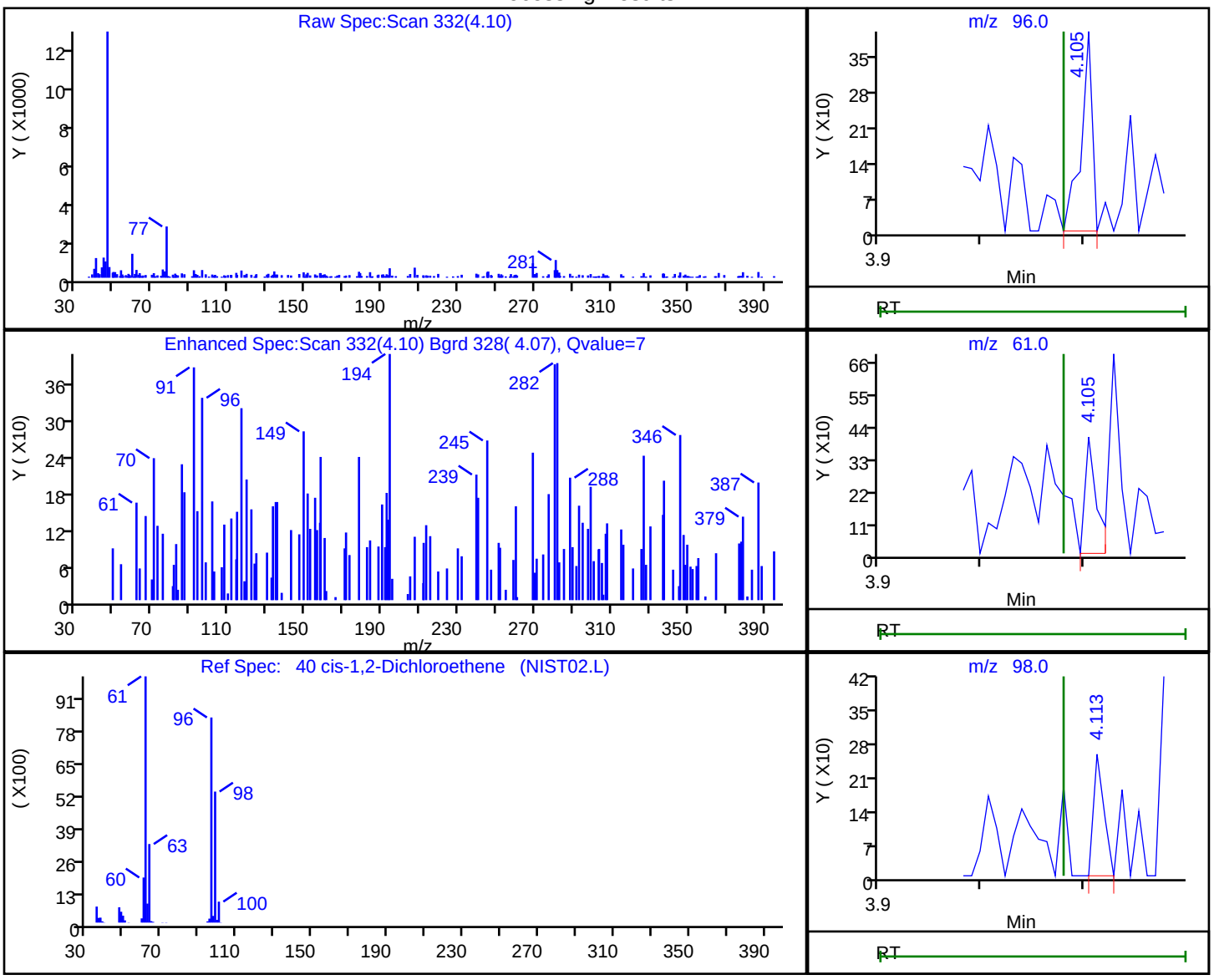
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
4.10	96.00	300	0.076386
4.10	61.00	316	
4.11	98.00	184	

Reviewer: tupayachia, 11-Jul-2021 11:19:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

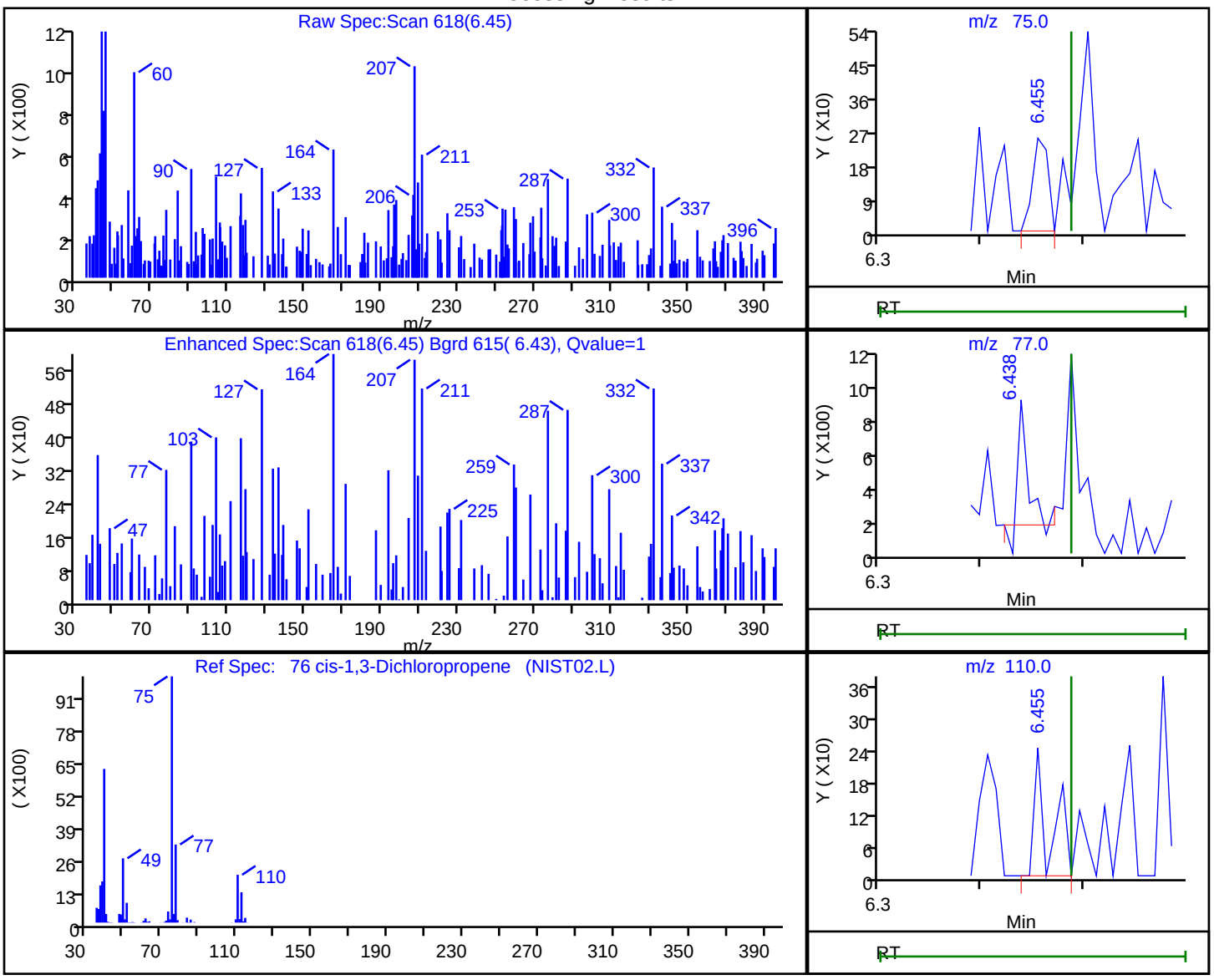
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

76 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results



RT	Mass	Response	Amount
6.45	75.00	266	0.060205
6.44	77.00	436	
6.45	110.00	244	

Reviewer: tupayachia, 11-Jul-2021 11:20:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

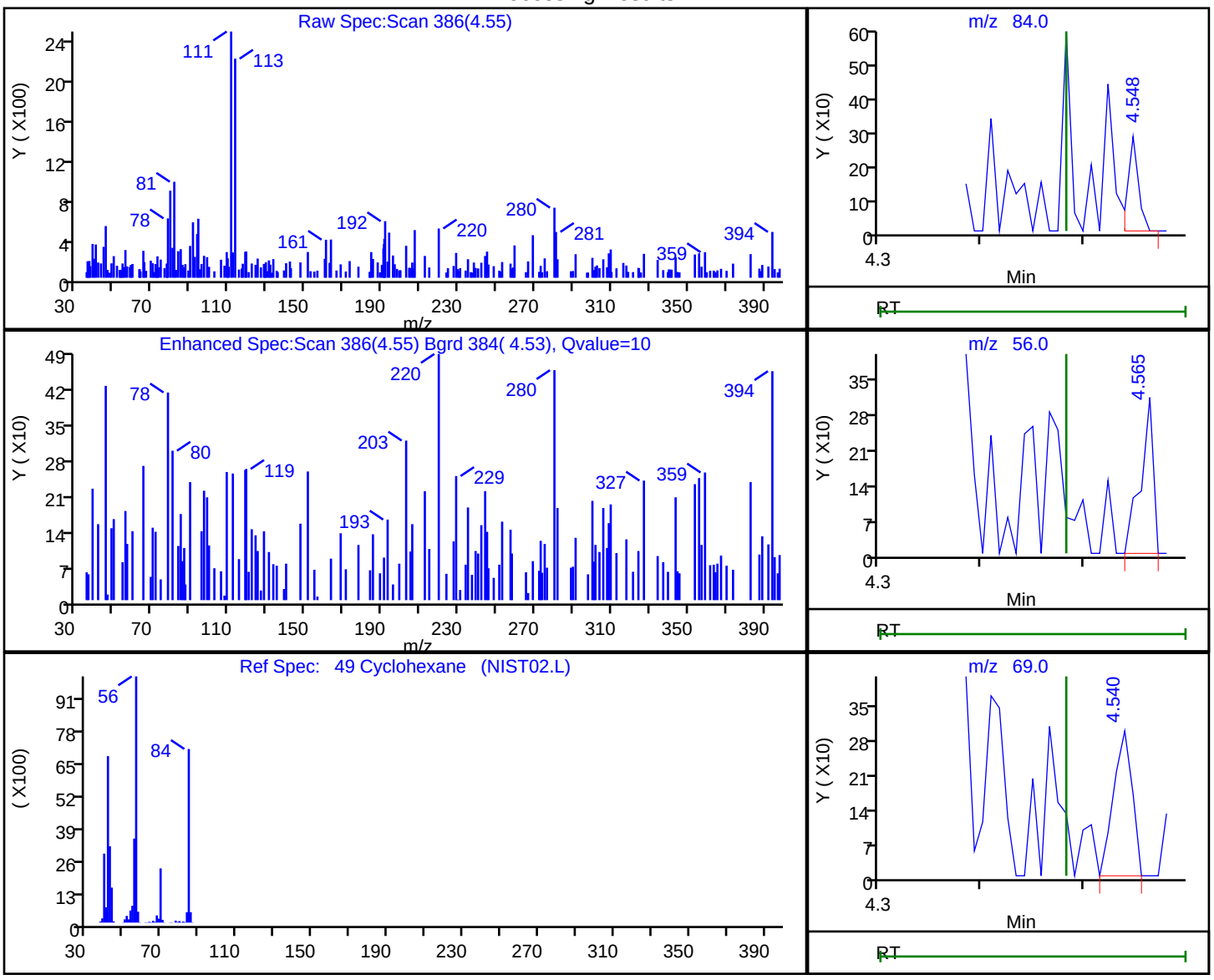
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.55	84.00	203	0.033671
4.56	56.00	270	
4.54	69.00	379	

Reviewer: tupayachia, 11-Jul-2021 11:19:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

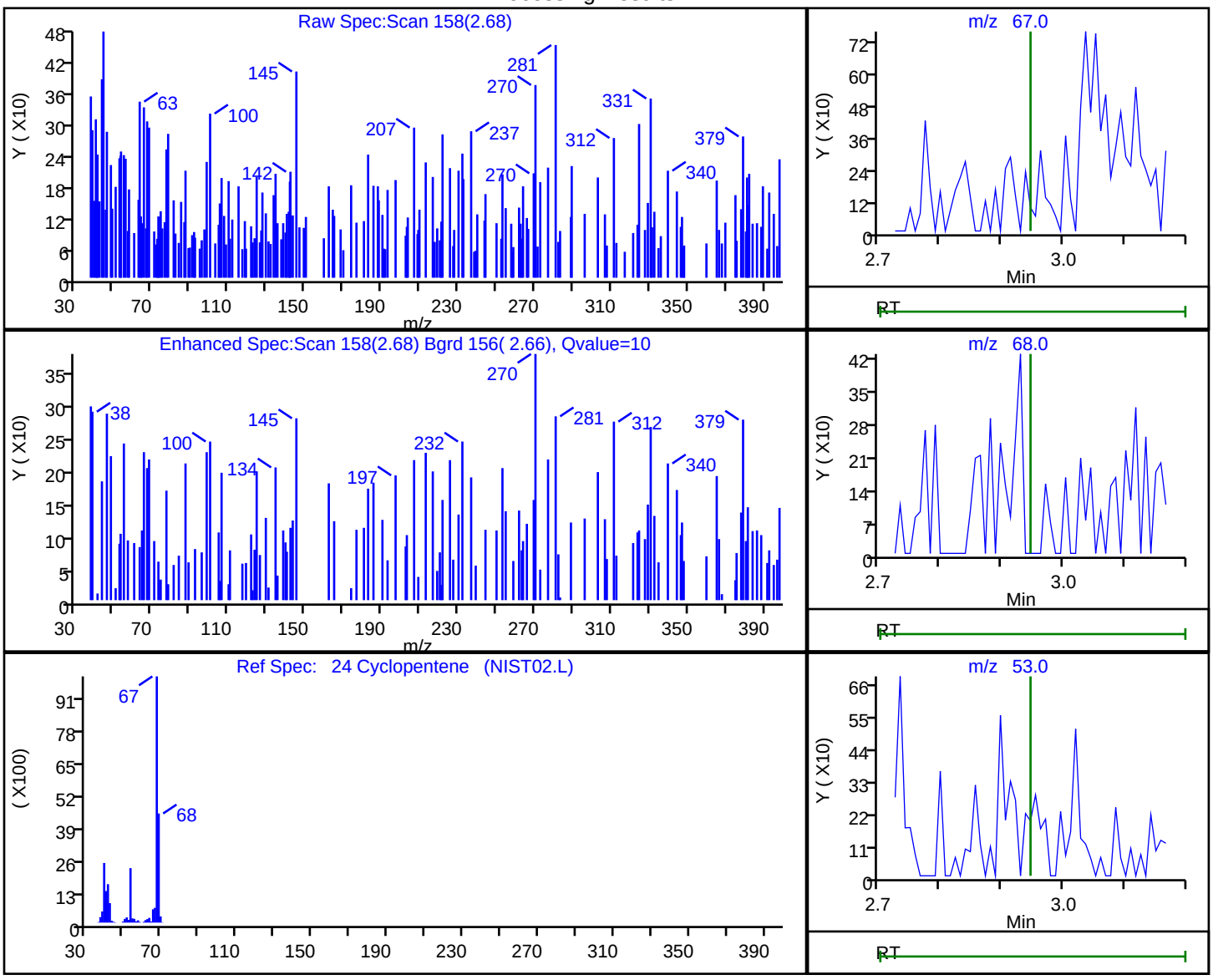
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

24 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
2.68	67.00	324	0.029408
2.68	68.00	351	
2.68	53.00	1176	

Reviewer: tupayachia, 10-Jul-2021 12:07:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

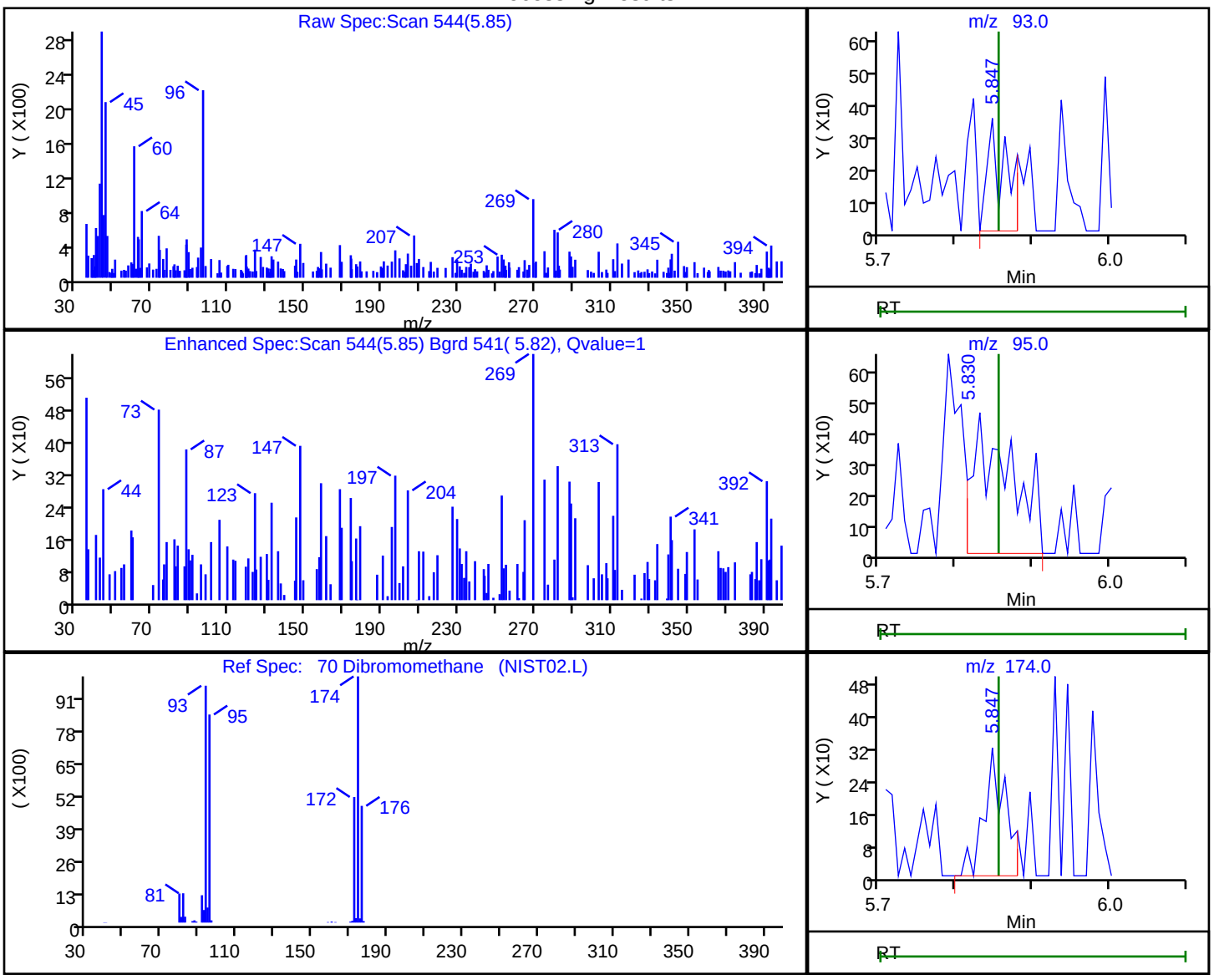
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

70 Dibromomethane, CAS: 74-95-3

Processing Results



RT	Mass	Response	Amount
5.85	93.00	611	0.278554
5.83	95.00	1589	
5.85	174.00	620	

Reviewer: tupayachia, 11-Jul-2021 11:20:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

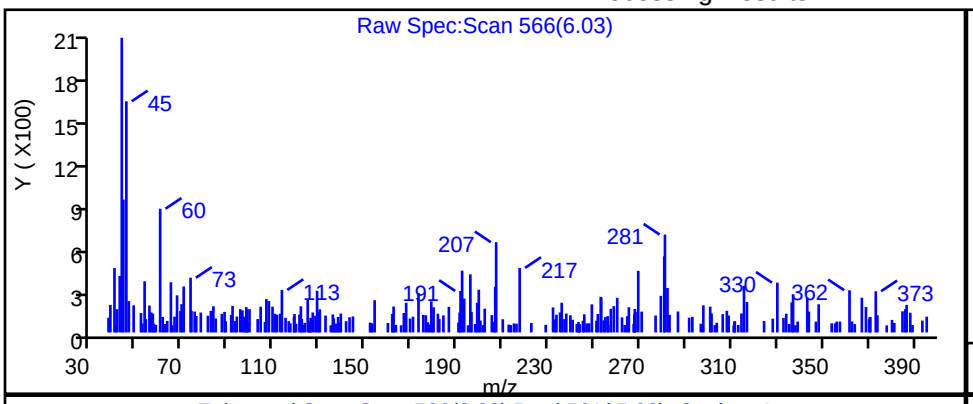
User Disabled Compound Report

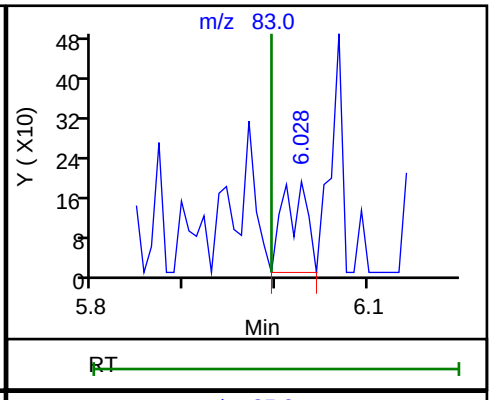
Eurofins TestAmerica, Edison

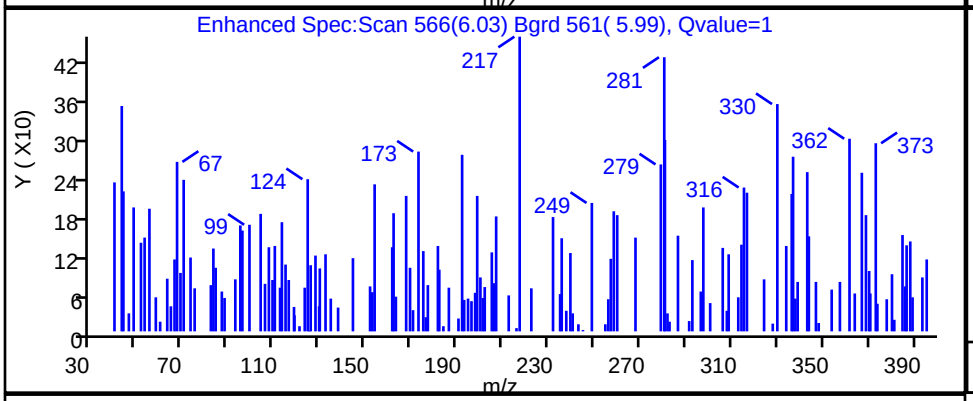
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

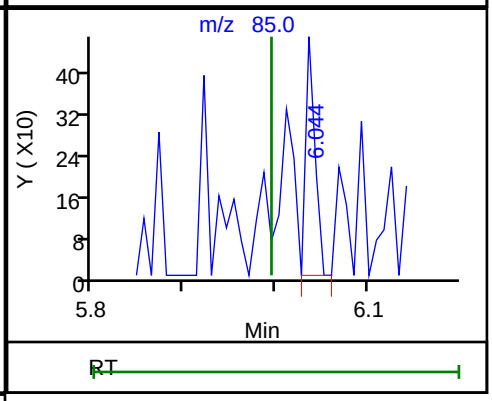
72 Dichlorobromomethane, CAS: 75-27-4

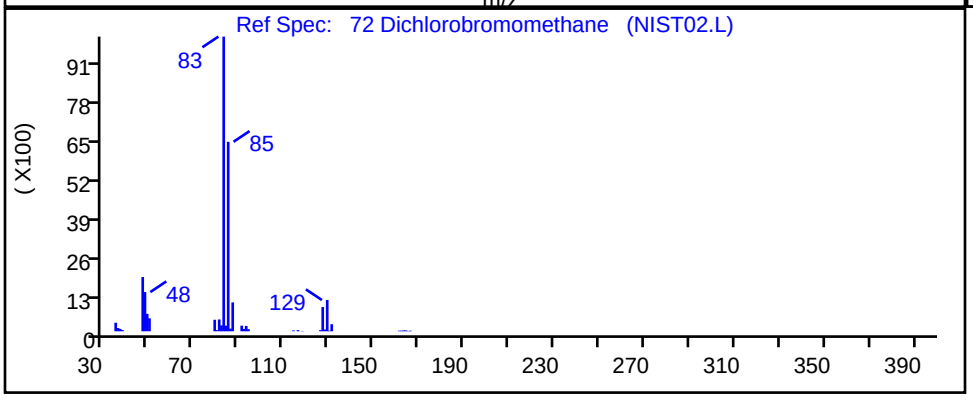
Processing Results











RT	Mass	Response	Amount
6.03	83.00	332	0.069128
6.04	85.00	323	

Reviewer: tupayachia, 11-Jul-2021 11:20:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

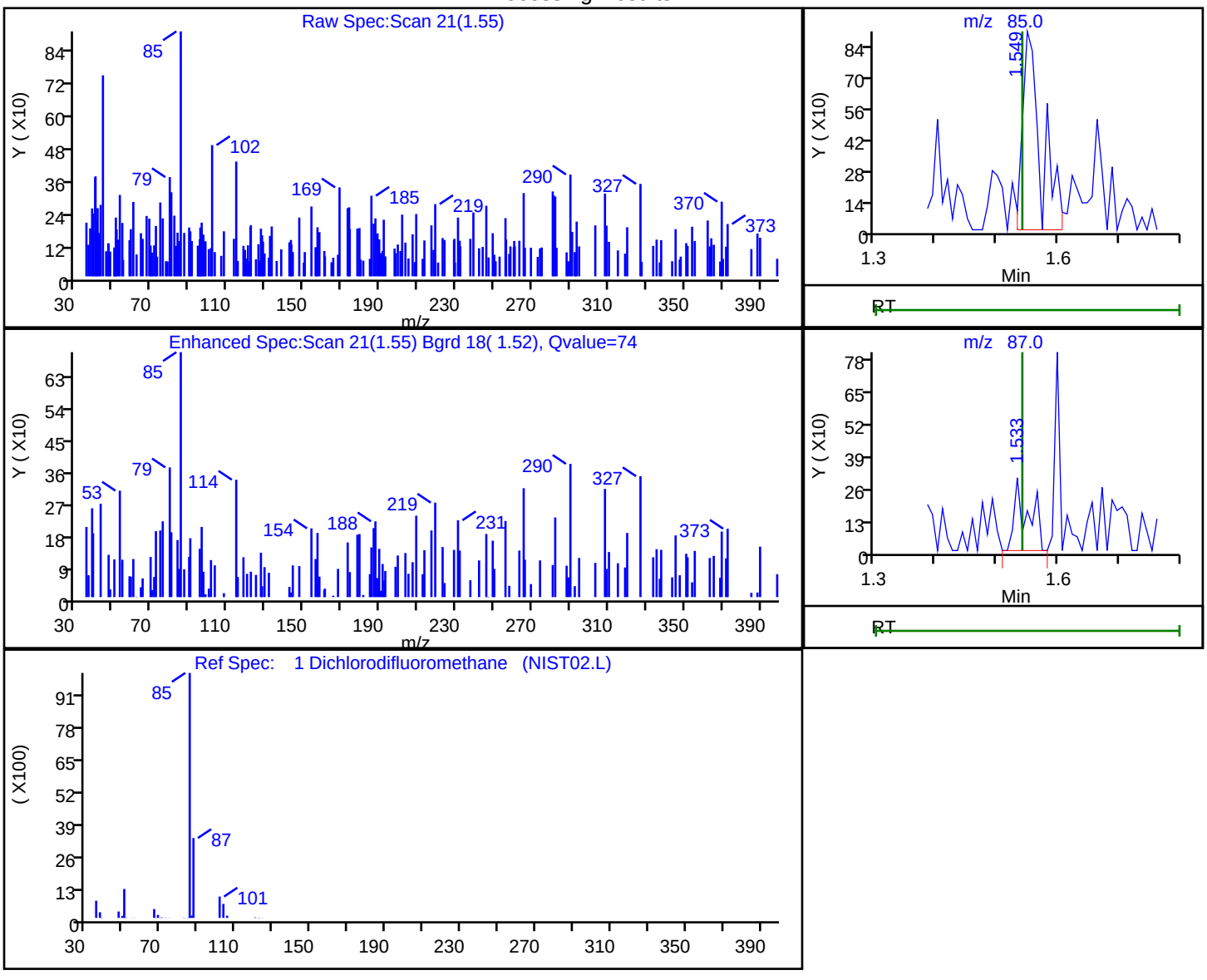
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

1 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.55	85.00	1909	0.274663
1.53	87.00	471	

Reviewer: tupayachia, 10-Jul-2021 12:06:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

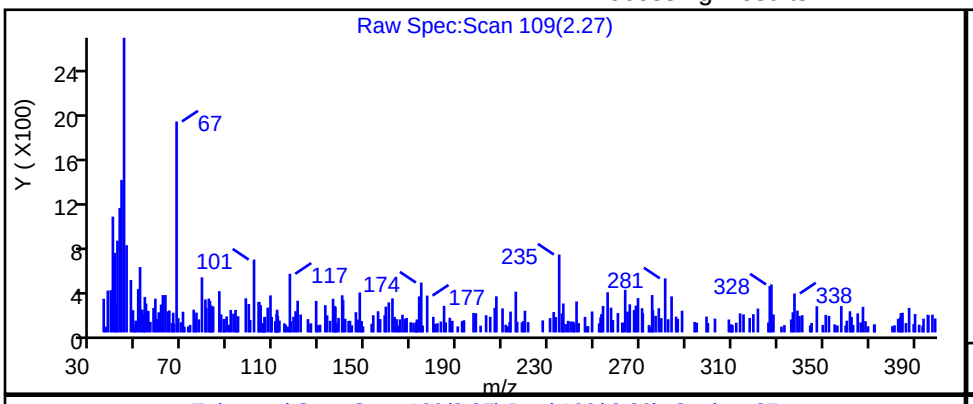
User Disabled Compound Report

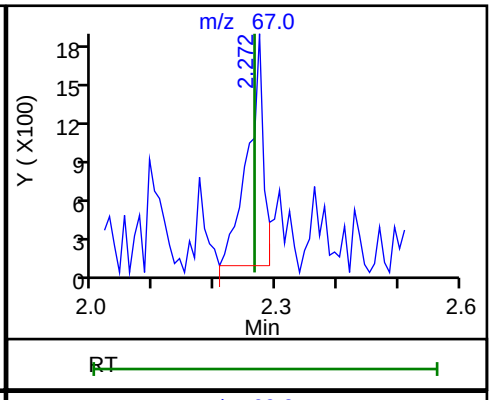
Eurofins TestAmerica, Edison

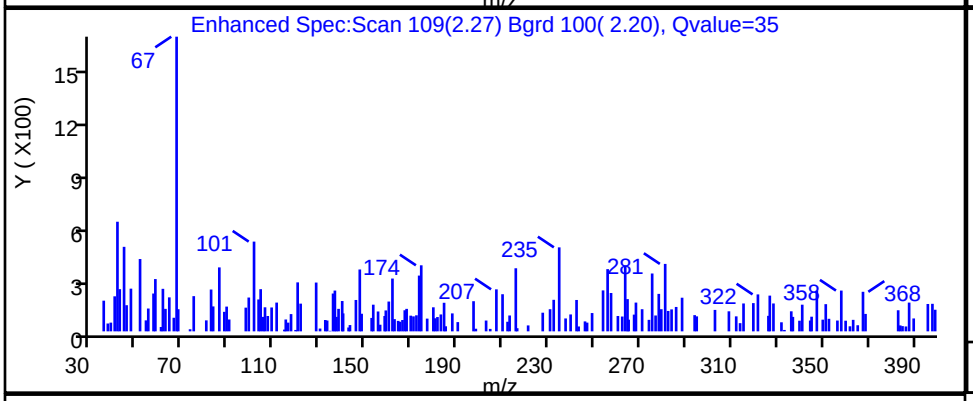
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

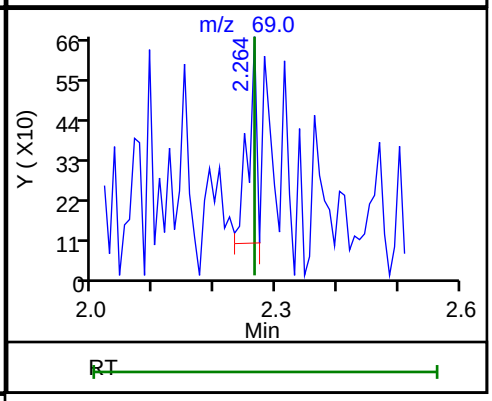
7 Dichlorofluoromethane, CAS: 75-43-4

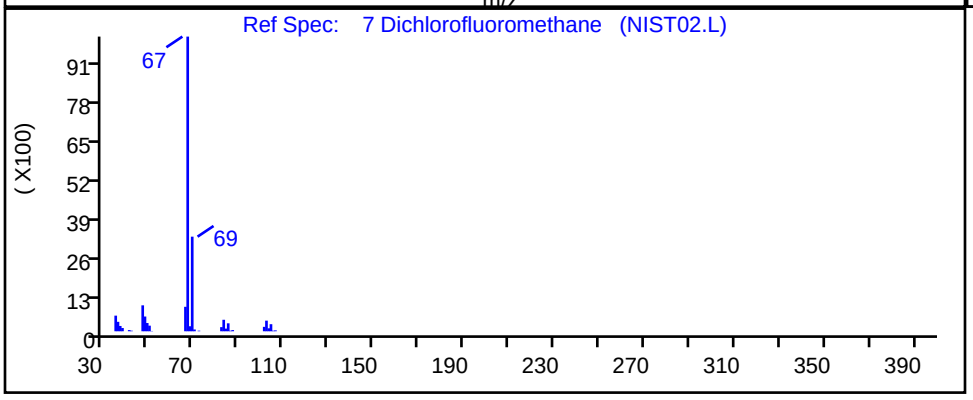
Processing Results











RT	Mass	Response	Amount
2.27	67.00	3254	0.321633
2.26	69.00	553	

Reviewer: tupayachia, 10-Jul-2021 12:07:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

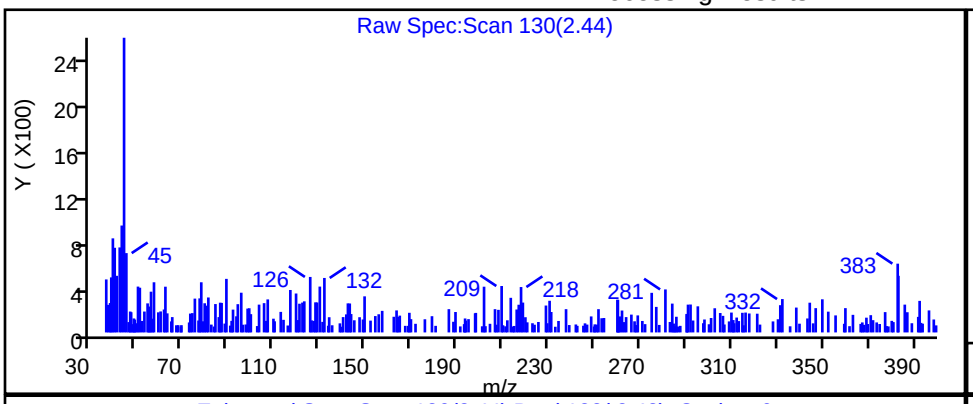
User Disabled Compound Report

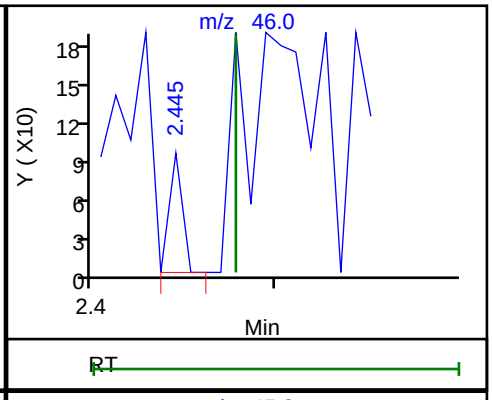
Eurofins TestAmerica, Edison

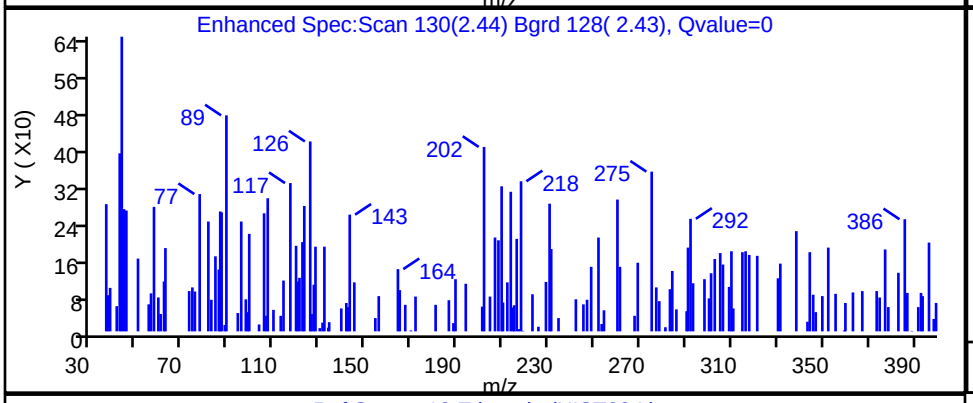
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

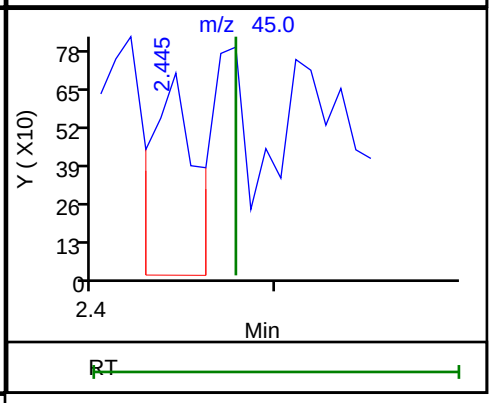
10 Ethanol, CAS: 64-17-5

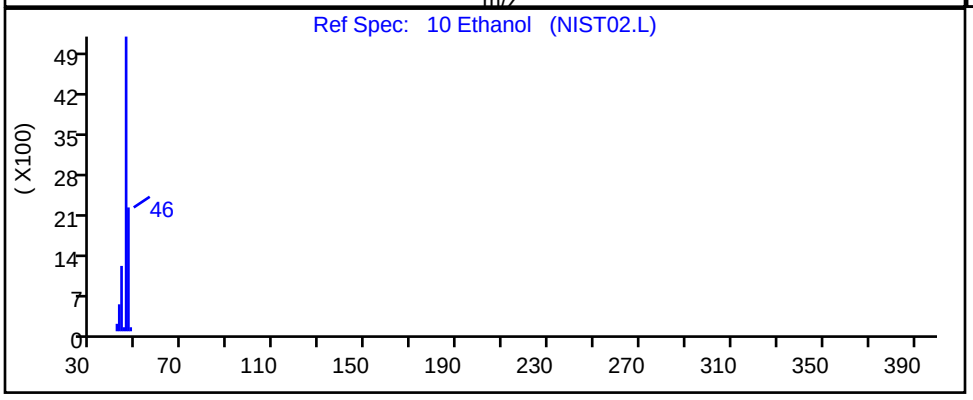
Processing Results











RT	Mass	Response	Amount
2.44	46.00	45	2.314780
2.44	45.00	1196	

Reviewer: tupayachia, 10-Jul-2021 12:07:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

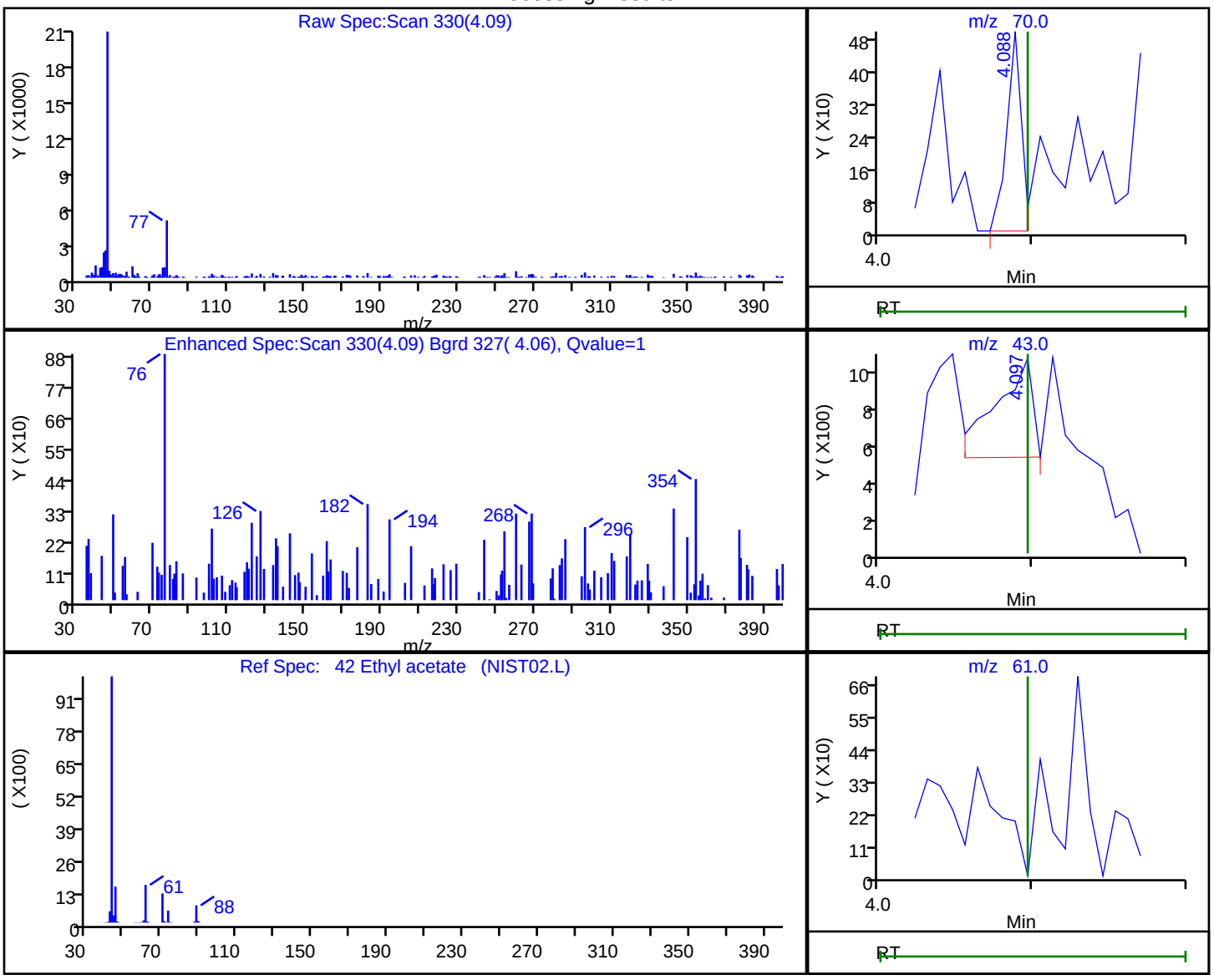
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

42 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
4.09	70.00	333	1.054130
4.10	43.00	910	
4.09	61.00	0	

Reviewer: tupayachia, 11-Jul-2021 11:19:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

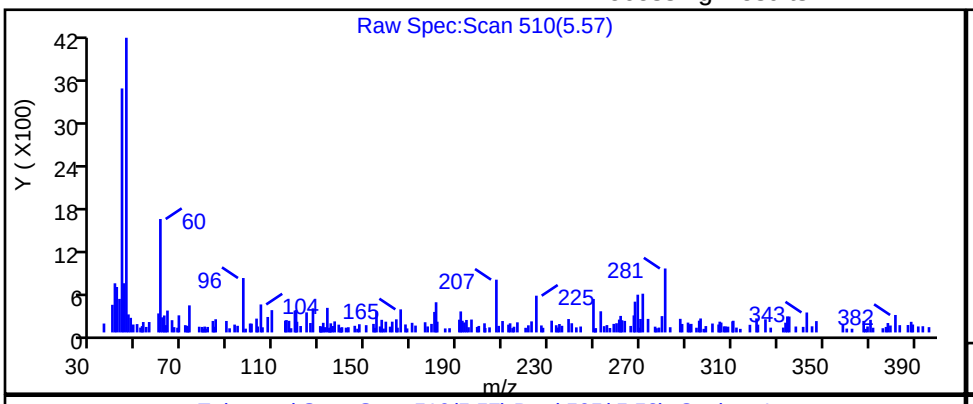
User Disabled Compound Report

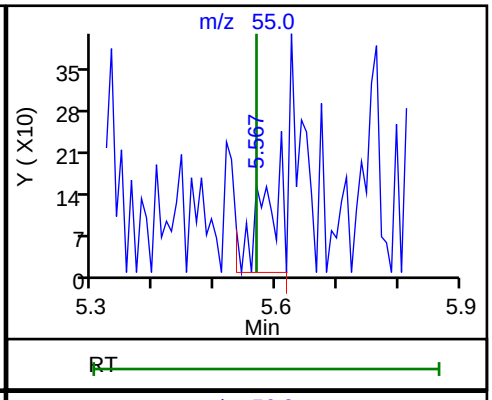
Eurofins TestAmerica, Edison

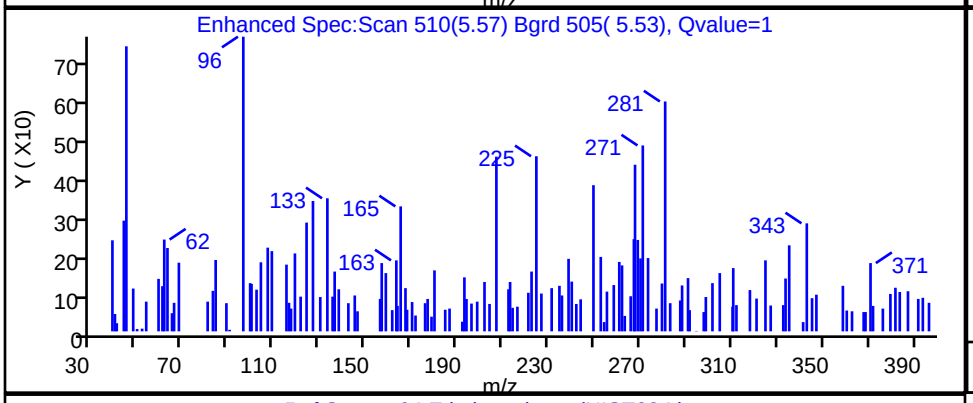
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

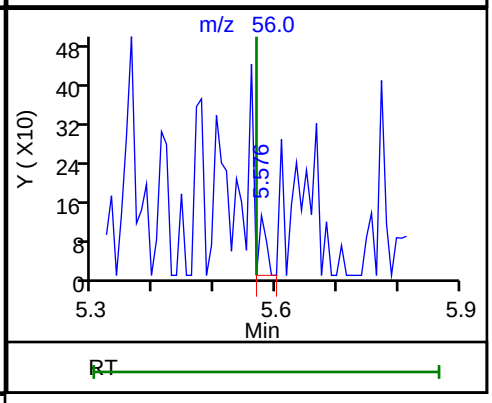
64 Ethyl acrylate, CAS: 140-88-5

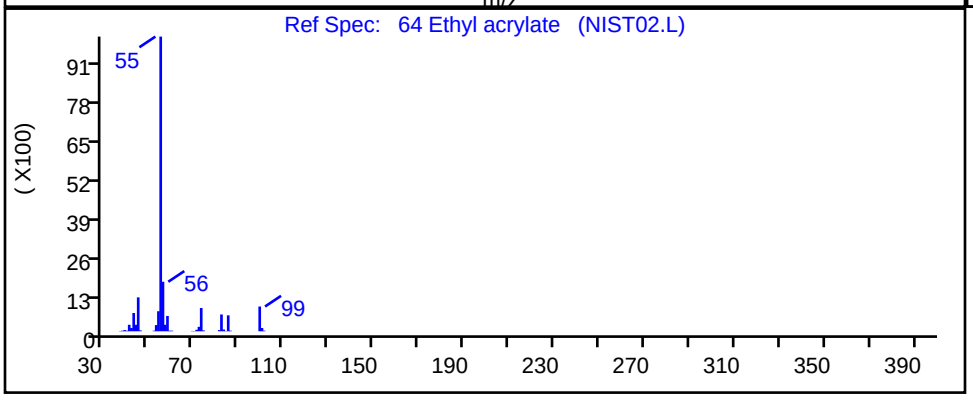
Processing Results











RT	Mass	Response	Amount
5.57	55.00	467	0.052975
5.58	56.00	96	

Reviewer: tupayachia, 11-Jul-2021 11:20:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

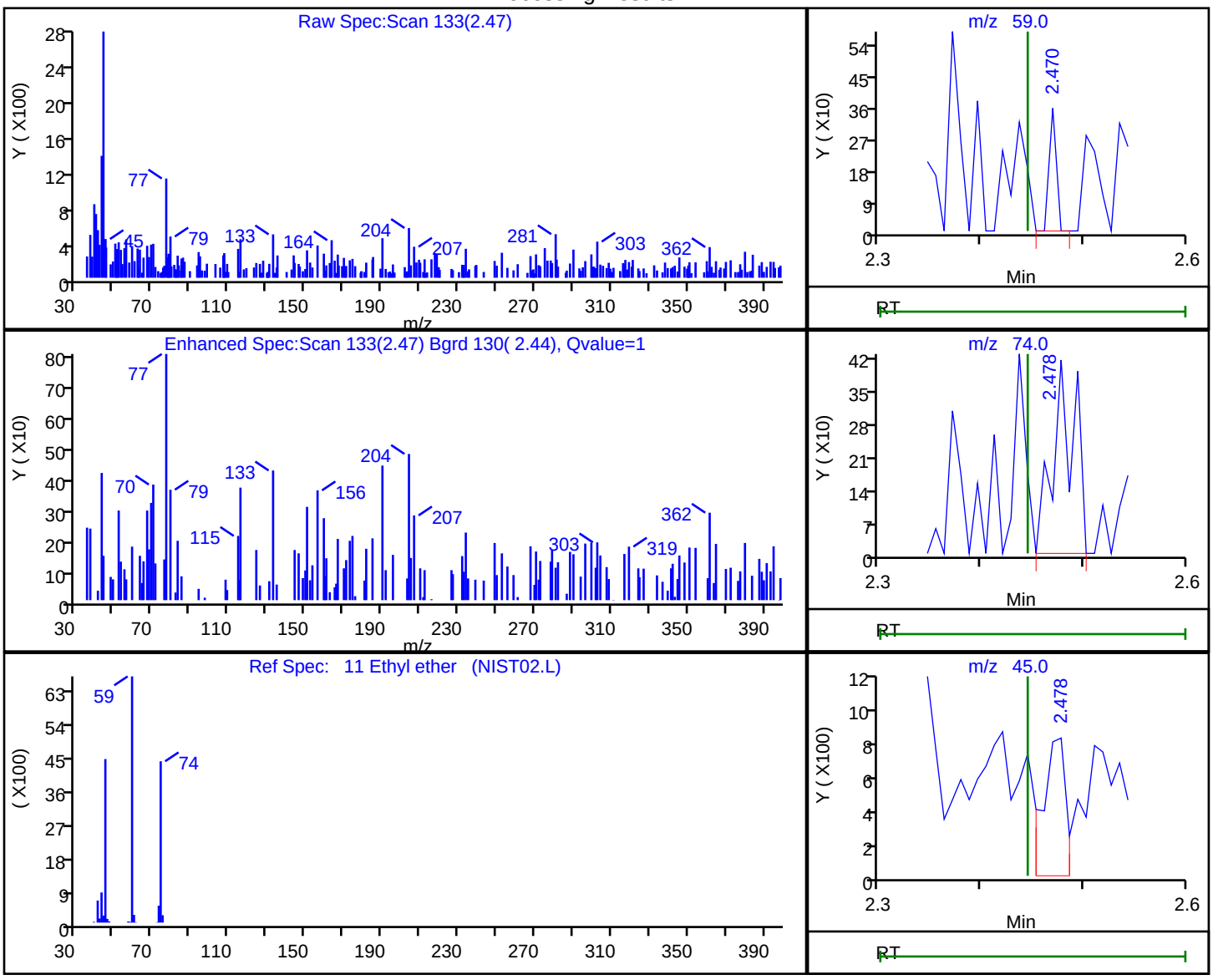
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.47	59.00	174	0.058917
2.48	74.00	614	
2.48	45.00	1250	

Reviewer: tupayachia, 10-Jul-2021 12:07:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

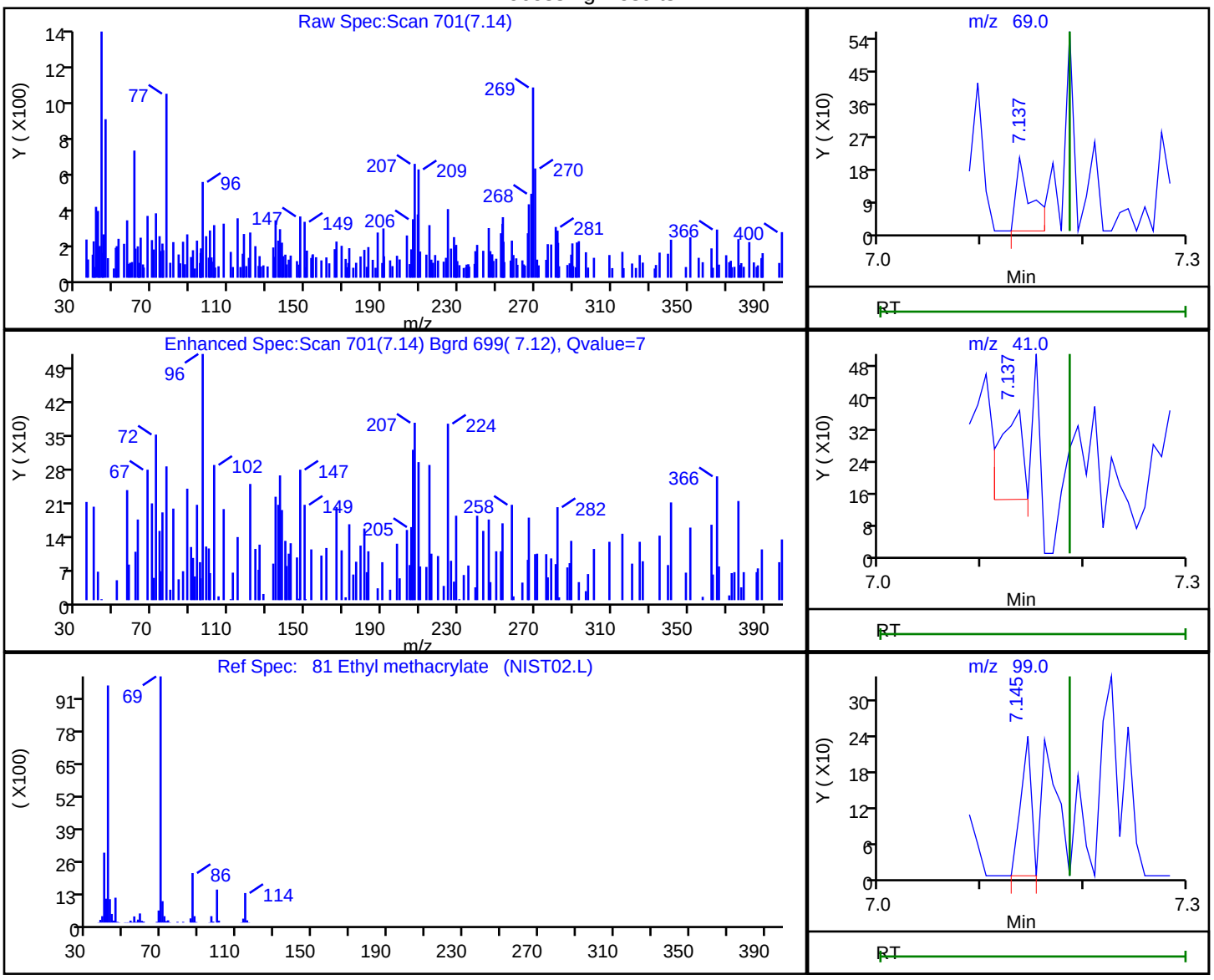
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

81 Ethyl methacrylate, CAS: 97-63-2

Processing Results



RT	Mass	Response	Amount
7.14	69.00	213	0.054724
7.14	41.00	348	
7.15	99.00	170	

Reviewer: baronm, 14-Jul-2021 20:45:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

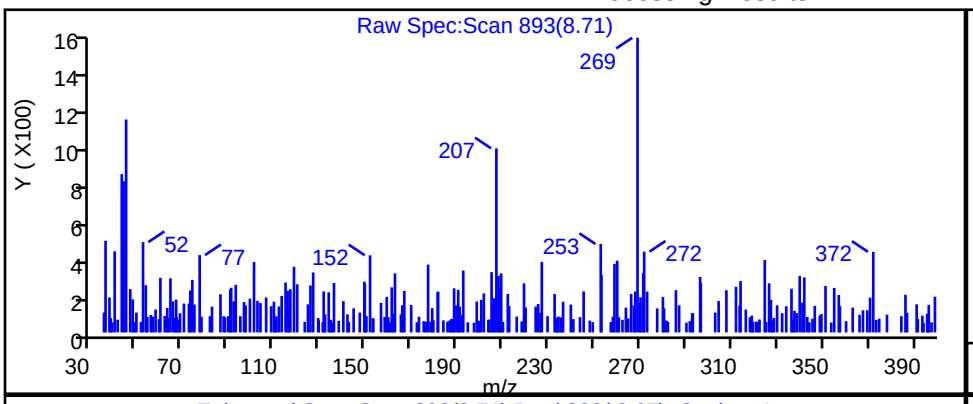
User Disabled Compound Report

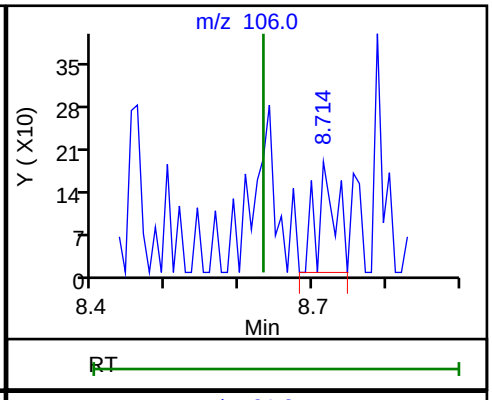
Eurofins TestAmerica, Edison

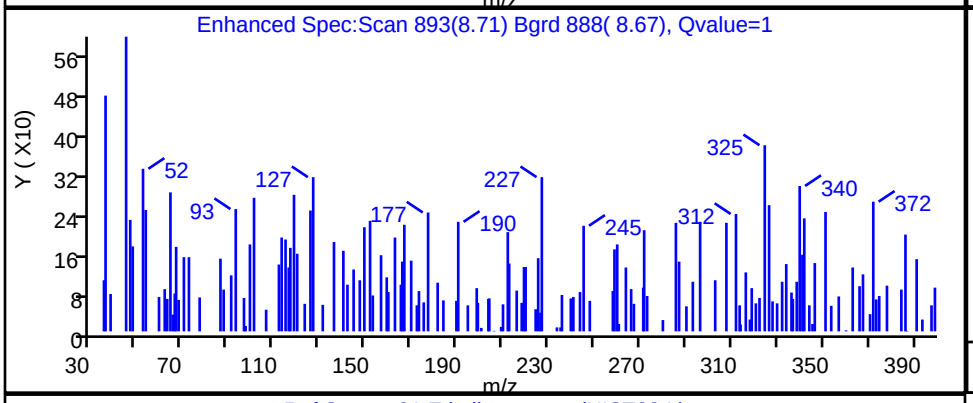
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

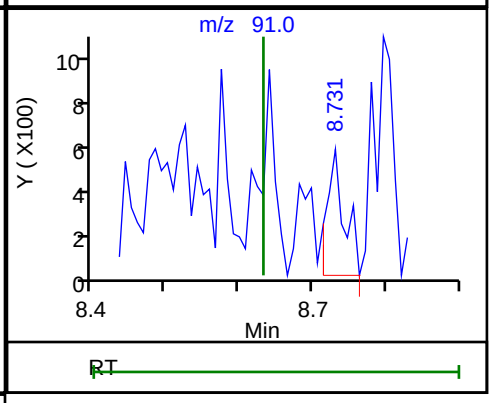
91 Ethylbenzene, CAS: 100-41-4

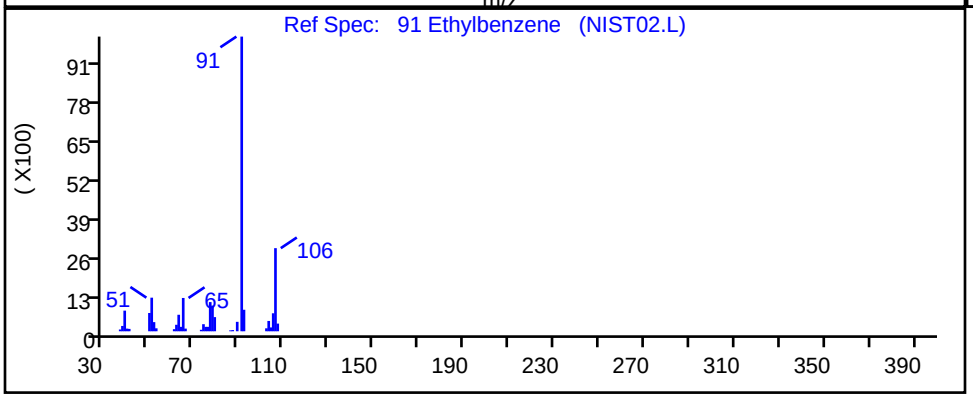
Processing Results











RT	Mass	Response	Amount
8.71	106.00	329	0.062557
8.73	91.00	930	

Reviewer: tupayachia, 11-Jul-2021 11:20:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

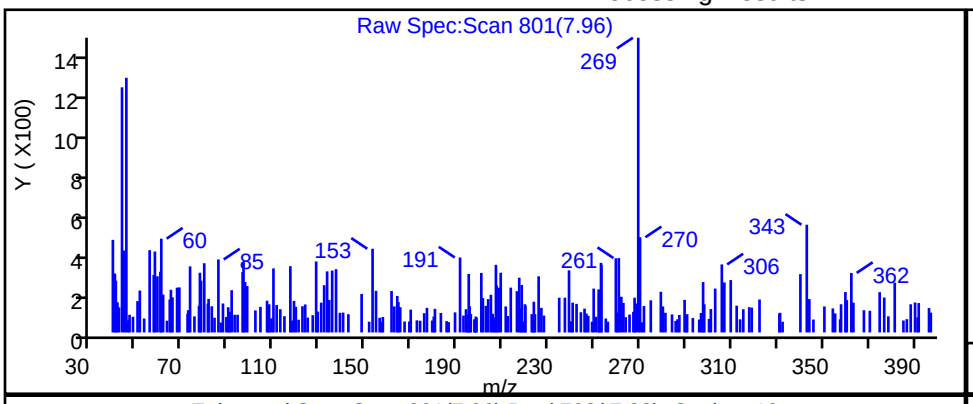
User Disabled Compound Report

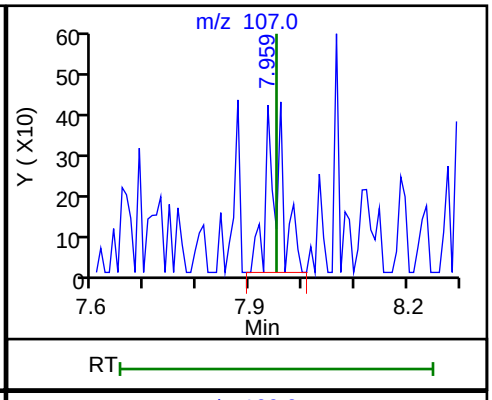
Eurofins TestAmerica, Edison

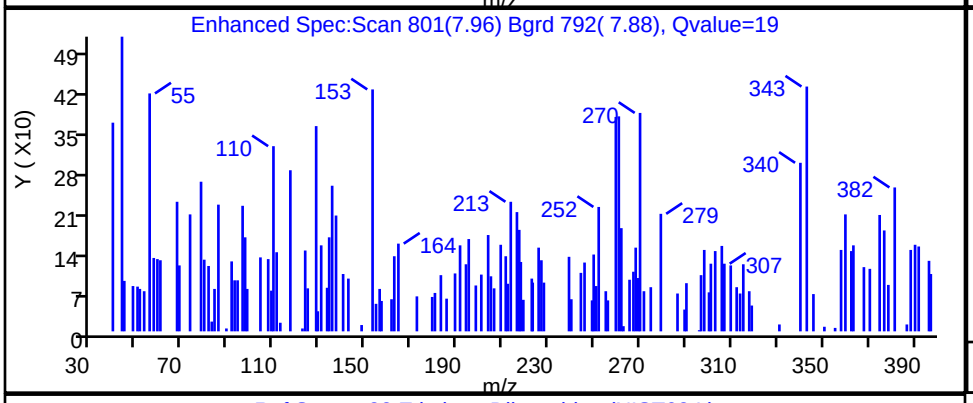
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

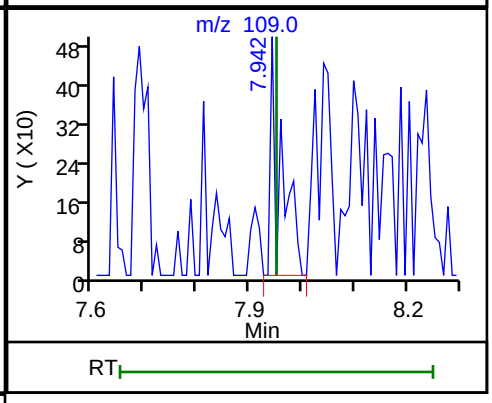
88 Ethylene Dibromide, CAS: 106-93-4

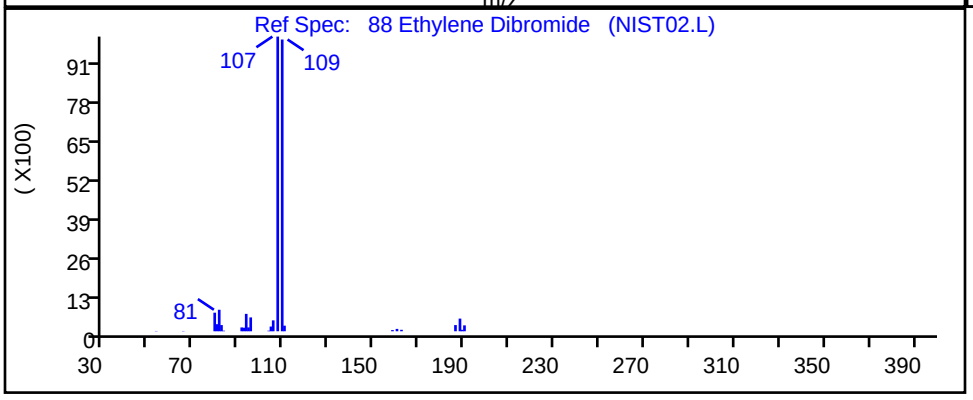
Processing Results











RT	Mass	Response	Amount
7.96	107.00	851	0.296933
7.94	109.00	674	

Reviewer: tupayachia, 11-Jul-2021 11:20:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

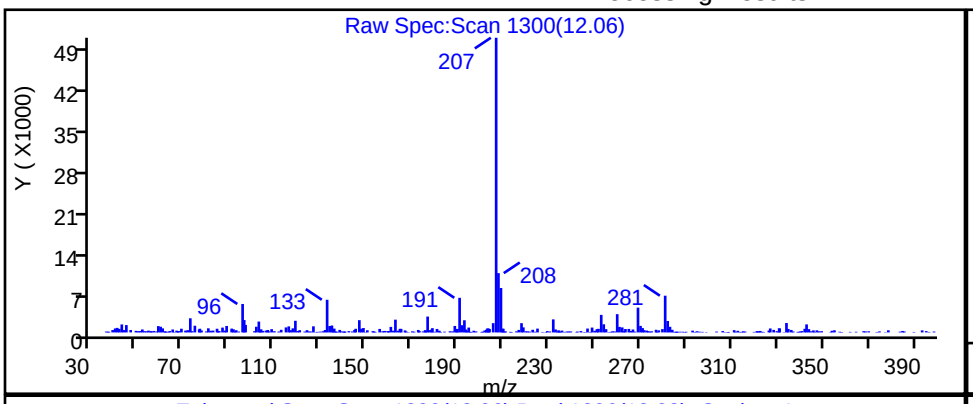
User Disabled Compound Report

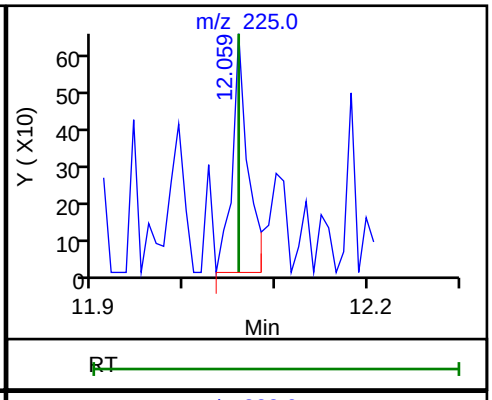
Eurofins TestAmerica, Edison

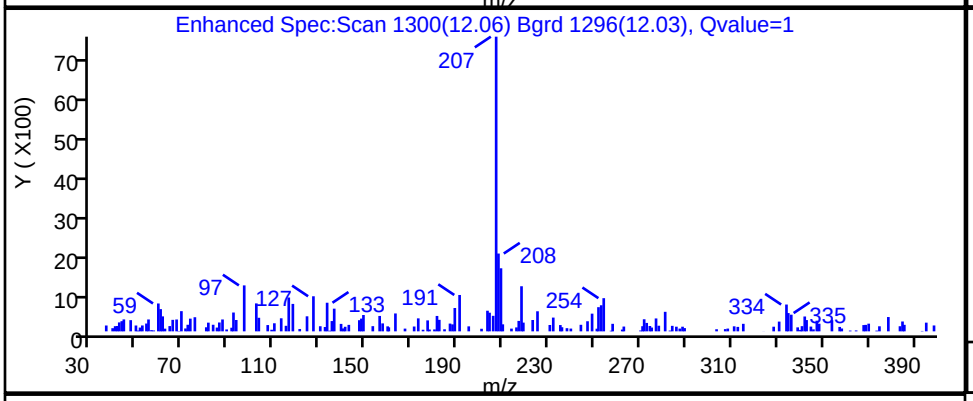
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

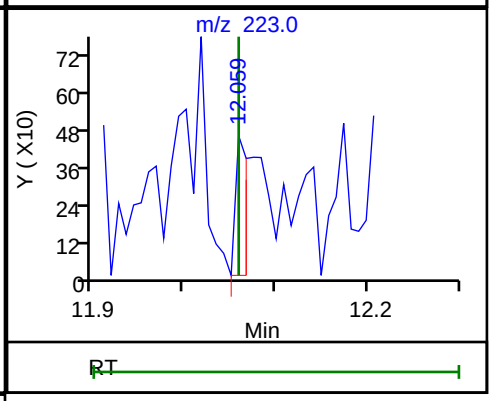
128 Hexachlorobutadiene, CAS: 87-68-3

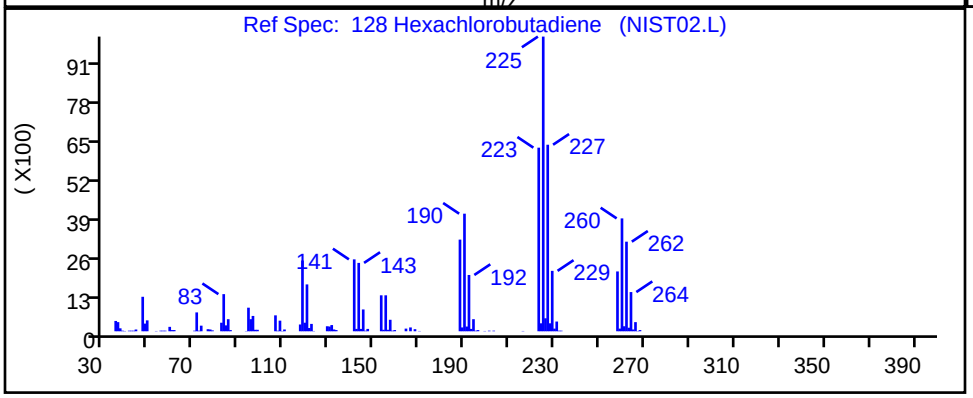
Processing Results











RT	Mass	Response	Amount
12.06	225.00	778	0.238174
12.06	223.00	413	

Reviewer: tupayachia, 11-Jul-2021 11:21:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

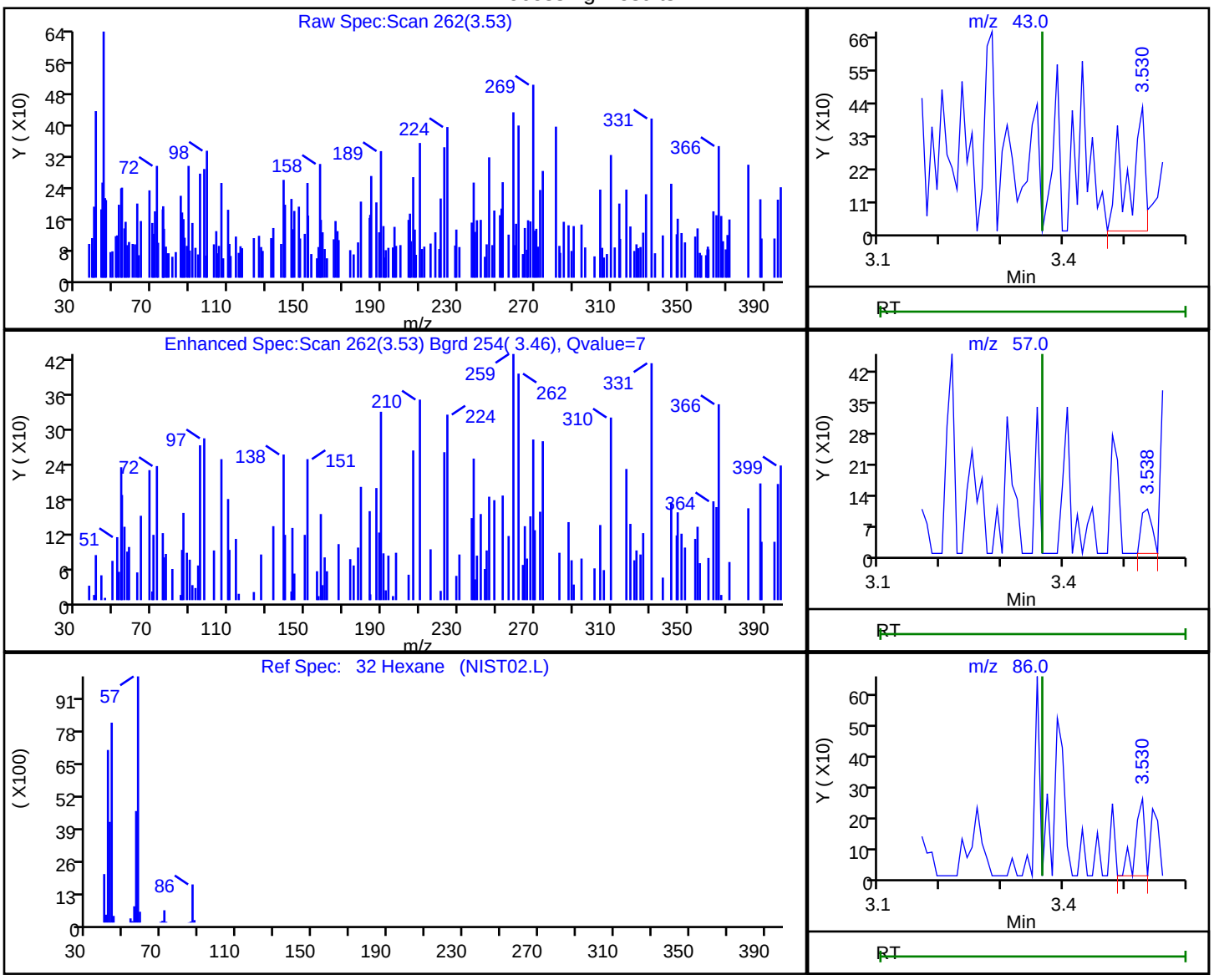
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
3.53	43.00	778	0.232864
3.54	57.00	123	
3.53	86.00	263	
3.54	56.00	551	

Reviewer: tupayachia, 11-Jul-2021 11:19:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

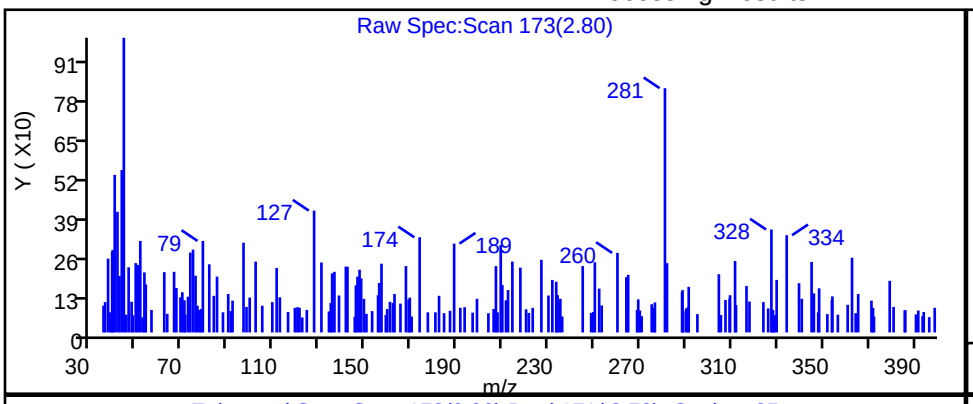
User Disabled Compound Report

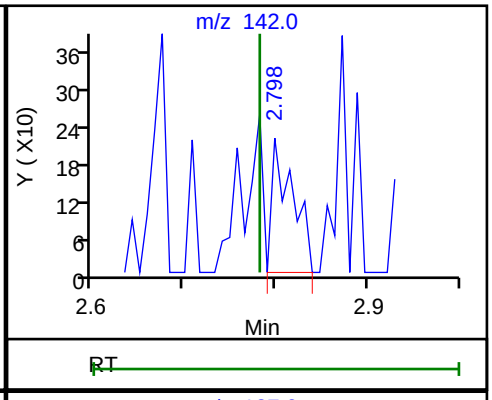
Eurofins TestAmerica, Edison

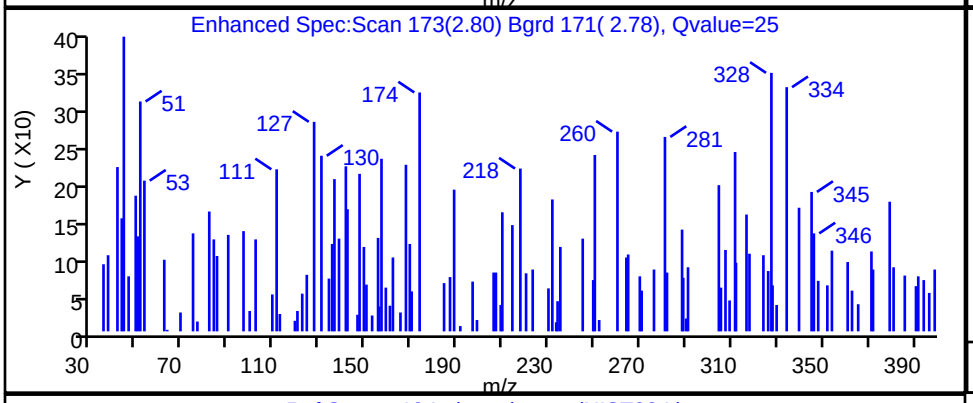
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

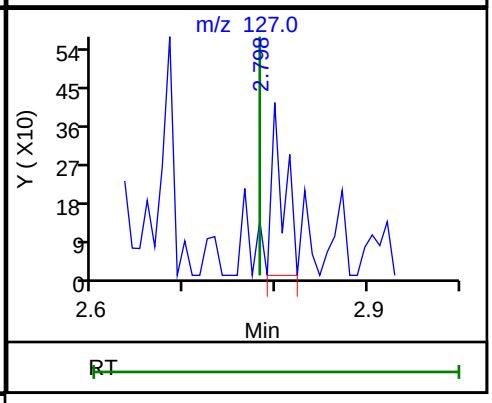
19 Iodomethane, CAS: 74-88-4

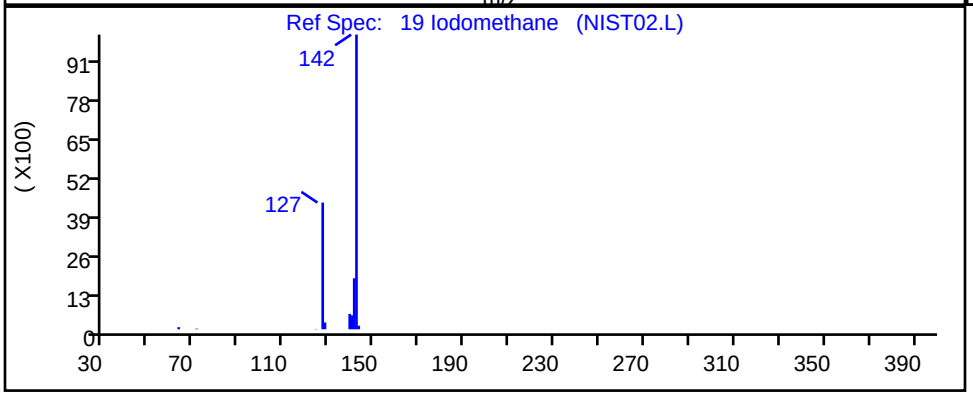
Processing Results











RT	Mass	Response	Amount
2.80	142.00	346	0.046313
2.80	127.00	389	

Reviewer: tupayachia, 11-Jul-2021 11:19:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

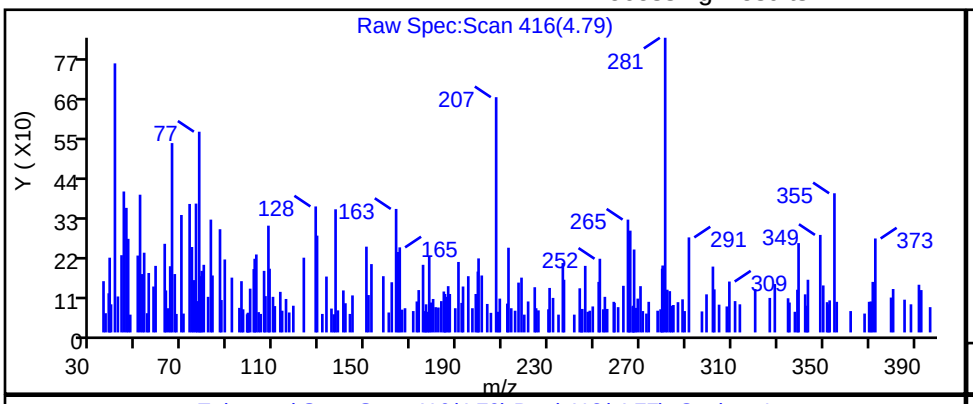
User Disabled Compound Report

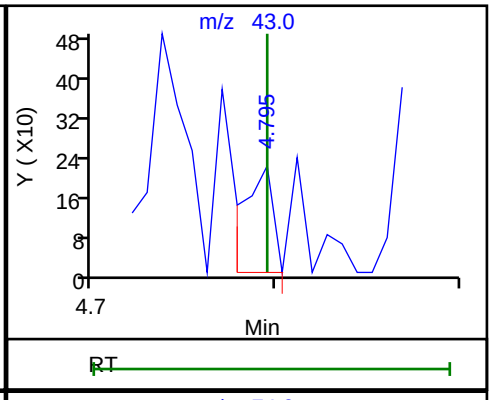
Eurofins TestAmerica, Edison

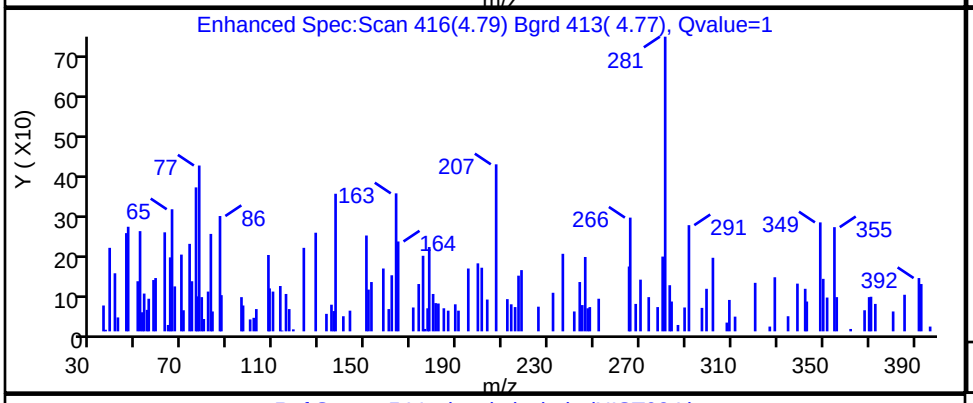
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

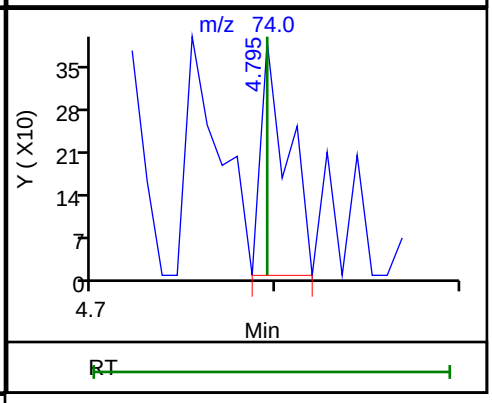
54 Isobutyl alcohol, CAS: 78-83-1

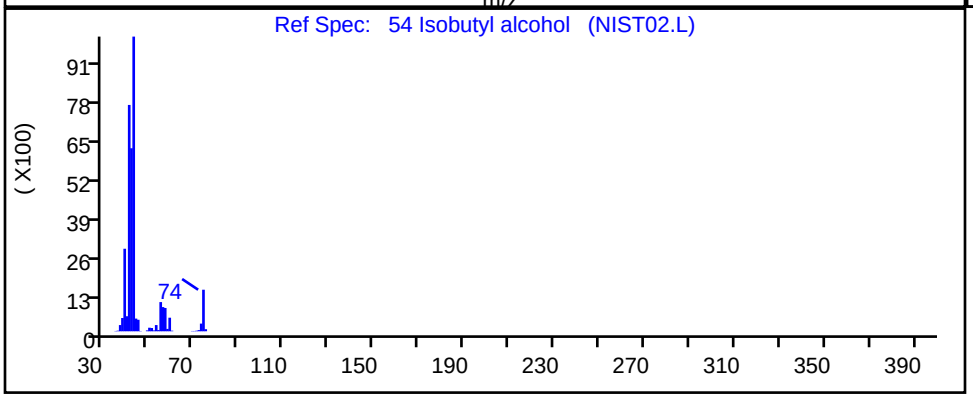
Processing Results











RT	Mass	Response	Amount
4.79	43.00	251	1.383231
4.79	74.00	392	

Reviewer: baronm, 14-Jul-2021 20:45:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

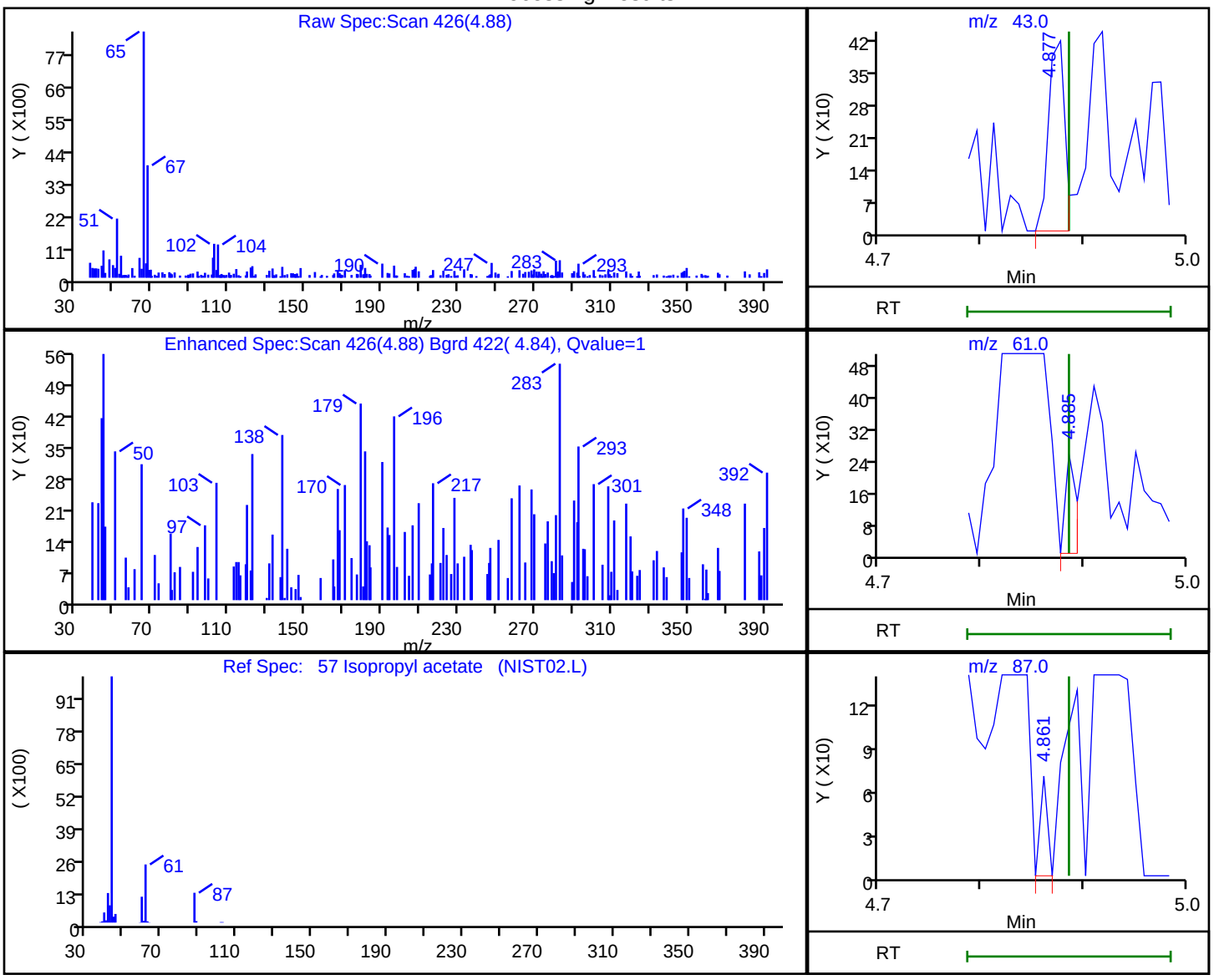
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

57 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
4.88	43.00	461	0.041766
4.89	61.00	188	
4.86	87.00	33	

Reviewer: tupayachia, 11-Jul-2021 11:20:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

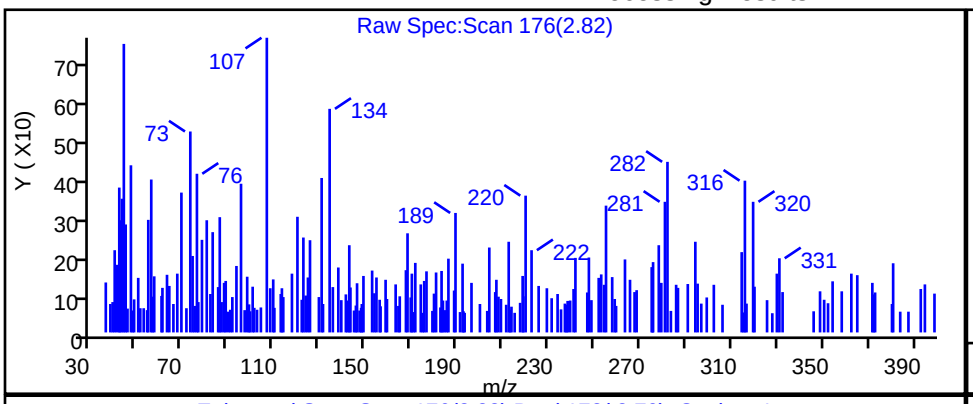
User Disabled Compound Report

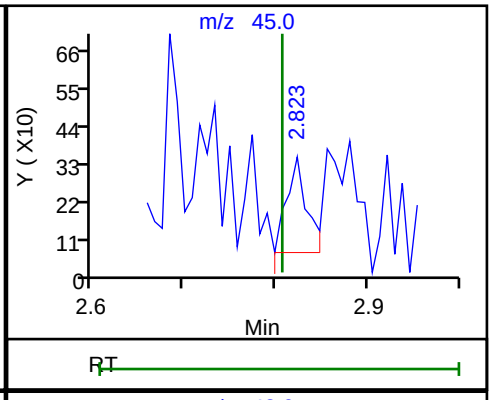
Eurofins TestAmerica, Edison

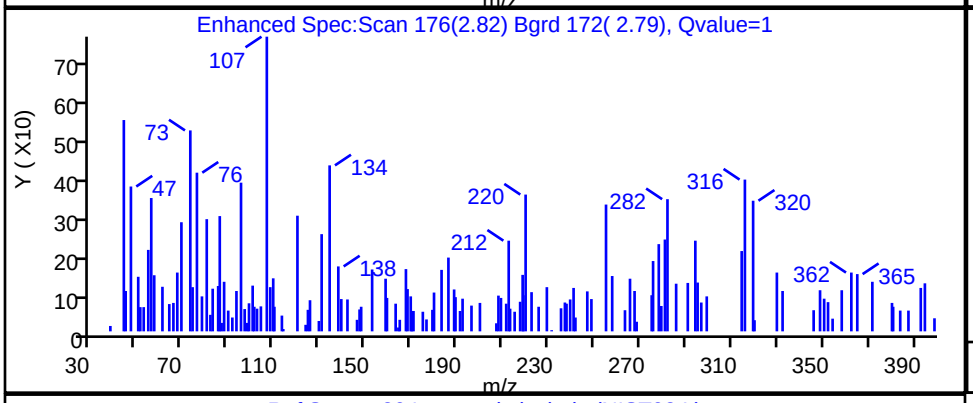
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

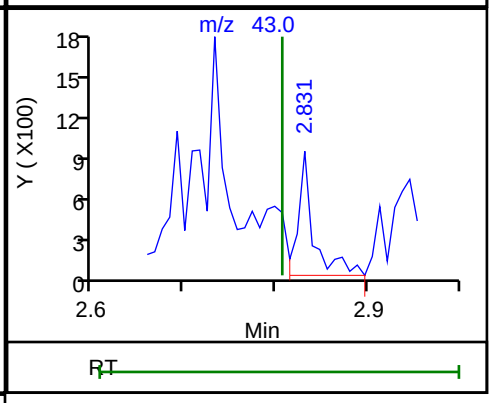
20 Isopropyl alcohol, CAS: 67-63-0

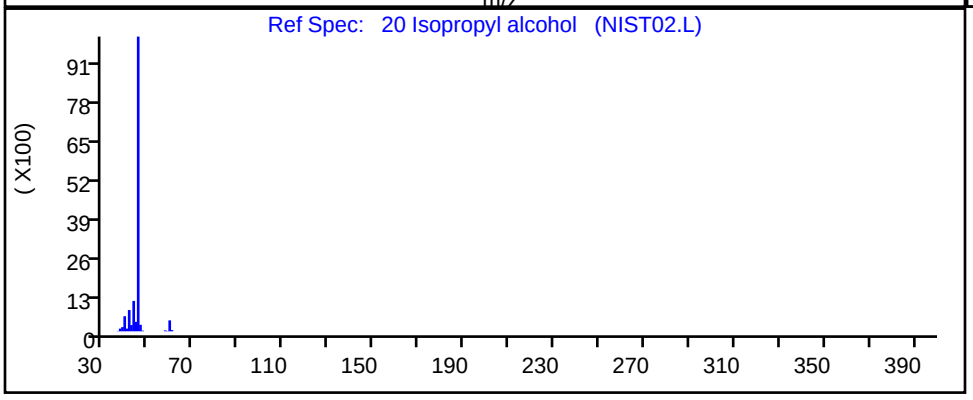
Processing Results











RT	Mass	Response	Amount
2.82	45.00	437	2.453736
2.83	43.00	1009	

Reviewer: tupayachia, 11-Jul-2021 11:19:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

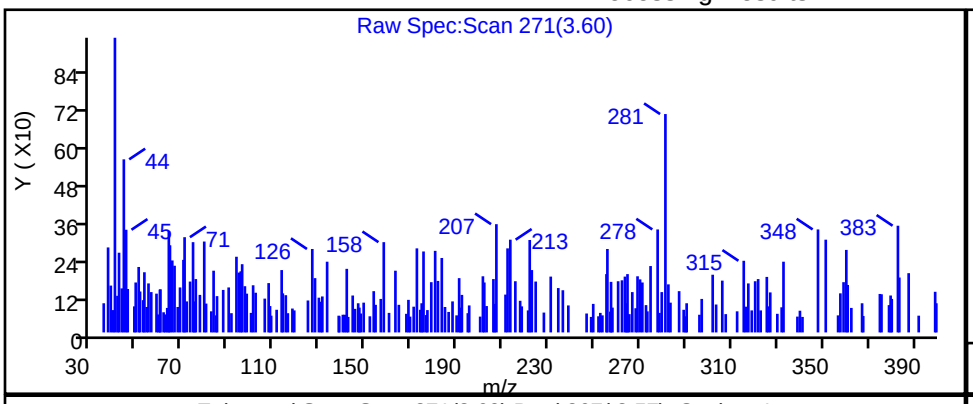
User Disabled Compound Report

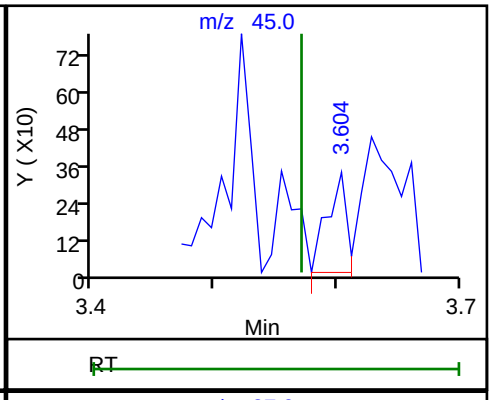
Eurofins TestAmerica, Edison

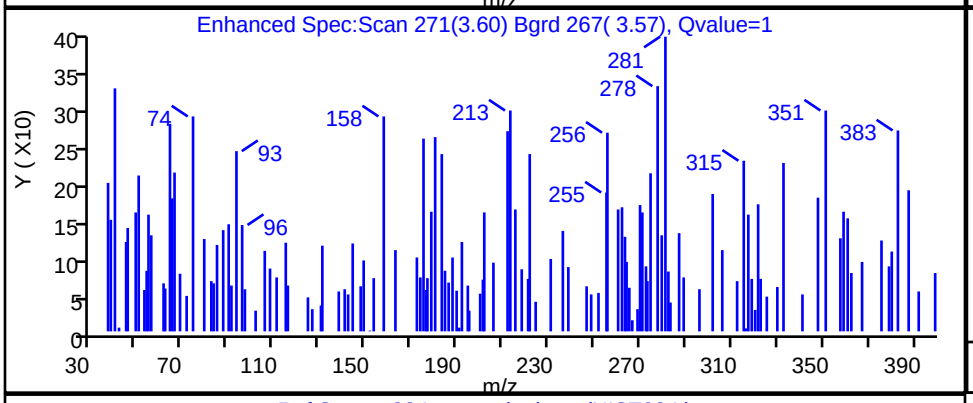
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

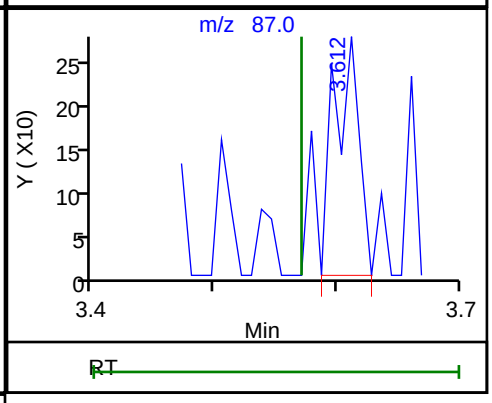
33 Isopropyl ether, CAS: 108-20-3

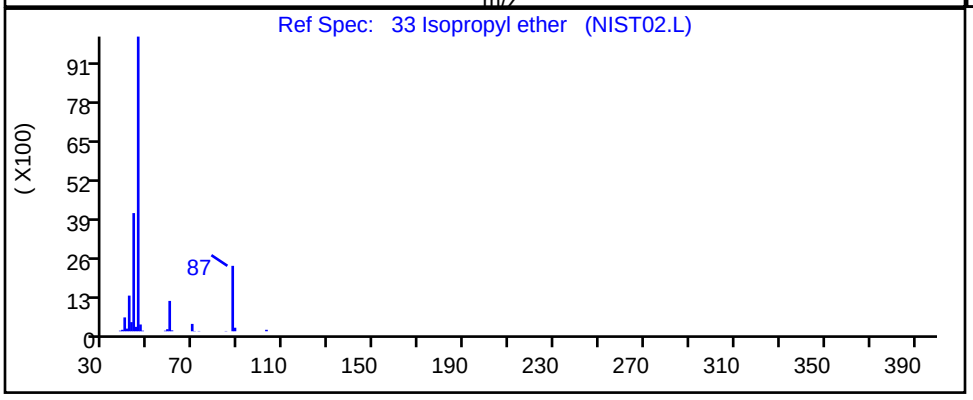
Processing Results











RT	Mass	Response	Amount
3.60	45.00	370	0.031991
3.61	87.00	383	

Reviewer: tupayachia, 11-Jul-2021 11:19:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

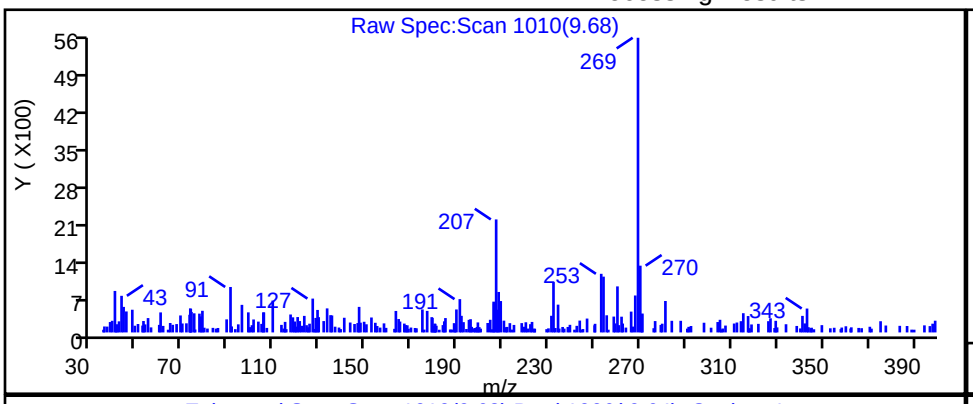
User Disabled Compound Report

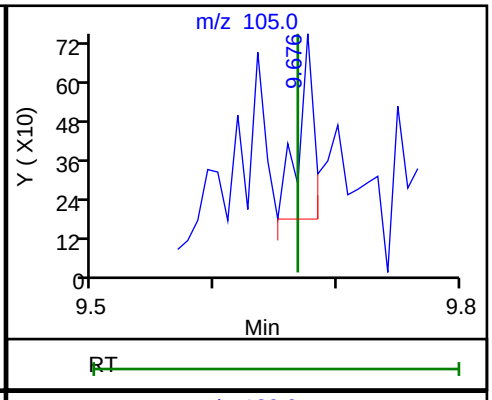
Eurofins TestAmerica, Edison

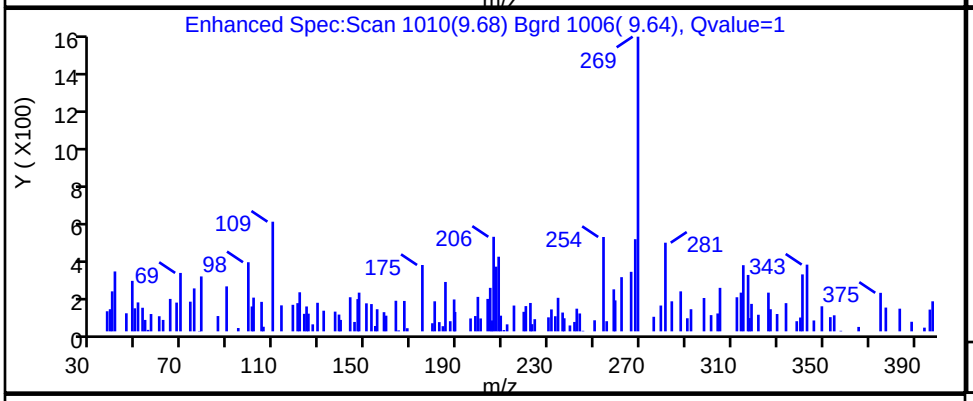
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

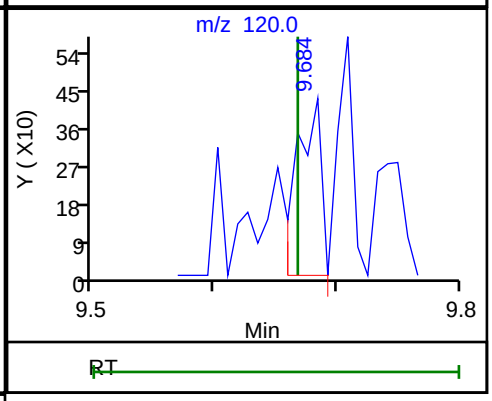
99 Isopropylbenzene, CAS: 98-82-8

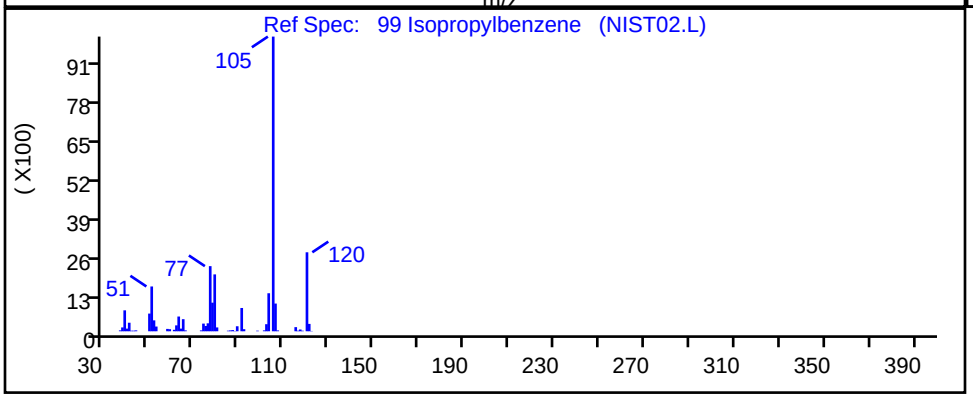
Processing Results











RT	Mass	Response	Amount
9.68	105.00	526	0.027135
9.68	120.00	583	

Reviewer: tupayachia, 11-Jul-2021 11:20:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

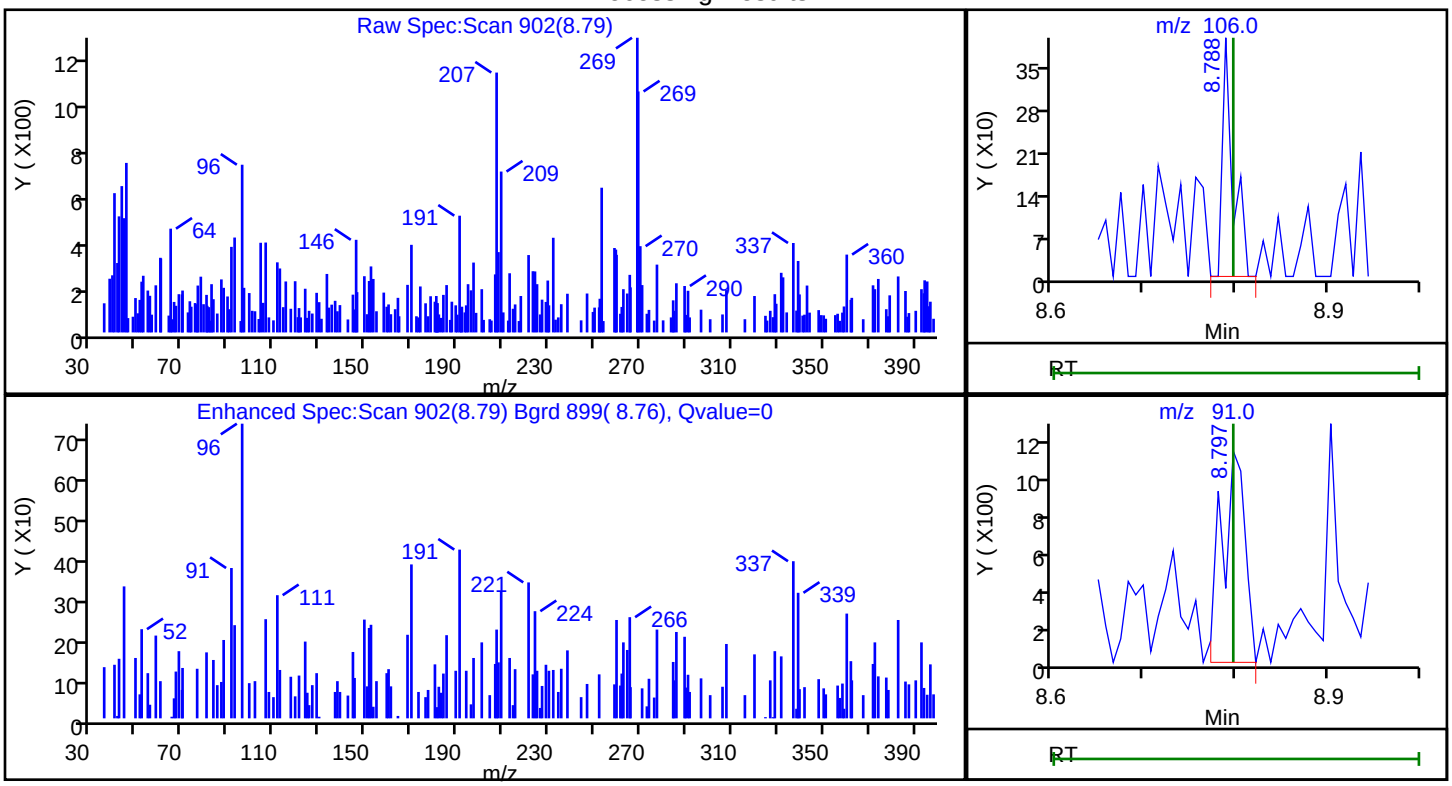
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
8.79	106.00	317	0.048444
8.80	91.00	1887	

Reviewer: tupayachia, 11-Jul-2021 11:20:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

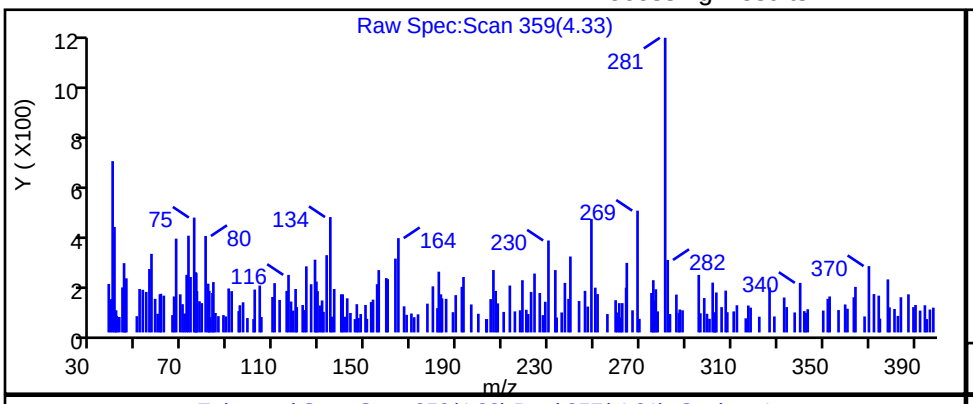
User Disabled Compound Report

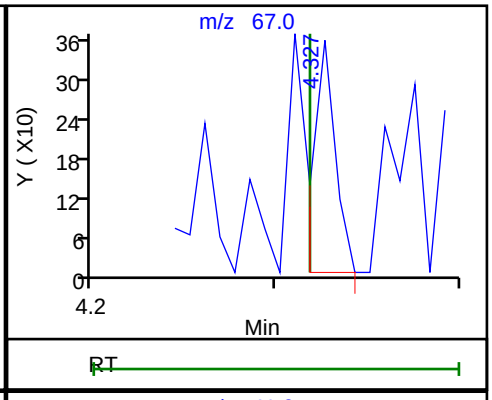
Eurofins TestAmerica, Edison

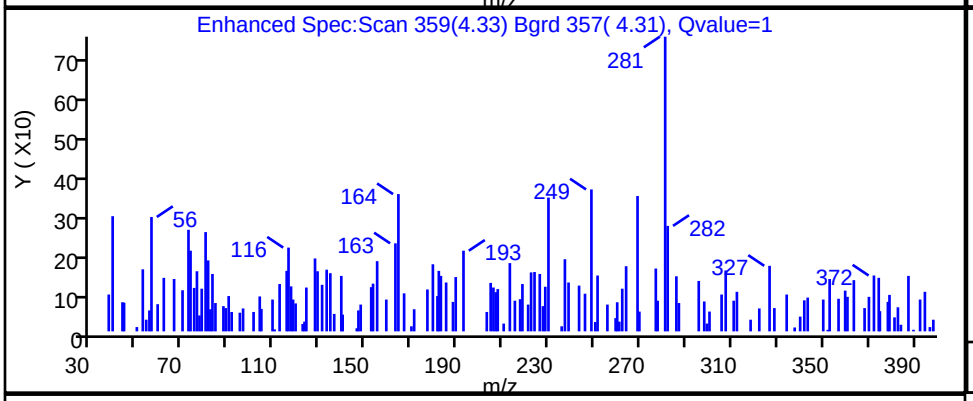
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

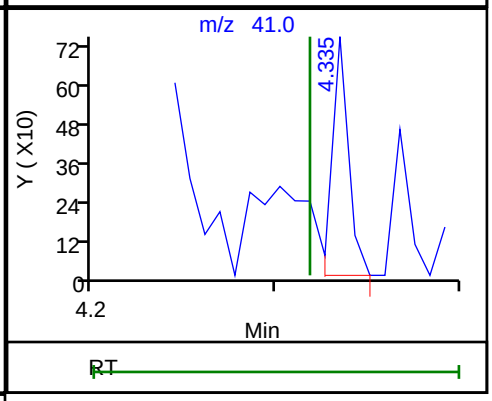
47 Methacrylonitrile, CAS: 126-98-7

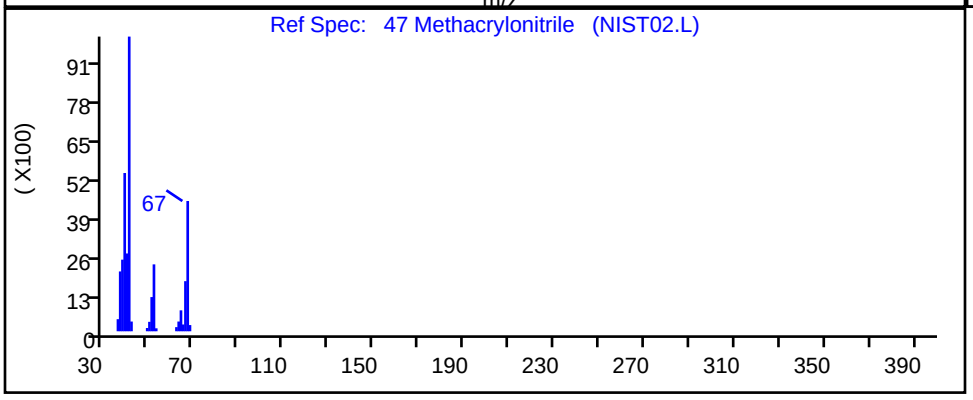
Processing Results











RT	Mass	Response	Amount
4.33	67.00	293	0.232724
4.33	41.00	460	

Reviewer: baronm, 14-Jul-2021 20:45:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

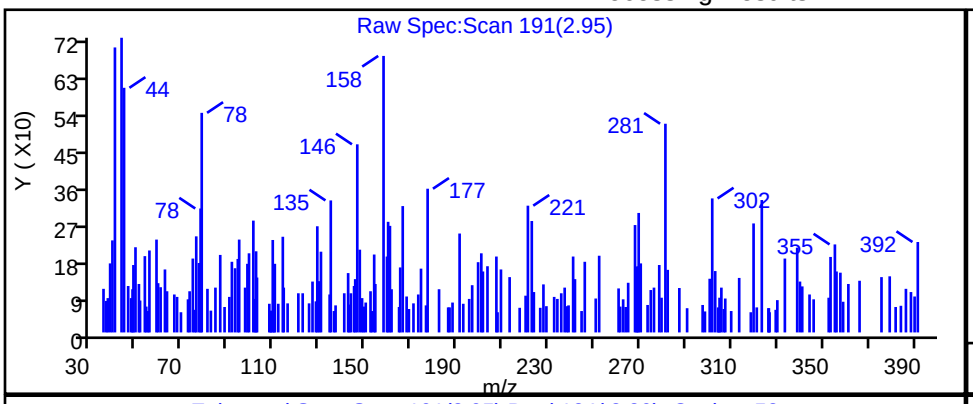
User Disabled Compound Report

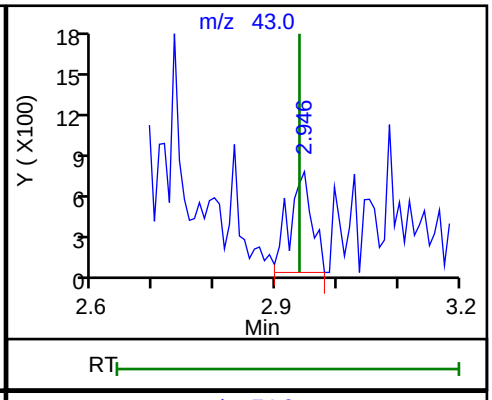
Eurofins TestAmerica, Edison

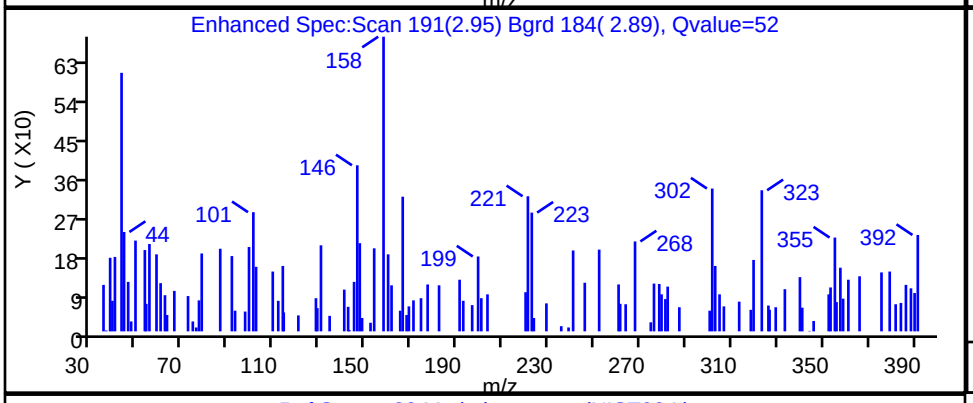
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

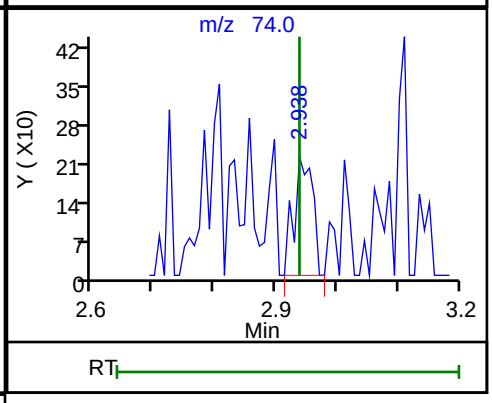
23 Methyl acetate, CAS: 79-20-9

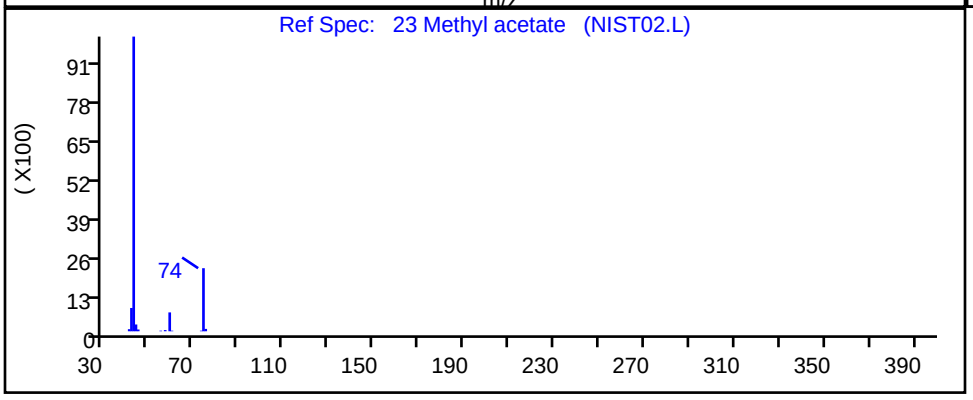
Processing Results











RT	Mass	Response	Amount
2.95	43.00	1896	0.715976
2.94	74.00	459	

Reviewer: tupayachia, 11-Jul-2021 11:19:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

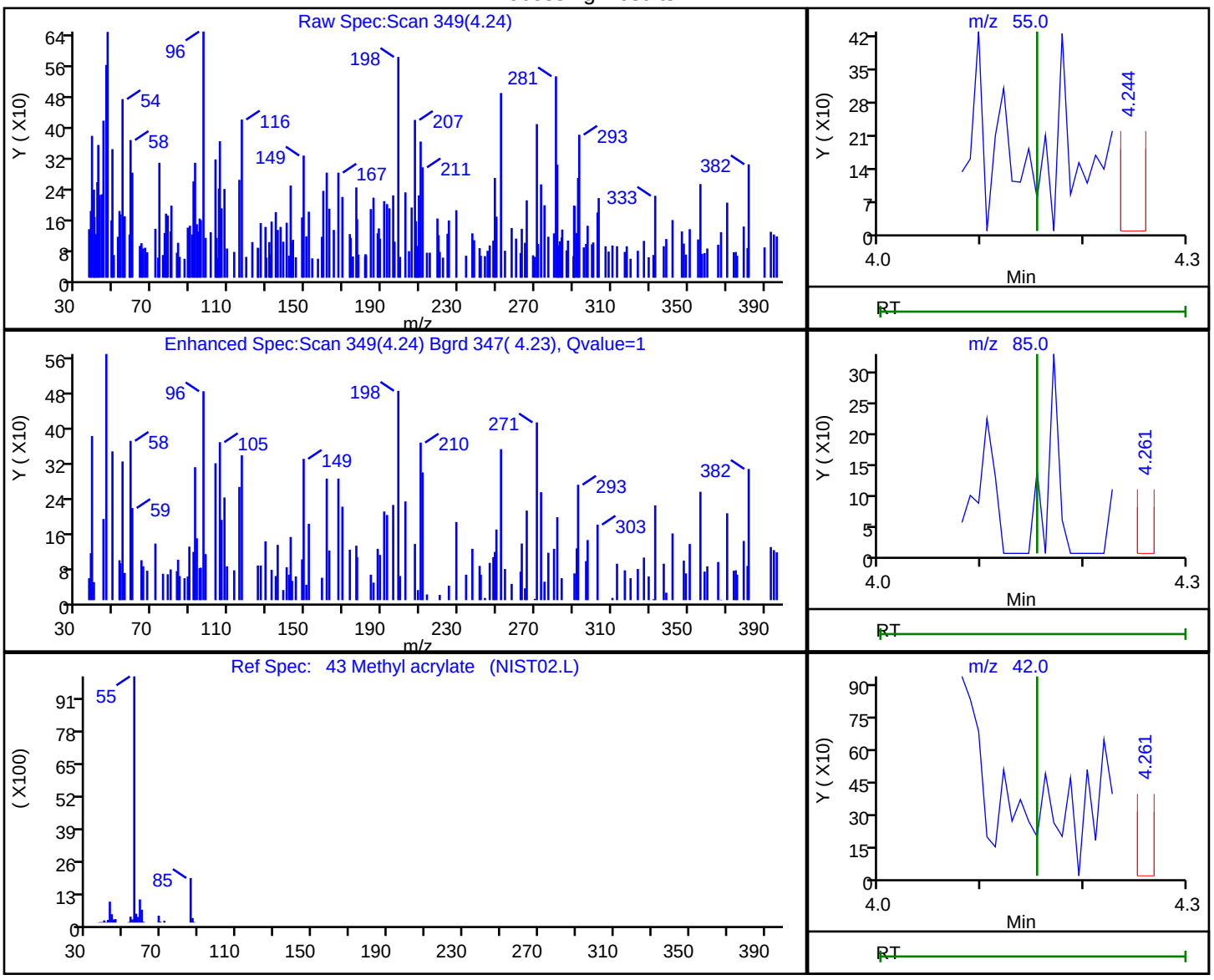
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
4.24	55.00	126	0.048244
4.26	85.00	171	
4.26	42.00	257	

Reviewer: baronm, 14-Jul-2021 20:45:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

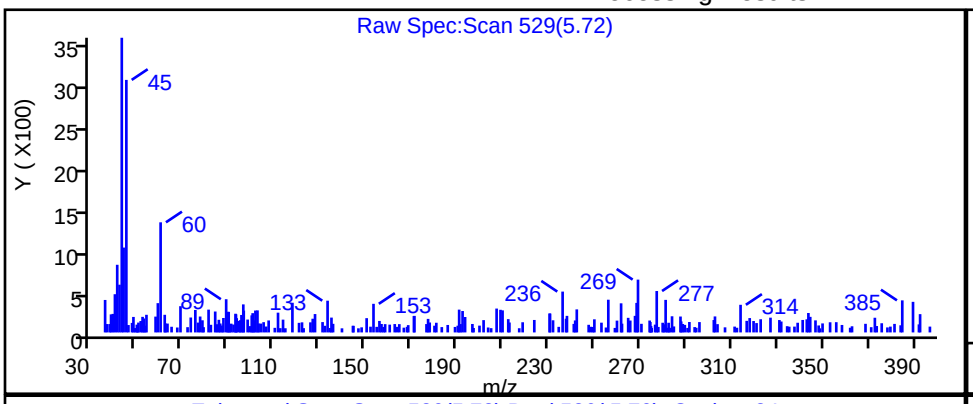
User Disabled Compound Report

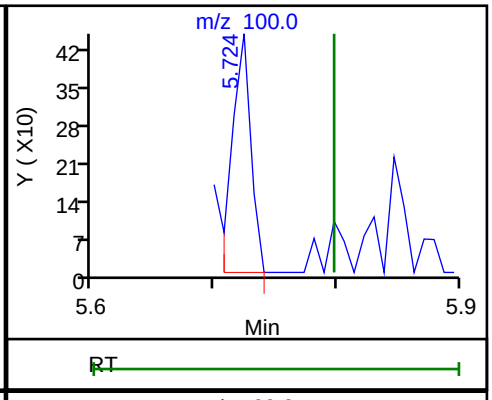
Eurofins TestAmerica, Edison

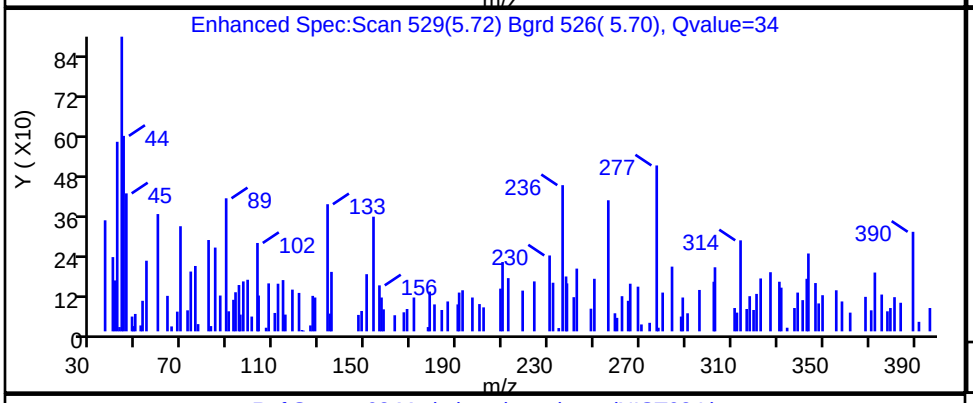
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

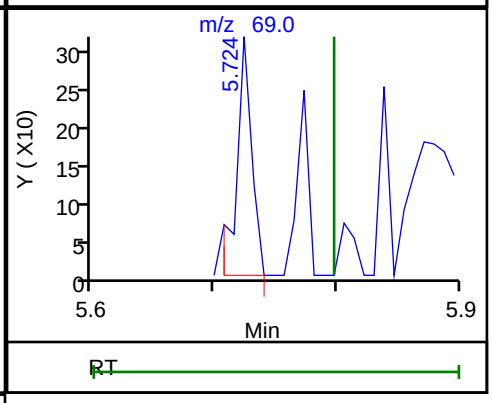
68 Methyl methacrylate, CAS: 80-62-6

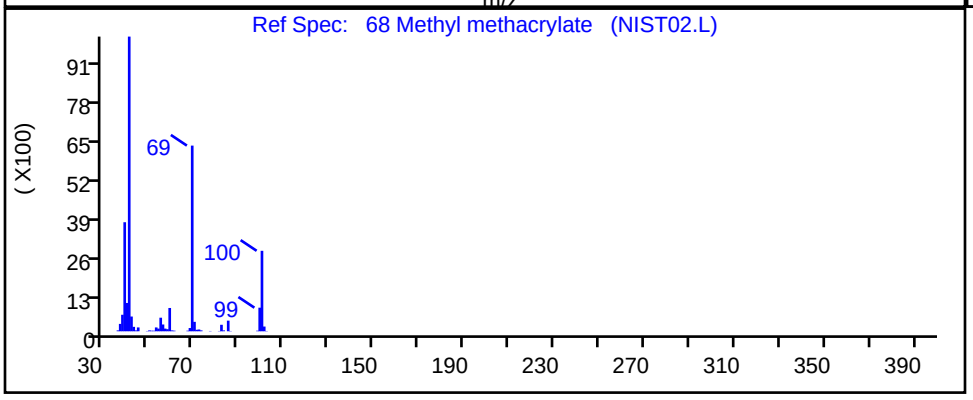
Processing Results











RT	Mass	Response	Amount
5.72	100.00	471	0.494285
5.72	69.00	278	

Reviewer: tupayachia, 11-Jul-2021 11:20:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

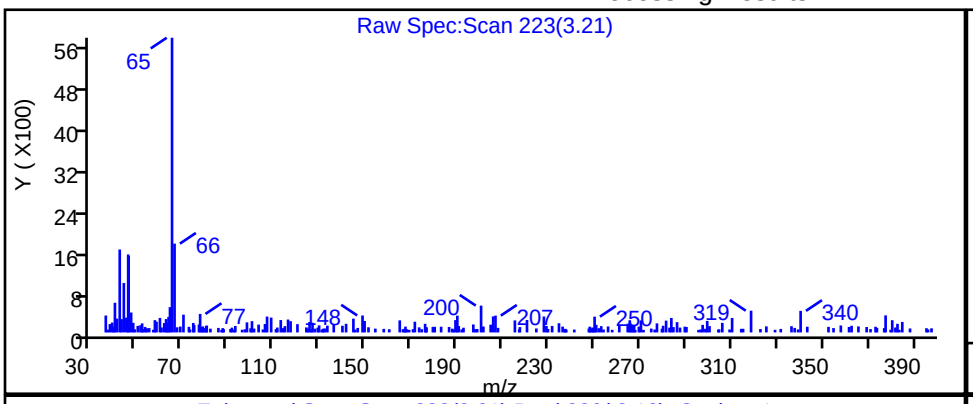
User Disabled Compound Report

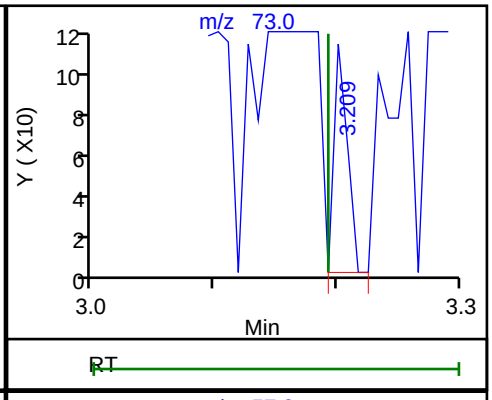
Eurofins TestAmerica, Edison

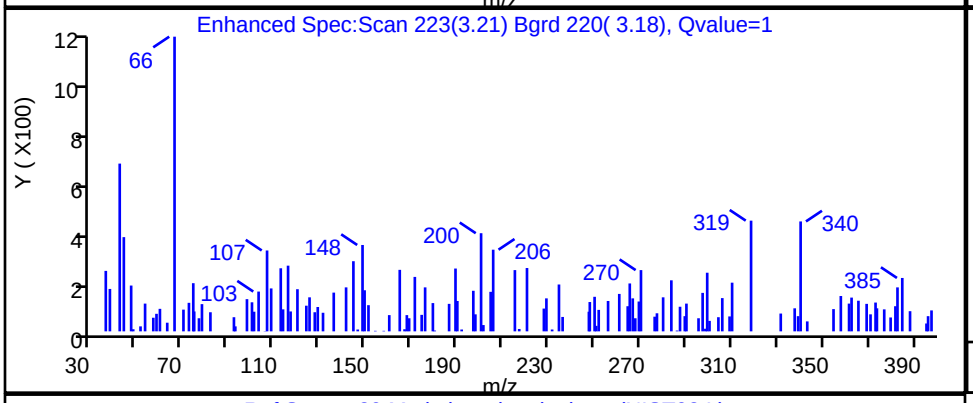
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

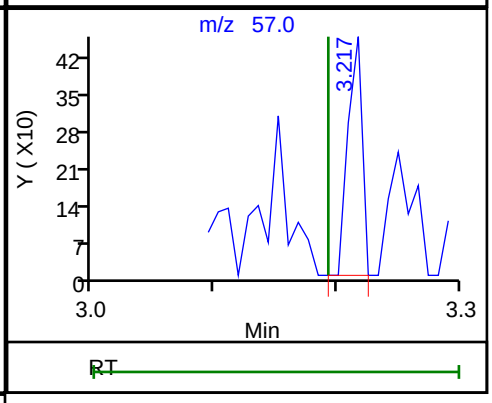
29 Methyl tert-butyl ether, CAS: 1634-04-4

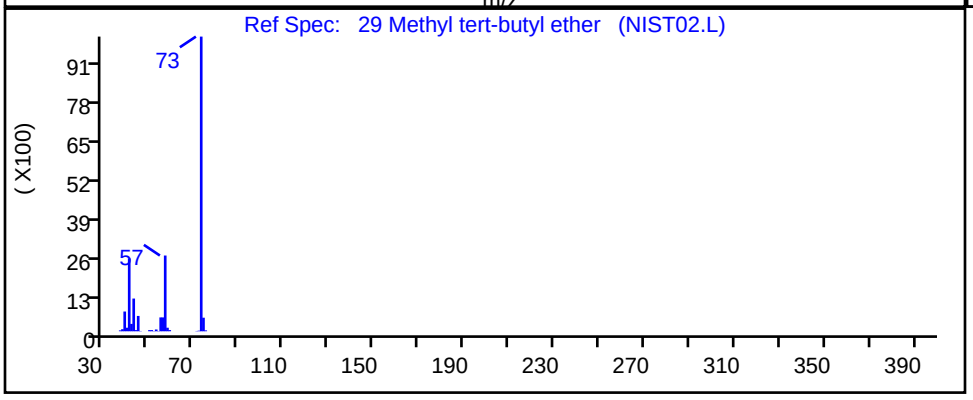
Processing Results











RT	Mass	Response	Amount
3.21	73.00	83	0.006845
3.22	57.00	368	

Reviewer: tupayachia, 11-Jul-2021 11:19:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

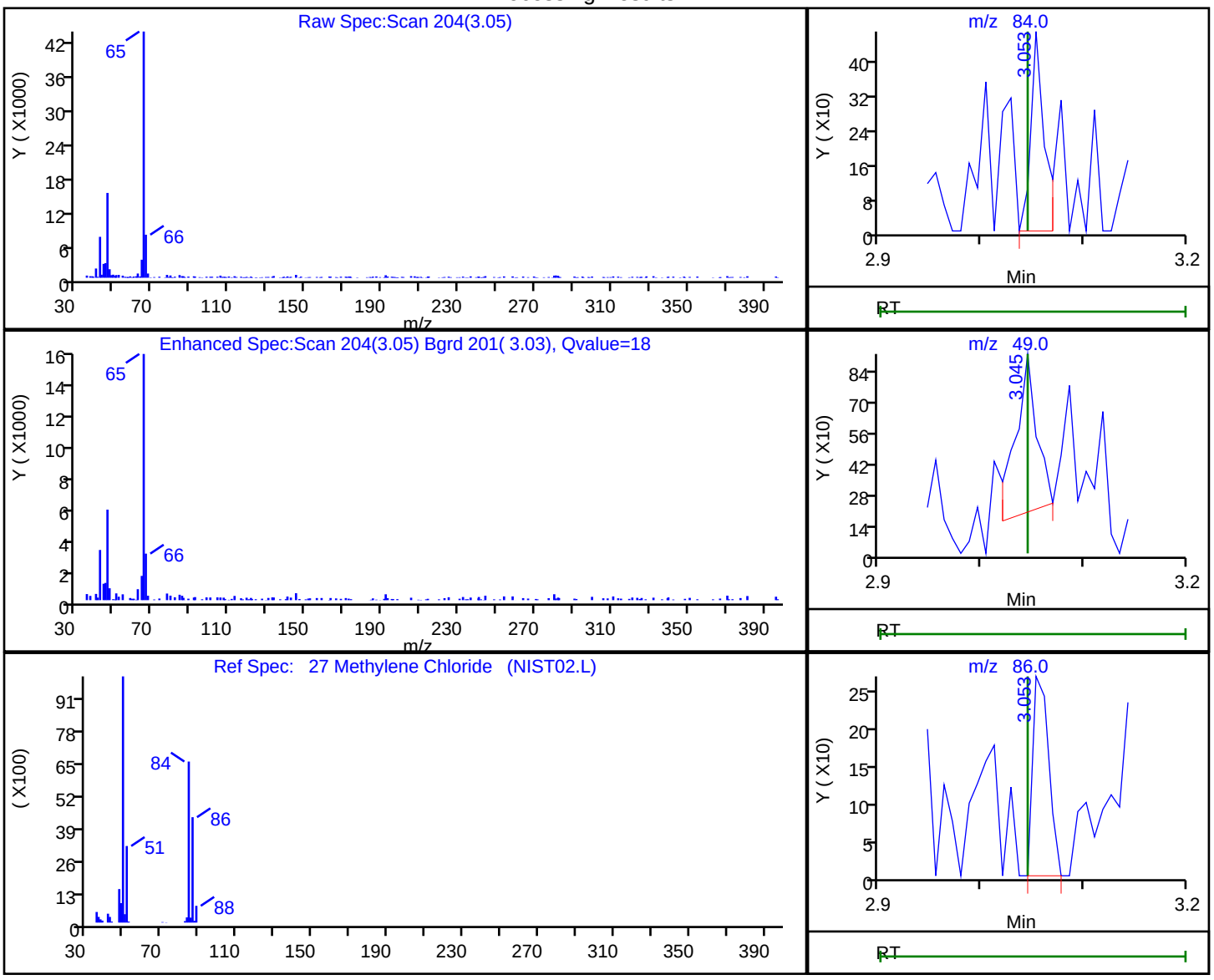
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.05	84.00	437	0.109945
3.04	49.00	1069	
3.05	86.00	285	

Reviewer: tupayachia, 11-Jul-2021 11:19:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

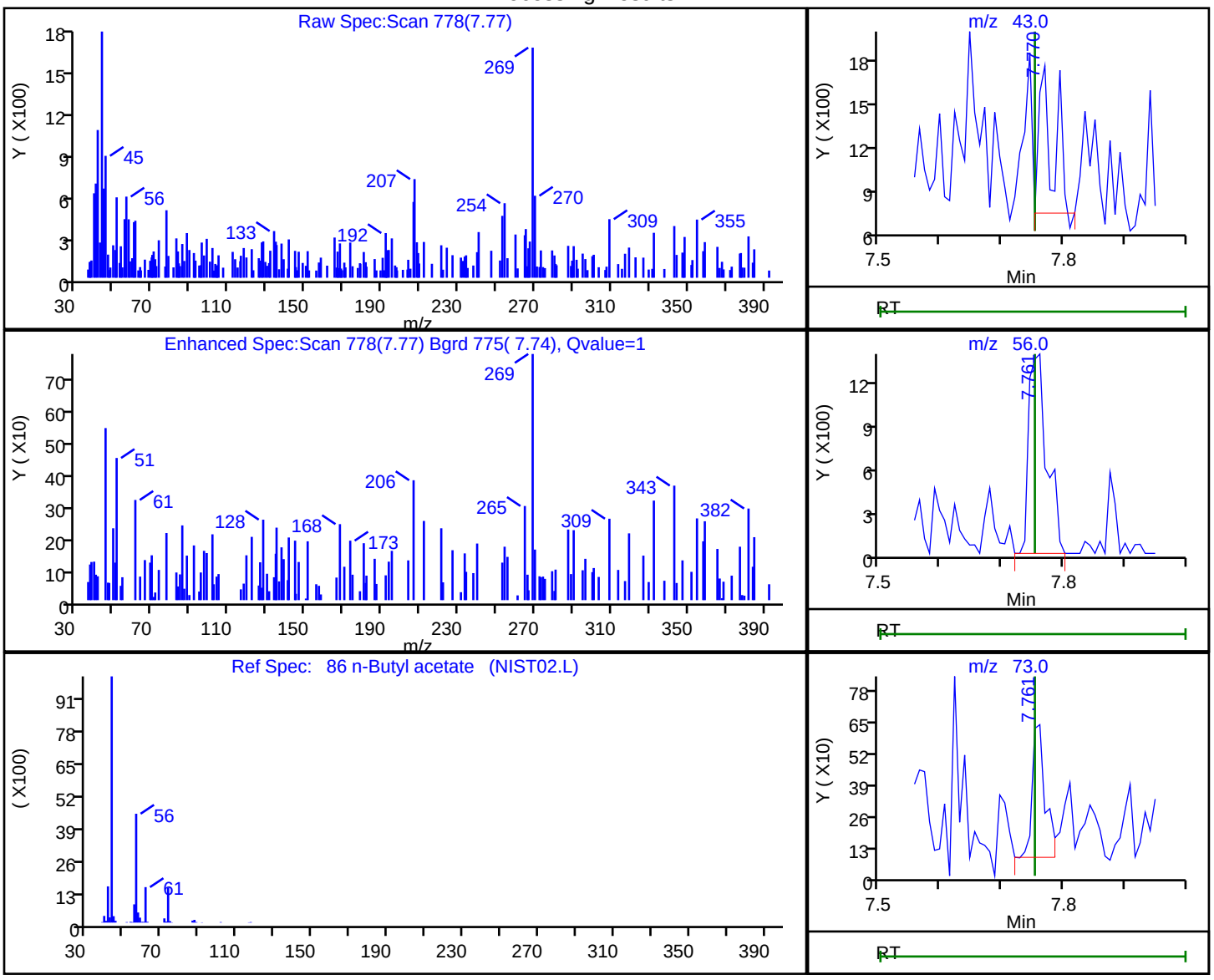
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

86 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.77	43.00	1518	0.262390
7.76	56.00	2735	
7.76	73.00	822	

Reviewer: tupayachia, 11-Jul-2021 11:20:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

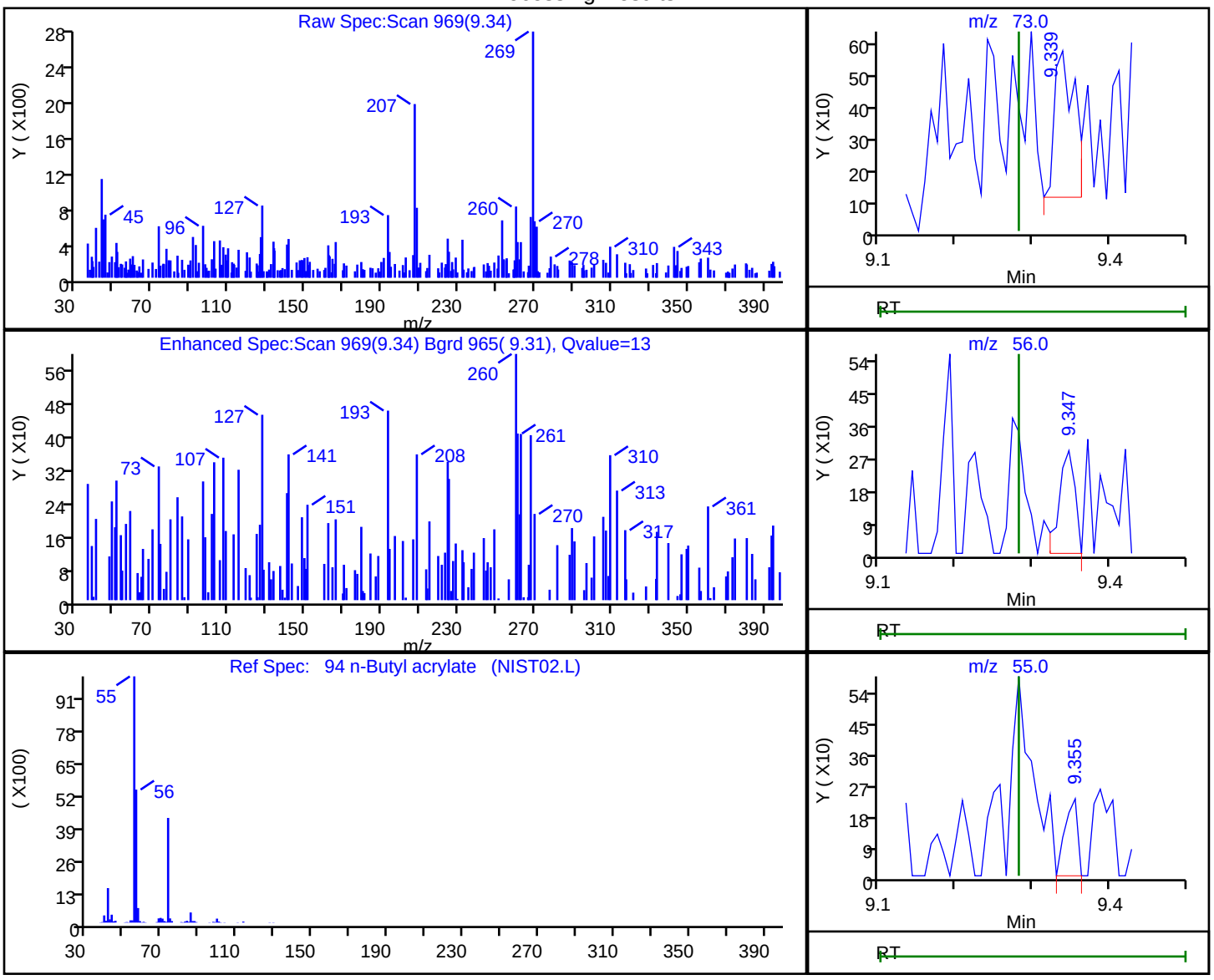
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

94 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
9.34	73.00	866	0.321624
9.35	56.00	415	
9.36	55.00	258	

Reviewer: tupayachia, 11-Jul-2021 11:20:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

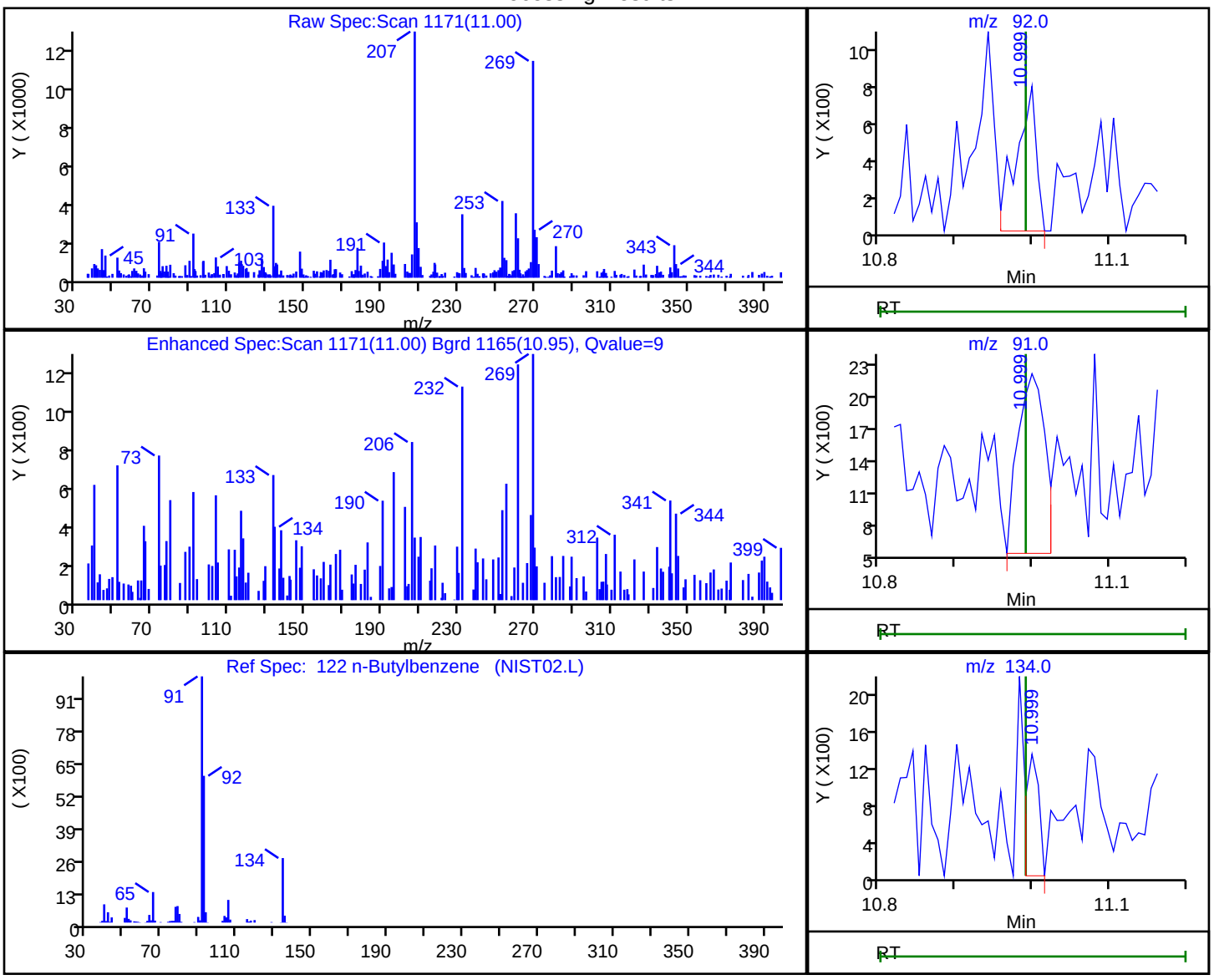
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.00	92.00	1399	0.134475
11.00	91.00	4056	
11.00	134.00	1558	

Reviewer: tupayachia, 11-Jul-2021 11:21:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

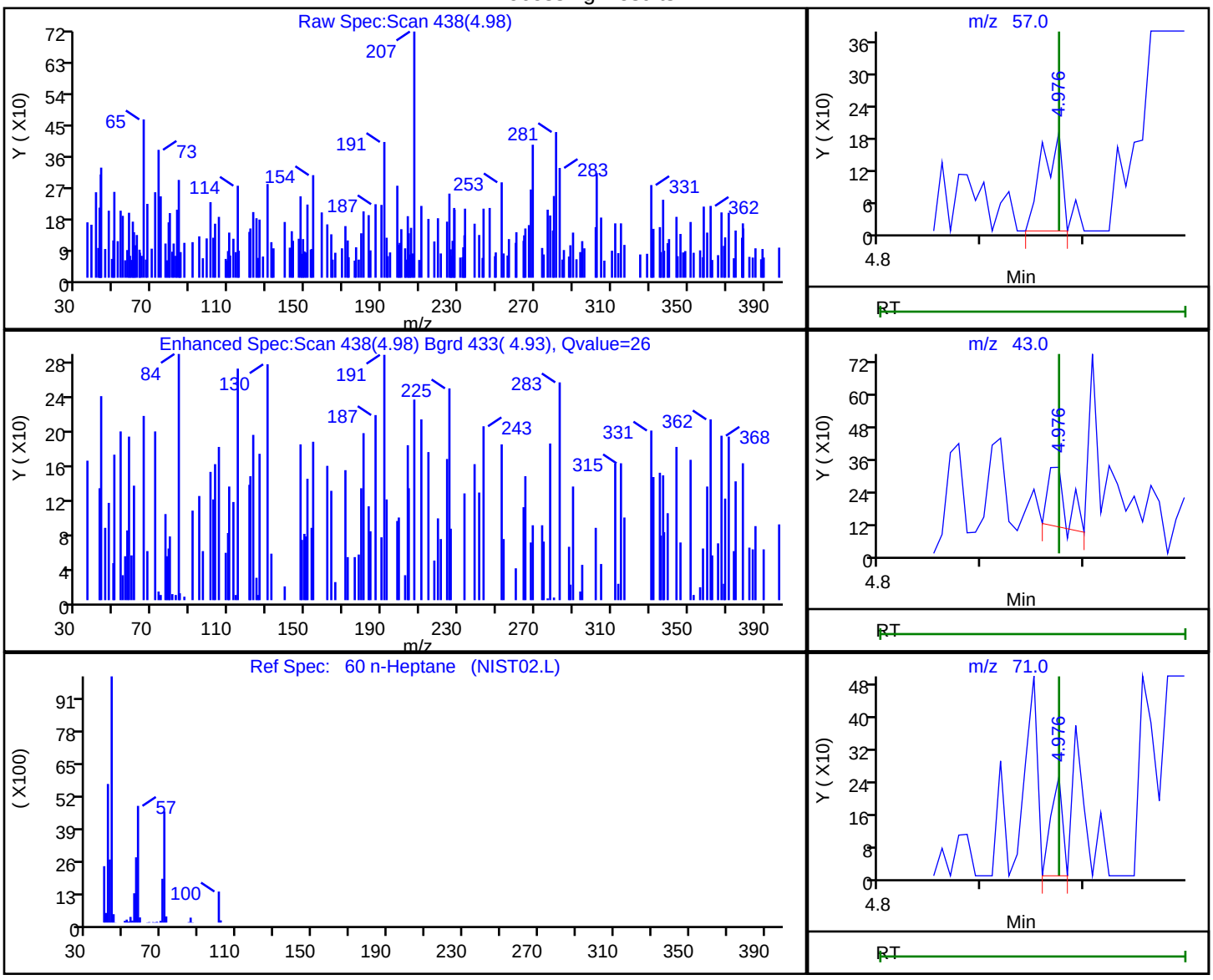
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
4.98	57.00	255	0.107866
4.98	43.00	275	
4.98	71.00	197	

Reviewer: tupayachia, 11-Jul-2021 11:20:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

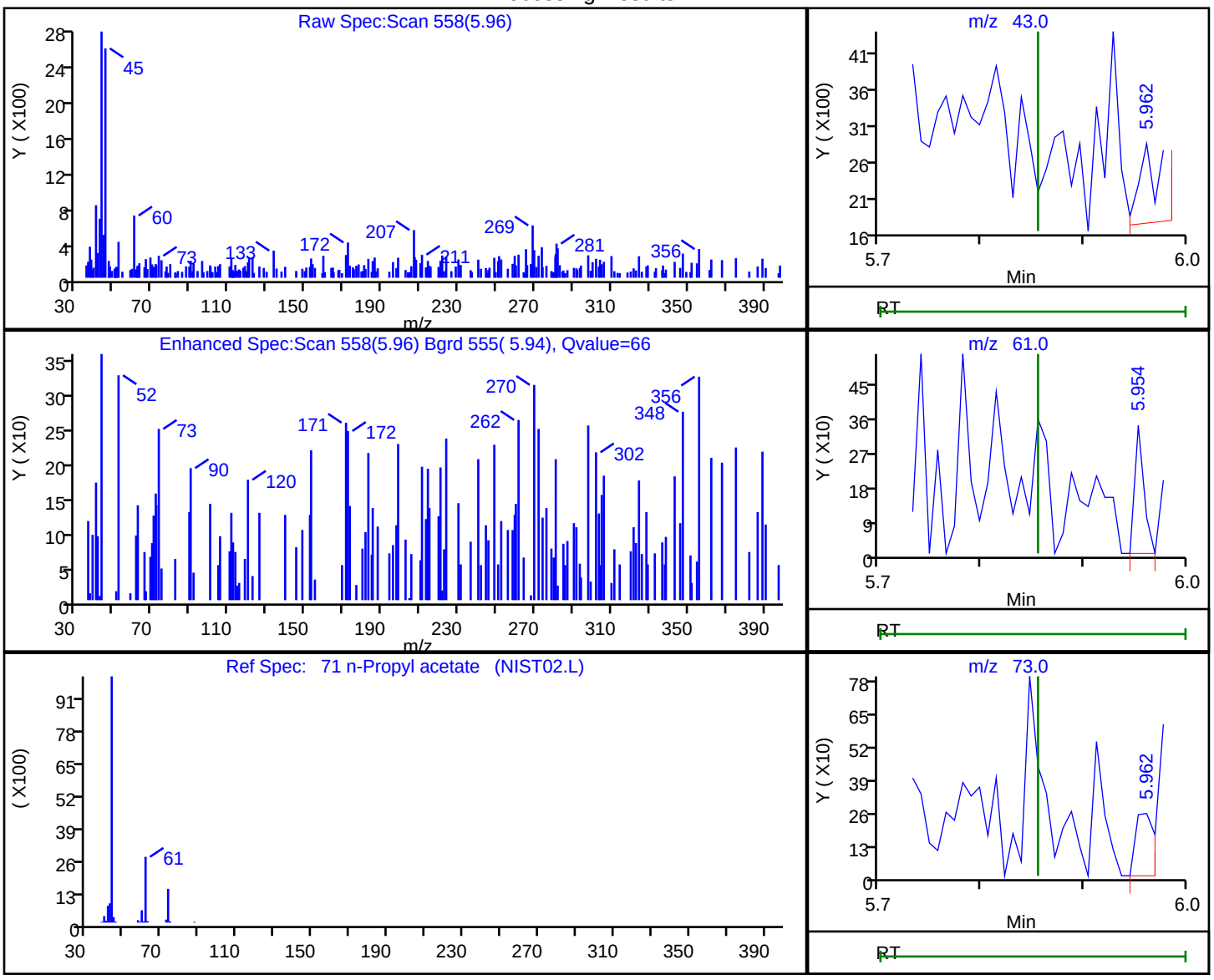
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

71 n-Propyl acetate, CAS: 109-60-4

Processing Results



RT	Mass	Response	Amount
5.96	43.00	1471	0.339095
5.95	61.00	211	
5.96	73.00	324	

Reviewer: tupayachia, 11-Jul-2021 11:20:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

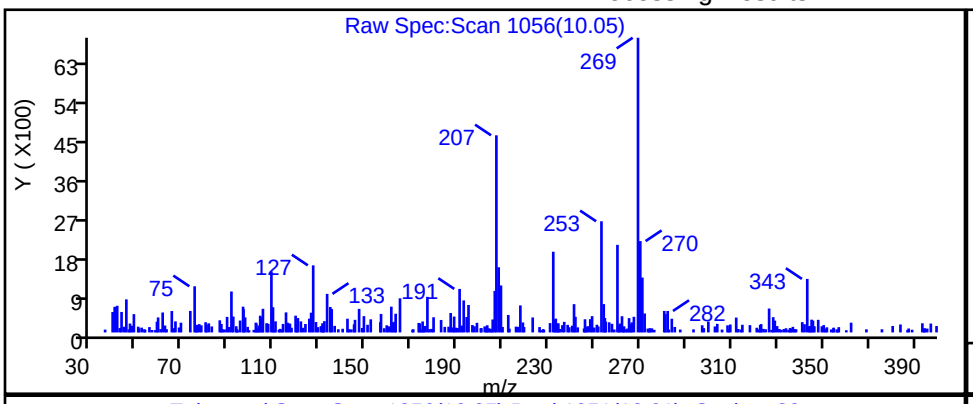
User Disabled Compound Report

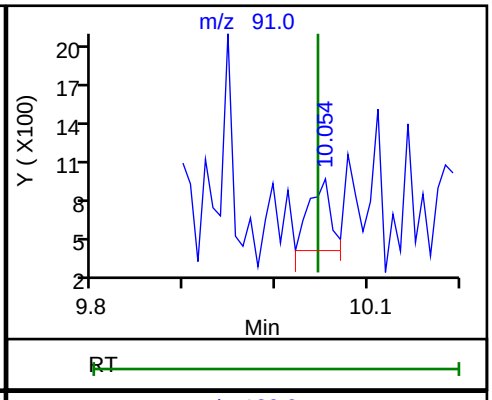
Eurofins TestAmerica, Edison

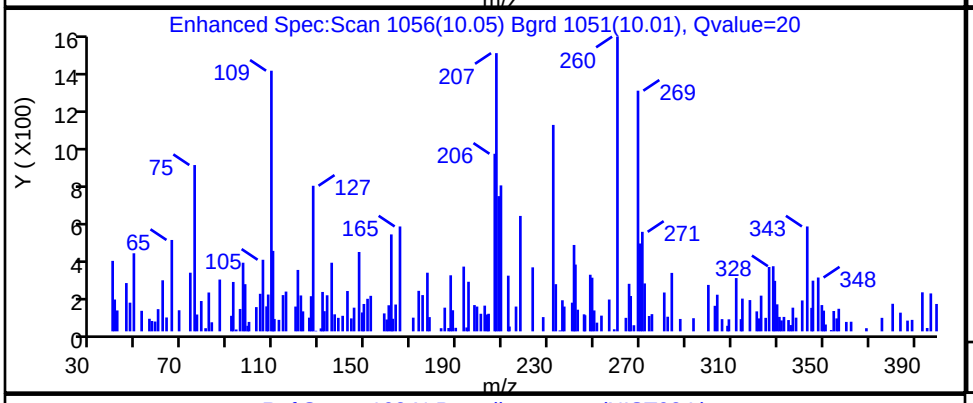
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

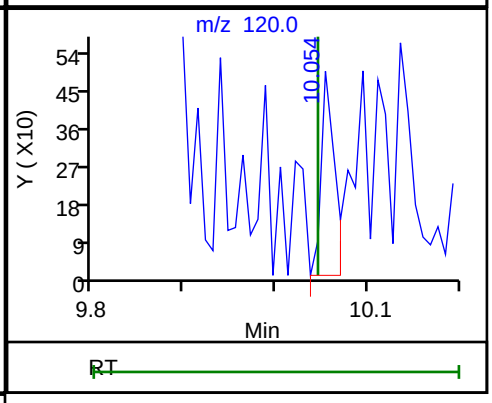
103 N-Propylbenzene, CAS: 103-65-1

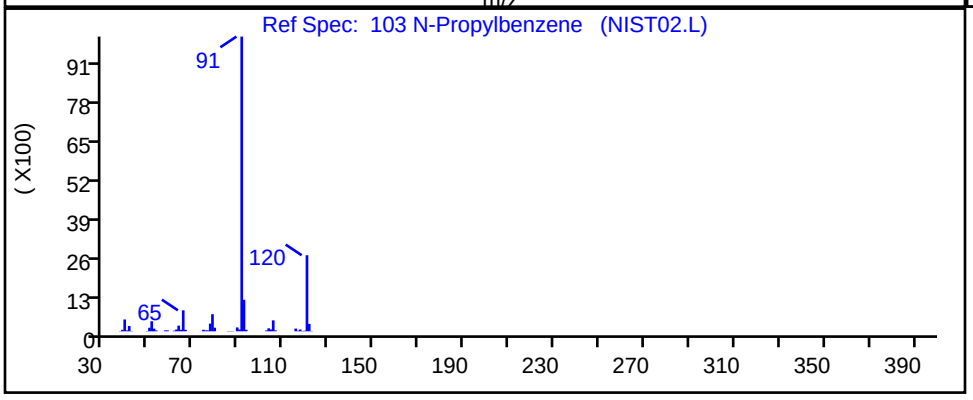
Processing Results











RT	Mass	Response	Amount
10.05	91.00	870	0.038963
10.05	120.00	506	

Reviewer: tupayachia, 11-Jul-2021 11:21:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

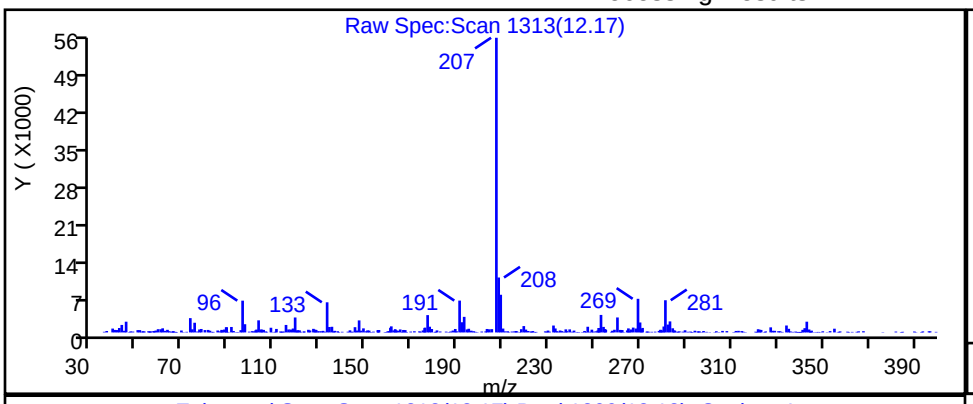
User Disabled Compound Report

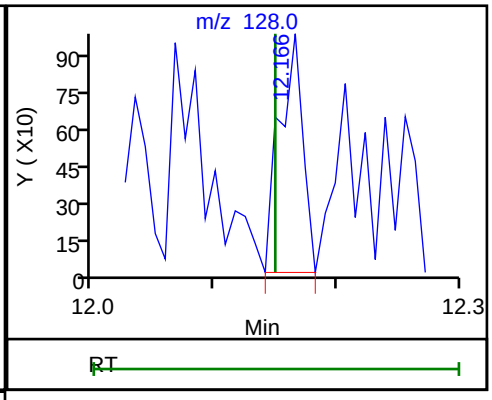
Eurofins TestAmerica, Edison

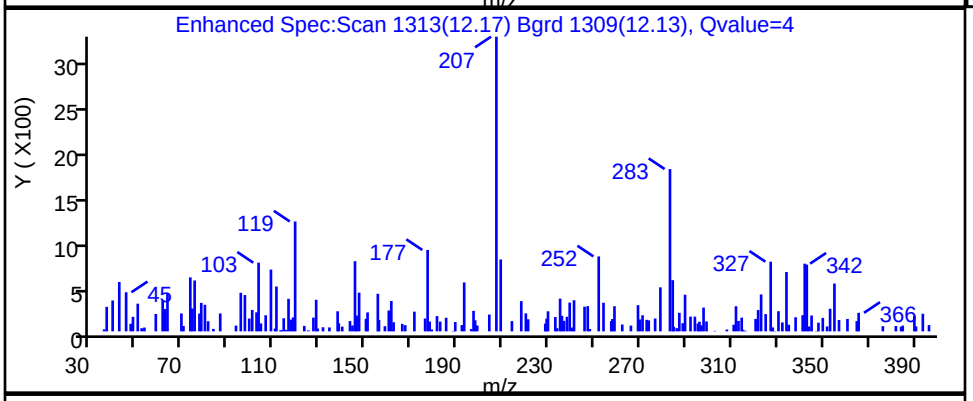
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

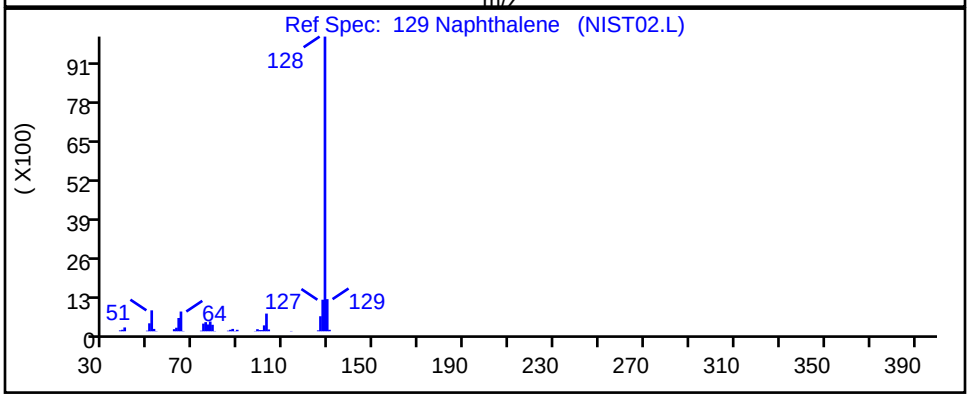
129 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
12.17	128.00	1305	0.075326

Reviewer: tupayachia, 11-Jul-2021 11:21:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

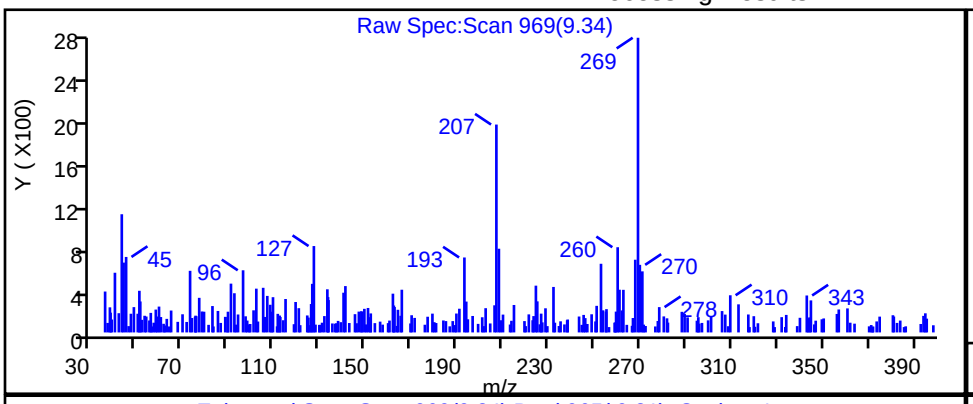
User Disabled Compound Report

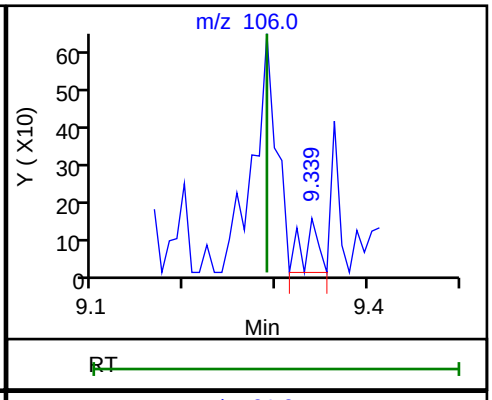
Eurofins TestAmerica, Edison

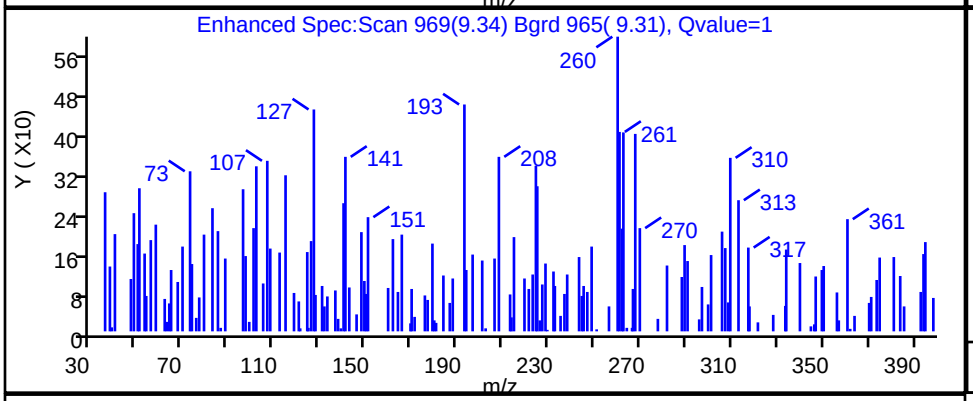
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

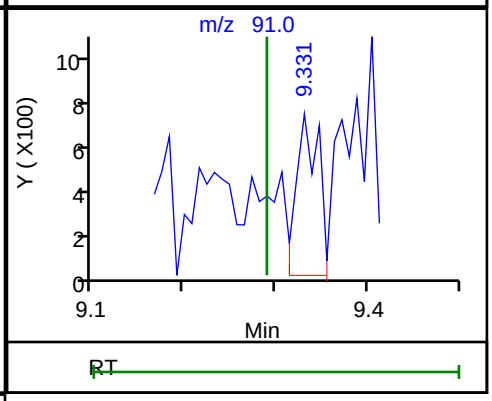
95 o-Xylene, CAS: 95-47-6

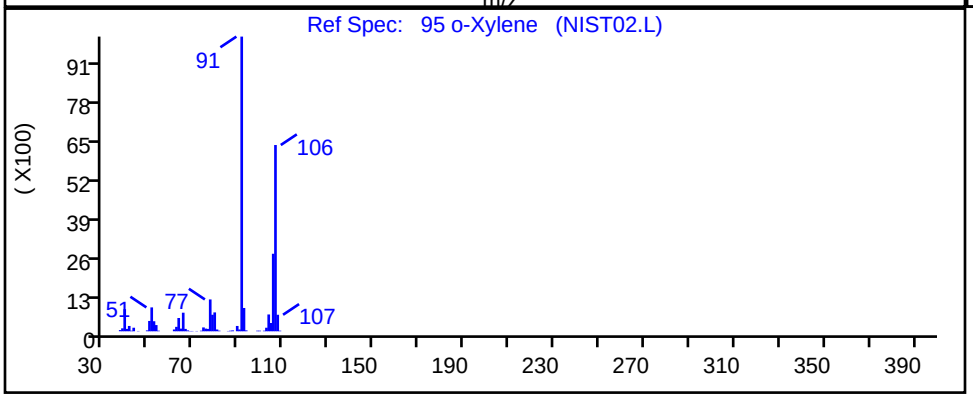
Processing Results











RT	Mass	Response	Amount
9.34	106.00	164	0.023896
9.33	91.00	1238	

Reviewer: tupayachia, 11-Jul-2021 11:20:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

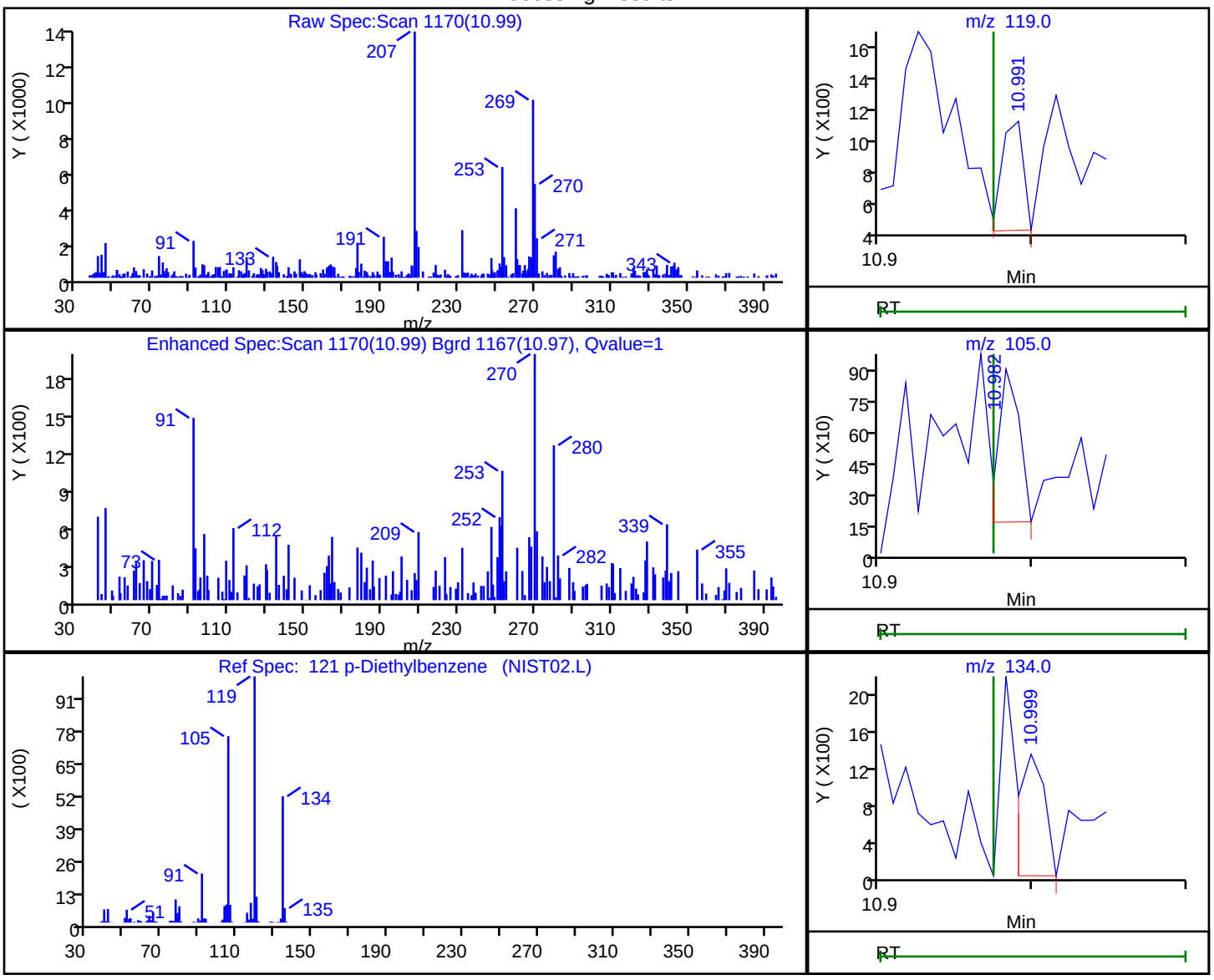
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

121 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
10.99	119.00	633	0.058260
10.98	105.00	719	
11.00	134.00	1558	

Reviewer: baronm, 14-Jul-2021 20:45:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

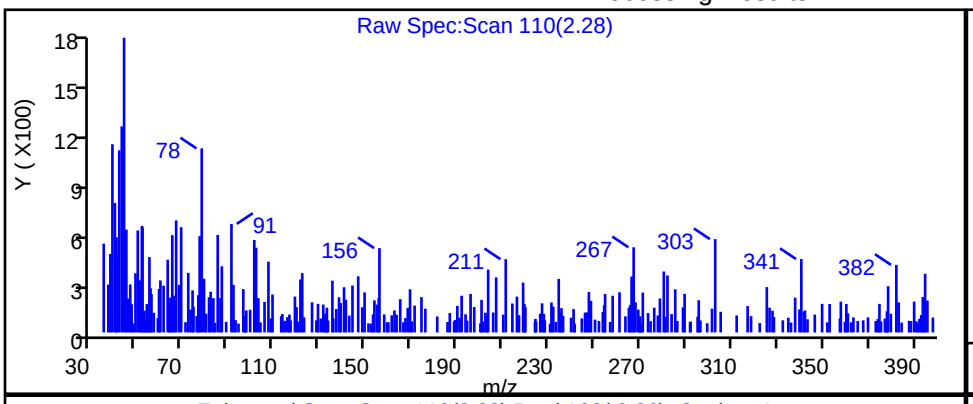
User Disabled Compound Report

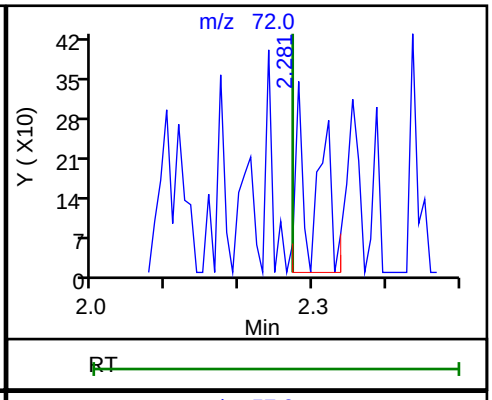
Eurofins TestAmerica, Edison

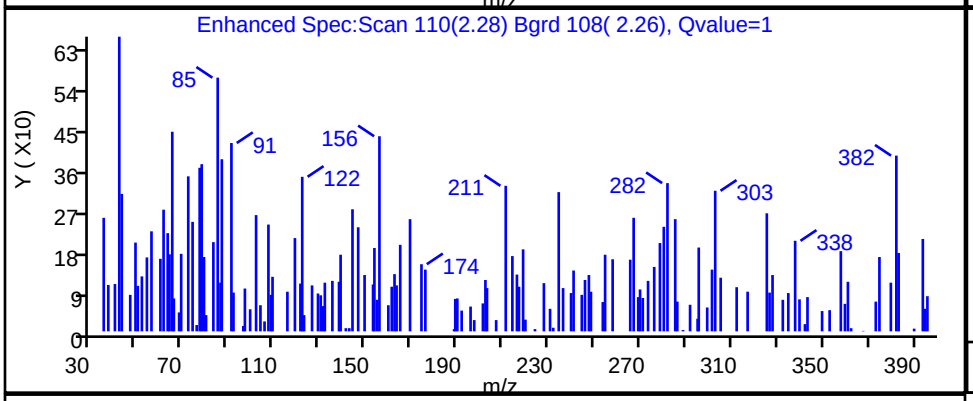
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

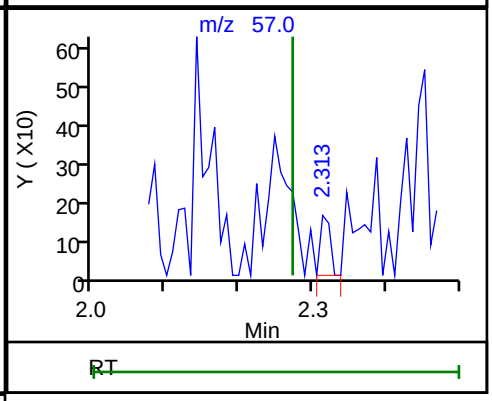
8 Pentane, CAS: 109-66-0

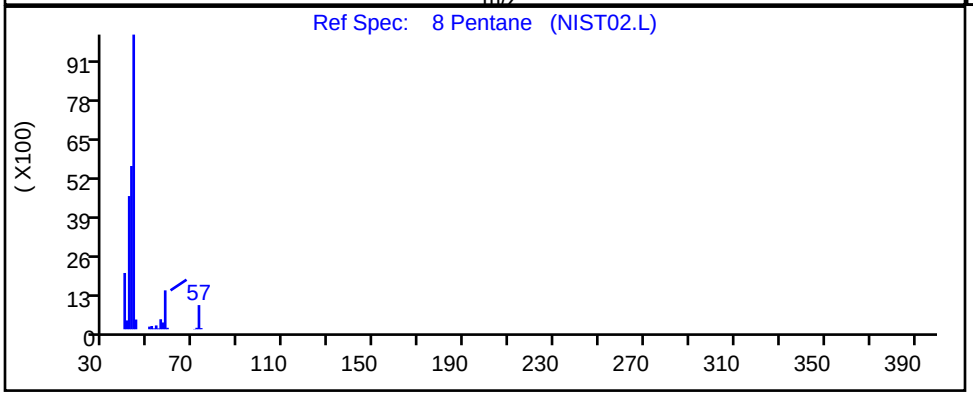
Processing Results











RT	Mass	Response	Amount
2.28	72.00	591	0.718263
2.31	57.00	144	

Reviewer: tupayachia, 10-Jul-2021 12:07:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

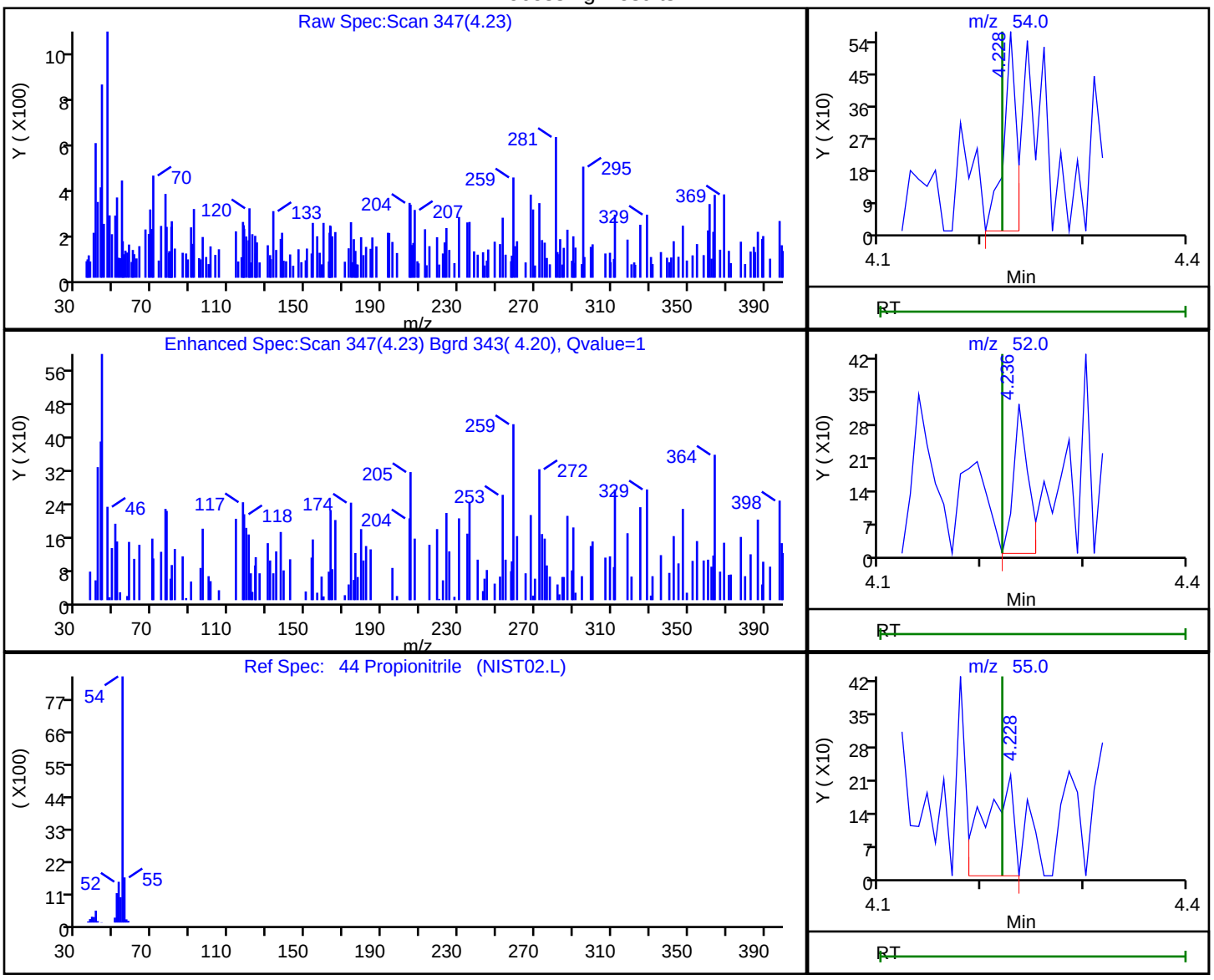
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.23	54.00	504	1.217293
4.24	52.00	319	
4.23	55.00	414	

Reviewer: baronm, 14-Jul-2021 20:45:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

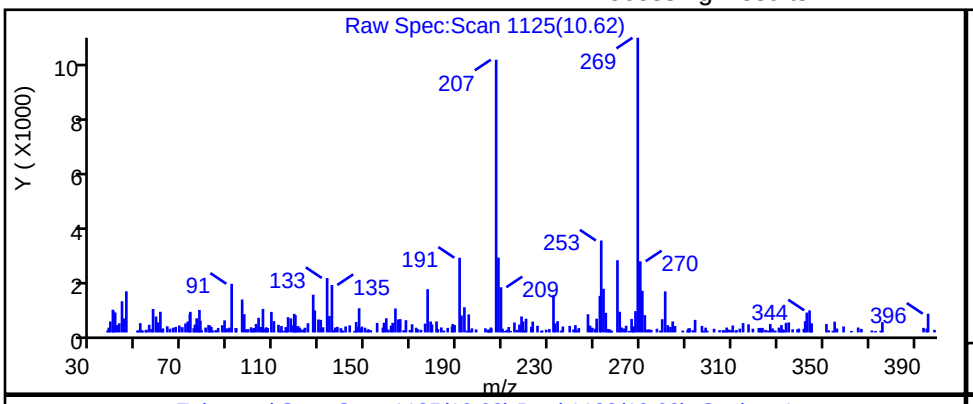
User Disabled Compound Report

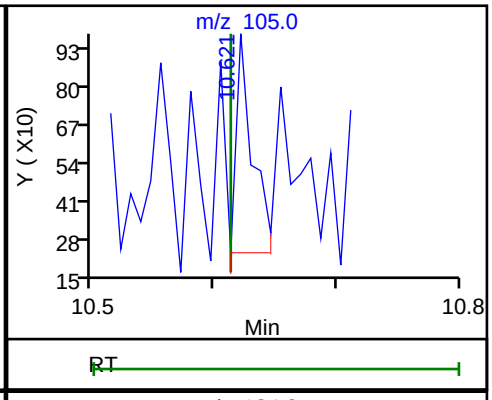
Eurofins TestAmerica, Edison

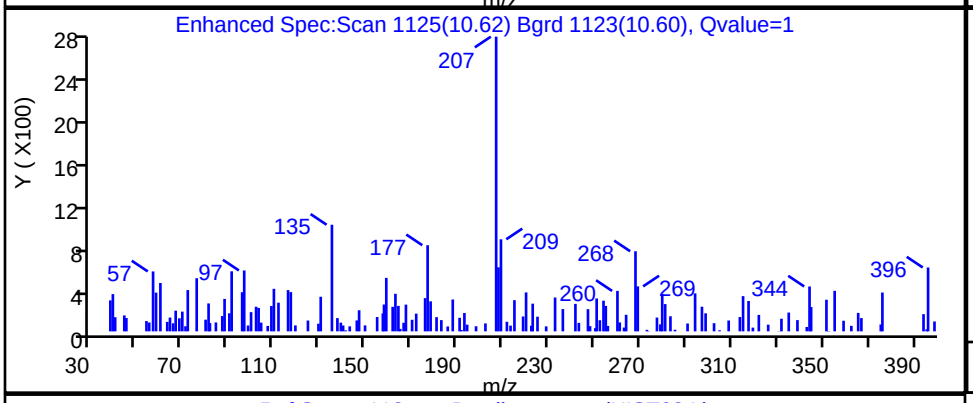
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

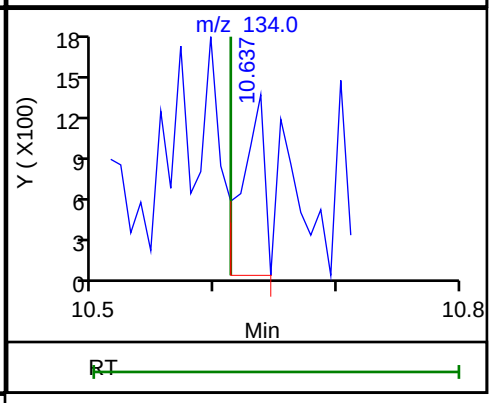
113 sec-Butylbenzene, CAS: 135-98-8

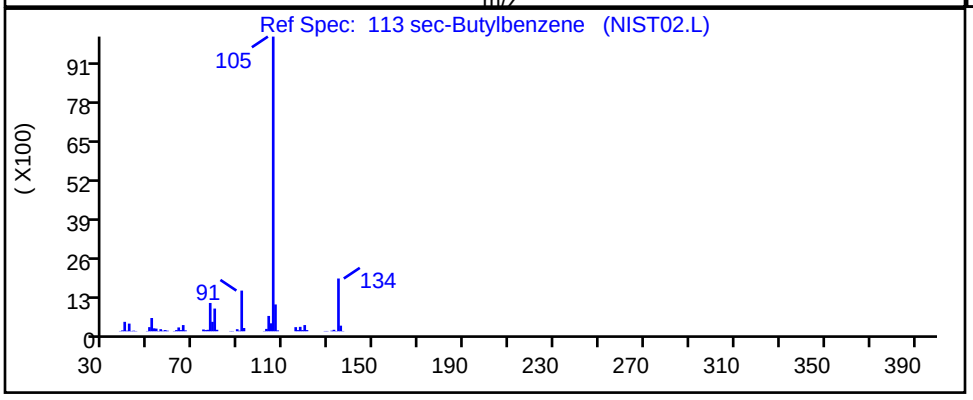
Processing Results











RT	Mass	Response	Amount
10.62	105.00	686	0.033454
10.64	134.00	1642	

Reviewer: tupayachia, 11-Jul-2021 11:21:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

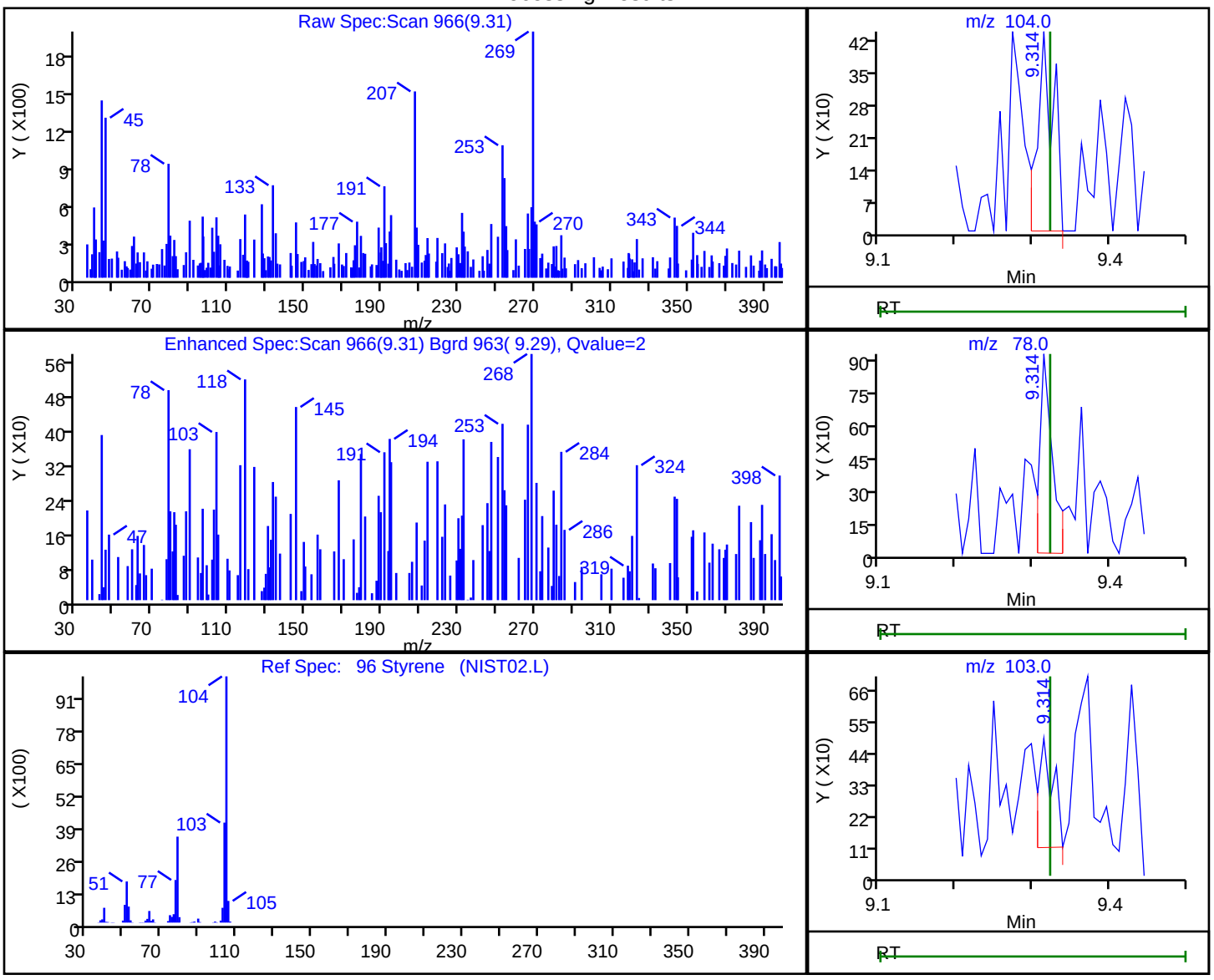
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

96 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.31	104.00	640	0.057850
9.31	78.00	1078	
9.31	103.00	513	

Reviewer: tupayachia, 11-Jul-2021 11:20:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

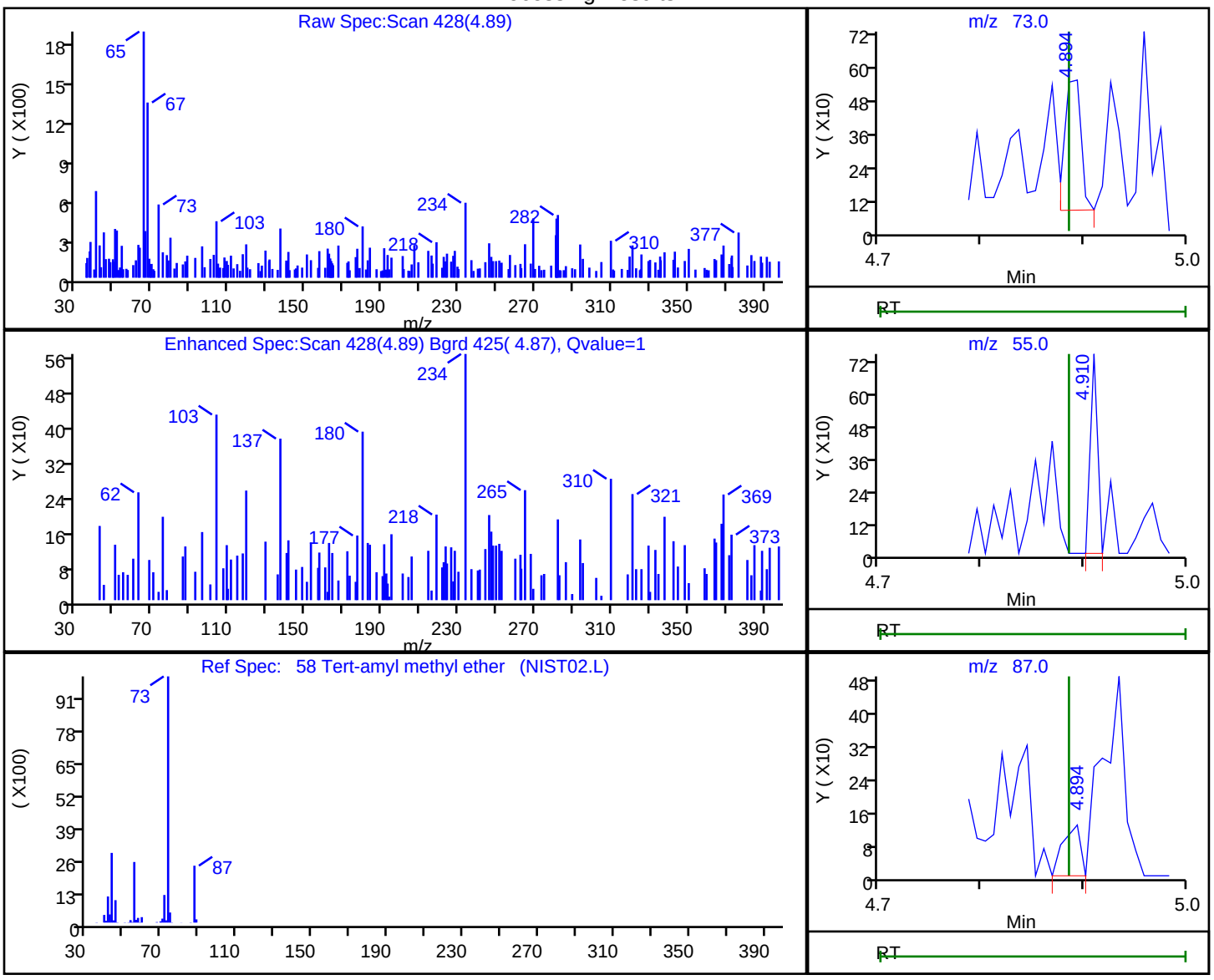
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

58 Tert-amyl methyl ether, CAS: 994-05-8

Processing Results



RT	Mass	Response	Amount
4.89	73.00	539	0.042648
4.91	55.00	370	
4.89	87.00	146	

Reviewer: baronm, 14-Jul-2021 20:45:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

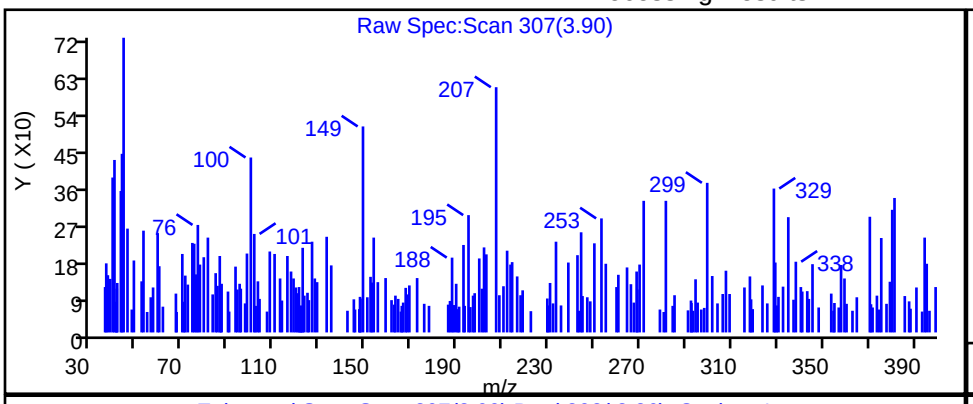
User Disabled Compound Report

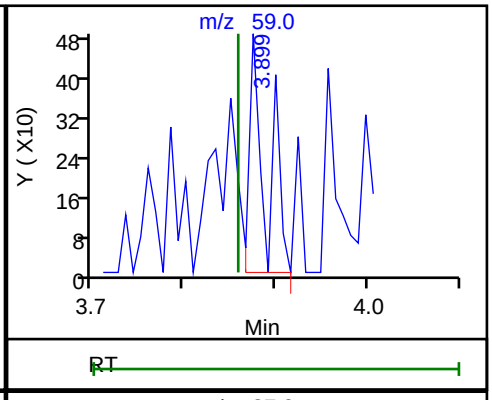
Eurofins TestAmerica, Edison

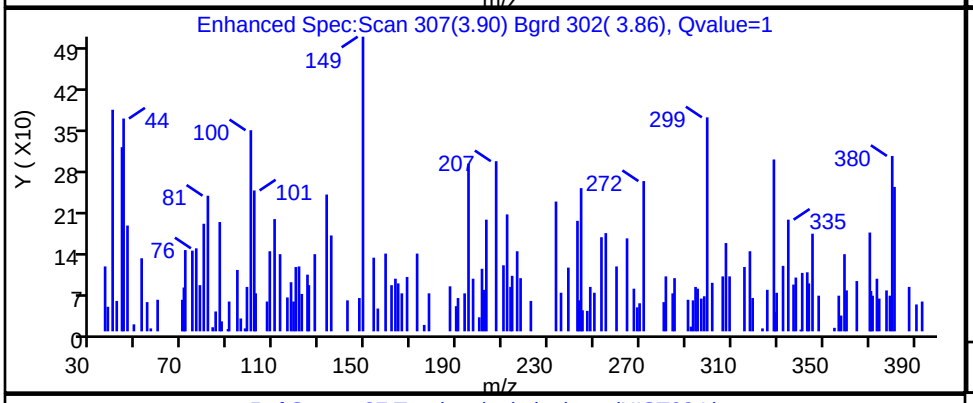
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

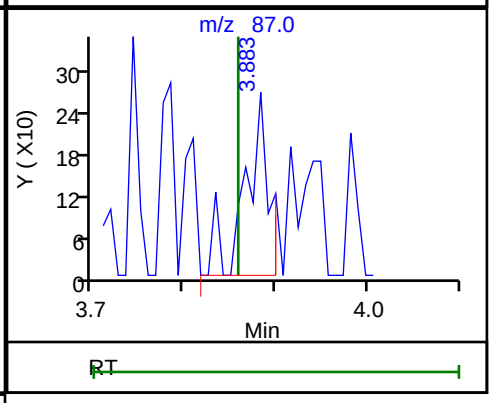
37 Tert-butyl ethyl ether, CAS: 637-92-3

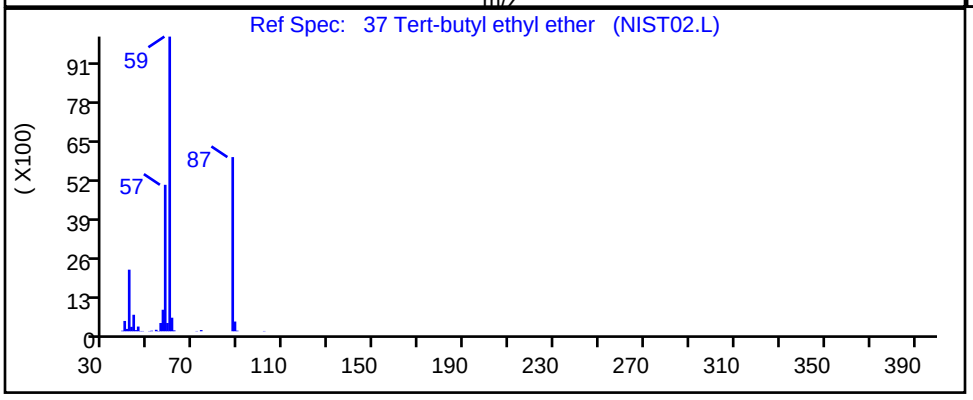
Processing Results











RT	Mass	Response	Amount
3.90	59.00	607	0.051259
3.88	87.00	474	

Reviewer: baronm, 14-Jul-2021 20:45:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

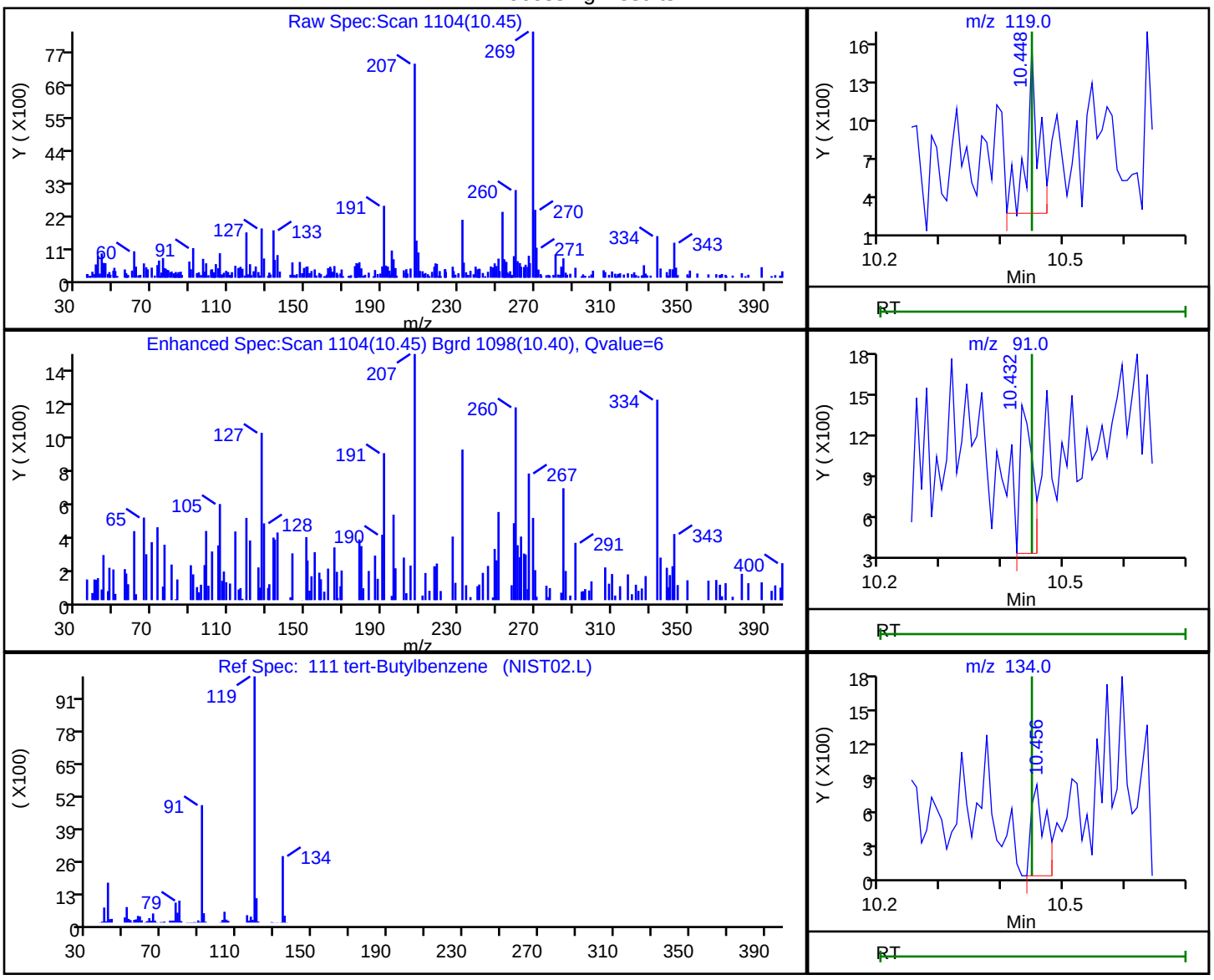
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

111 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
10.45	119.00	1670	0.124422
10.43	91.00	1478	
10.46	134.00	1268	

Reviewer: tupayachia, 11-Jul-2021 11:21:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

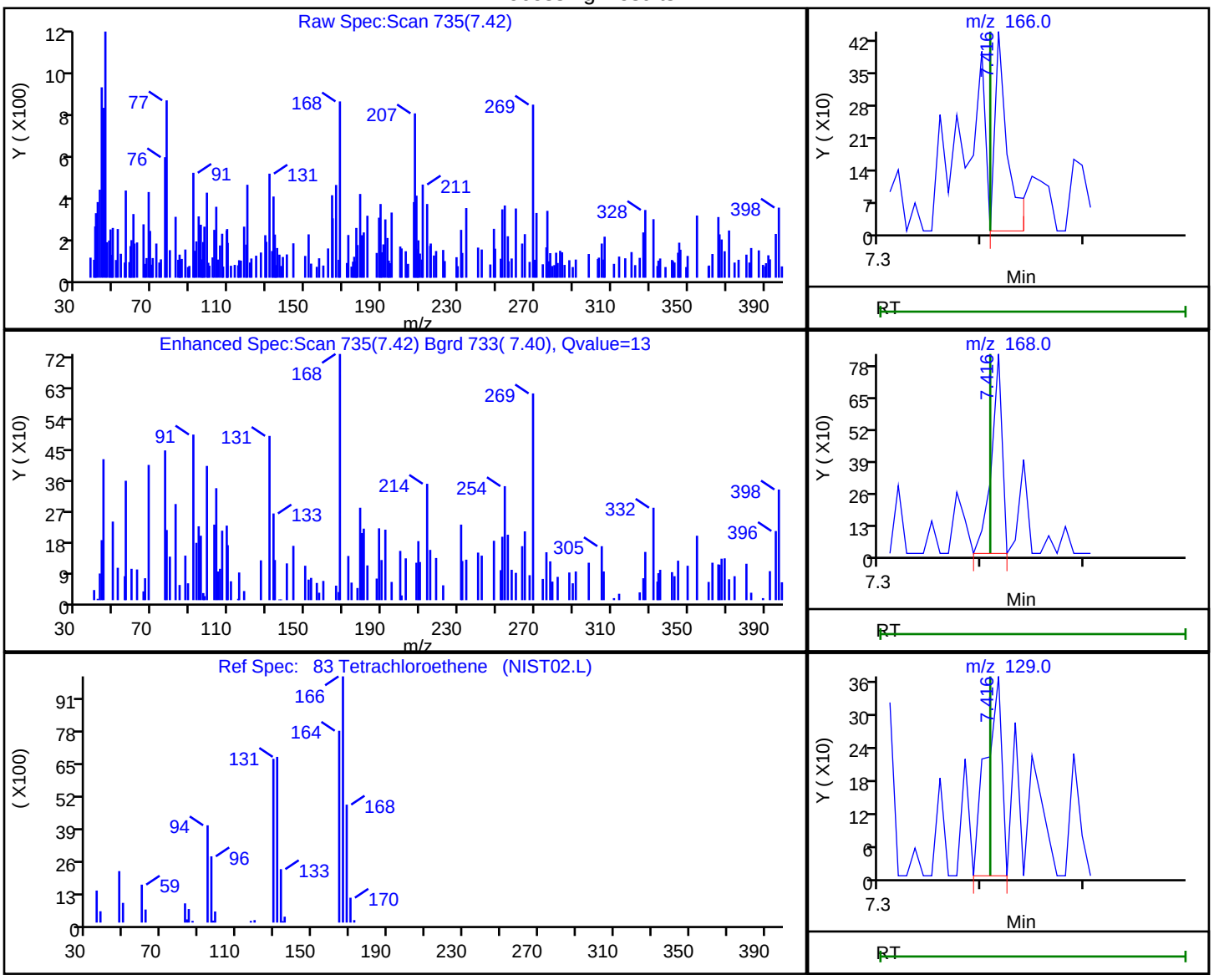
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
7.42	166.00	367	0.094351
7.42	168.00	599	
7.42	129.00	395	

Reviewer: tupayachia, 11-Jul-2021 11:20:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

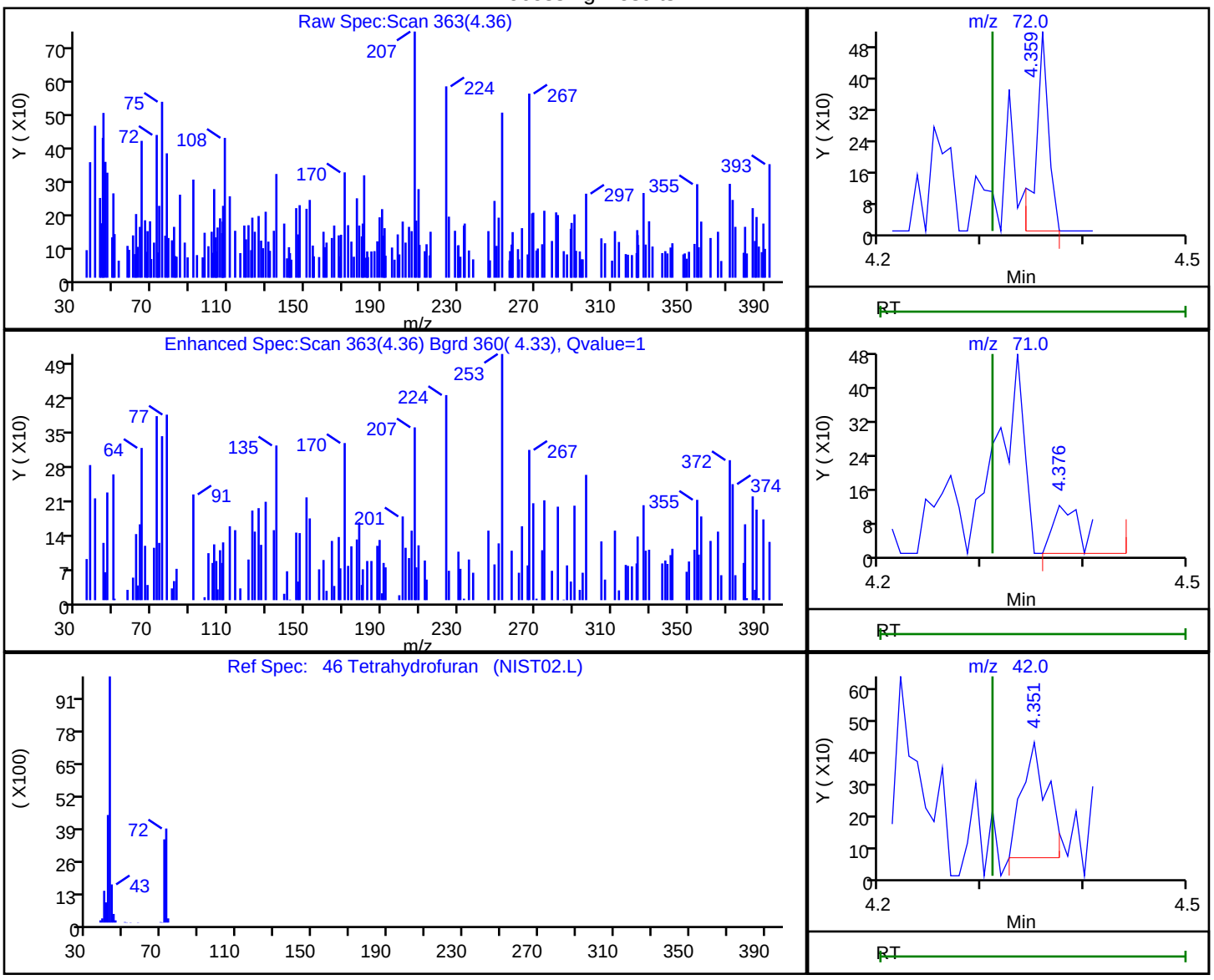
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

46 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
4.36	72.00	435	-3.231868
4.38	71.00	270	
4.35	42.00	646	

Reviewer: tupayachia, 11-Jul-2021 11:19:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

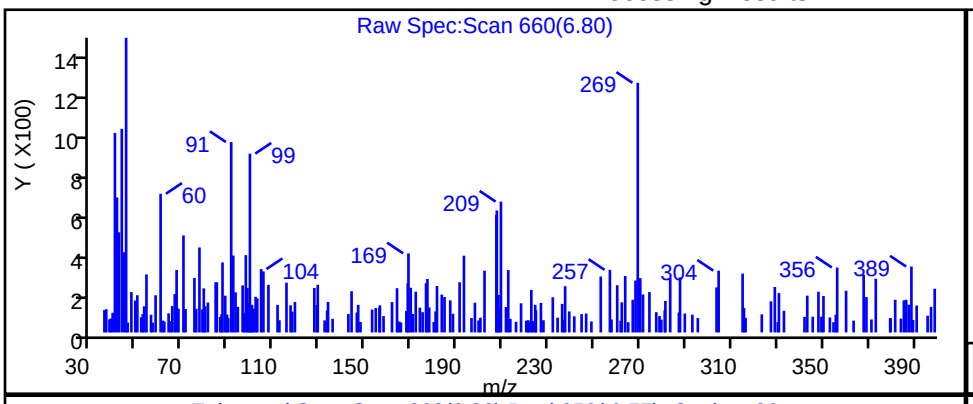
User Disabled Compound Report

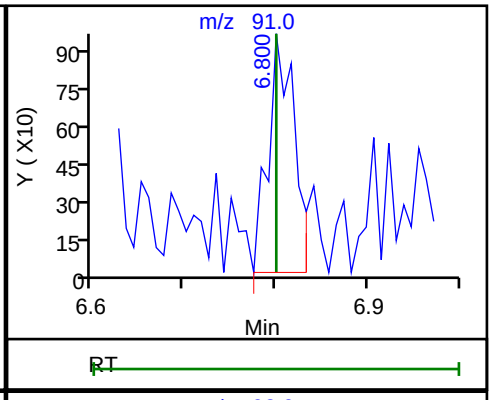
Eurofins TestAmerica, Edison

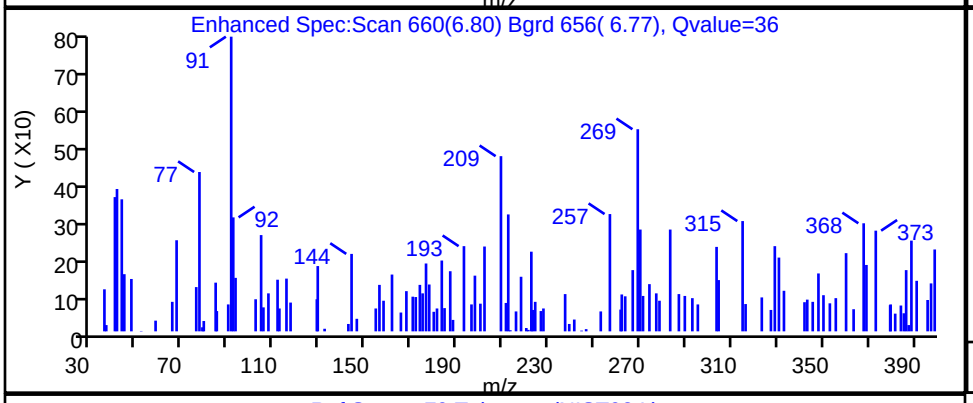
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

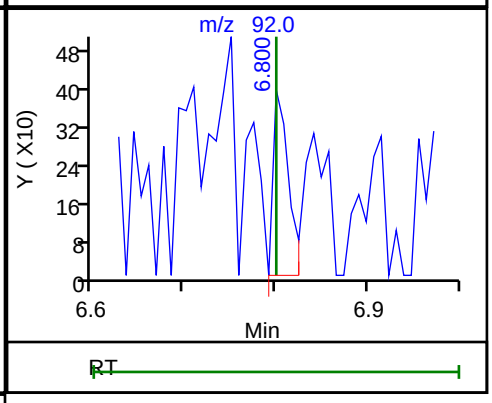
79 Toluene, CAS: 108-88-3

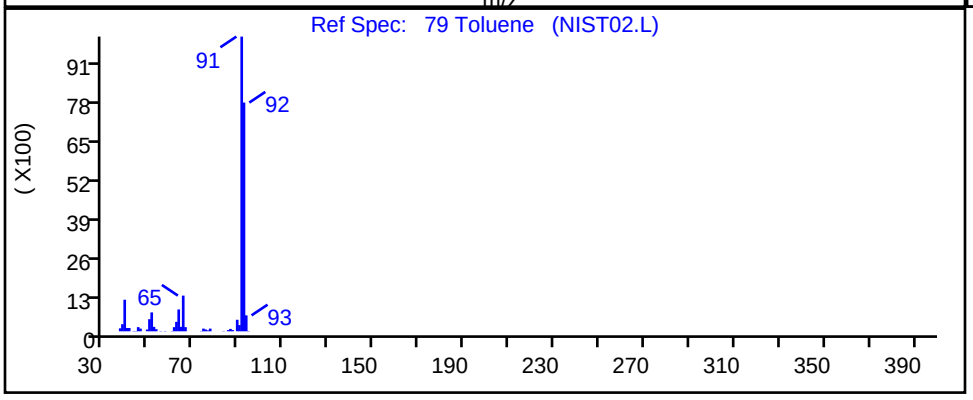
Processing Results











RT	Mass	Response	Amount
6.80	91.00	1934	0.136348
6.80	92.00	457	

Reviewer: tupayachia, 11-Jul-2021 11:20:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

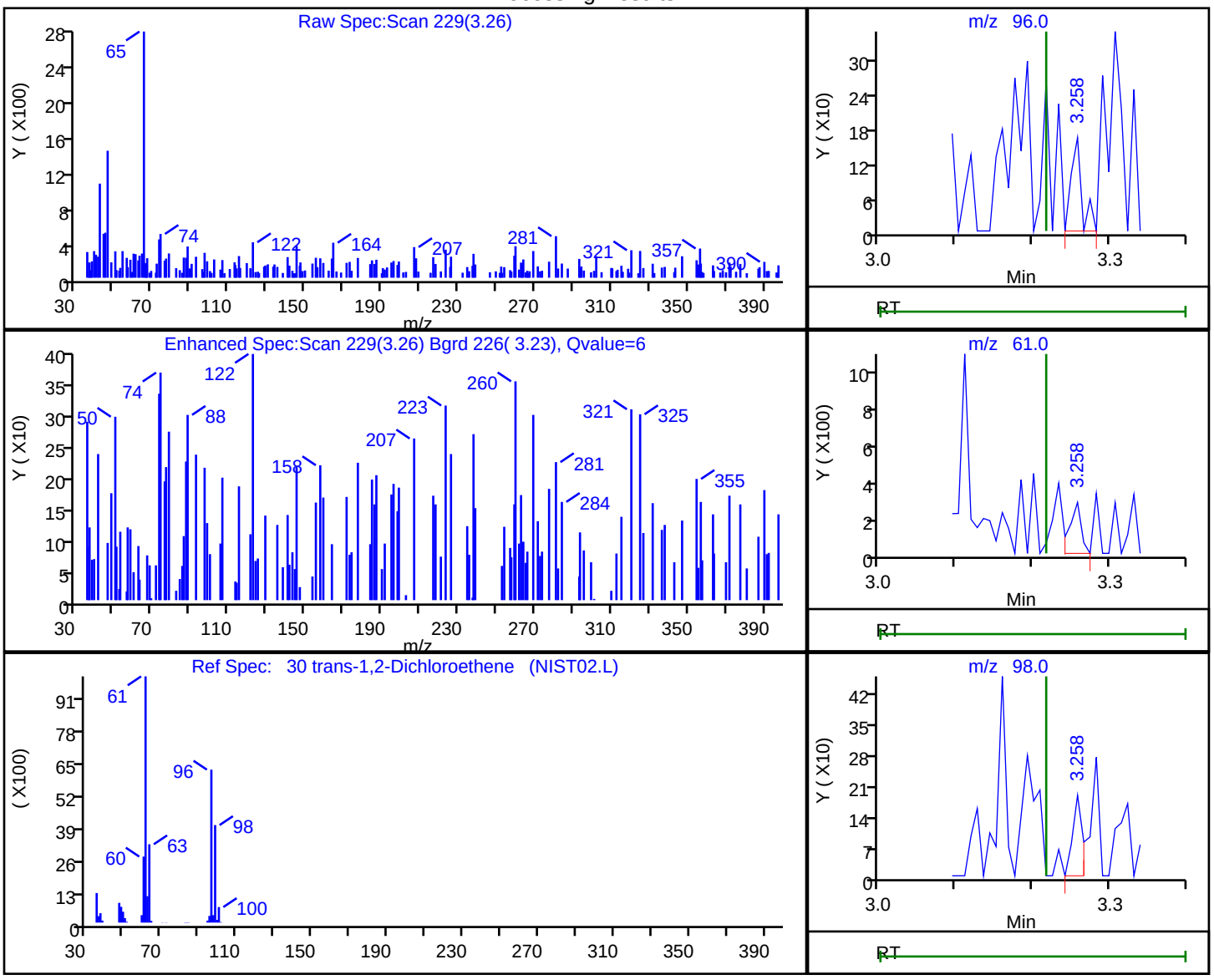
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

30 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
3.26	96.00	155	0.041544
3.26	61.00	276	
3.26	98.00	164	

Reviewer: tupayachia, 11-Jul-2021 11:19:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

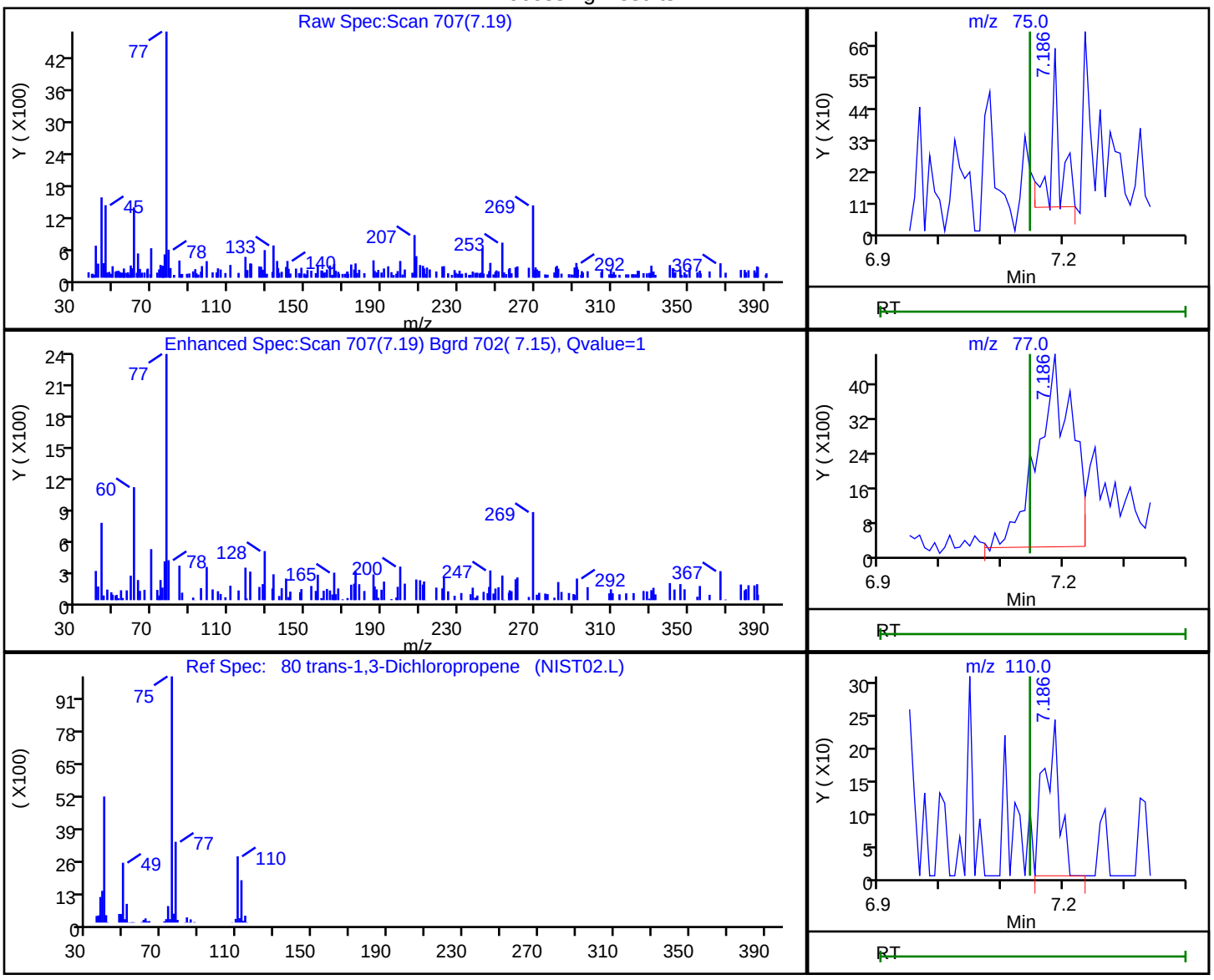
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

80 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
7.19	75.00	570	0.134755
7.19	77.00	17547	
7.19	110.00	419	

Reviewer: tupayachia, 11-Jul-2021 11:20:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

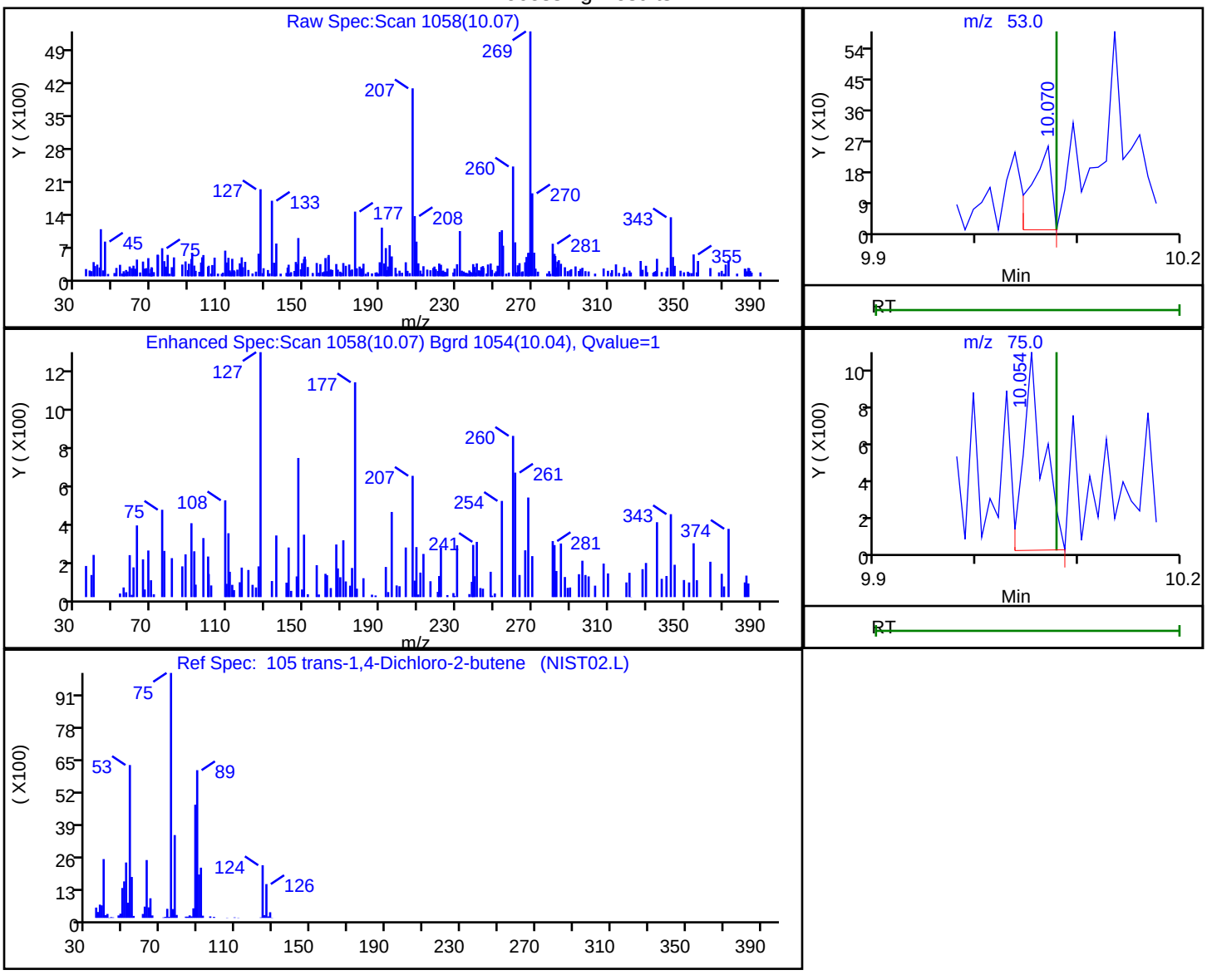
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D
Injection Date: 10-Jul-2021 08:45:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

105 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Processing Results



RT	Mass	Response	Amount
10.07	53.00	323	0.808780
10.05	75.00	1338	

Reviewer: baronm, 14-Jul-2021 20:45:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

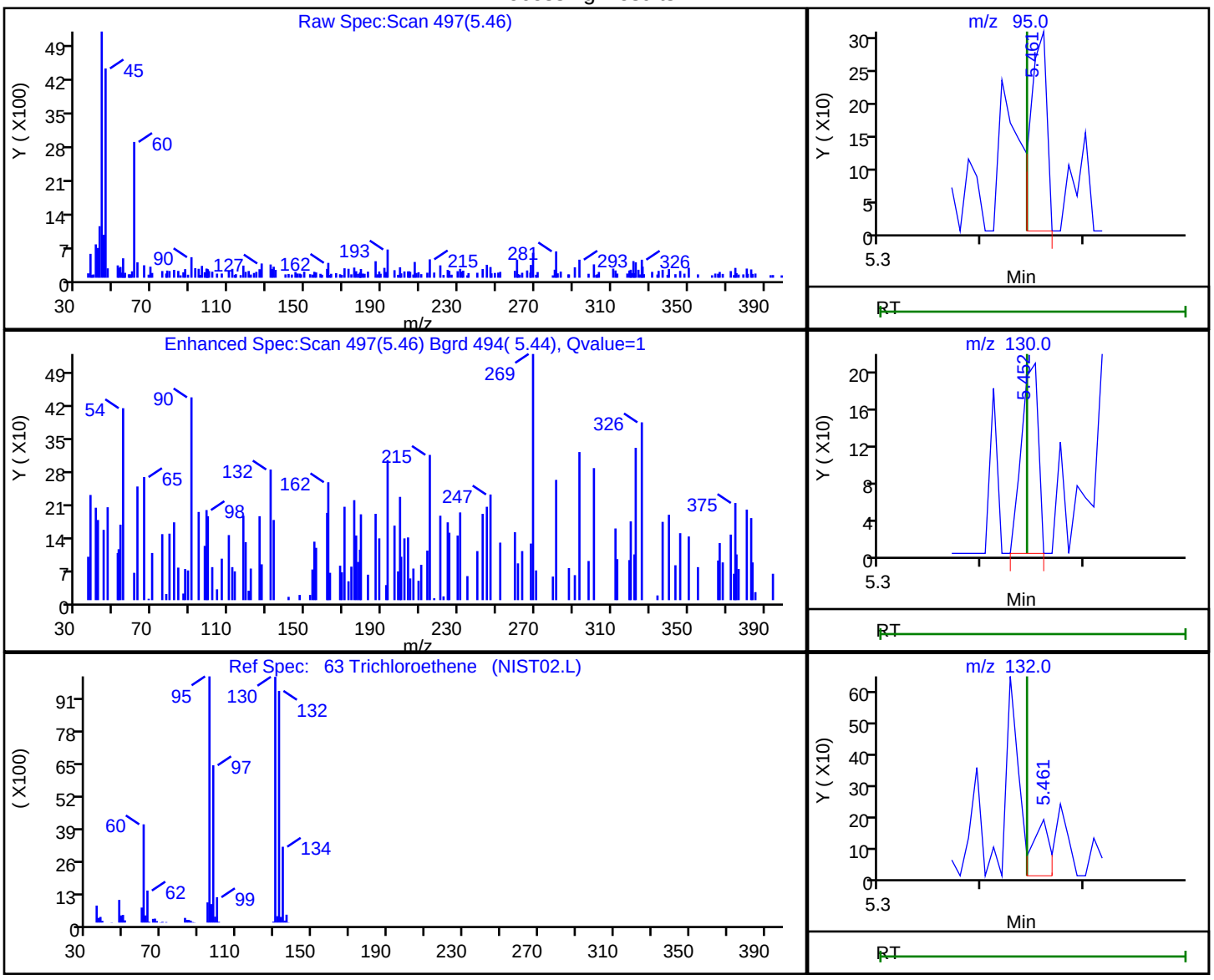
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
5.46	95.00	342	0.099515
5.45	130.00	236	
5.46	132.00	215	

Reviewer: tupayachia, 11-Jul-2021 11:20:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

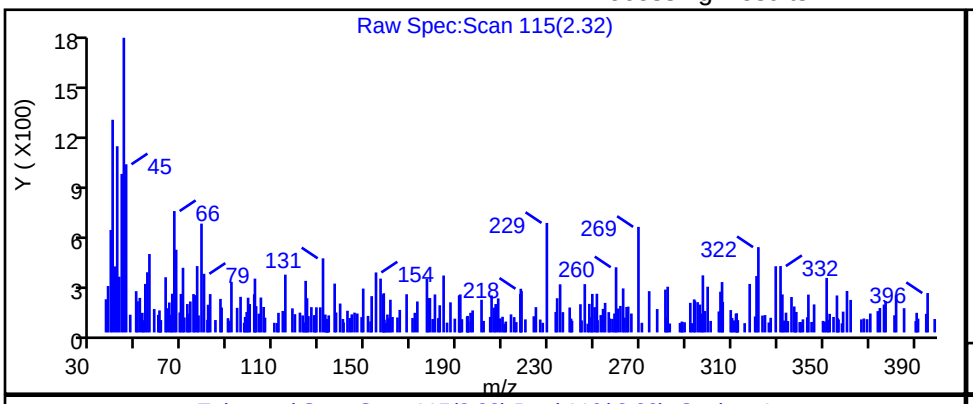
User Disabled Compound Report

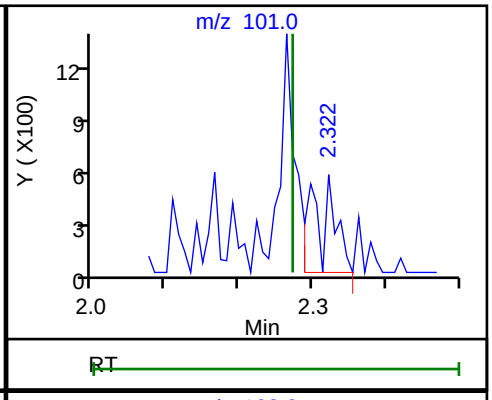
Eurofins TestAmerica, Edison

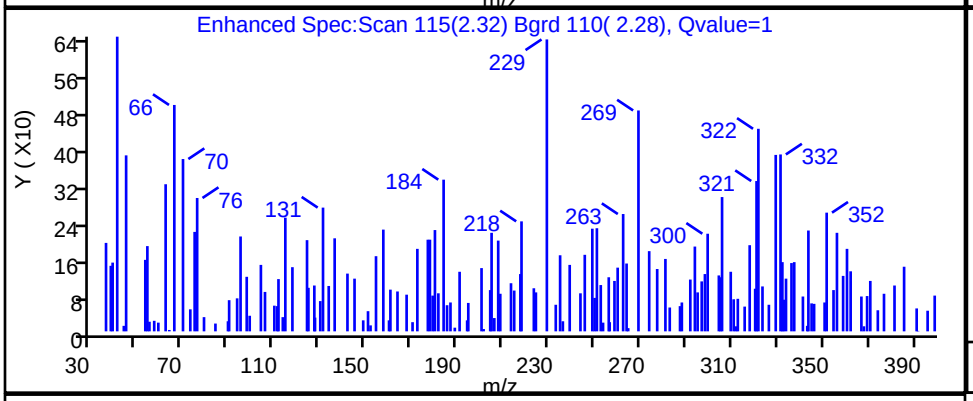
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D		
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

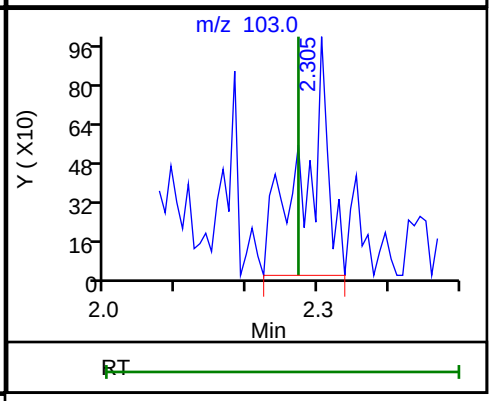
9 Trichlorofluoromethane, CAS: 75-69-4

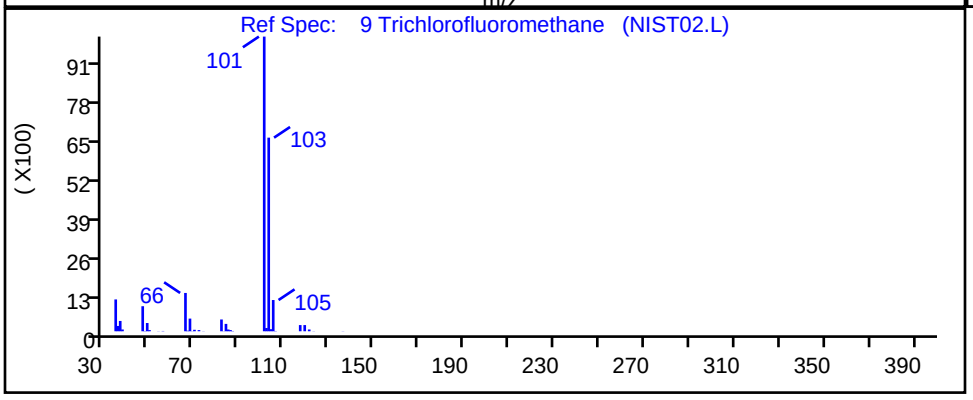
Processing Results











RT	Mass	Response	Amount
2.32	101.00	1109	0.135383
2.31	103.00	2465	

Reviewer: tupayachia, 10-Jul-2021 12:07:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

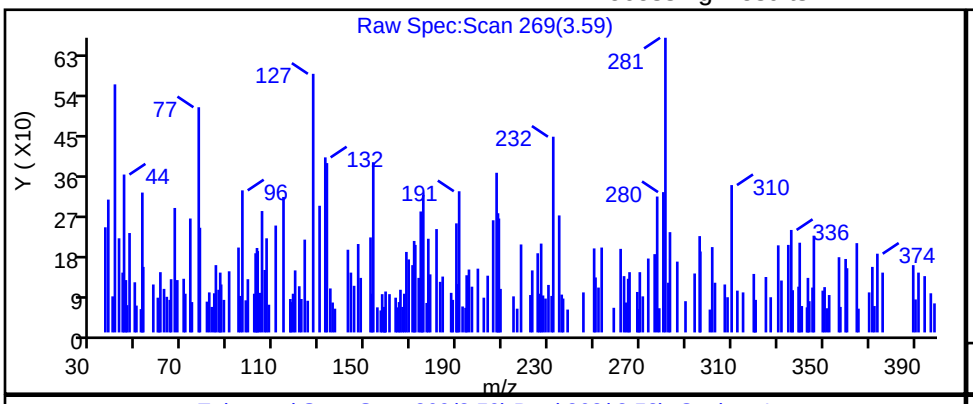
User Disabled Compound Report

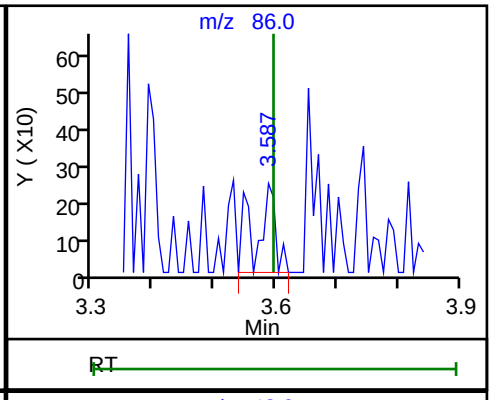
Eurofins TestAmerica, Edison

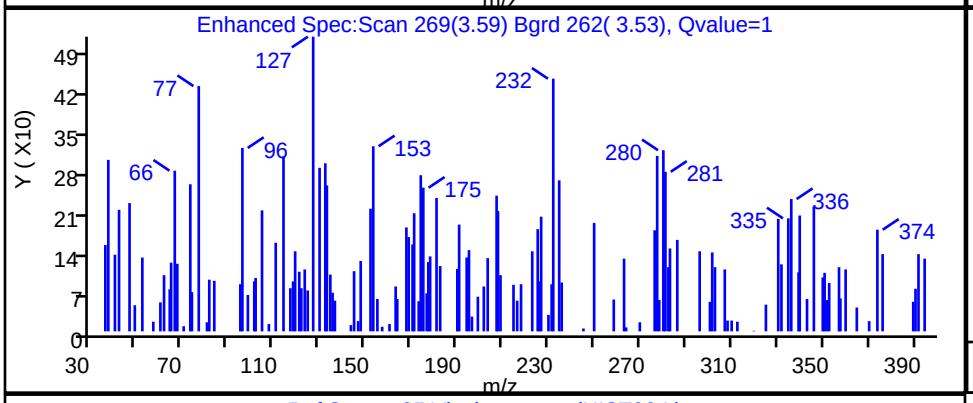
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

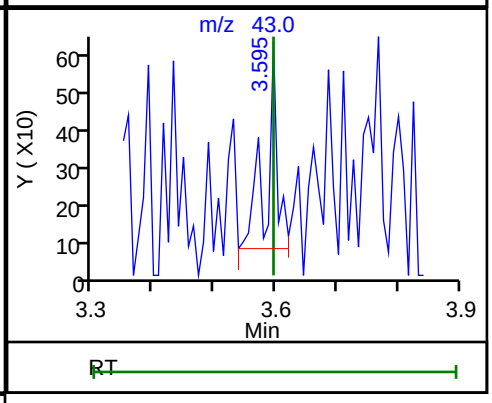
35 Vinyl acetate, CAS: 108-05-4

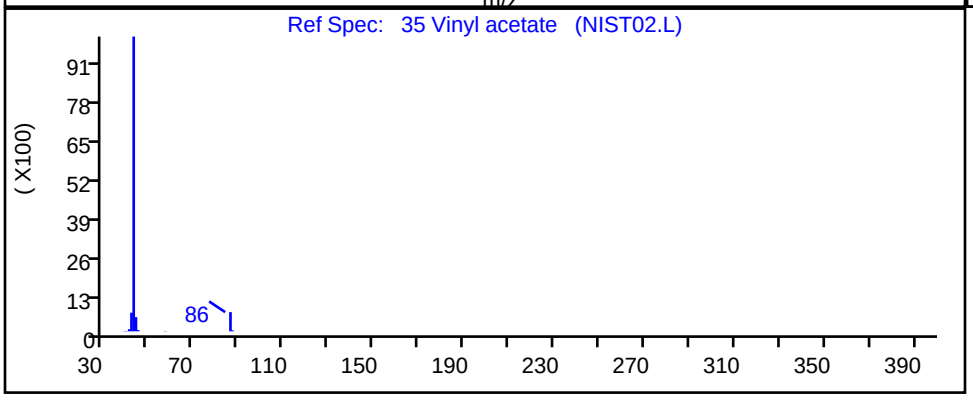
Processing Results











RT	Mass	Response	Amount
3.59	86.00	547	-1.404208
3.60	43.00	697	

Reviewer: tupayachia, 11-Jul-2021 11:19:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

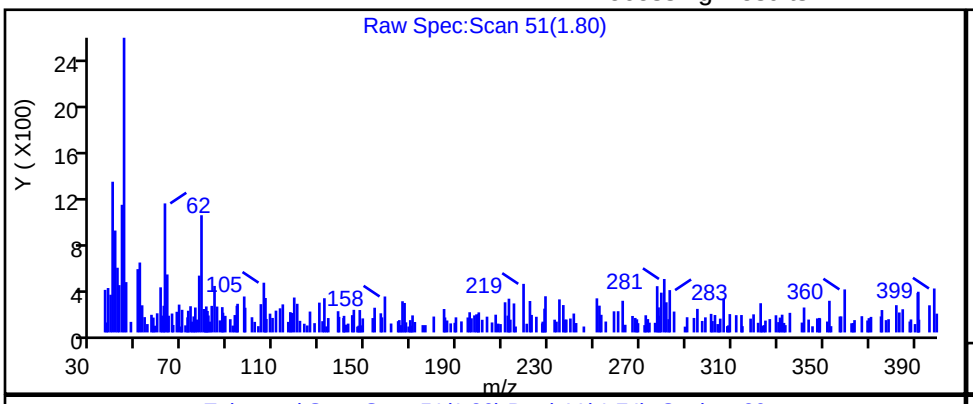
User Disabled Compound Report

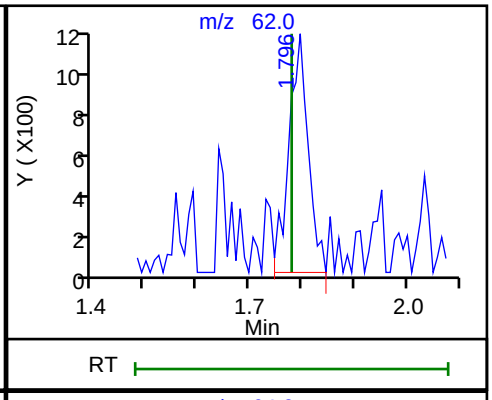
Eurofins TestAmerica, Edison

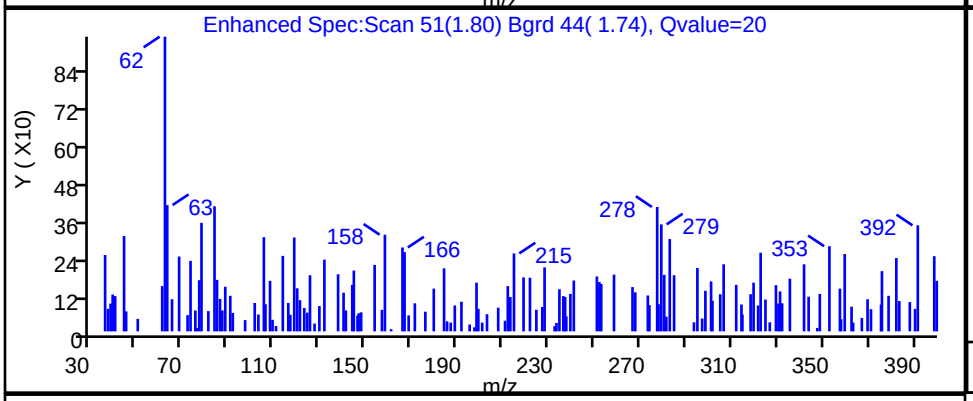
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16852.D				
Injection Date:	10-Jul-2021 08:45:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

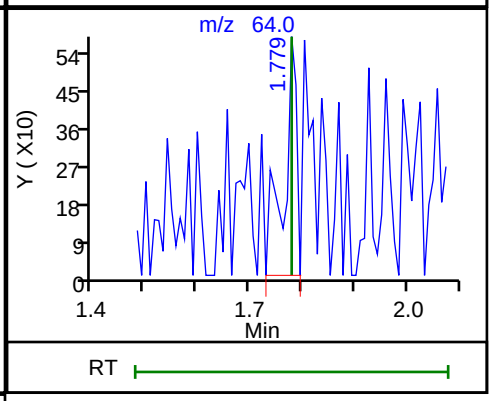
3 Vinyl chloride, CAS: 75-01-4

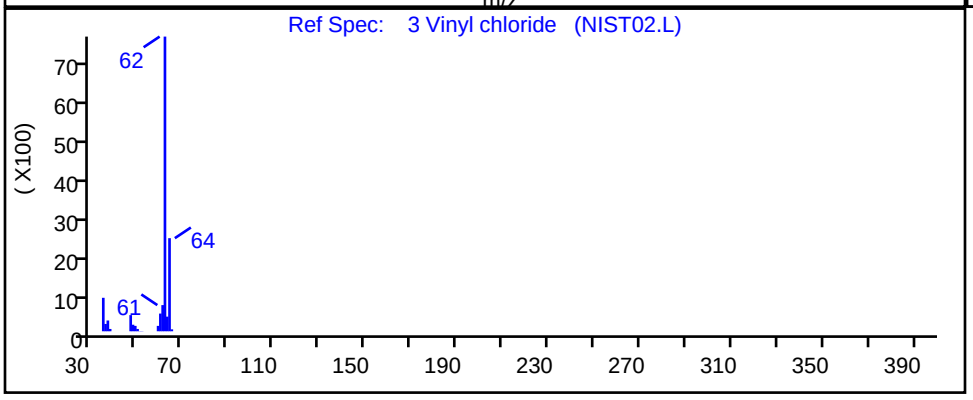
Processing Results











RT	Mass	Response	Amount
1.80	62.00	2847	0.440403
1.78	64.00	961	

Reviewer: tupayachia, 10-Jul-2021 12:06:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Jul-2021 09:31:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0131608-005
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:18 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: tupayachia Date: 10-Jul-2021 12:05:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.566	1.541	0.025	55	6260	1.00	0.8921	
2 Chloromethane	50	1.722	1.705	0.017	74	7032	1.00	1.02	
4 Butadiene	54	1.788	1.763	0.025	54	7967	1.00	1.12	
3 Vinyl chloride	62	1.788	1.779	0.009	57	6218	1.00	0.9708	
5 Bromomethane	94	2.051	2.042	0.009	76	7152	1.00	1.36	
6 Chloroethane	64	2.084	2.092	-0.008	57	3979	1.00	1.03	M
7 Dichlorofluoromethane	67	2.273	2.264	0.009	93	8496	1.00	0.8591	
9 Trichlorofluoromethane	101	2.297	2.272	0.025	67	12320	1.00	1.33	M
8 Pentane	72	2.256	2.272	-0.016	92	1921	2.00	2.40	
11 Ethyl ether	59	2.453	2.445	0.008	50	3699	1.00	1.22	
12 2-Methyl-1,3-butadiene	53	2.470	2.461	0.009	81	3135	1.00	0.8238	
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.503	2.511	-0.008	68	4852	1.00	1.19	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.577	2.560	0.017	1	7393	1.00	1.30	Ma
15 Acrolein	56	2.626	2.609	0.017	19	1629	4.06	3.99	
17 1,1-Dichloroethene	96	2.642	2.634	0.008	70	4007	1.00	1.13	
16 112TCTFE	101	2.642	2.634	0.008	22	5599	1.00	1.28	
18 Acetone	43	2.733	2.724	0.009	70	5602	5.00	5.06	
19 Iodomethane	142	2.798	2.782	0.016	97	9941	1.00	1.30	
21 Carbon disulfide	76	2.856	2.839	0.017	88	16423	1.00	1.25	
22 3-Chloro-1-propene	41	2.930	2.930	0.000	43	8280	1.00	1.28	a
23 Methyl acetate	43	2.963	2.938	0.025	95	7389	2.00	2.72	a
24 Cyclopentene	67	2.955	2.946	0.009	78	8987	1.00	1.08	a
25 Acetonitrile	41	2.979	2.996	-0.017	1	3115	10.0	6.85	a
27 Methylene Chloride	84	3.053	3.045	0.008	33	5222	1.00	1.28	
* 26 TBA-d9 (IS)	65	3.070	3.061	0.009	0	282992	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.119	3.111	0.008	28	4350	10.0	11.5	Ma
29 Methyl tert-butyl ether	73	3.201	3.193	0.008	74	15342	1.00	1.23	
30 trans-1,2-Dichloroethene	96	3.234	3.217	0.017	91	5235	1.00	0.9734	
31 Acrylonitrile	53	3.300	3.308	-0.008	88	14587	10.0	10.7	
32 Hexane	43	3.365	3.365	0.000	71	4320	1.00	1.29	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Isopropyl ether	45	3.571	3.571	0.000	90	11775	1.00	0.99	
35 Vinyl acetate	86	3.604	3.595	0.009	98	2317	2.00	1.94	M
34 1,1-Dichloroethane	63	3.595	3.595	0.000	66	8174	1.00	1.22	
36 2-Chloro-1,3-butadiene	88	3.645	3.628	0.017	65	4593	1.00	1.02	
37 Tert-butyl ethyl ether	59	3.867	3.858	0.009	86	13023	1.00	1.07	a
* 38 2-Butanone-d5	46	4.056	4.039	0.017	0	291784	250.0	250.0	
39 2,2-Dichloropropane	97	4.097	4.080	0.017	32	1090	1.00	0.7788	
40 cis-1,2-Dichloroethene	96	4.088	4.080	0.008	78	4654	1.00	1.15	
41 2-Butanone (MEK)	72	4.113	4.088	0.025	89	1541	5.00	4.86	
42 Ethyl acetate	70	4.097	4.097	0.000	78	903	2.00	3.08	
43 Methyl acrylate	55	4.162	4.154	0.008	59	3045	1.00	1.13	M
44 Propionitrile	54	4.236	4.220	0.016	55	2815	10.0	6.98	
45 Chlorobromomethane	128	4.302	4.302	0.000	64	3176	1.00	1.53	
46 Tetrahydrofuran	72	4.327	4.310	0.017	7	1106	2.00	2.46	M
47 Methacrylonitrile	67	4.327	4.318	0.009	93	9306	10.0	7.20	
48 Chloroform	83	4.360	4.351	0.009	95	8499	1.00	1.20	
49 Cyclohexane	84	4.475	4.483	-0.008	31	6861	1.00	1.11	M
50 1,1,1-Trichloroethane	97	4.508	4.499	0.009	36	8420	1.00	1.13	
$ 51 Dibromofluoromethane (Surr)	113	4.508	4.507	0.001	95	149673	50.0	51.9	
52 Carbon tetrachloride	117	4.606	4.614	-0.008	75	7079	1.00	1.13	
53 1,1-Dichloropropene	75	4.647	4.631	0.016	57	5652	1.00	1.15	
54 Isobutyl alcohol	43	4.795	4.795	0.000	40	2324	25.0	9.57	
55 Benzene	78	4.828	4.820	0.008	44	13468	1.00	1.01	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.844	4.844	0.000	0	217928	50.0	48.3	
57 Isopropyl acetate	43	4.886	4.885	0.001	39	9448	1.00	0.8338	
58 Tert-amyl methyl ether	73	4.886	4.885	0.001	28	13387	1.00	1.03	
59 1,2-Dichloroethane	62	4.910	4.910	0.000	1	9139	1.00	1.34	a
60 n-Heptane	57	4.976	4.976	0.000	53	2383	1.00	0.9820	M
* 61 Fluorobenzene	96	5.107	5.107	0.000	97	490910	50.0	50.0	
62 n-Butanol	56	5.395	5.395	0.000	27	1551	25.0	25.2	M
63 Trichloroethene	95	5.444	5.444	0.000	52	4344	1.00	1.23	
64 Ethyl acrylate	55	5.584	5.567	0.017	89	9237	1.00	1.02	
65 Methylcyclohexane	83	5.576	5.567	0.009	83	7704	1.00	1.17	
66 1,2-Dichloropropane	63	5.724	5.724	0.000	55	4561	1.00	1.40	
* 67 1,4-Dioxane-d8	96	5.781	5.789	-0.008	0	22103	1000.0	1000.0	
68 Methyl methacrylate	100	5.822	5.797	0.025	49	2544	2.00	2.60	
69 1,4-Dioxane	88	5.847	5.847	0.000	13	1124	50.0	52.1	Ma
70 Dibromomethane	93	5.855	5.855	0.000	43	2683	1.00	1.19	
71 n-Propyl acetate	43	5.855	5.855	0.000	62	3604	1.00	0.8093	
72 Dichlorobromomethane	83	6.011	5.995	0.016	63	5002	1.00	1.01	
73 2-Nitropropane	41	6.323	6.323	0.000	83	4884	2.00	1.99	
74 2-Chloroethyl vinyl ether	63	6.323	6.332	-0.009	34	2540	1.00	1.03	Ma
75 Epichlorohydrin	57	6.447	6.422	0.025	64	5642	20.0	20.8	
76 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	61	4729	1.00	1.03	
77 4-Methyl-2-pentanone (MIBK)	43	6.660	6.652	0.008	96	20637	5.00	5.61	
$ 78 Toluene-d8 (Surr)	98	6.734	6.734	0.000	98	505141	50.0	50.9	
79 Toluene	91	6.808	6.800	0.008	93	16335	1.00	1.11	
80 trans-1,3-Dichloropropene	75	7.145	7.145	0.000	57	4877	1.00	1.11	
81 Ethyl methacrylate	69	7.186	7.186	0.000	60	3763	1.00	0.9341	
82 1,1,2-Trichloroethane	83	7.367	7.359	0.008	57	2171	1.00	0.9745	
83 Tetrachloroethene	166	7.408	7.408	0.000	61	4981	1.00	1.24	
84 1,3-Dichloropropane	76	7.572	7.564	0.008	83	5304	1.00	1.14	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Hexanone	43	7.638	7.630	0.008	94	15464	5.00	6.69	
86 n-Butyl acetate	43	7.761	7.753	0.008	65	8335	1.00	0.99	
87 Chlorodibromomethane	129	7.803	7.794	0.009	41	3502	1.00	1.09	
88 Ethylene Dibromide	107	7.950	7.950	0.000	67	4190	1.00	0.99	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	89	386127	50.0	50.0	
90 Chlorobenzene	112	8.526	8.525	0.001	95	12104	1.00	1.23	
91 Ethylbenzene	106	8.632	8.632	0.000	97	6418	1.00	1.18	
92 1,1,1,2-Tetrachloroethane	131	8.657	8.649	0.008	75	5042	1.00	1.17	
93 m-Xylene & p-Xylene	106	8.797	8.797	0.000	0	8480	1.00	1.25	
94 n-Butyl acrylate	73	9.282	9.281	0.001	57	2217	1.00	0.7955	
95 o-Xylene	106	9.290	9.290	0.000	90	7164	1.00	1.01	
96 Styrene	104	9.323	9.323	0.000	92	13140	1.00	1.15	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	84	8844	1.00	0.9819	
98 Bromoform	173	9.536	9.536	0.000	51	2185	1.00	1.02	
99 Isopropylbenzene	105	9.668	9.668	0.000	95	23333	1.00	1.16	
$ 100 4-Bromofluorobenzene	174	9.857	9.857	0.000	91	186551	50.0	52.2	
101 Bromobenzene	156	9.980	9.972	0.008	86	4618	1.00	0.9672	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	69	4181	1.00	1.03	
103 N-Propylbenzene	91	10.046	10.046	0.000	98	26365	1.00	1.10	
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	50	1895	1.00	1.23	
105 trans-1,4-Dichloro-2-butene	53	10.062	10.078	-0.016	1	703	1.00	1.63	Ma
106 2-Chlorotoluene	91	10.136	10.136	0.000	89	19462	1.00	1.15	
107 4-Ethyltoluene	105	10.144	10.144	0.000	93	21286	1.00	1.04	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	89	18012	1.00	1.02	
109 4-Chlorotoluene	91	10.235	10.235	0.000	94	16798	1.00	1.15	
110 Butyl Methacrylate	87	10.292	10.292	0.000	87	5143	1.00	0.9289	
111 tert-Butylbenzene	119	10.448	10.448	0.000	97	14623	1.00	1.01	
112 1,2,4-Trimethylbenzene	105	10.498	10.498	0.000	96	18995	1.00	1.05	
113 sec-Butylbenzene	105	10.604	10.613	-0.009	98	20896	1.00	0.9460	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	83	12214	1.00	1.11	
114 4-Isopropyltoluene	119	10.720	10.719	0.001	94	20006	1.00	0.9658	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	96	272974	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	90	11804	1.00	1.10	
118 1,2,3-Trimethylbenzene	105	10.802	10.802	0.000	89	17316	1.00	0.9036	
119 Benzyl chloride	91	10.884	10.884	0.000	94	11545	1.00	1.02	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	93	20995	1.00	1.08	
121 p-Diethylbenzene	119	10.974	10.974	0.000	81	12297	1.00	1.05	
122 n-Butylbenzene	92	10.991	10.991	0.000	95	11448	1.00	1.02	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	94	14352	1.00	1.27	
124 1,2,4,5-Tetramethylbenzene	119	11.467	11.459	0.008	94	20755	1.00	1.03	
125 1,2-Dibromo-3-Chloropropane	157	11.541	11.525	0.016	14	2280	1.00	1.00	Ma
126 1,3,5-Trichlorobenzene	180	11.615	11.607	0.008	89	11118	1.00	1.19	
127 1,2,4-Trichlorobenzene	180	12.001	11.993	0.008	92	9992	1.00	1.16	
128 Hexachlorobutadiene	225	12.067	12.059	0.008	60	3782	1.00	1.07	
129 Naphthalene	128	12.157	12.149	0.008	96	19623	1.00	1.05	
130 1,2,3-Trichlorobenzene	180	12.314	12.305	0.009	92	8123	1.00	1.07	
S 131 1,2-Dichloroethene, Total	100				0		2.00	2.13	
S 133 Total BTEX	1				0		5.00	5.57	
S 132 Xylenes, Total	100				0		2.00	2.26	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00428	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	10.00	Units: uL	
ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
14DIOXINTER_00131	Amount Added:	30.00	Units: uL	
524freon_00039	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2021 21:51:21 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D

Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6 Operator ID:

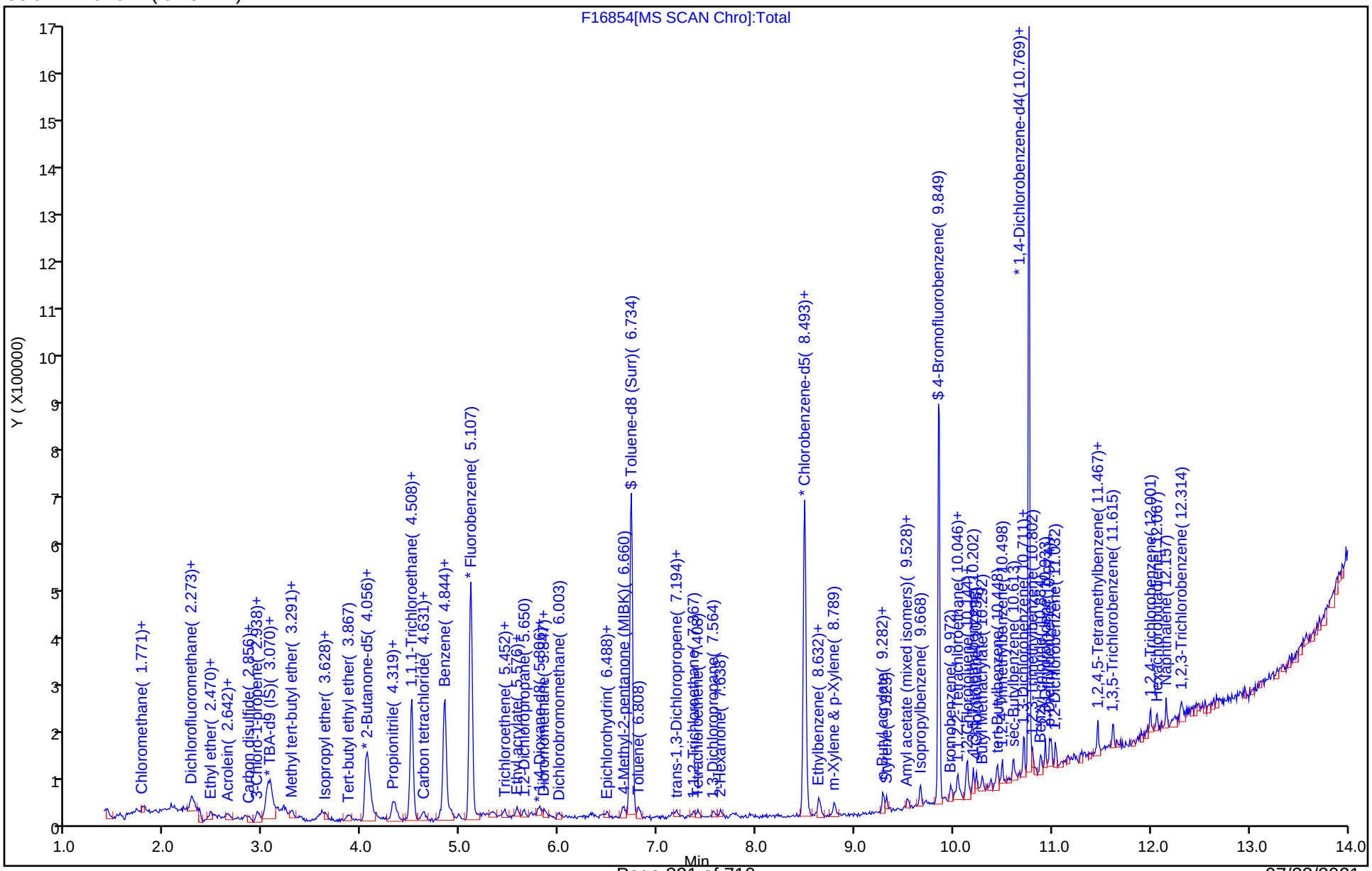
Lims ID: STD1 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

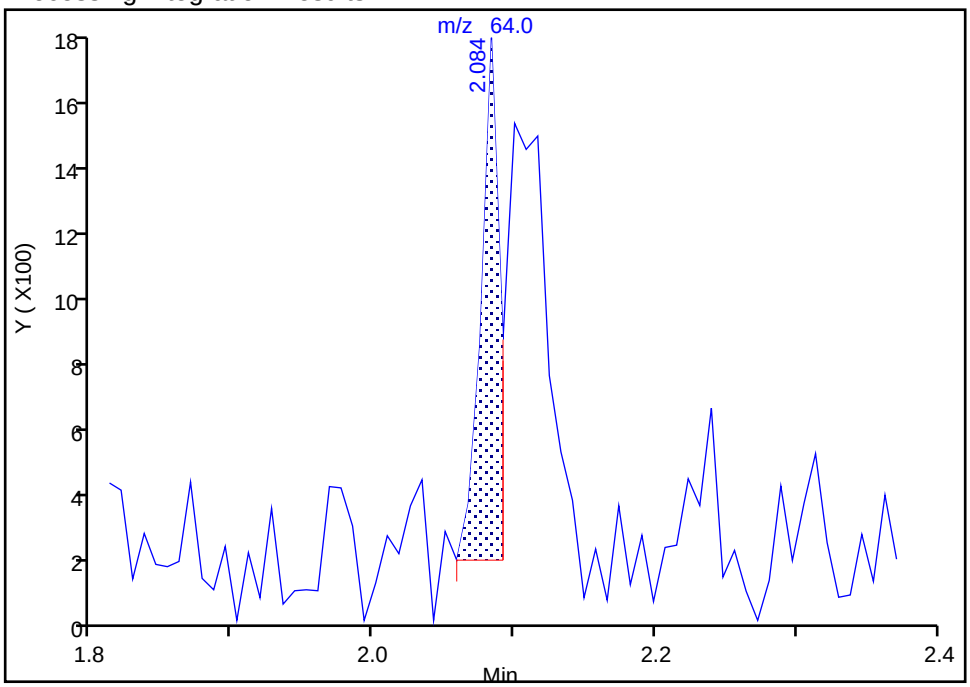
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Chloroethane, CAS: 75-00-3

Signal: 1

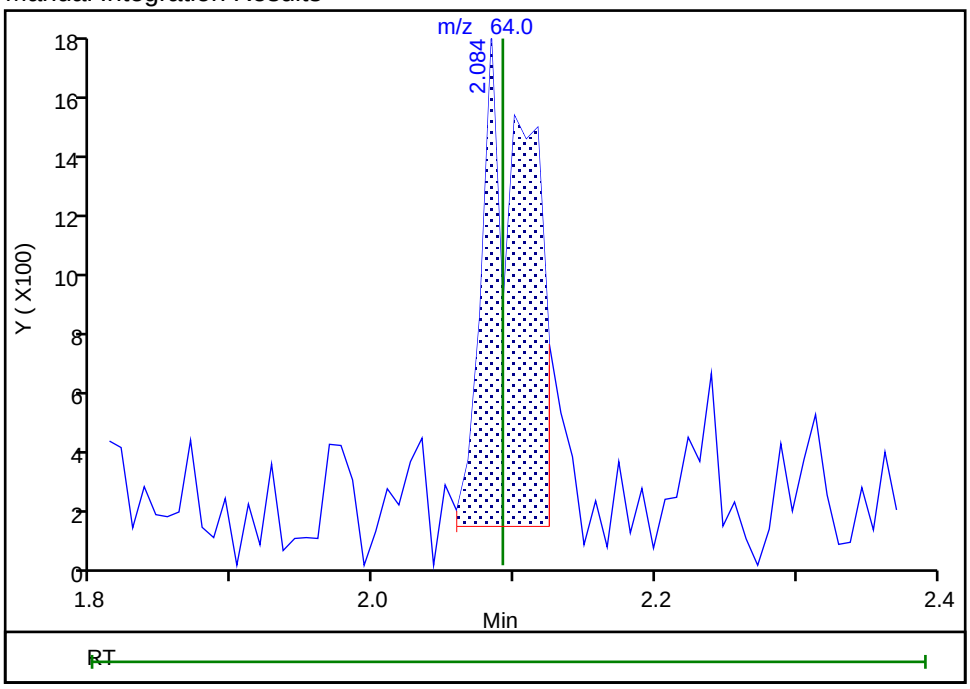
Processing Integration Results

RT: 2.08
Area: 1539
Amount: 0.417360
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 3979
Amount: 1.030379
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:02:13
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

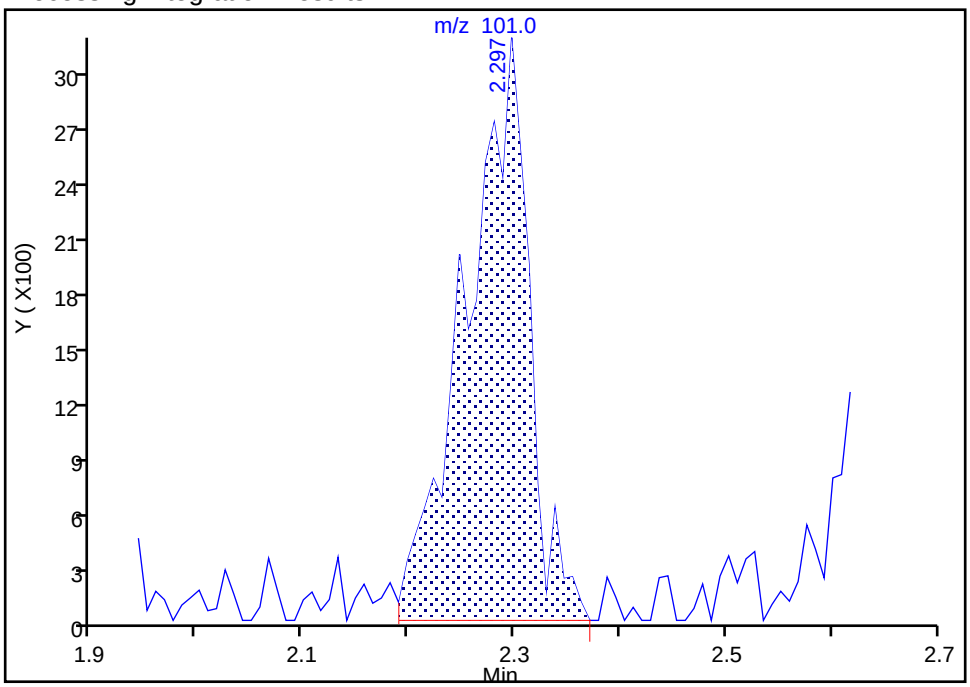
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

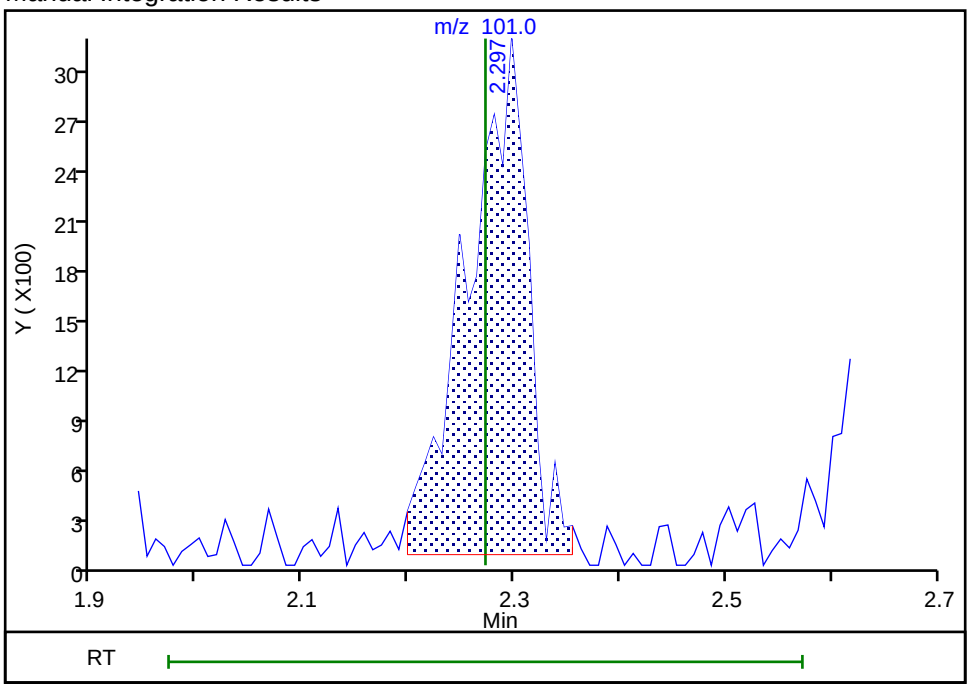
Processing Integration Results

RT: 2.30
Area: 13036
Amount: 1.550427
Amount Units: ug/l



Manual Integration Results

RT: 2.30
Area: 12320
Amount: 1.334927
Amount Units: ug/l



Reviewer: tupayachia, 11-Jul-2021 11:23:59
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

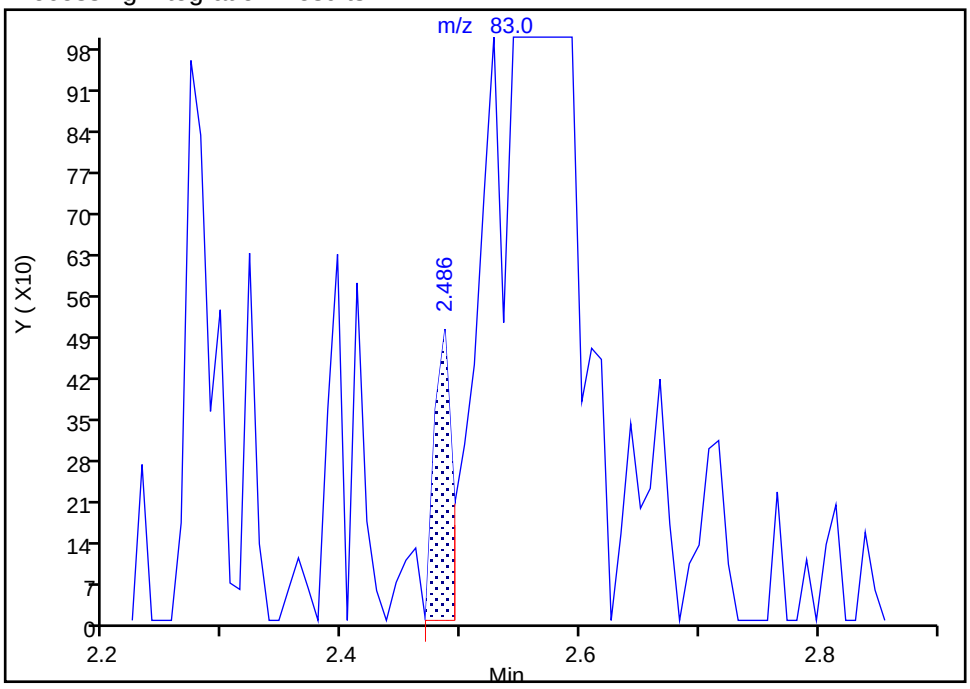
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

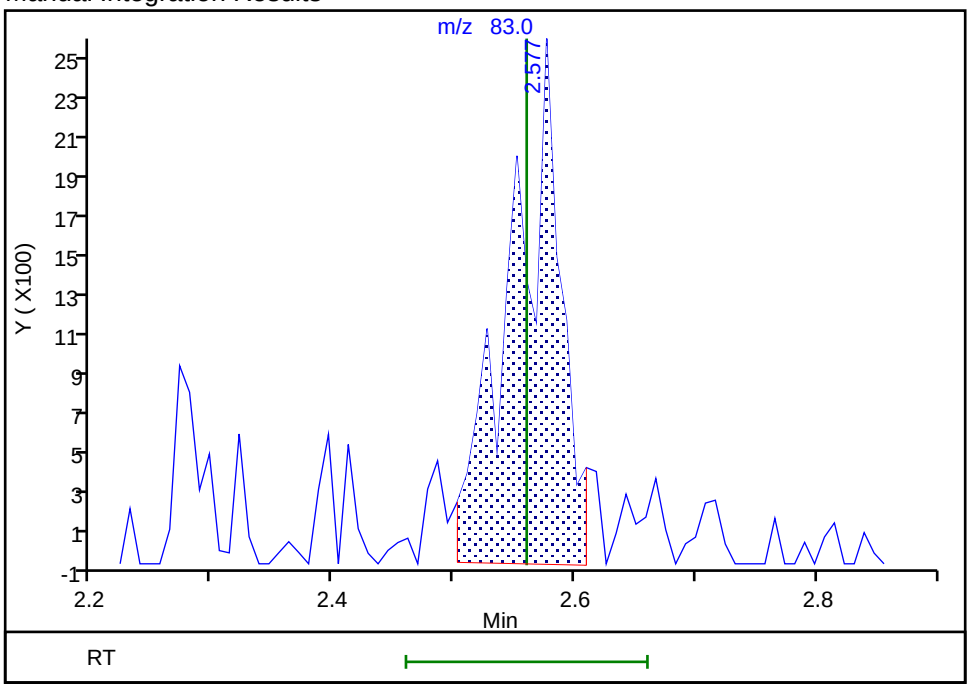
Processing Integration Results

RT: 2.49
Area: 523
Amount: 0.101011
Amount Units: ug/l



Manual Integration Results

RT: 2.58
Area: 7393
Amount: 1.300040
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:02:38
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

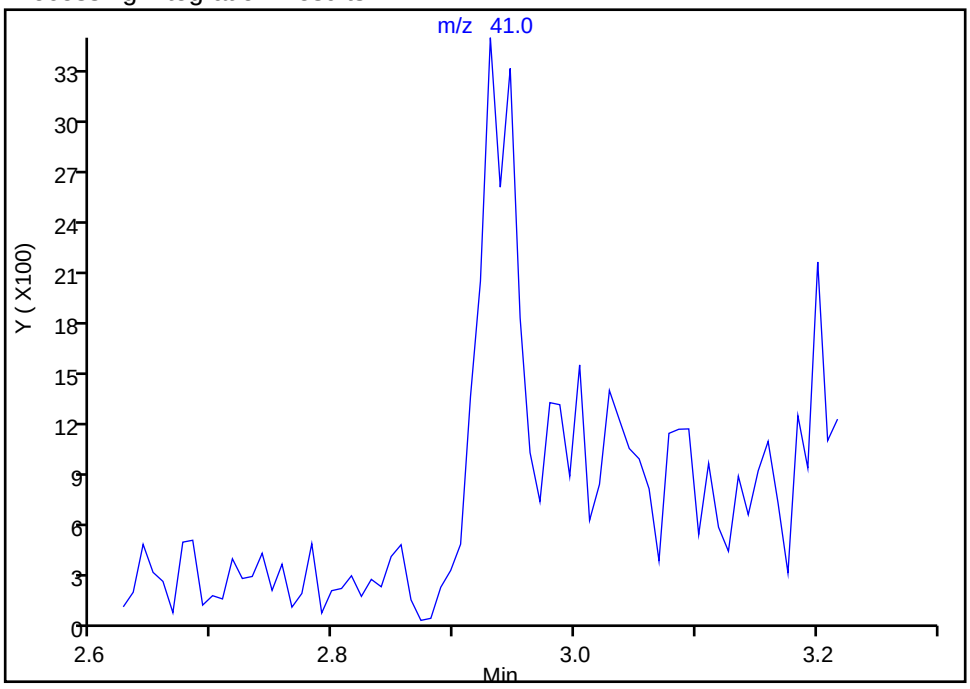
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

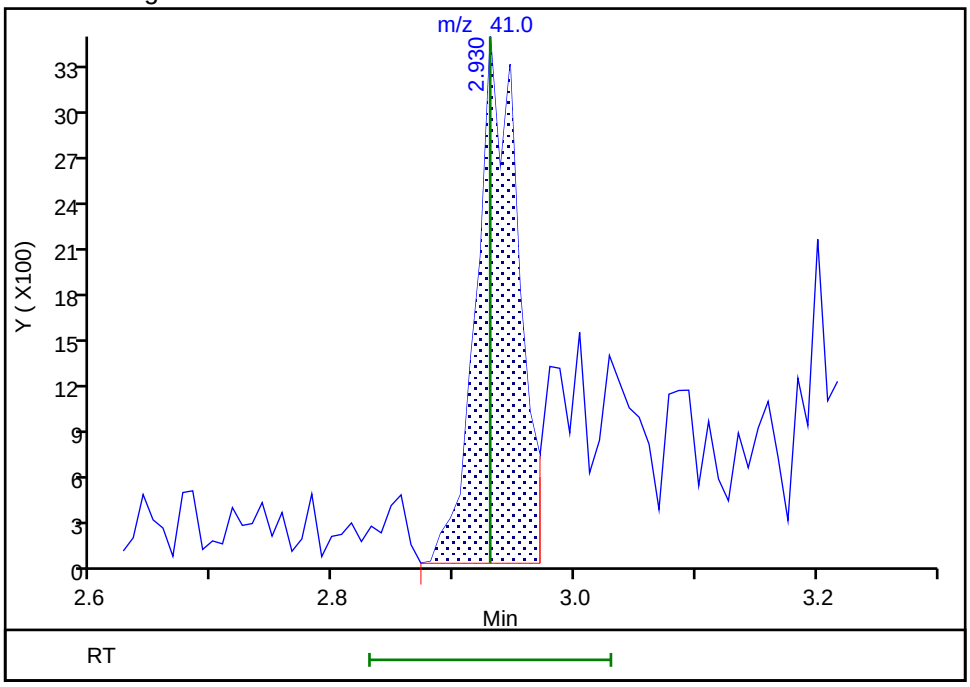
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93
Area: 8280
Amount: 1.276835
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:03:03
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

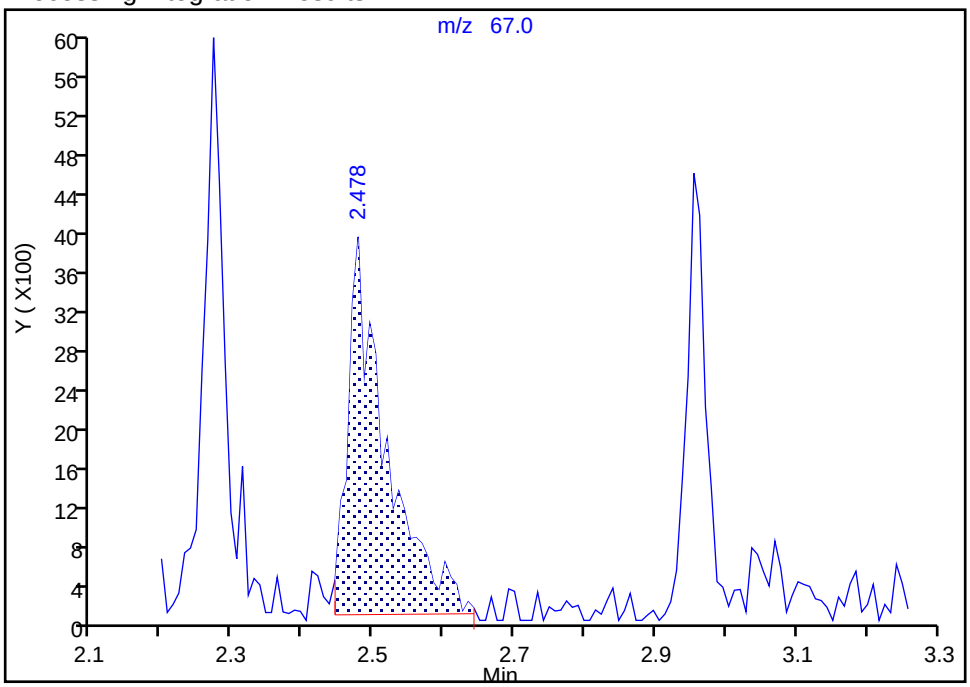
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Cyclopentene, CAS: 142-29-0

Signal: 1

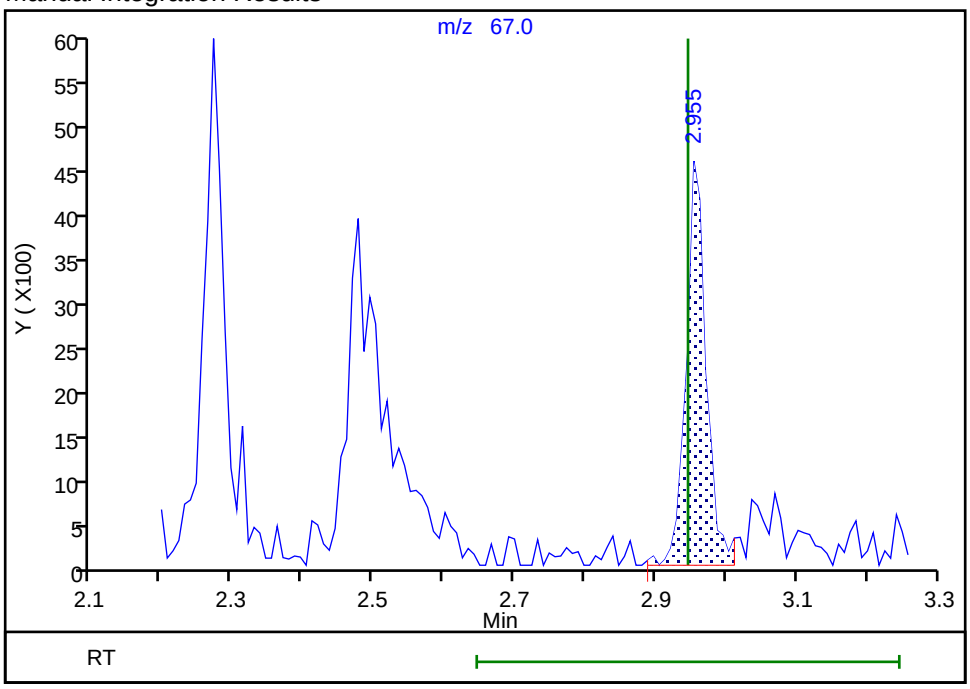
Processing Integration Results

RT: 2.48
Area: 14466
Amount: 1.797239
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 8987
Amount: 1.075986
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:39:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

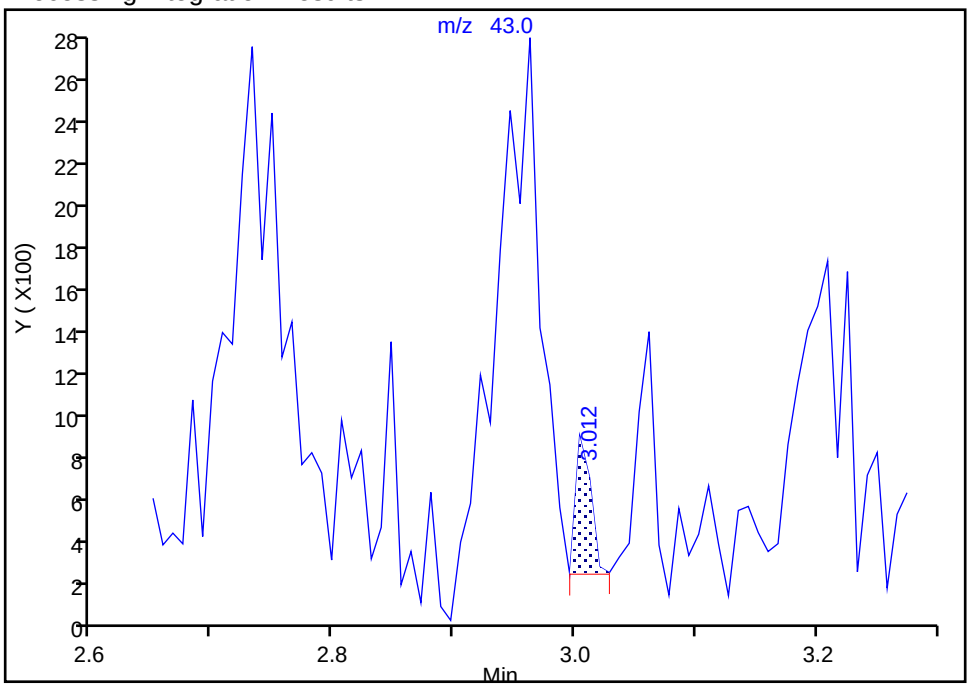
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

23 Methyl acetate, CAS: 79-20-9

Signal: 1

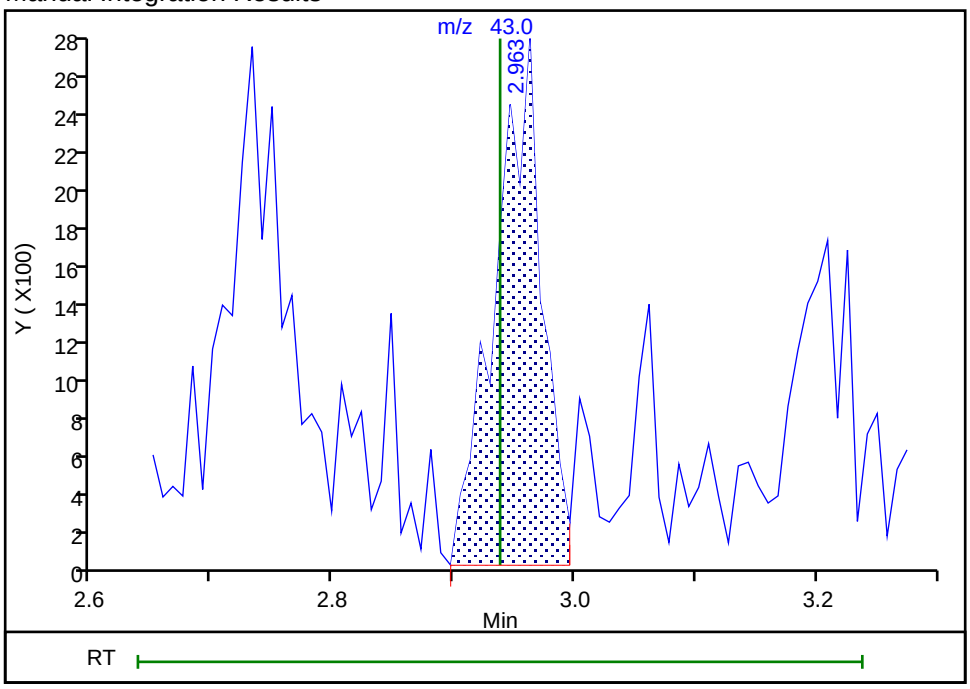
Processing Integration Results

RT: 3.01
Area: 563
Amount: 0.240666
Amount Units: ug/l



Manual Integration Results

RT: 2.96
Area: 7389
Amount: 2.718126
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:03:10
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

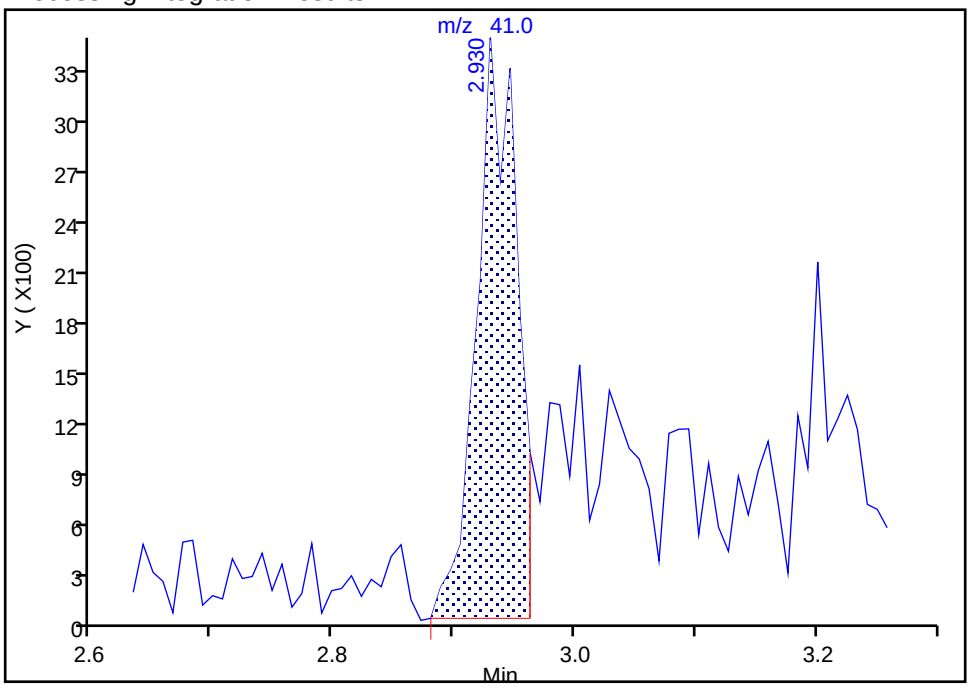
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

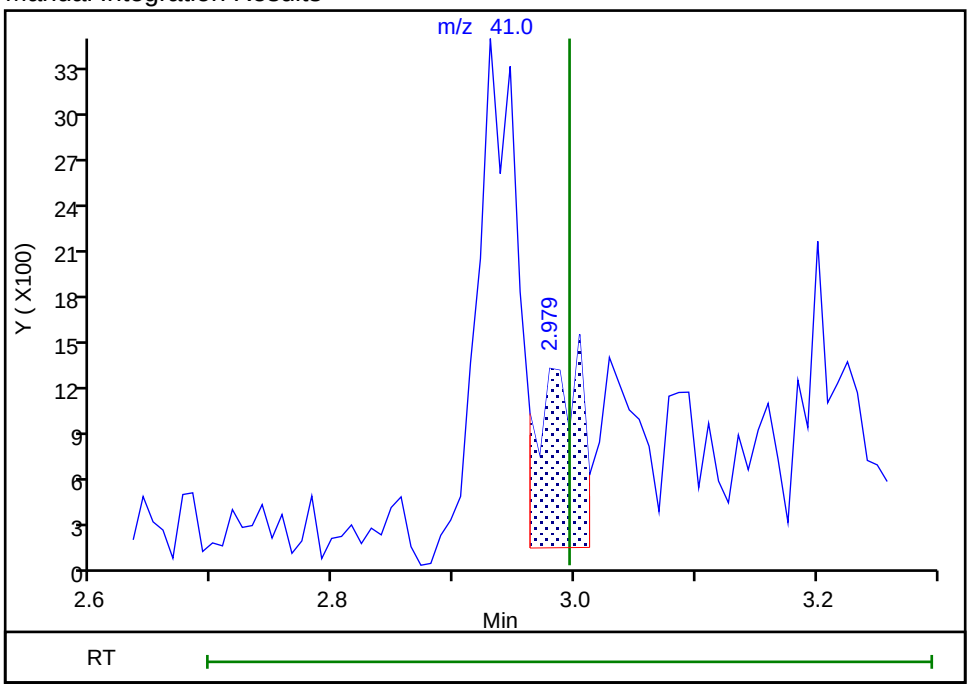
Processing Integration Results

RT: 2.93
Area: 7874
Amount: 17.303204
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 3115
Amount: 6.851907
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:55:37
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

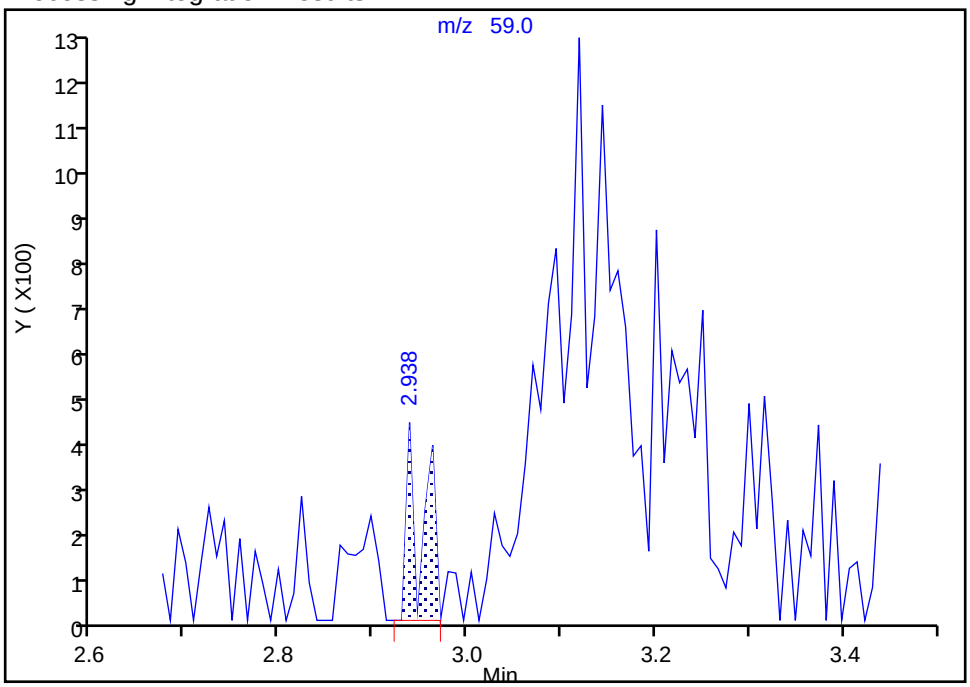
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

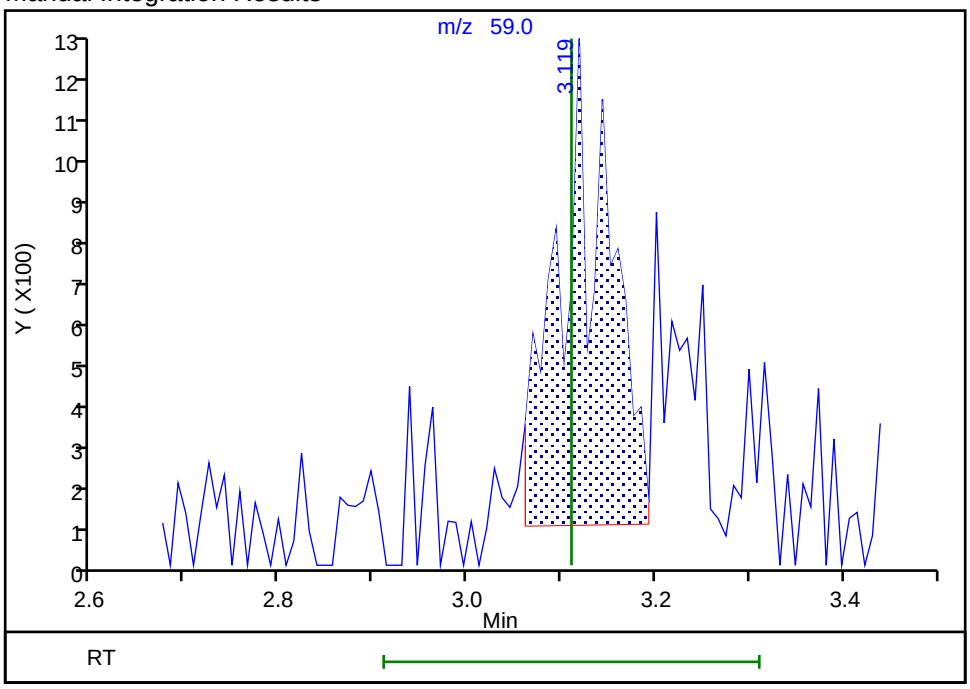
Processing Integration Results

RT: 2.94
Area: 513
Amount: 1.304892
Amount Units: ug/l



Manual Integration Results

RT: 3.12
Area: 4350
Amount: 11.484868
Amount Units: ug/l



Reviewer: tupayachia, 11-Jul-2021 11:25:18
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

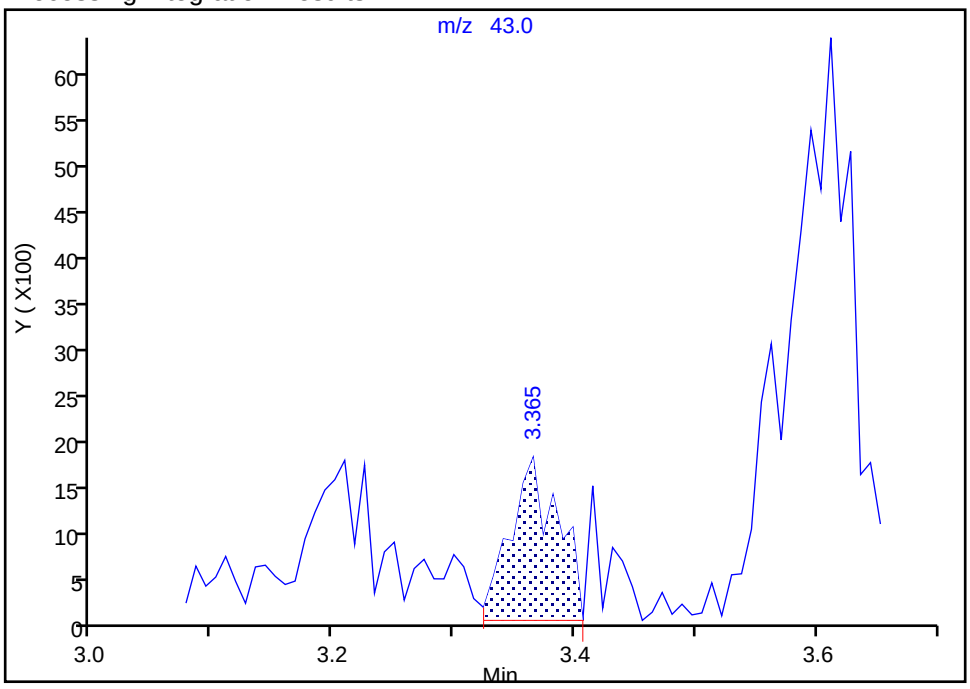
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Hexane, CAS: 110-54-3

Signal: 1

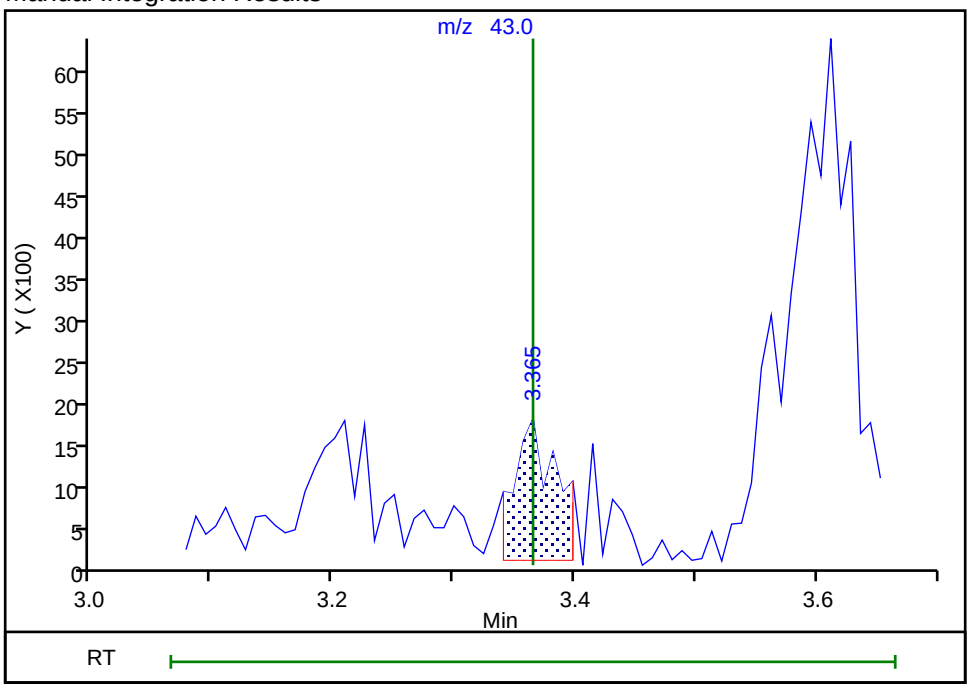
Processing Integration Results

RT: 3.37
Area: 4863
Amount: 1.577876
Amount Units: ug/l



Manual Integration Results

RT: 3.37
Area: 4320
Amount: 1.293732
Amount Units: ug/l



Reviewer: tupayachia, 11-Jul-2021 11:25:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

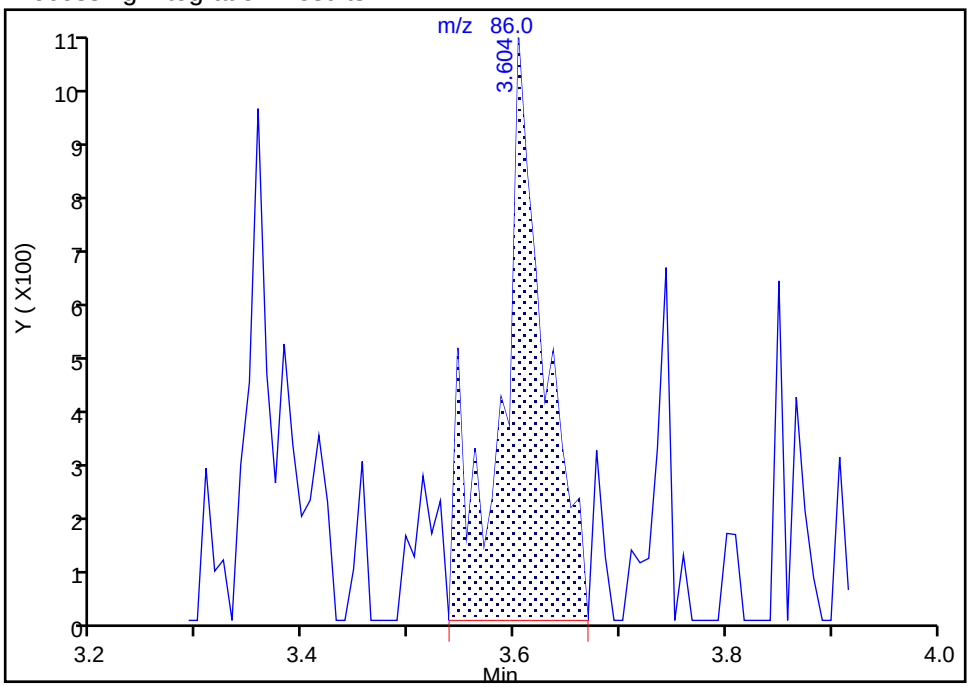
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

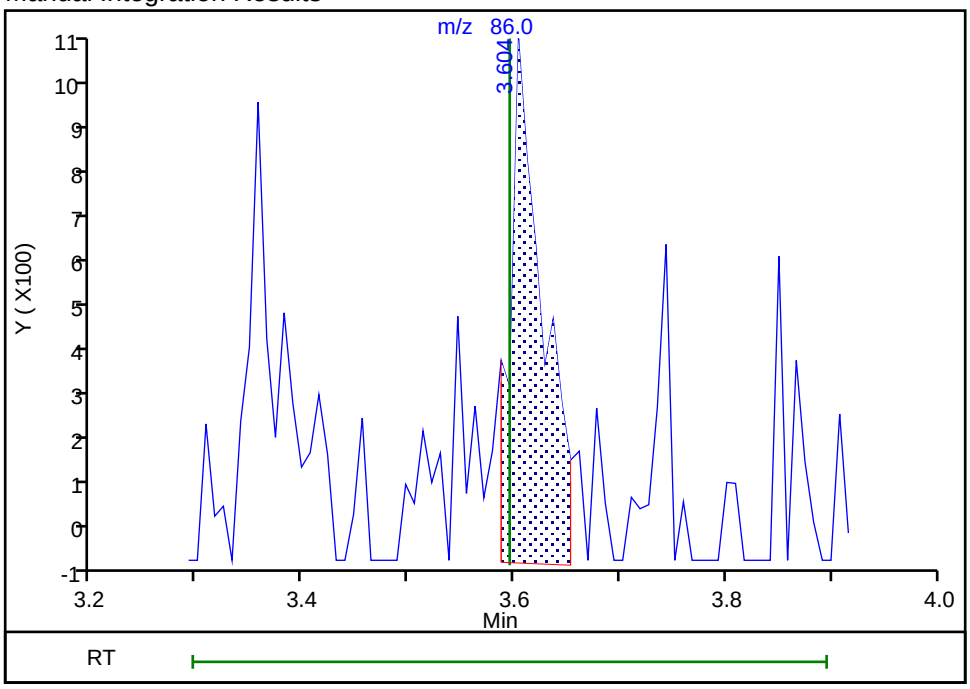
Processing Integration Results

RT: 3.60
Area: 3028
Amount: 4.178303
Amount Units: ug/l



Manual Integration Results

RT: 3.60
Area: 2317
Amount: 1.935228
Amount Units: ug/l



Reviewer: tupayachia, 11-Jul-2021 11:26:16
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

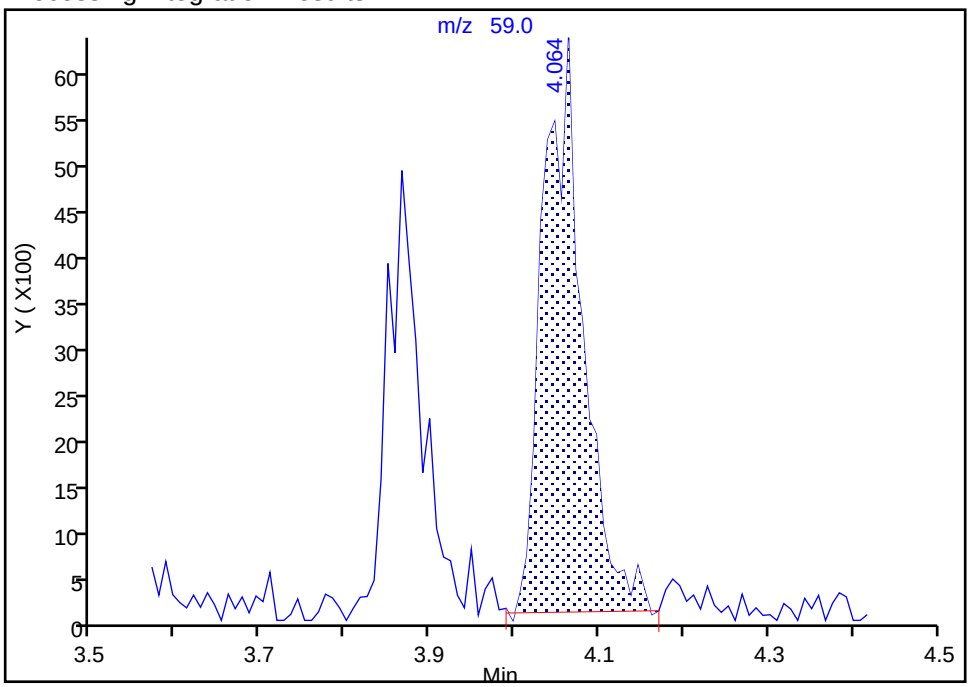
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

37 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

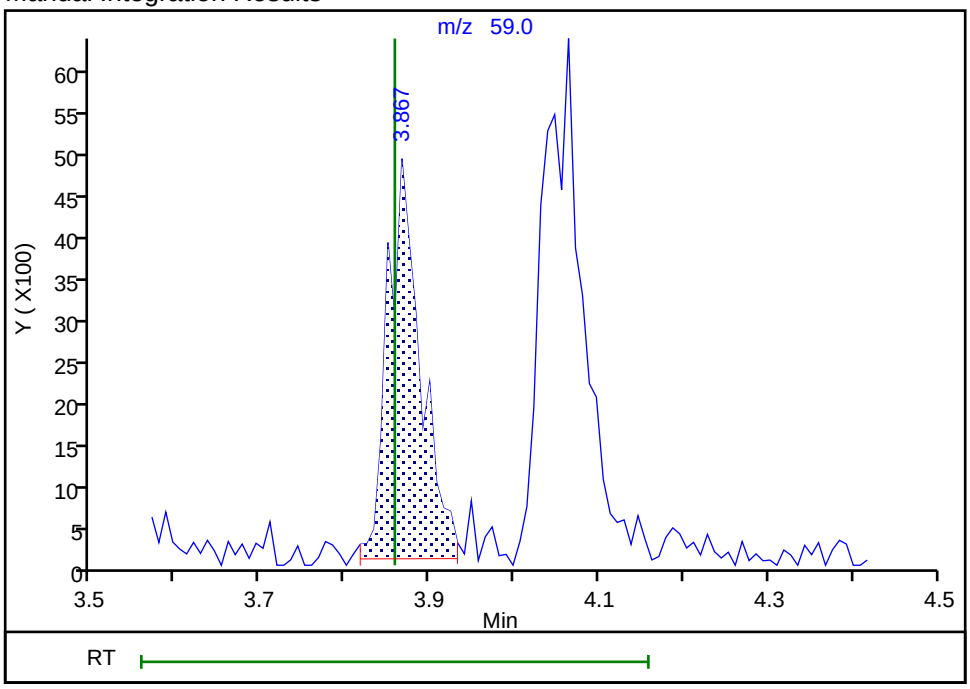
Processing Integration Results

RT: 4.06
Area: 20759
Amount: 1.705474
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 13023
Amount: 1.071315
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:03:30
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

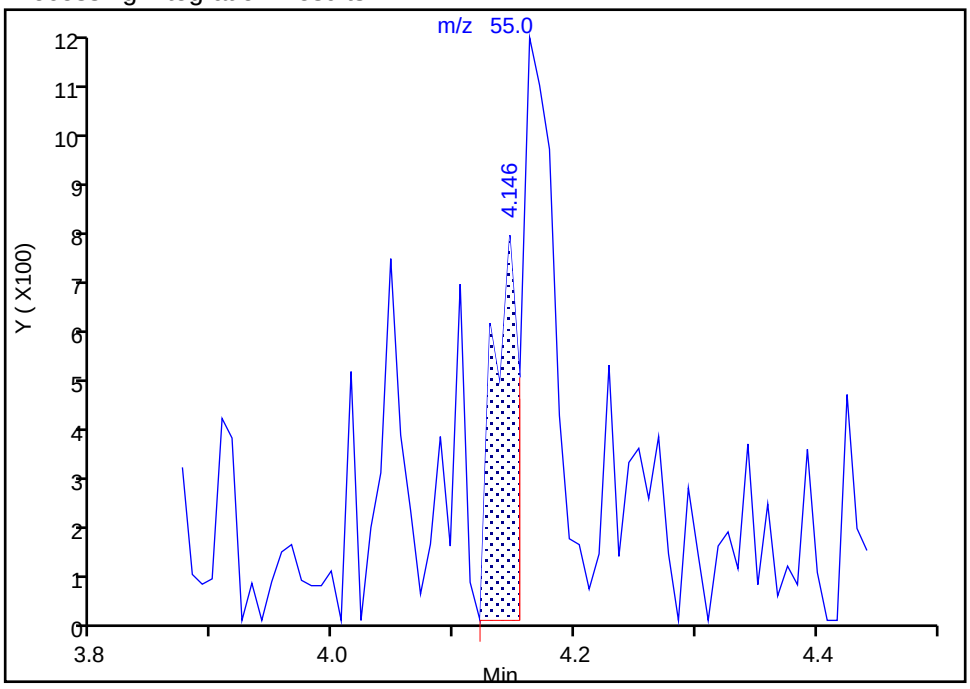
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

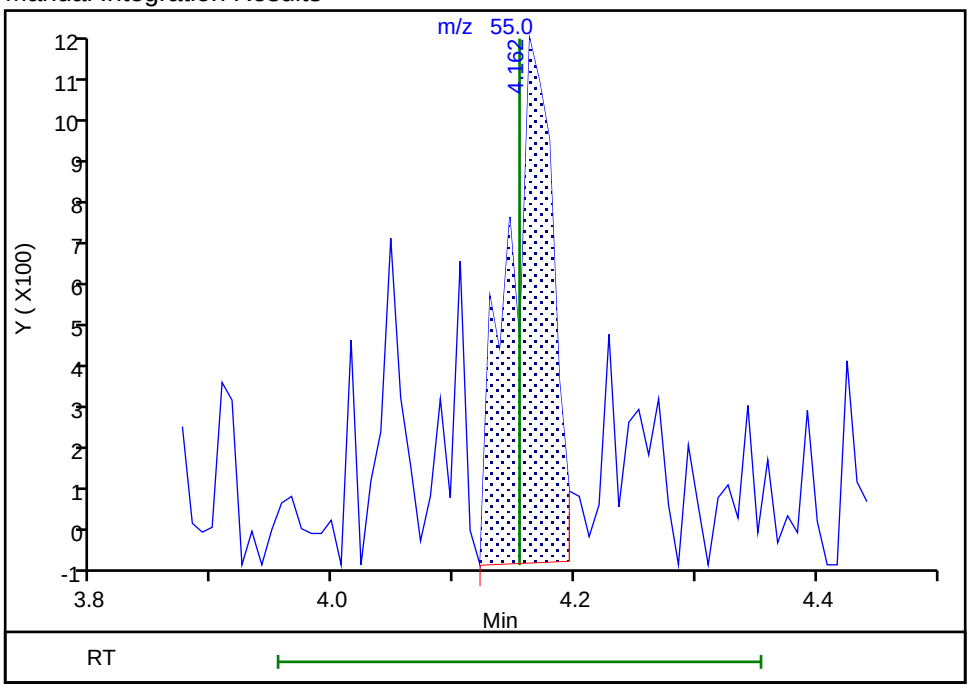
Processing Integration Results

RT: 4.15
Area: 1171
Amount: 0.439656
Amount Units: ug/l



Manual Integration Results

RT: 4.16
Area: 3045
Amount: 1.126417
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:03:52
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

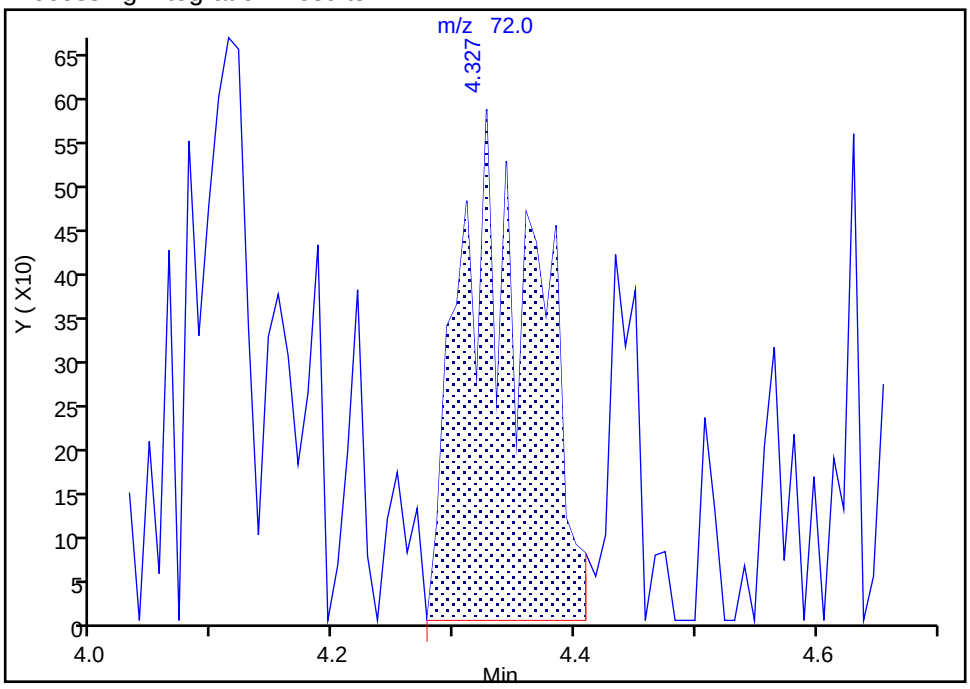
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

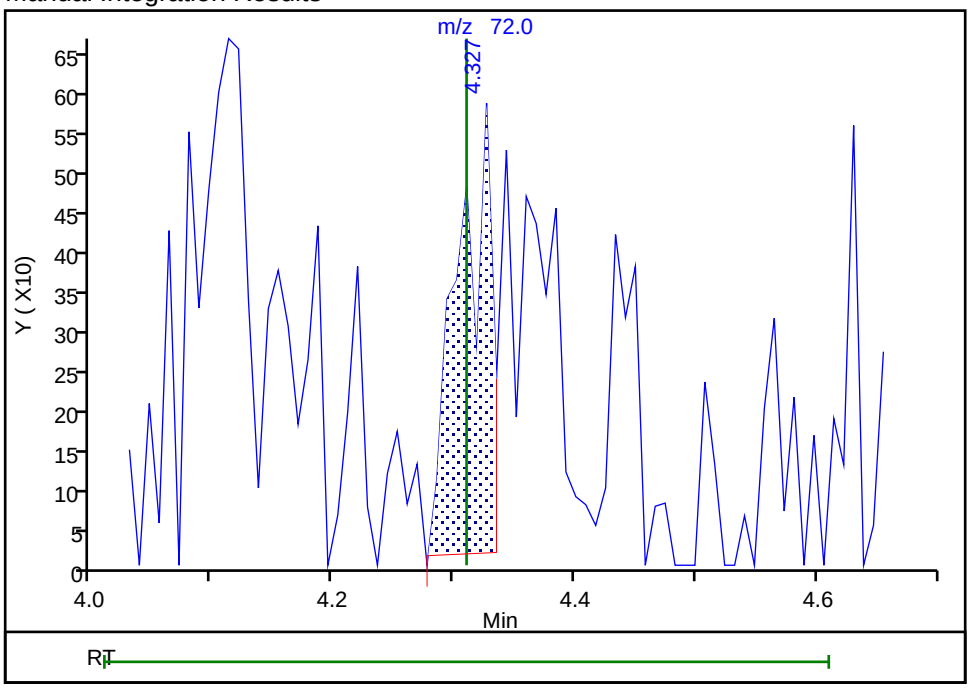
Processing Integration Results

RT: 4.33
Area: 2475
Amount: 6.484529
Amount Units: ug/l



Manual Integration Results

RT: 4.33
Area: 1106
Amount: 2.457566
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:02:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

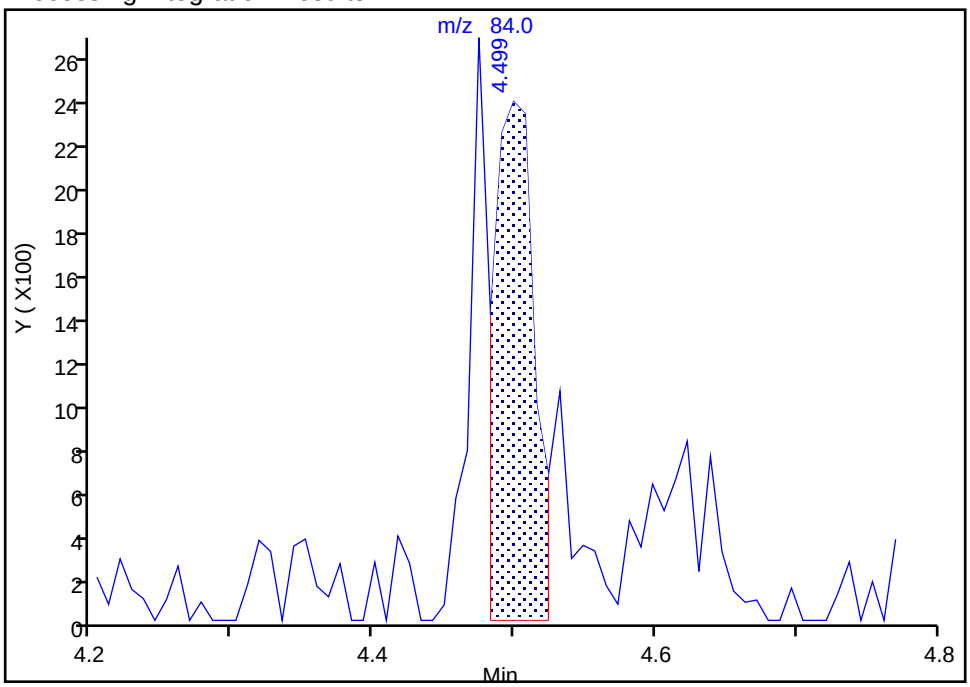
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Cyclohexane, CAS: 110-82-7

Signal: 1

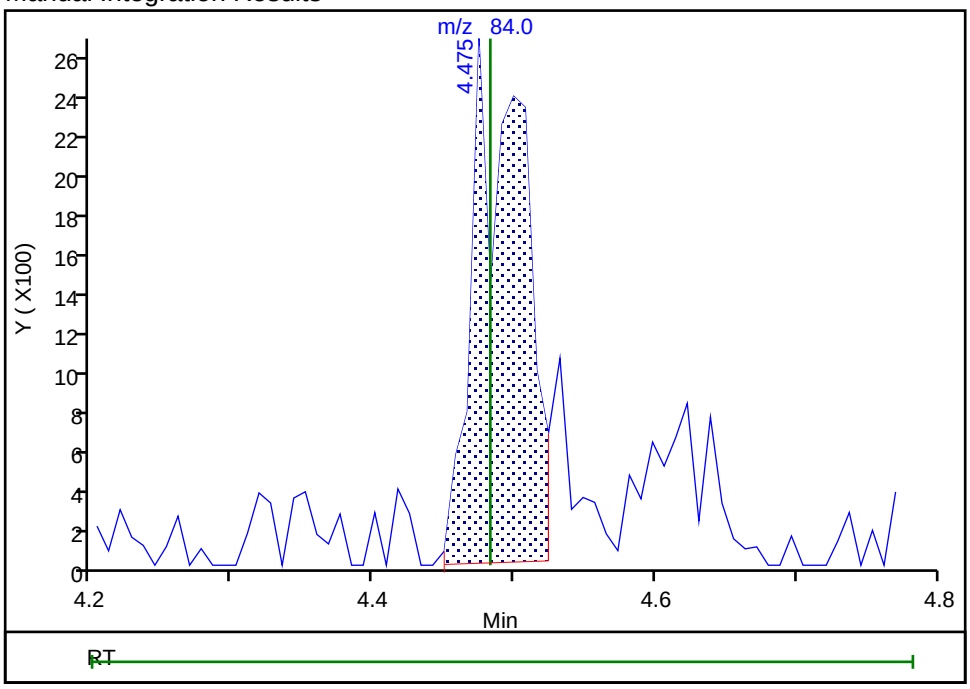
Processing Integration Results

RT: 4.50
Area: 4916
Amount: 0.838213
Amount Units: ug/l



Manual Integration Results

RT: 4.47
Area: 6861
Amount: 1.108576
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:04:05
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison

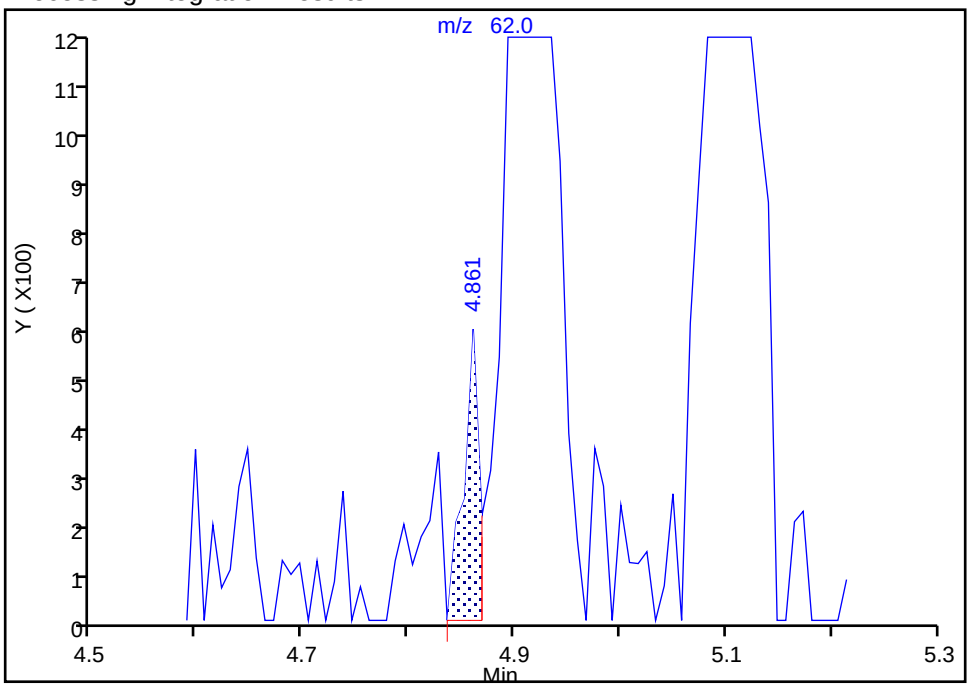
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

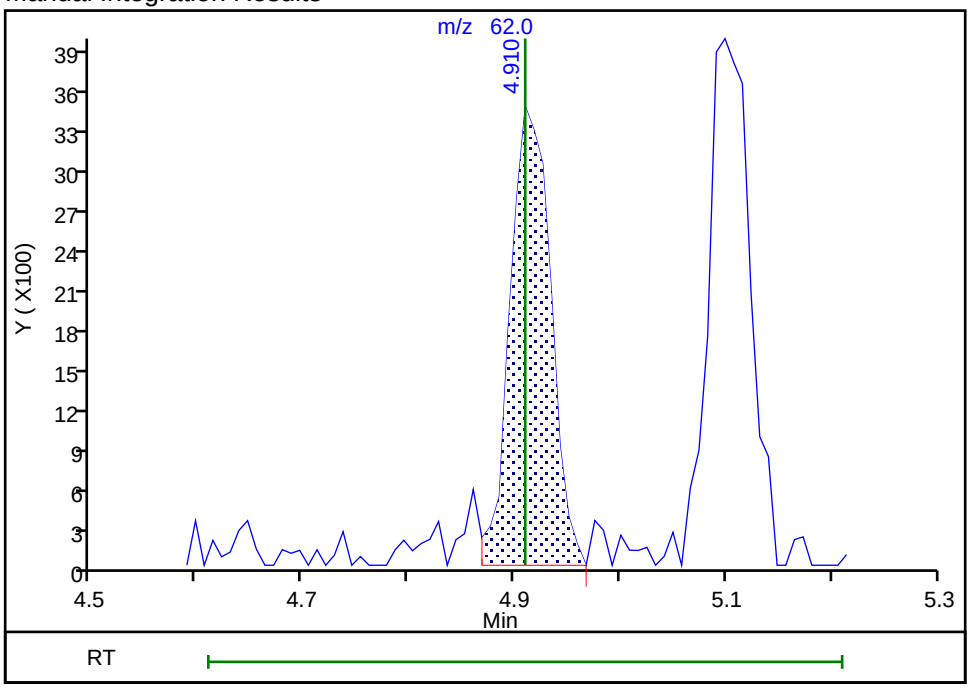
Processing Integration Results

RT: 4.86
Area: 588
Amount: 0.097165
Amount Units: ug/l



Manual Integration Results

RT: 4.91
Area: 9139
Amount: 1.341588
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:04:20
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

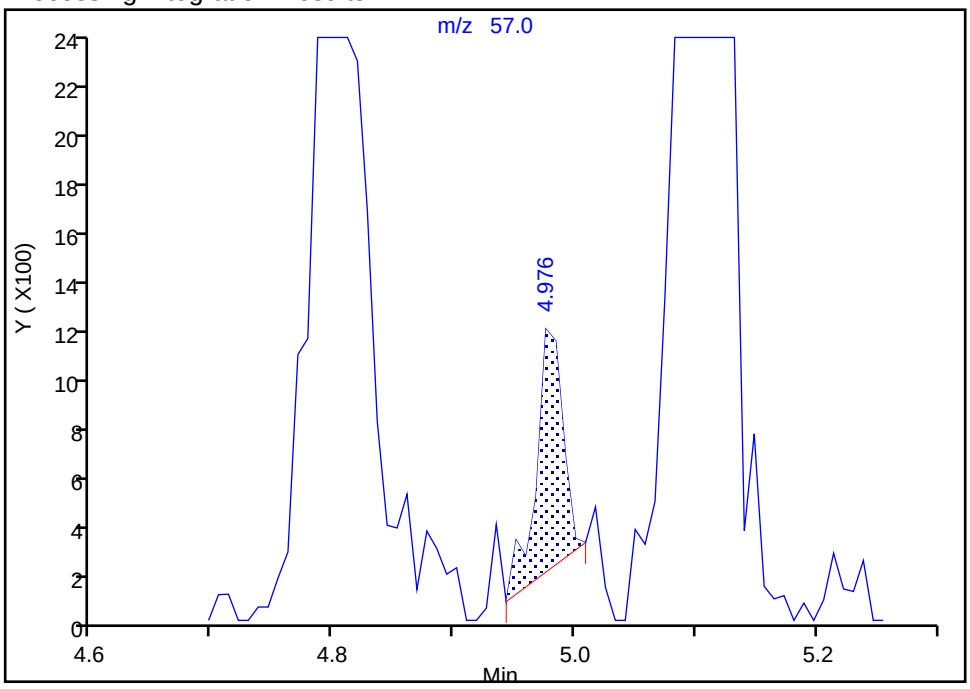
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 n-Heptane, CAS: 142-82-5

Signal: 1

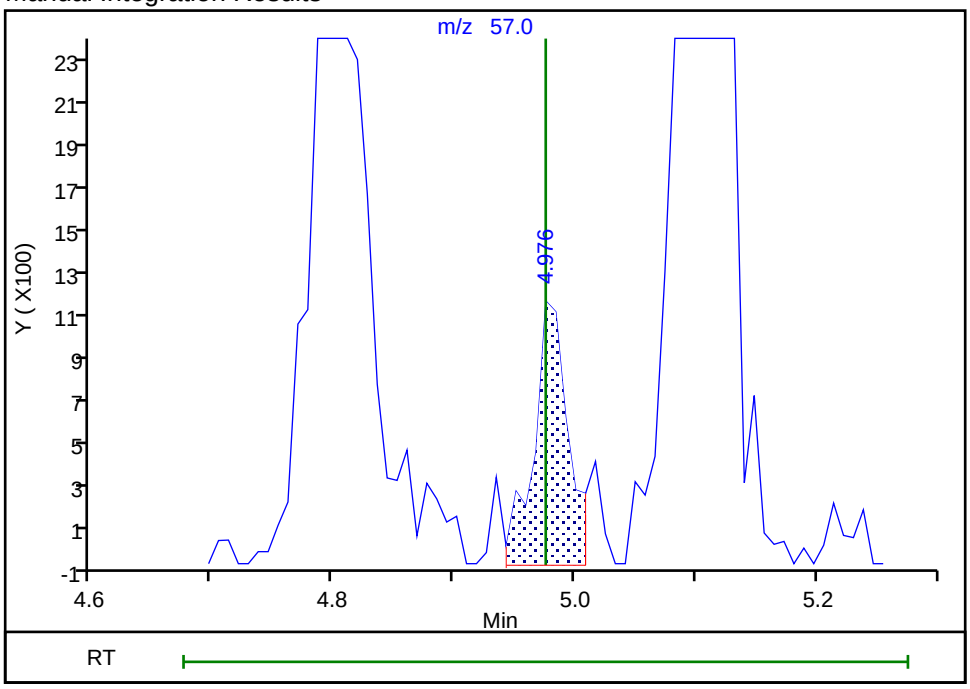
Processing Integration Results

RT: 4.98
Area: 1484
Amount: 0.651746
Amount Units: ug/l



Manual Integration Results

RT: 4.98
Area: 2383
Amount: 0.981954
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:04:28
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

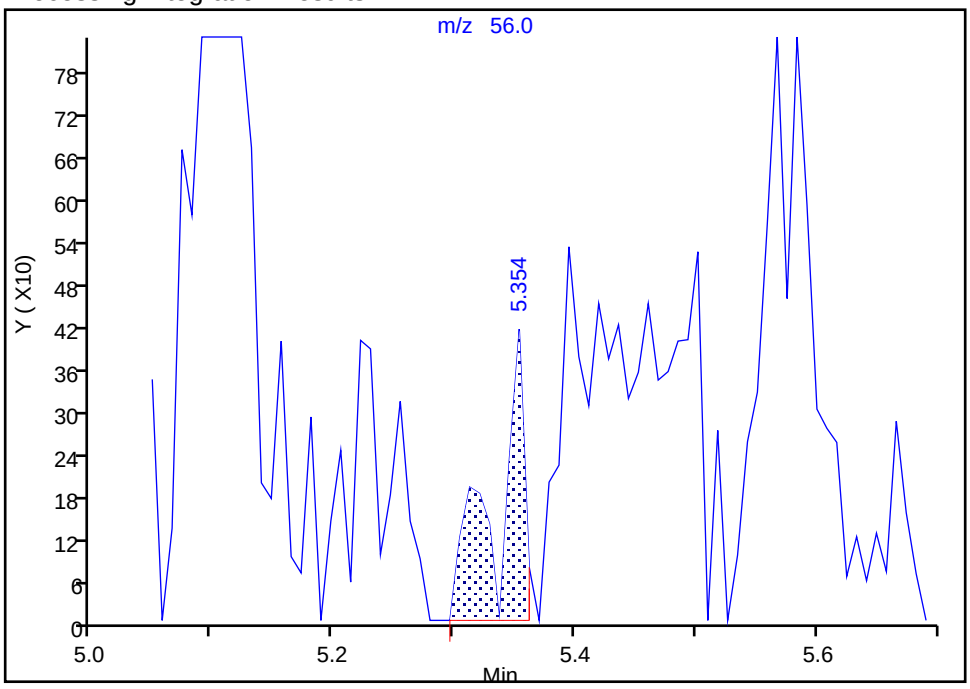
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

62 n-Butanol, CAS: 71-36-3

Signal: 1

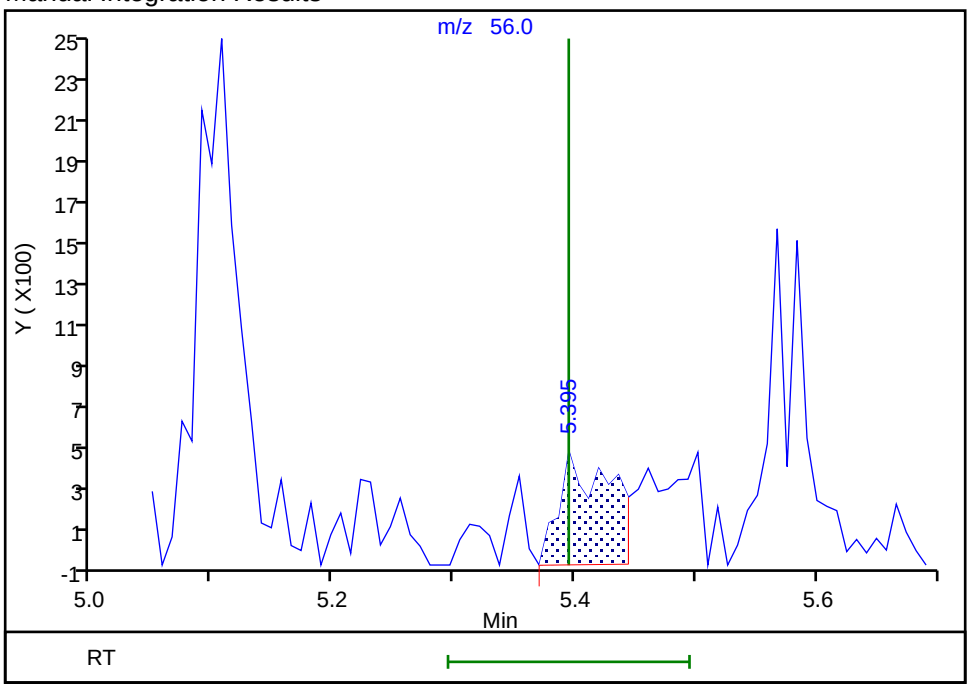
Processing Integration Results

RT: 5.35
Area: 658
Amount: 8.955789
Amount Units: ug/l



Manual Integration Results

RT: 5.39
Area: 1551
Amount: 25.237538
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:04:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

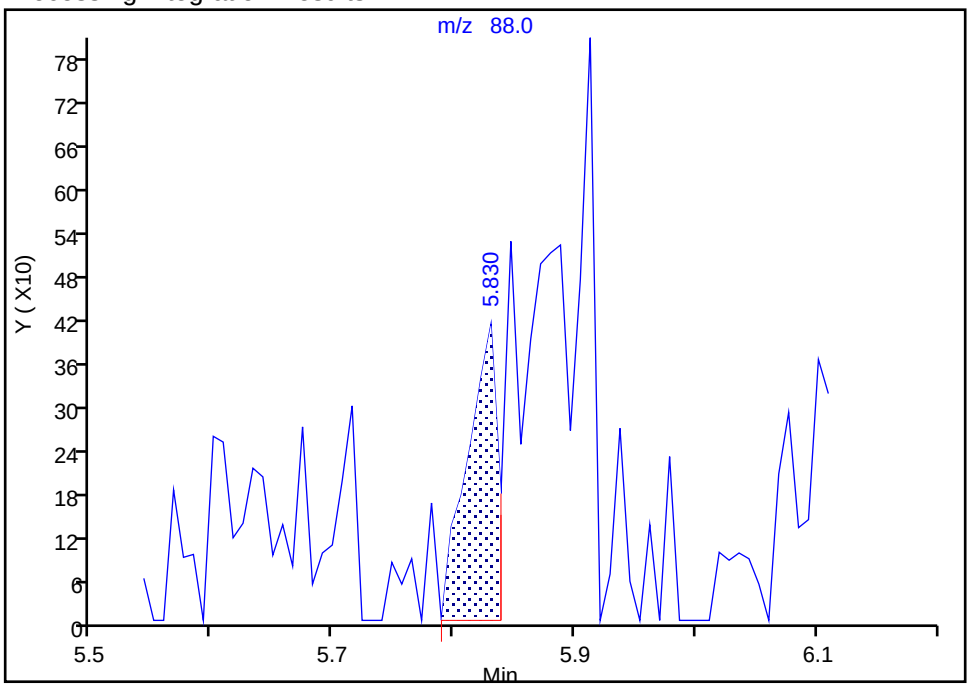
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

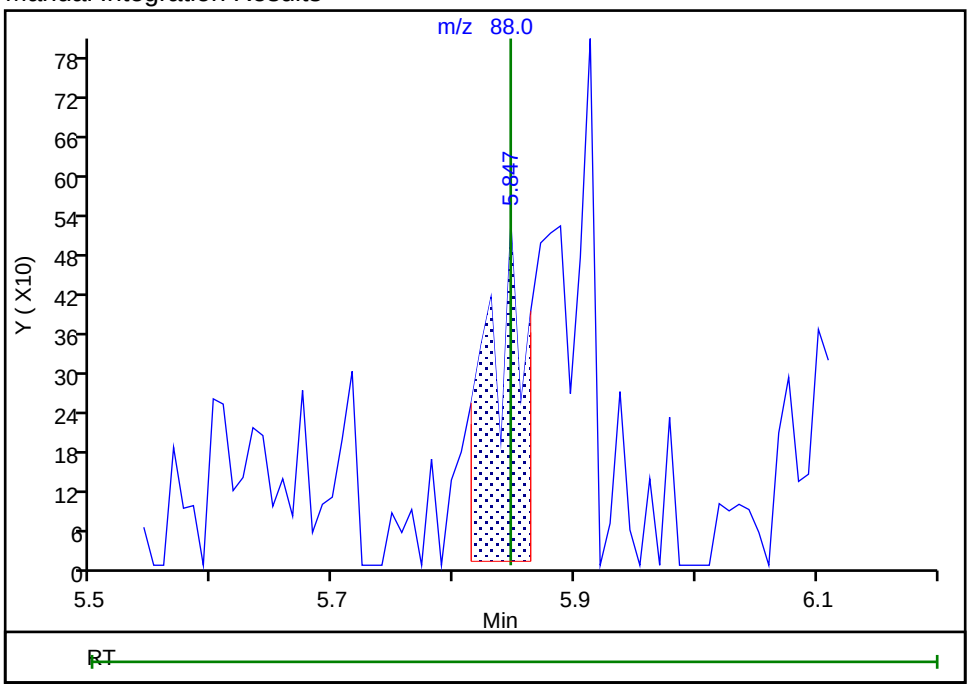
Processing Integration Results

RT: 5.83
Area: 725
Amount: 33.179964
Amount Units: ug/l



Manual Integration Results

RT: 5.85
Area: 1124
Amount: 52.130124
Amount Units: ug/l



Reviewer: tupayachia, 11-Jul-2021 11:28:34
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison

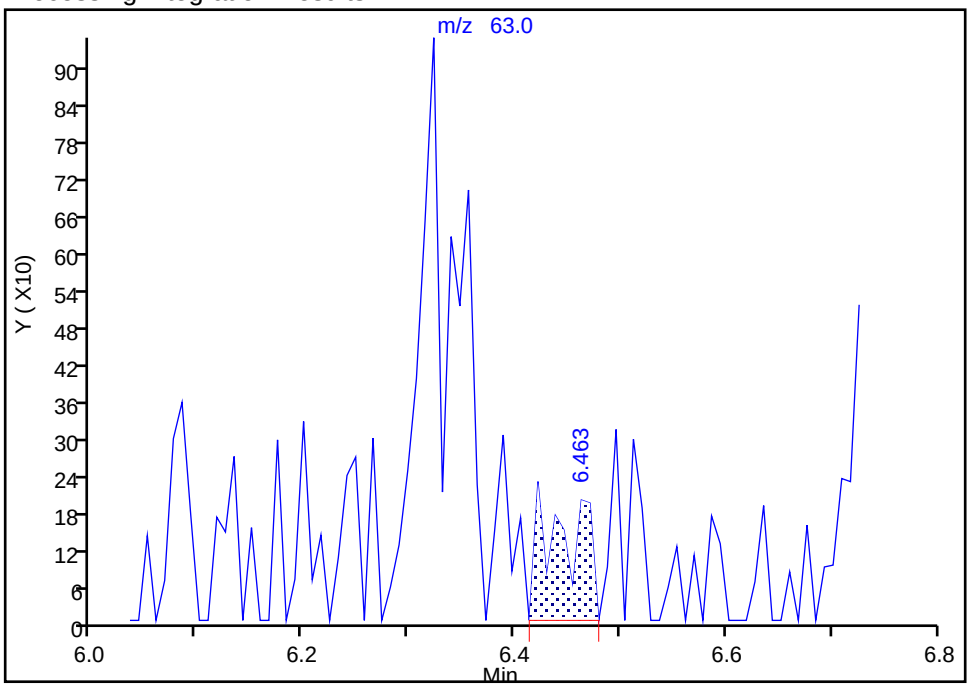
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

74 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

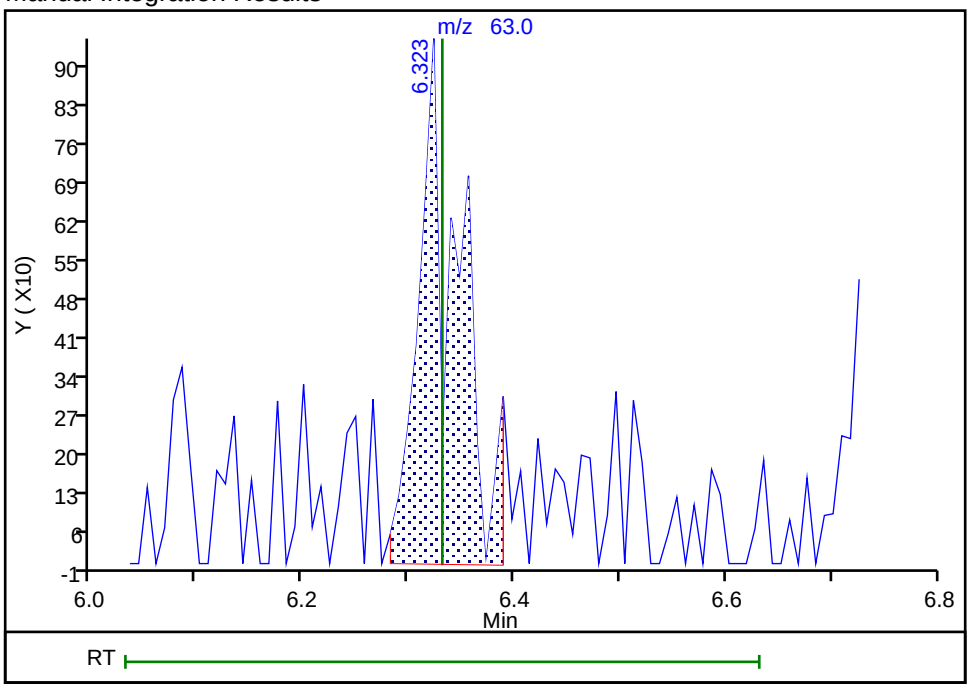
Processing Integration Results

RT: 6.46
Area: 521
Amount: 0.314072
Amount Units: ug/l



Manual Integration Results

RT: 6.32
Area: 2540
Amount: 1.025328
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:05:03
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison

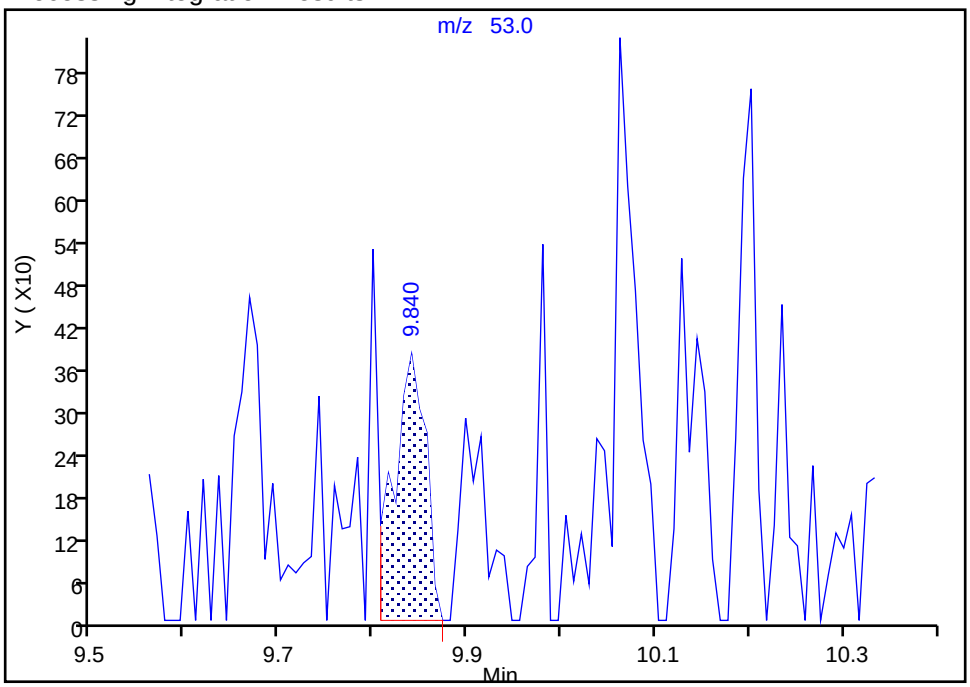
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

105 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

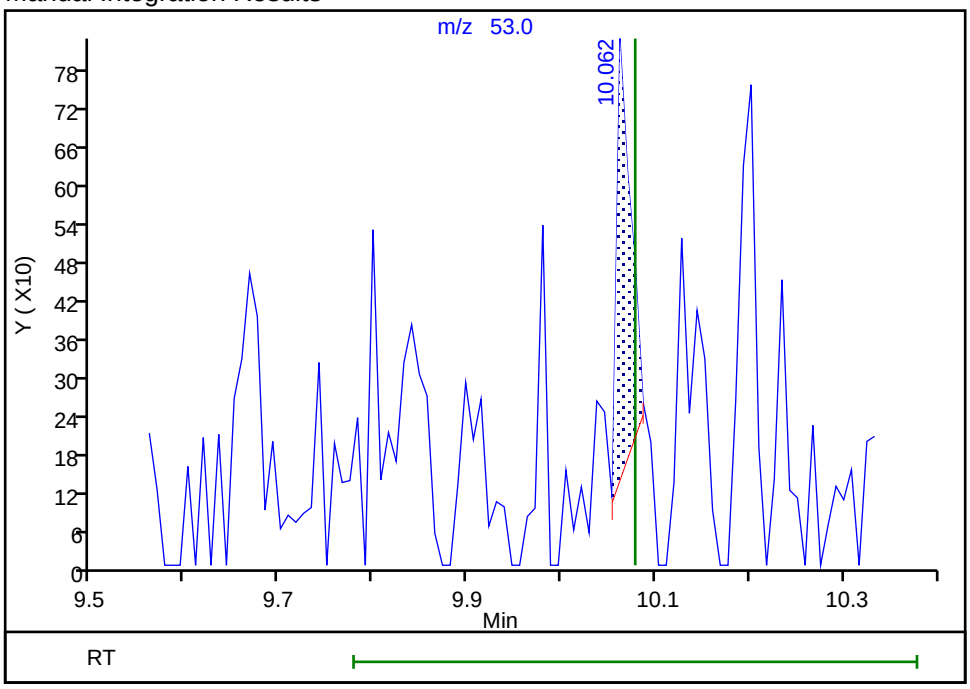
Processing Integration Results

RT: 9.84
Area: 890
Amount: 2.062576
Amount Units: ug/l



Manual Integration Results

RT: 10.06
Area: 703
Amount: 1.631506
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:23:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

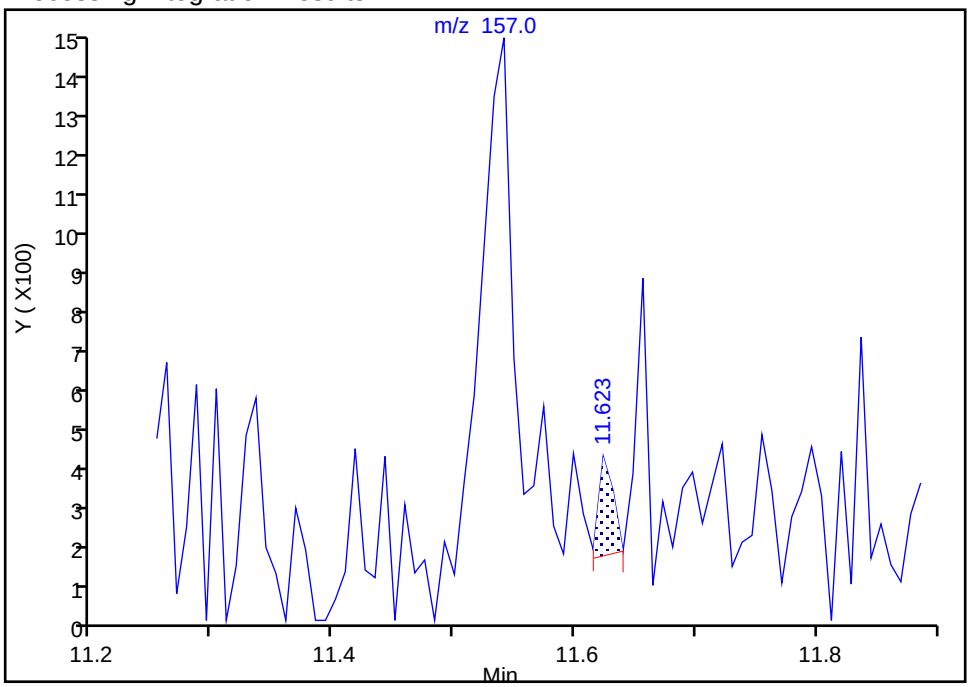
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

125 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

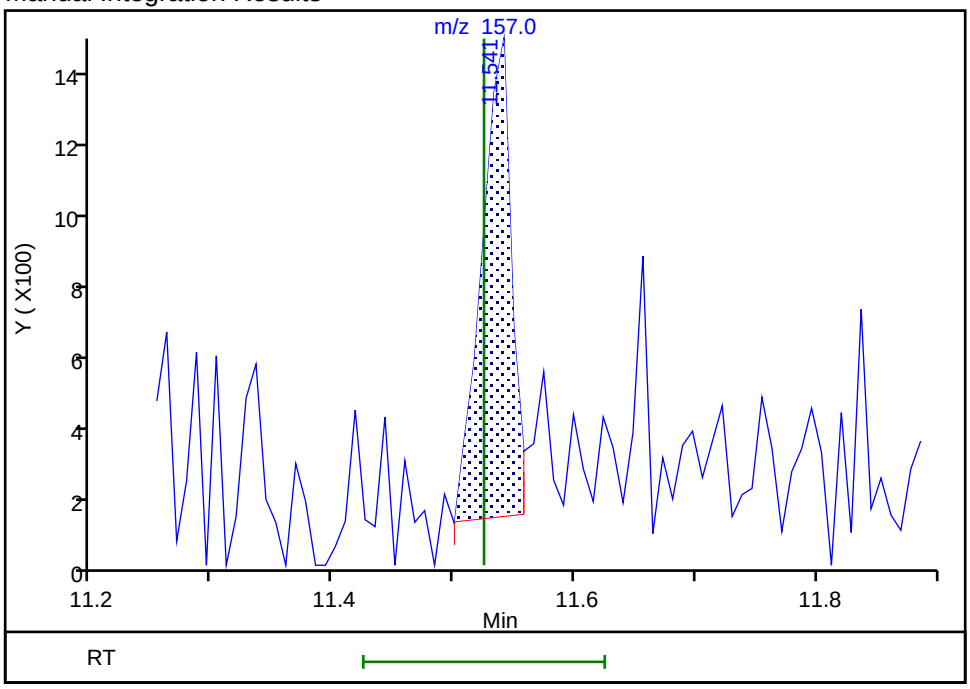
Processing Integration Results

RT: 11.62
Area: 209
Amount: 0.945381
Amount Units: ug/l



Manual Integration Results

RT: 11.54
Area: 2280
Amount: 0.996968
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:11:09
Audit Action: Manually Integrated Audit Reason: Baseline

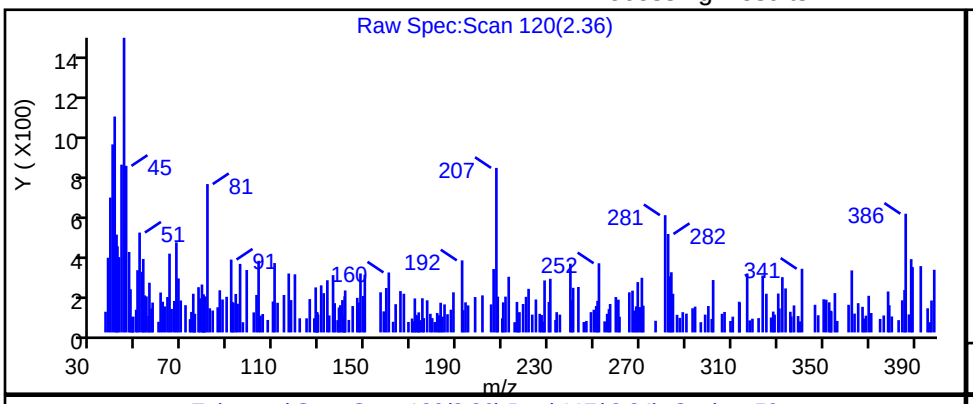
User Disabled Compound Report

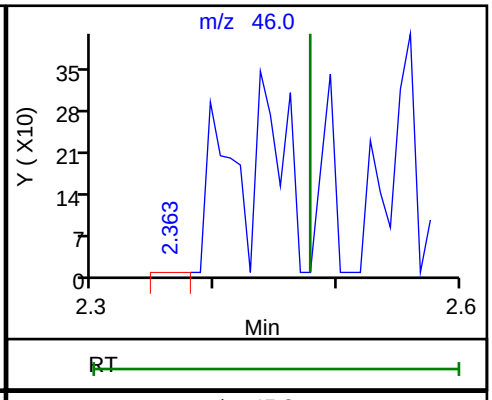
Eurofins TestAmerica, Edison

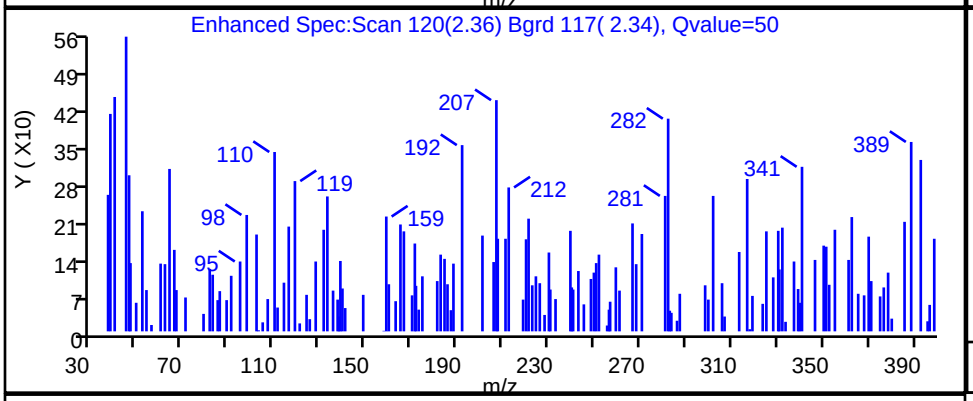
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

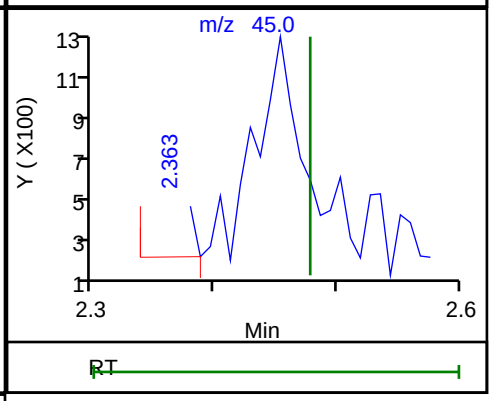
10 Ethanol, CAS: 64-17-5

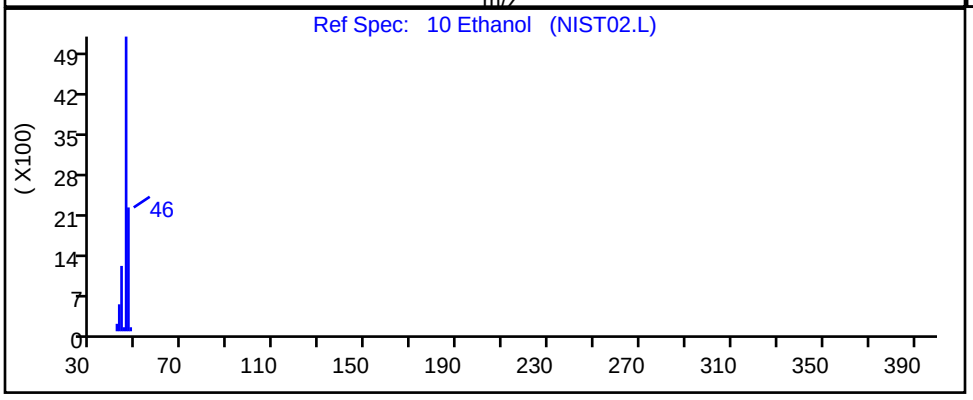
Processing Results











RT	Mass	Response	Amount
2.36	46.00	383	26.158632
2.36	45.00	1177	

Reviewer: baronm, 14-Jul-2021 20:47:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

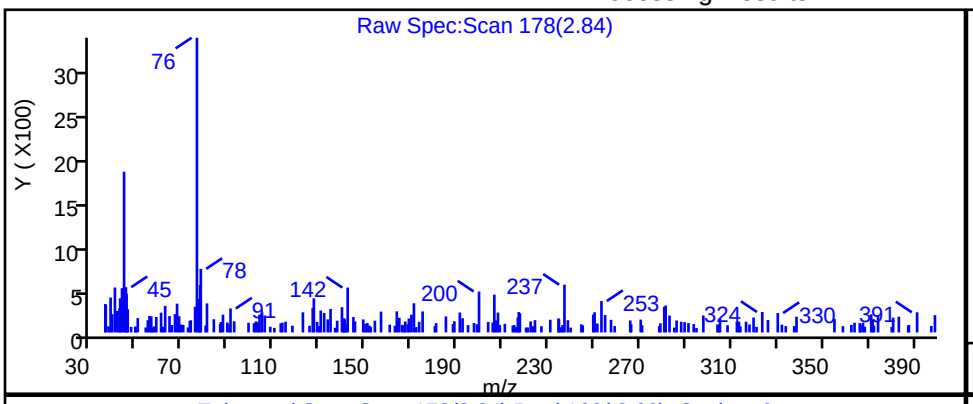
User Disabled Compound Report

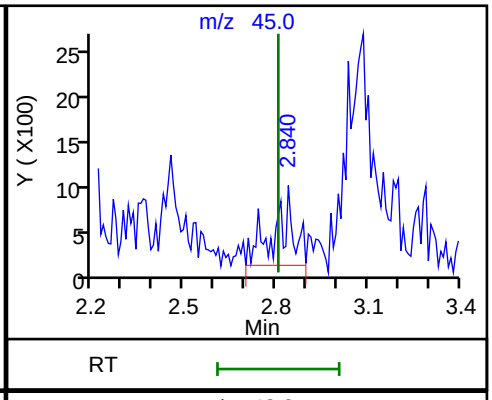
Eurofins TestAmerica, Edison

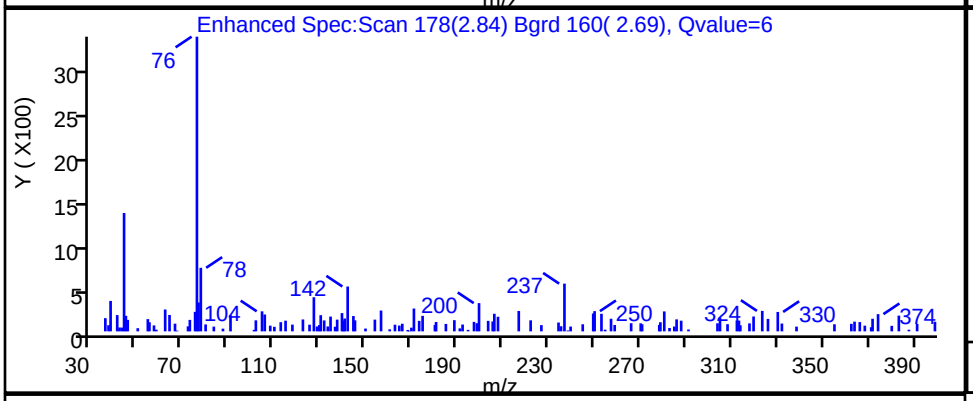
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16854.D
Injection Date: 10-Jul-2021 09:31:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

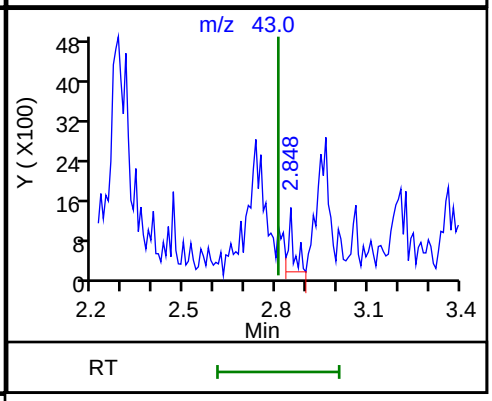
20 Isopropyl alcohol, CAS: 67-63-0

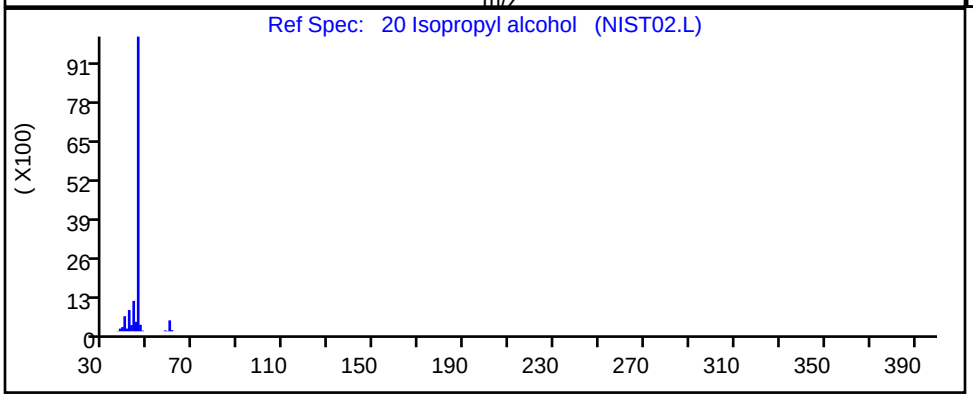
Processing Results











RT	Mass	Response	Amount
2.84	45.00	3708	23.536414
2.85	43.00	1608	

Reviewer: baronm, 14-Jul-2021 20:47:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Jul-2021 09:53:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0131608-006
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:25 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: tupayachia Date: 10-Jul-2021 11:55:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.533	1.541	-0.008	68	34056	5.00	4.75	
2 Chloromethane	50	1.706	1.705	0.001	99	34174	5.00	4.86	
4 Butadiene	54	1.788	1.763	0.025	90	35043	5.00	4.84	
3 Vinyl chloride	62	1.796	1.779	0.017	85	30166	5.00	4.61	
5 Bromomethane	94	2.051	2.042	0.009	97	24963	5.00	4.63	
6 Chloroethane	64	2.084	2.092	-0.008	31	18867	5.00	4.78	M
7 Dichlorofluoromethane	67	2.264	2.264	0.000	96	47981	5.00	4.75	
9 Trichlorofluoromethane	101	2.273	2.272	0.001	69	42843	5.00	4.54	
8 Pentane	72	2.273	2.272	0.001	88	10095	10.0	11.5	
11 Ethyl ether	59	2.453	2.445	0.008	89	17196	5.00	5.55	
12 2-Methyl-1,3-butadiene	53	2.470	2.461	0.009	93	22651	5.00	5.83	
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.503	2.511	-0.008	72	23148	5.00	5.57	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.552	2.560	-0.008	84	32840	5.00	5.65	
15 Acrolein	56	2.609	2.609	0.000	57	11133	20.3	24.9	
17 1,1-Dichloroethene	96	2.651	2.634	0.017	94	19666	5.00	5.41	
16 112TCTFE	101	2.634	2.634	0.000	63	23447	5.00	5.23	
18 Acetone	43	2.716	2.724	-0.008	82	31447	25.0	28.0	M
19 Iodomethane	142	2.790	2.782	0.008	99	42290	5.00	5.40	
20 Isopropyl alcohol	45	2.815	2.807	0.009	30	6602	50.0	44.9	a
21 Carbon disulfide	76	2.848	2.839	0.009	99	68005	5.00	5.05	
22 3-Chloro-1-propene	41	2.930	2.930	0.000	66	30798	5.00	4.65	a
23 Methyl acetate	43	2.946	2.938	0.008	76	28748	10.0	10.4	
24 Cyclopentene	67	2.946	2.946	0.000	89	45437	5.00	5.33	a
25 Acetonitrile	41	2.996	2.996	0.000	54	15955	50.0	32.0	a
27 Methylene Chloride	84	3.053	3.045	0.008	52	22877	5.00	5.49	
* 26 TBA-d9 (IS)	65	3.061	3.061	0.000	0	310286	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.102	3.111	-0.009	47	18750	50.0	45.1	a
29 Methyl tert-butyl ether	73	3.209	3.193	0.016	95	69296	5.00	5.45	
30 trans-1,2-Dichloroethene	96	3.226	3.217	0.009	93	21652	5.00	5.63	
31 Acrylonitrile	53	3.291	3.308	-0.017	83	70486	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.374	3.365	0.009	87	18605	5.00	5.45	
33 Isopropyl ether	45	3.563	3.571	-0.008	98	66136	5.00	5.45	
35 Vinyl acetate	86	3.604	3.595	0.009	99	9969	10.0	11.8	
34 1,1-Dichloroethane	63	3.595	3.595	0.000	69	35663	5.00	5.22	
36 2-Chloro-1,3-butadiene	88	3.645	3.628	0.017	91	15007	5.00	4.49	
37 Tert-butyl ethyl ether	59	3.875	3.858	0.017	90	67634	5.00	5.45	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	295427	250.0	250.0	
39 2,2-Dichloropropane	97	4.088	4.080	0.008	56	8606	5.00	6.02	M
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	93	22900	5.00	5.56	
41 2-Butanone (MEK)	72	4.097	4.088	0.009	95	9152	25.0	28.5	M
42 Ethyl acetate	70	4.097	4.097	0.000	78	4407	10.0	14.9	
43 Methyl acrylate	55	4.162	4.154	0.008	93	15018	5.00	5.63	
44 Propionitrile	54	4.236	4.220	0.016	92	19331	50.0	43.7	
45 Chlorobromomethane	128	4.302	4.302	0.000	71	14613	5.00	6.92	
46 Tetrahydrofuran	72	4.351	4.310	0.041	57	5407	10.0	11.9	a
47 Methacrylonitrile	67	4.327	4.318	0.009	92	69196	50.0	52.4	
48 Chloroform	83	4.351	4.351	0.000	93	36665	5.00	5.07	
49 Cyclohexane	84	4.491	4.483	0.008	53	32000	5.00	5.06	
50 1,1,1-Trichloroethane	97	4.499	4.499	0.000	50	40223	5.00	5.28	
$ 51 Dibromofluoromethane (Surr)	113	4.508	4.507	0.001	95	149100	50.0	50.6	
52 Carbon tetrachloride	117	4.614	4.614	0.000	93	35423	5.00	5.53	
53 1,1-Dichloropropene	75	4.639	4.631	0.008	86	26364	5.00	5.26	
54 Isobutyl alcohol	43	4.803	4.795	0.008	39	26358	125.0	99.1	a
55 Benzene	78	4.828	4.820	0.008	64	73633	5.00	5.61	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.844	-0.008	0	228263	50.0	49.5	
57 Isopropyl acetate	43	4.877	4.885	-0.008	85	57750	5.00	4.99	a
58 Tert-amyl methyl ether	73	4.894	4.885	0.009	80	67493	5.00	5.09	
59 1,2-Dichloroethane	62	4.910	4.910	0.000	93	37925	5.00	5.45	
60 n-Heptane	57	4.976	4.976	0.000	83	12801	5.00	5.16	
* 61 Fluorobenzene	96	5.107	5.107	0.000	97	501506	50.0	50.0	
62 n-Butanol	56	5.403	5.395	0.008	47	7429	125.0	110.2	
63 Trichloroethene	95	5.444	5.444	0.000	89	19758	5.00	5.48	
64 Ethyl acrylate	55	5.568	5.567	0.001	92	45329	5.00	4.90	
65 Methylcyclohexane	83	5.568	5.567	0.001	86	33693	5.00	5.00	
66 1,2-Dichloropropane	63	5.732	5.724	0.008	73	15805	5.00	4.77	
* 67 1,4-Dioxane-d8	96	5.773	5.789	-0.016	0	23684	1000.0	1000.0	
68 Methyl methacrylate	100	5.806	5.797	0.009	88	10599	10.0	10.6	
69 1,4-Dioxane	88	5.863	5.847	0.016	22	2535	100.0	109.7	M
70 Dibromomethane	93	5.855	5.855	0.000	67	11894	5.00	5.17	
71 n-Propyl acetate	43	5.855	5.855	0.000	98	21336	5.00	4.69	
72 Dichlorobromomethane	83	6.003	5.995	0.008	96	25627	5.00	5.09	
73 2-Nitropropane	41	6.323	6.323	0.000	90	17872	10.0	10.3	
74 2-Chloroethyl vinyl ether	63	6.340	6.332	0.008	59	8260	5.01	4.52	
75 Epichlorohydrin	57	6.439	6.422	0.017	97	31408	100.0	114.5	
76 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	90	22062	5.00	4.89	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.652	0.000	97	96046	25.0	25.8	
$ 78 Toluene-d8 (Surr)	98	6.734	6.734	0.000	98	501788	50.0	51.2	
79 Toluene	91	6.808	6.800	0.008	92	80053	5.00	5.52	
80 trans-1,3-Dichloropropene	75	7.145	7.145	0.000	91	19700	5.00	4.56	
81 Ethyl methacrylate	69	7.186	7.186	0.000	95	21667	5.00	5.45	
82 1,1,2-Trichloroethane	83	7.359	7.359	0.000	88	14246	5.00	6.48	
83 Tetrachloroethene	166	7.408	7.408	0.000	92	21895	5.00	5.51	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	7.572	7.564	0.008	89	24758	5.00	5.39	
85 2-Hexanone	43	7.638	7.630	0.008	96	62570	25.0	26.7	
86 n-Butyl acetate	43	7.753	7.753	0.000	98	30652	5.00	5.22	
87 Chlorodibromomethane	129	7.803	7.794	0.009	93	16093	5.00	5.07	
88 Ethylene Dibromide	107	7.942	7.950	-0.008	97	15575	5.00	5.26	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	90	381106	50.0	50.0	
90 Chlorobenzene	112	8.526	8.525	0.001	93	53056	5.00	5.47	
91 Ethylbenzene	106	8.632	8.632	0.000	99	26810	5.00	4.99	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.649	0.000	92	23431	5.00	5.52	
93 m-Xylene & p-Xylene	106	8.789	8.797	-0.008	0	33895	5.00	5.07	
94 n-Butyl acrylate	73	9.282	9.281	0.001	65	16392	5.00	5.96	
95 o-Xylene	106	9.290	9.290	0.000	91	39290	5.00	5.60	
96 Styrene	104	9.323	9.323	0.000	95	60086	5.00	5.32	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	89	46148	5.00	5.07	
98 Bromoform	173	9.536	9.536	0.000	51	11561	5.00	5.49	
99 Isopropylbenzene	105	9.668	9.668	0.000	98	104964	5.00	5.30	
$ 100 4-Bromofluorobenzene	174	9.857	9.857	0.000	93	192806	50.0	54.7	
101 Bromobenzene	156	9.972	9.972	0.000	90	25563	5.00	5.30	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	94	20440	5.00	5.00	
103 N-Propylbenzene	91	10.046	10.046	0.000	99	124420	5.00	5.12	
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	88	7991	5.00	5.12	
105 trans-1,4-Dichloro-2-butene	53	10.087	10.078	0.009	1	1525	5.00	3.49	a
106 2-Chlorotoluene	91	10.136	10.136	0.000	97	81224	5.00	4.75	
107 4-Ethyltoluene	105	10.144	10.144	0.000	98	107579	5.00	5.18	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	93	86917	5.00	4.87	
109 4-Chlorotoluene	91	10.235	10.235	0.000	97	73568	5.00	4.97	
110 Butyl Methacrylate	87	10.292	10.292	0.000	91	24134	5.00	4.31	
111 tert-Butylbenzene	119	10.448	10.448	0.000	92	66051	5.00	4.52	
112 1,2,4-Trimethylbenzene	105	10.498	10.498	0.000	99	86902	5.00	4.75	
113 sec-Butylbenzene	105	10.613	10.613	0.000	98	114097	5.00	5.11	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	84	55537	5.00	5.00	
114 4-Isopropyltoluene	119	10.720	10.719	0.001	97	107959	5.00	5.16	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	96	275769	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	95	58073	5.00	5.37	
118 1,2,3-Trimethylbenzene	105	10.802	10.802	0.000	97	95921	5.00	4.95	
119 Benzyl chloride	91	10.884	10.884	0.000	97	61970	5.00	5.45	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	91	100492	5.00	5.13	
121 p-Diethylbenzene	119	10.974	10.974	0.000	92	57776	5.00	4.89	
122 n-Butylbenzene	92	10.991	10.991	0.000	98	55952	5.00	4.94	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	95	57162	5.00	5.00	
124 1,2,4,5-Tetramethylbenzene	119	11.459	11.459	0.000	96	103540	5.00	5.08	
125 1,2-Dibromo-3-Chloropropane	157	11.525	11.525	0.000	86	6996	5.00	5.03	
126 1,3,5-Trichlorobenzene	180	11.607	11.607	0.000	96	46458	5.00	4.90	
127 1,2,4-Trichlorobenzene	180	11.993	11.993	0.000	91	43680	5.00	5.00	
128 Hexachlorobutadiene	225	12.059	12.059	0.000	87	17647	5.00	4.96	
129 Naphthalene	128	12.149	12.149	0.000	98	92780	5.00	4.92	
130 1,2,3-Trichlorobenzene	180	12.305	12.305	0.000	93	39845	5.00	5.18	
S 131 1,2-Dichloroethene, Total	100				0		10.0	11.2	
S 133 Total BTEX	1				0		25.0	26.8	
S 132 Xylenes, Total	100				0		10.0	10.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00428	Amount Added:	10.00	Units: uL	
ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	10.00	Units: uL	
524freon_00039	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2021 21:51:27 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D

Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6 Operator ID:

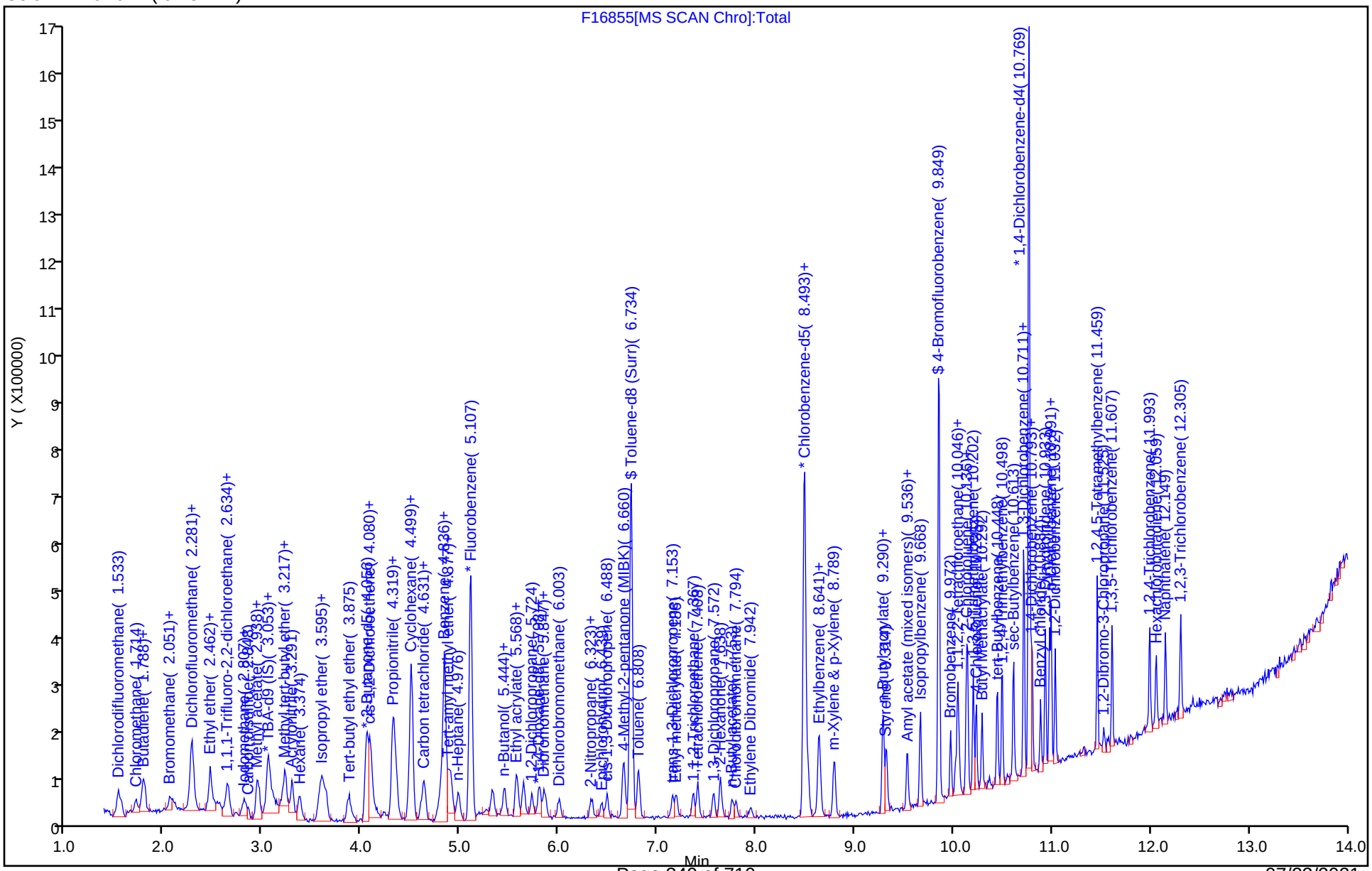
Lims ID: STD5 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

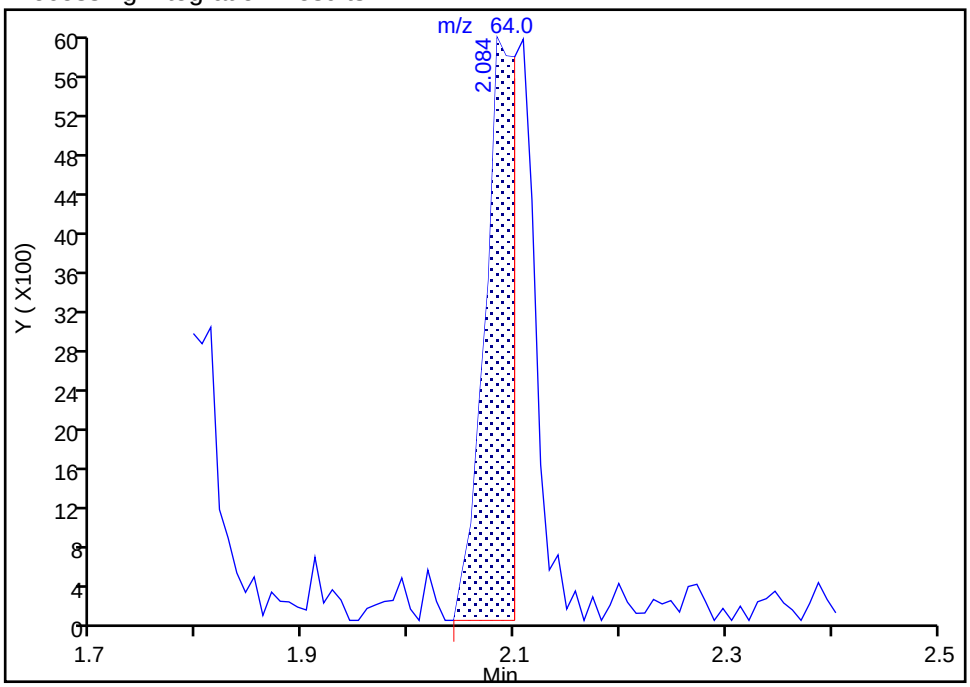
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Chloroethane, CAS: 75-00-3

Signal: 1

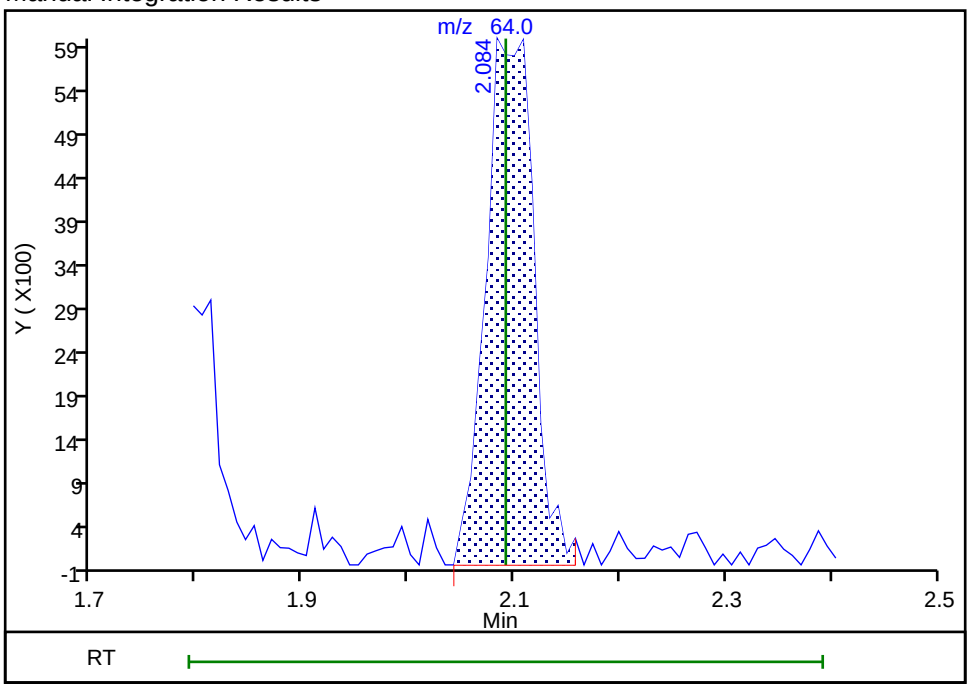
Processing Integration Results

RT: 2.08
Area: 12217
Amount: 3.244218
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 18867
Amount: 4.782463
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:59:20
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

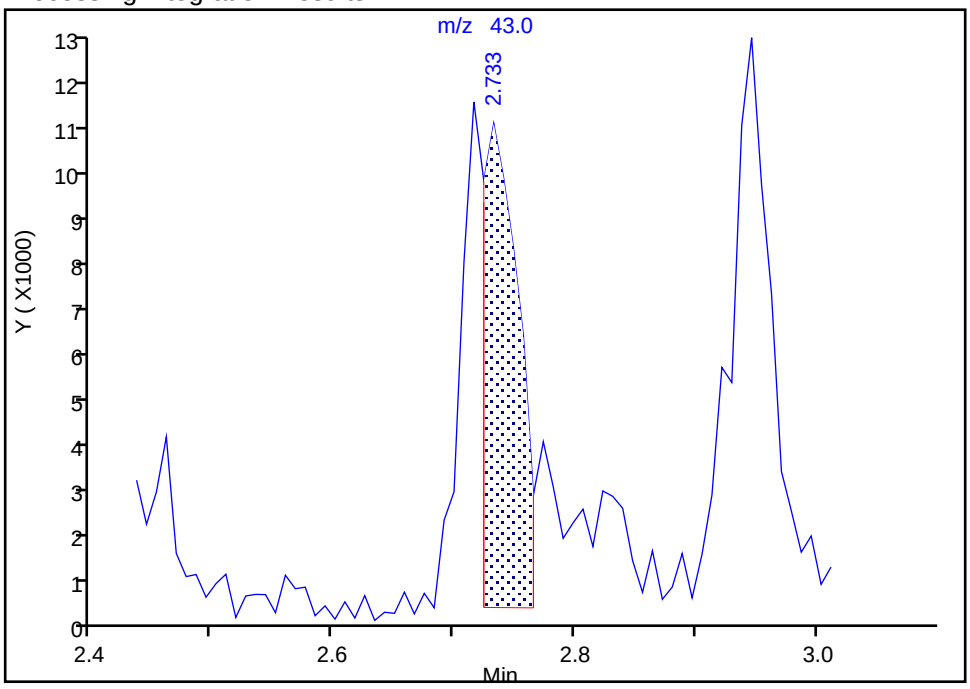
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 Acetone, CAS: 67-64-1

Signal: 1

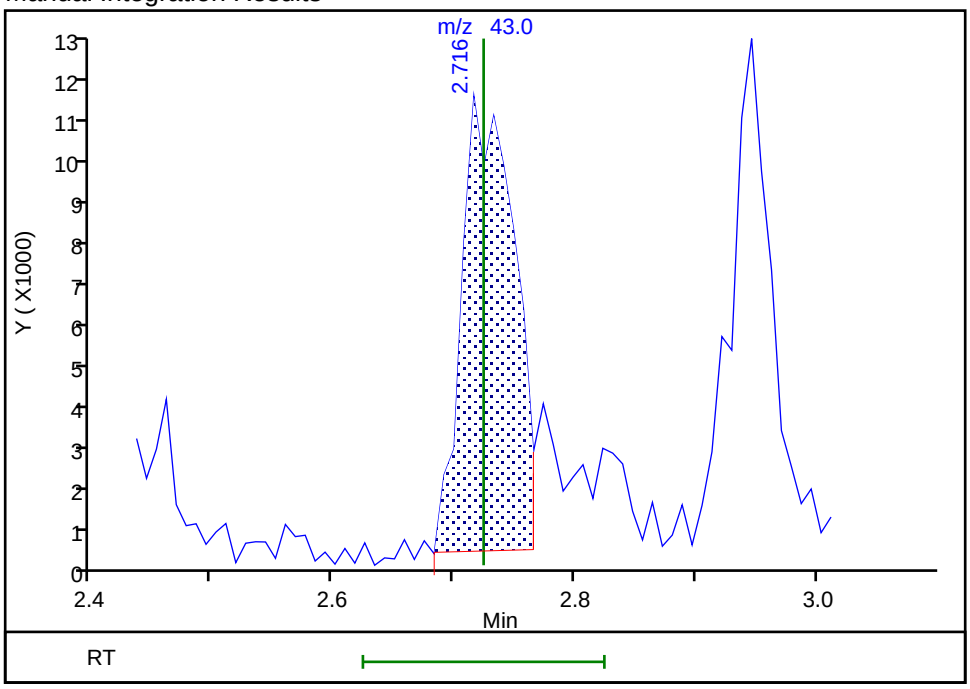
Processing Integration Results

RT: 2.73
Area: 21104
Amount: 20.045529
Amount Units: ug/l



Manual Integration Results

RT: 2.72
Area: 31447
Amount: 28.033708
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:48:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

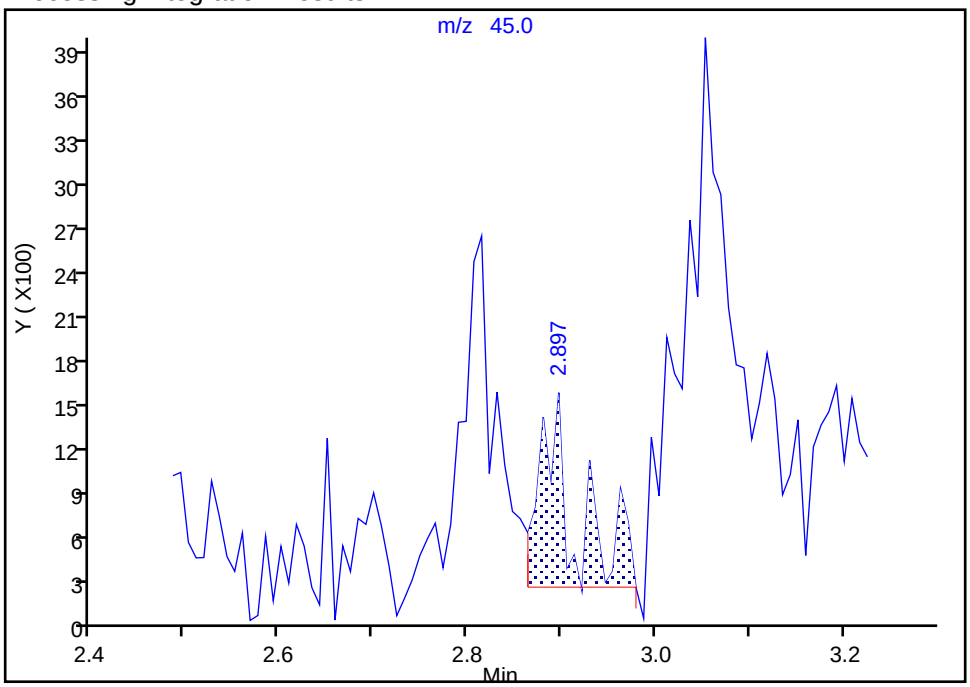
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

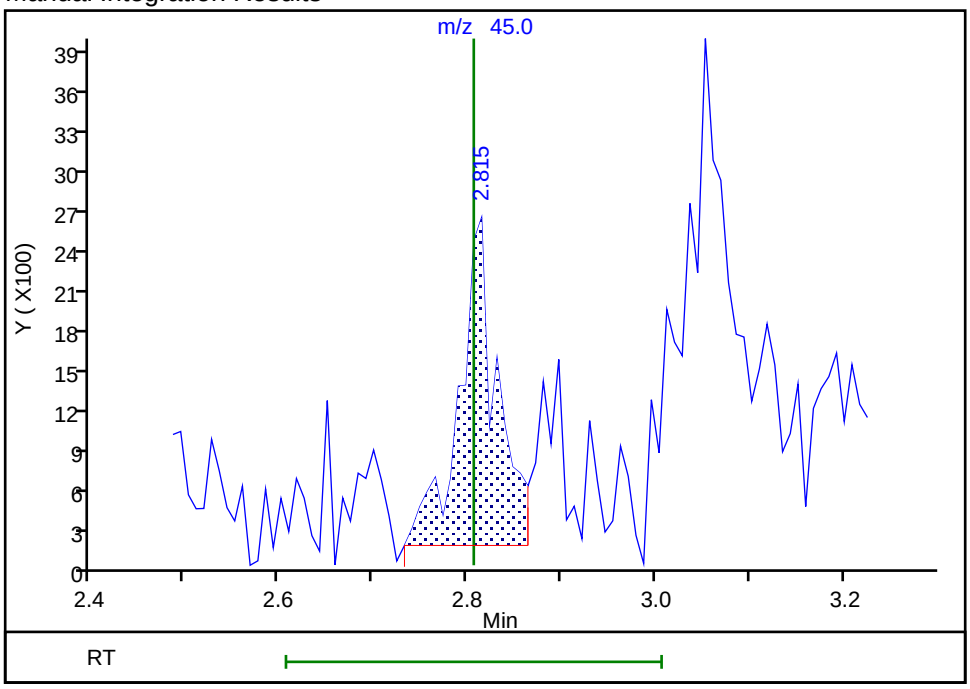
Processing Integration Results

RT: 2.90
Area: 3268
Amount: 18.246108
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 6602
Amount: 44.926404
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:59:50
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

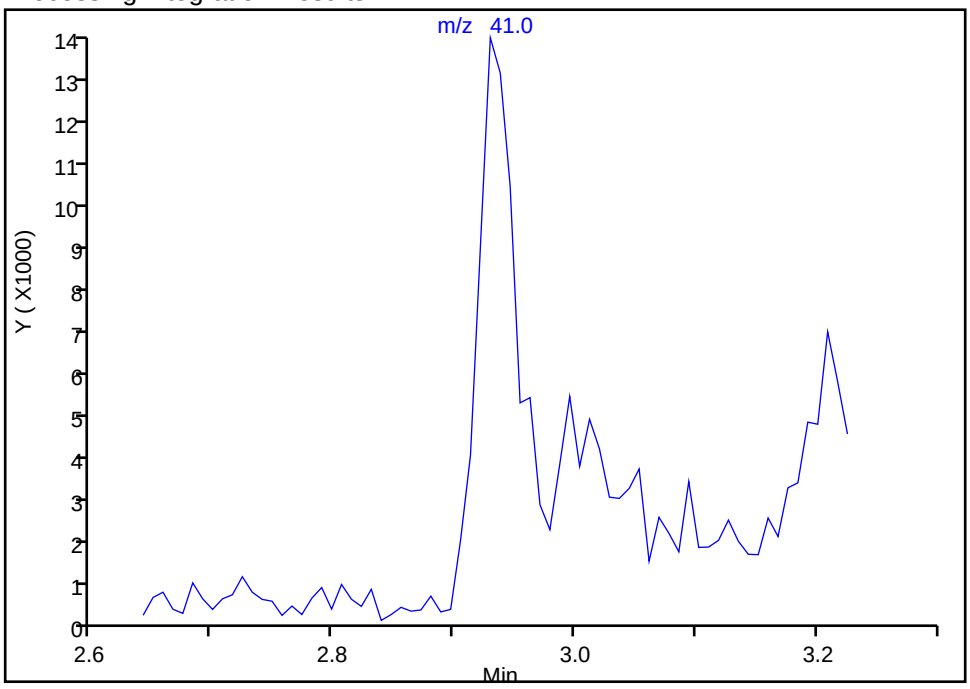
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

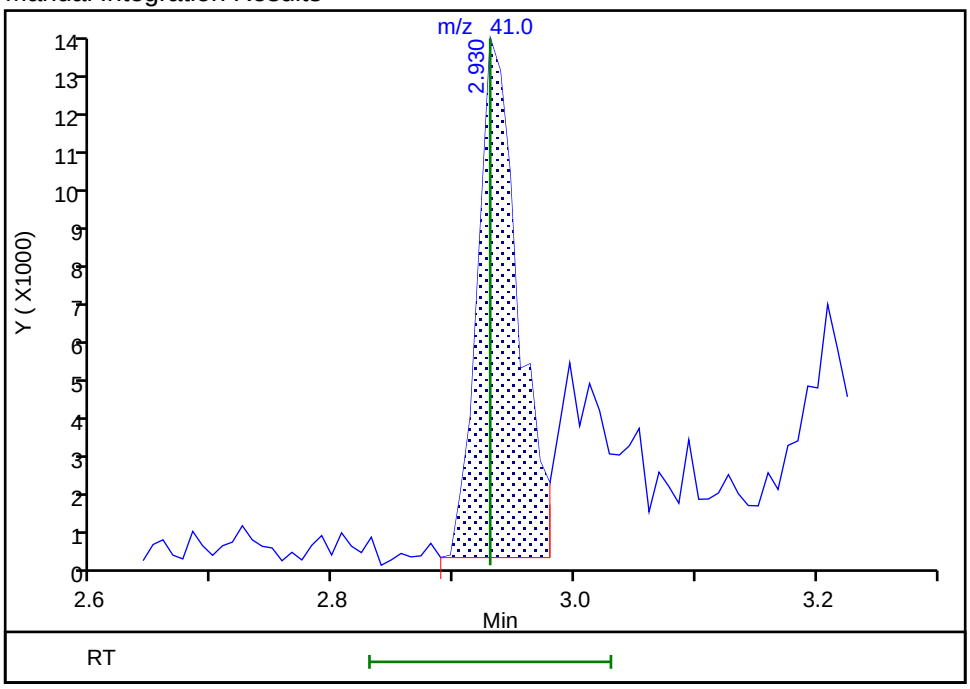
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93
Area: 30798
Amount: 4.648926
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:59:58
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

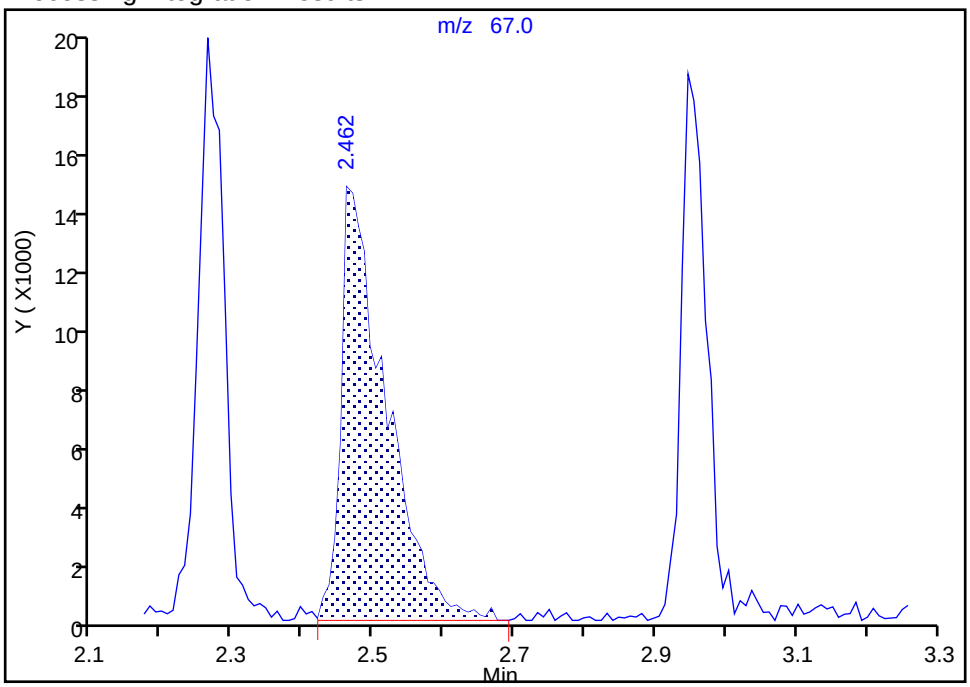
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Cyclopentene, CAS: 142-29-0

Signal: 1

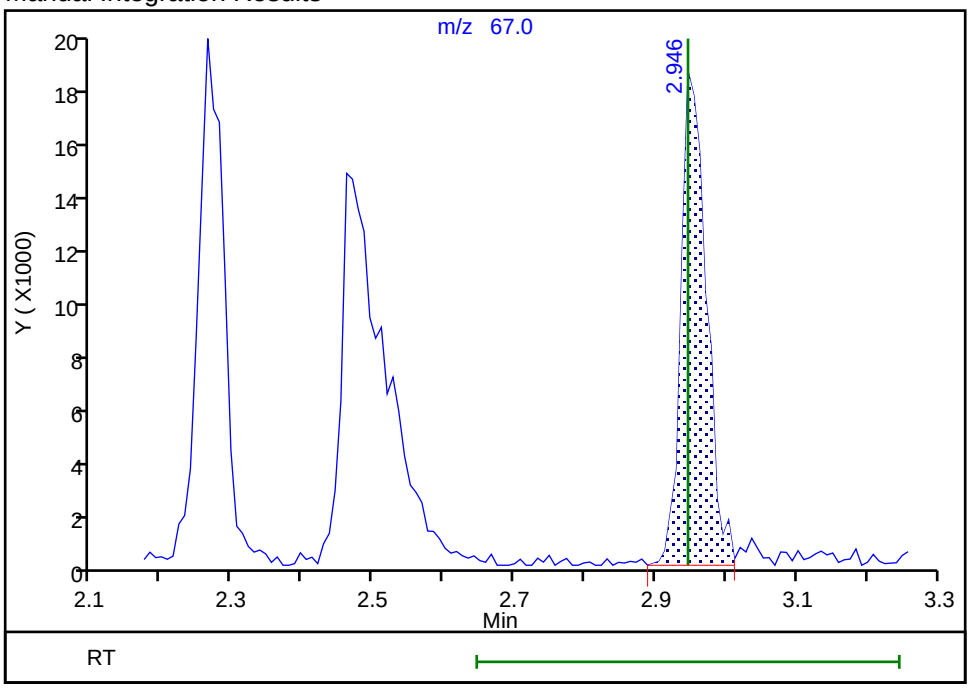
Processing Integration Results

RT: 2.46
Area: 63424
Amount: 7.707488
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 45437
Amount: 5.325092
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:39:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

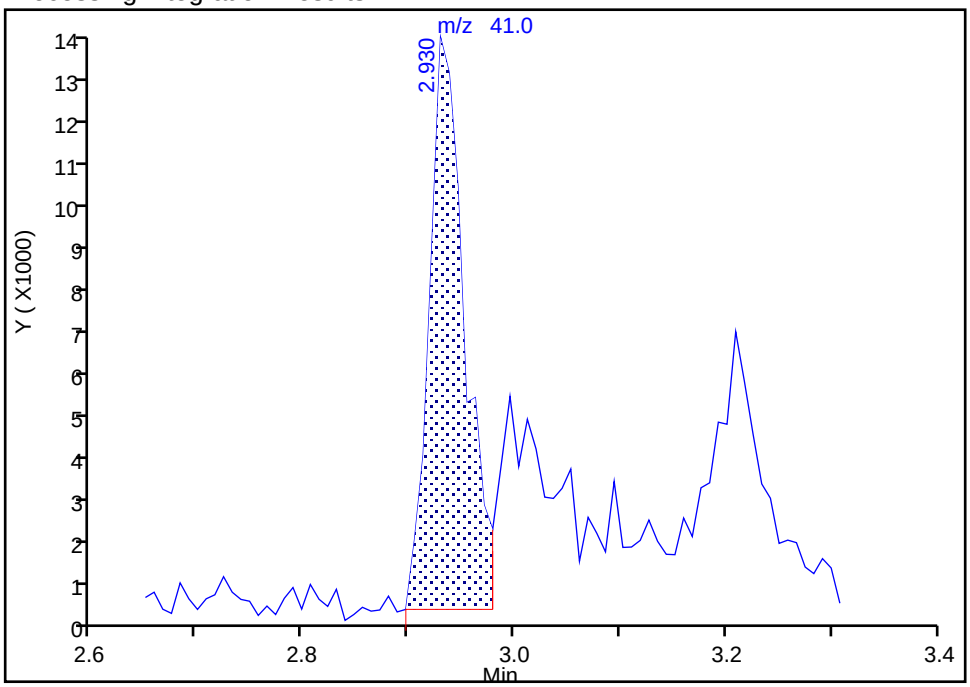
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

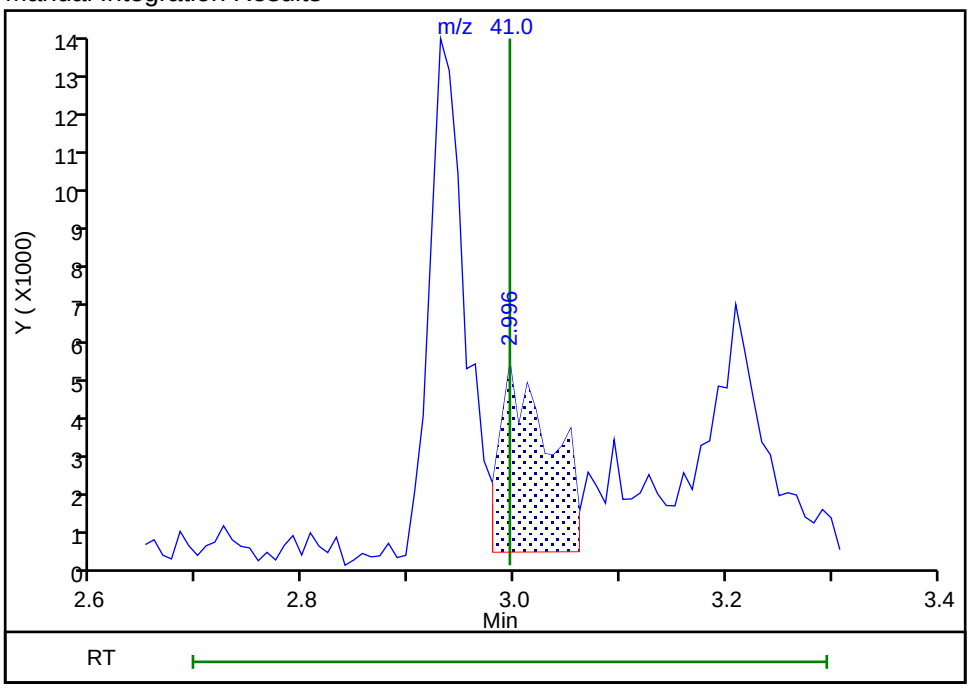
Processing Integration Results

RT: 2.93
Area: 30484
Amount: 59.918486
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 15955
Amount: 32.005540
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:55:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

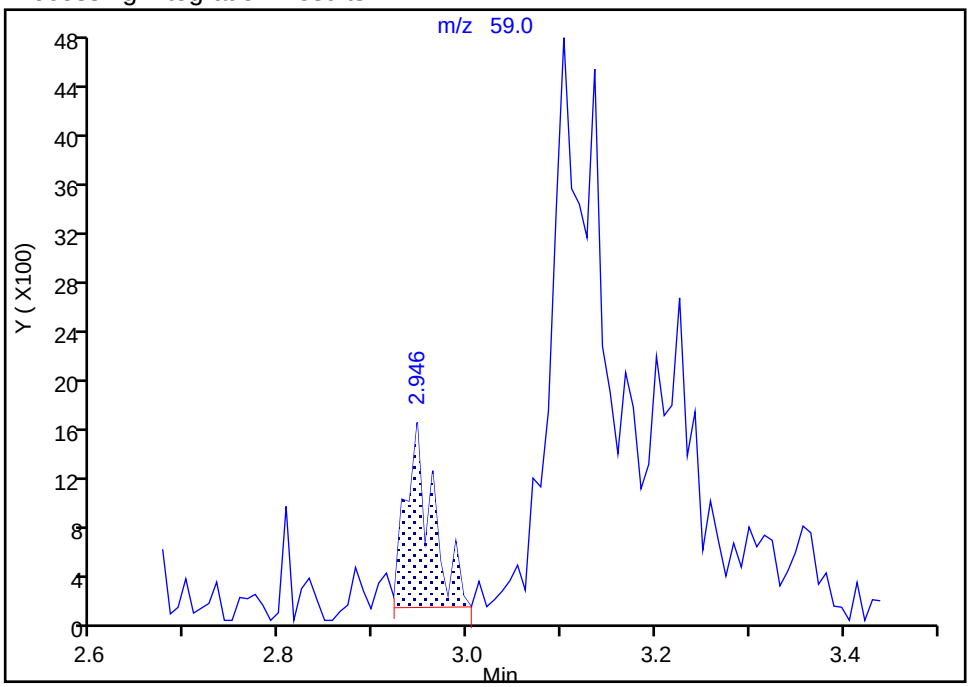
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

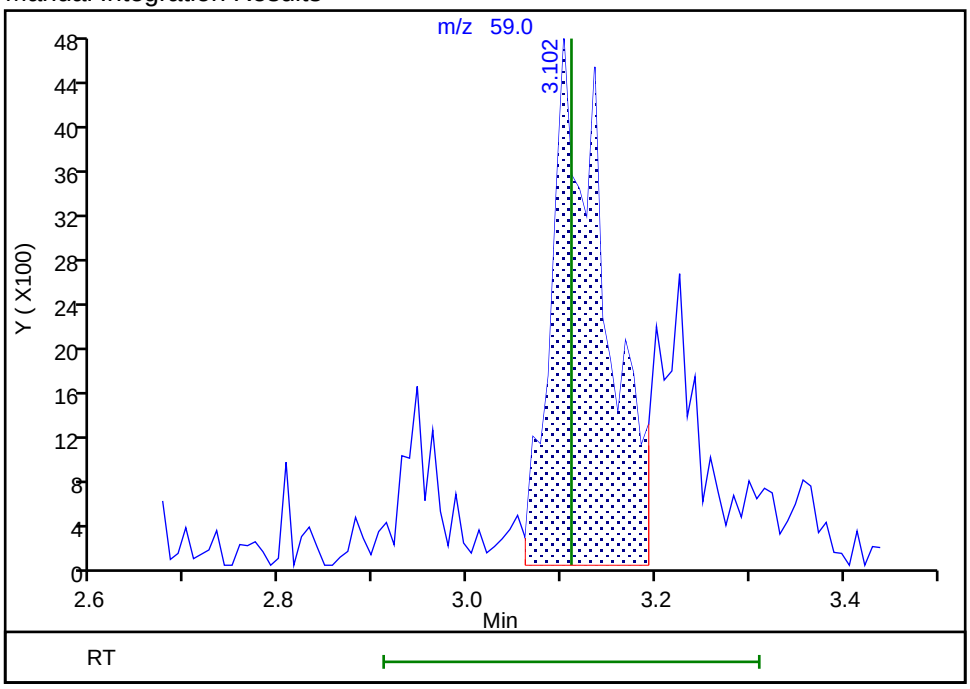
Processing Integration Results

RT: 2.95
Area: 2931
Amount: 6.808106
Amount Units: ug/l



Manual Integration Results

RT: 3.10
Area: 18750
Amount: 45.149193
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:00:08
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

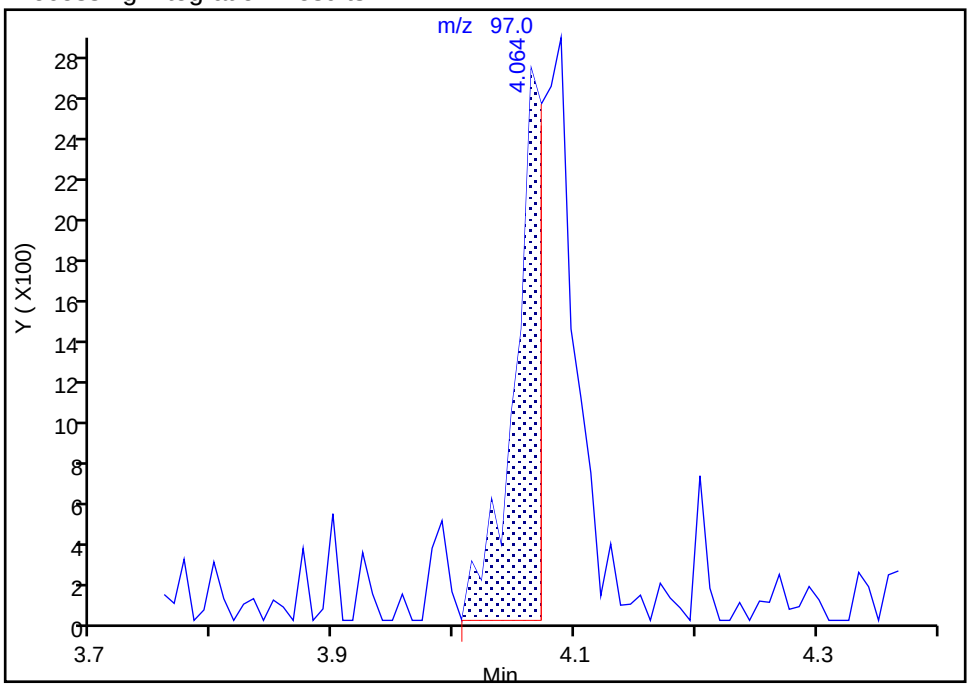
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

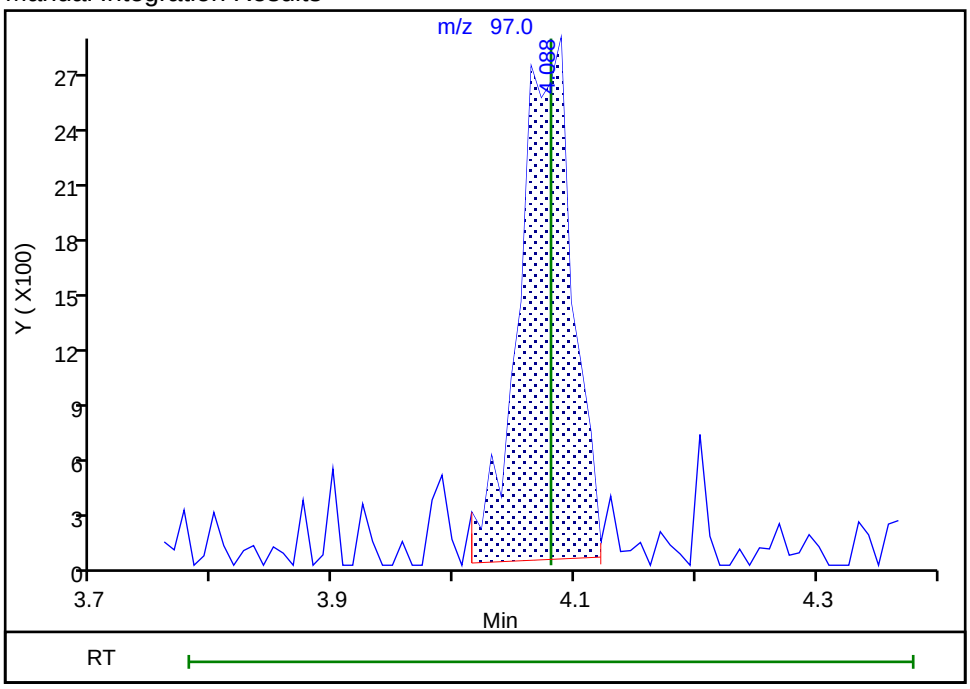
Processing Integration Results

RT: 4.06
Area: 4464
Amount: 3.469444
Amount Units: ug/l



Manual Integration Results

RT: 4.09
Area: 8606
Amount: 6.018872
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:00:27
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison

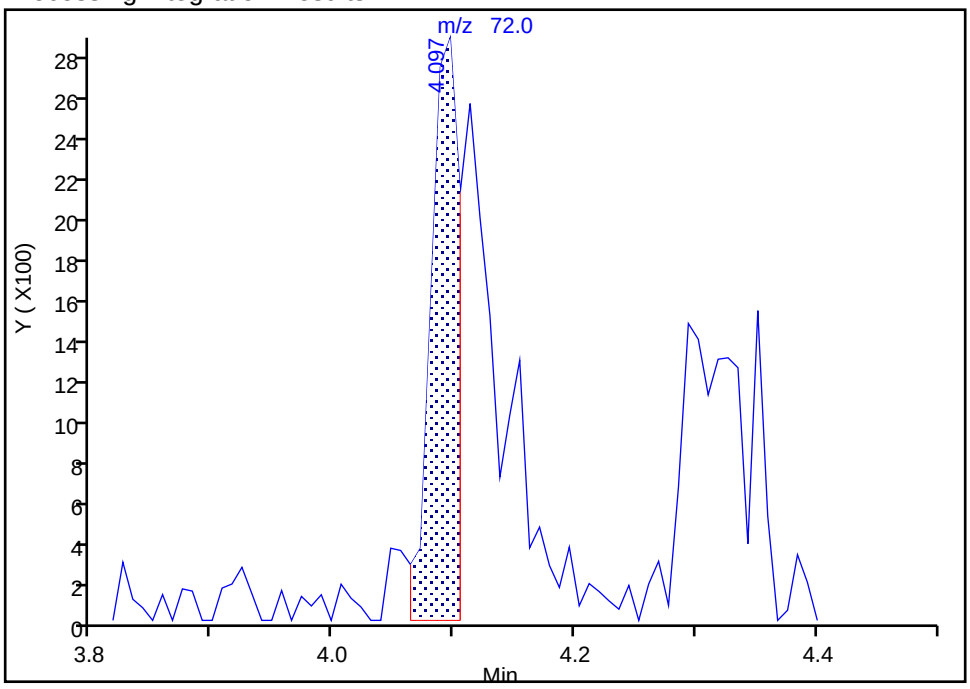
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

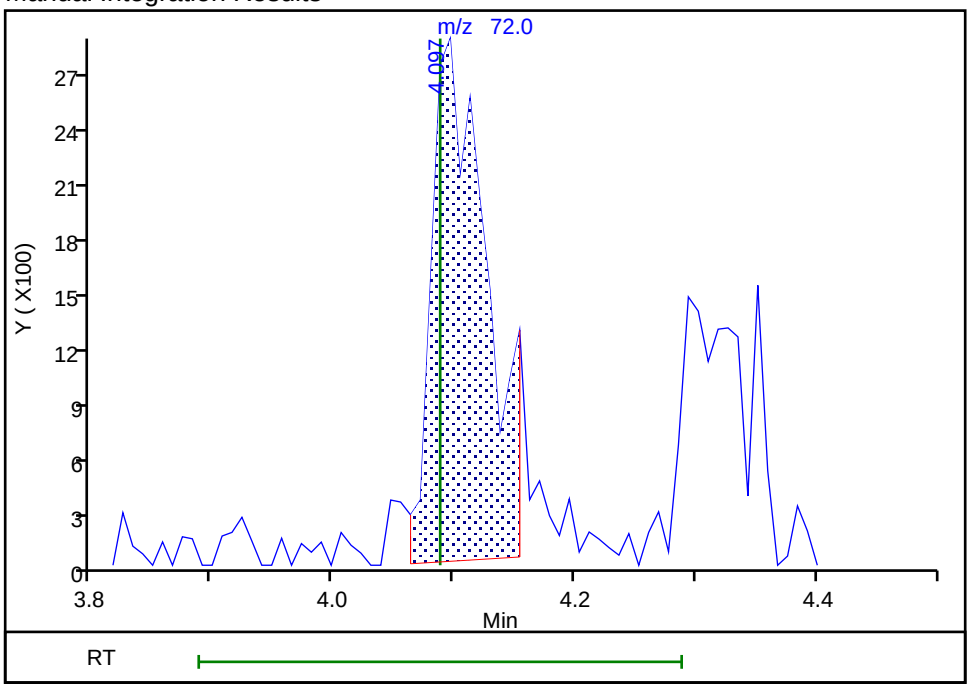
Processing Integration Results

RT: 4.10
Area: 4863
Amount: 17.288809
Amount Units: ug/l



Manual Integration Results

RT: 4.10
Area: 9152
Amount: 28.530933
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:00:38
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

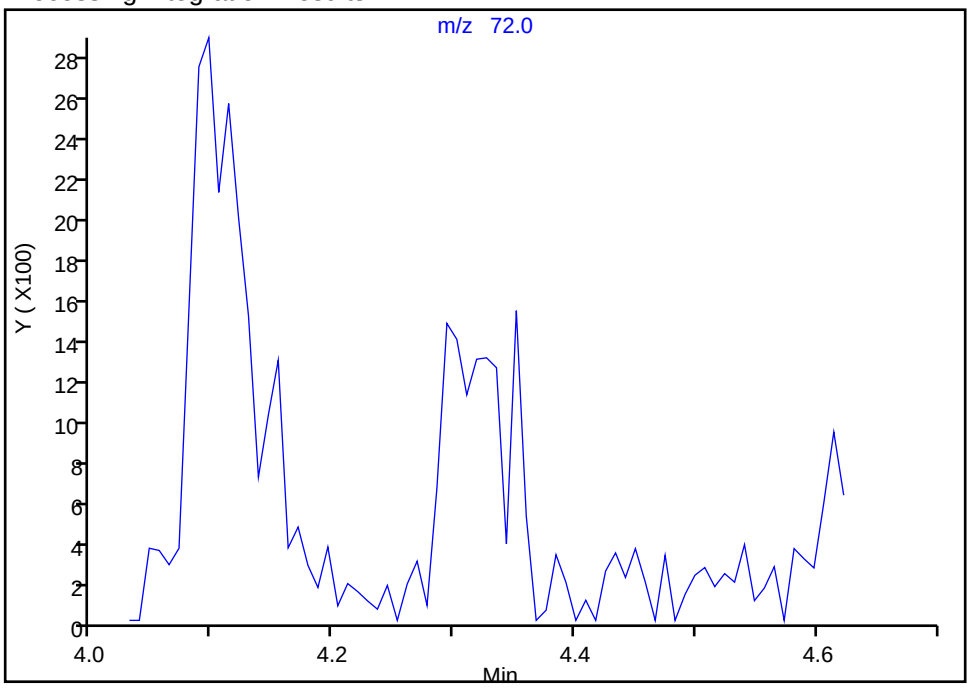
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

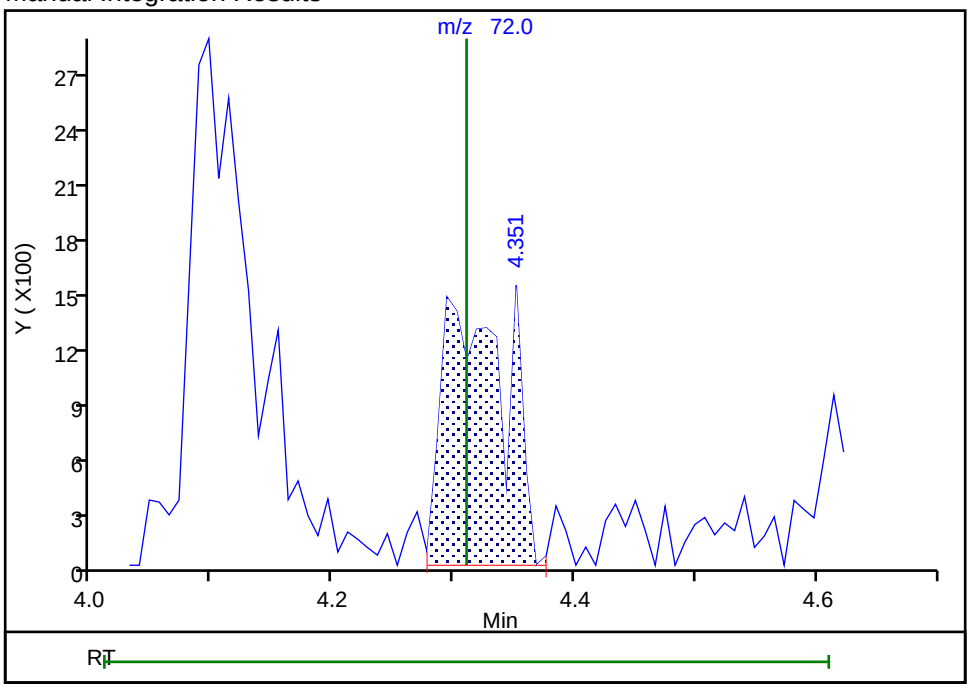
Not Detected
Expected RT: 4.31

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 5407
Amount: 11.866367
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:00:46
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

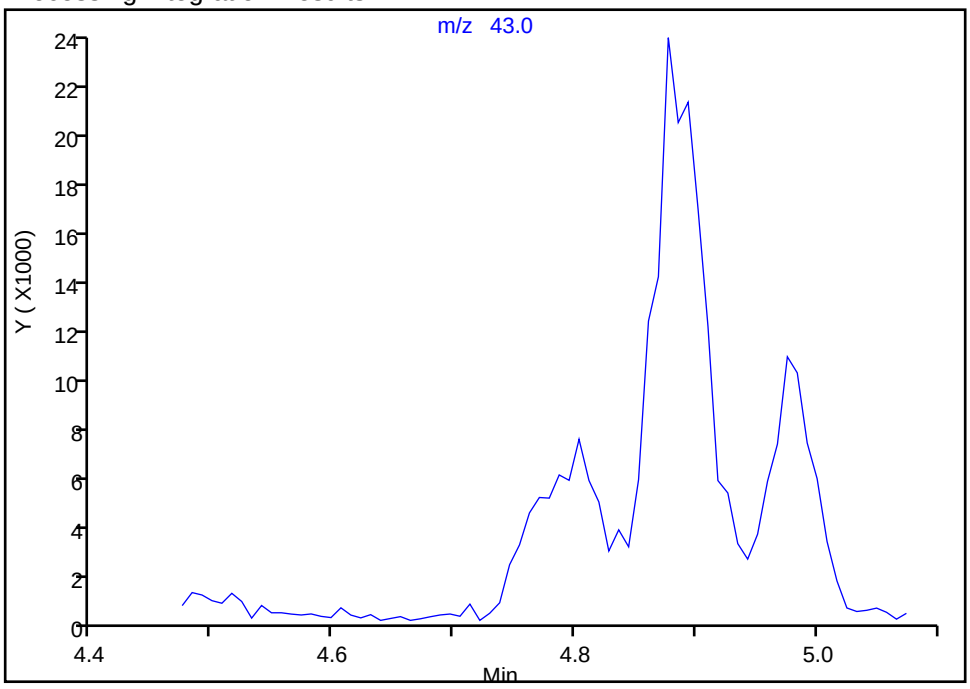
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

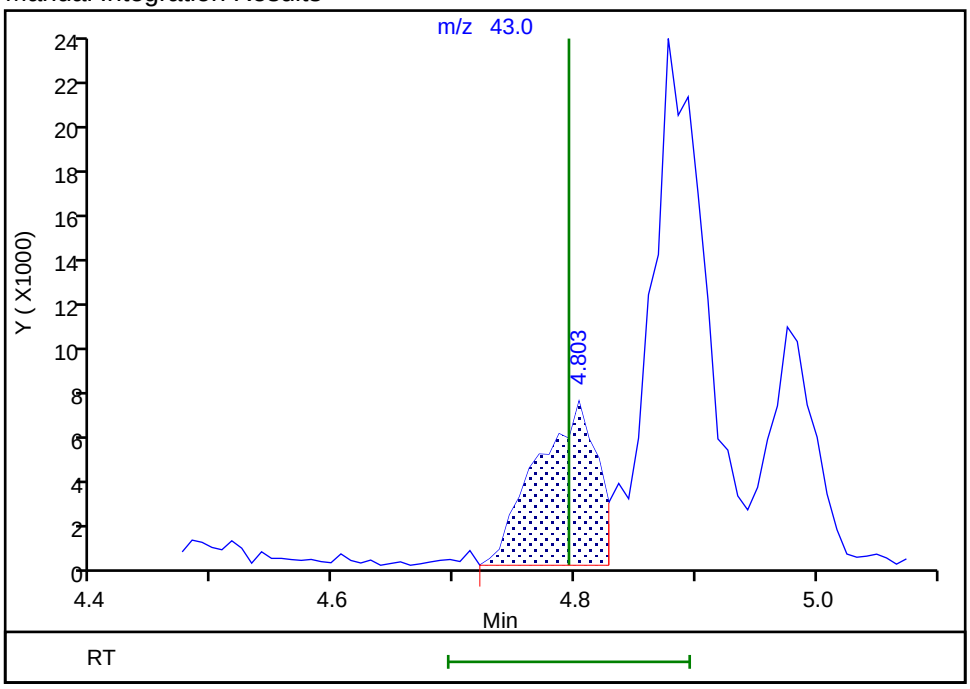
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 26358
Amount: 99.090157
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:00:57
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

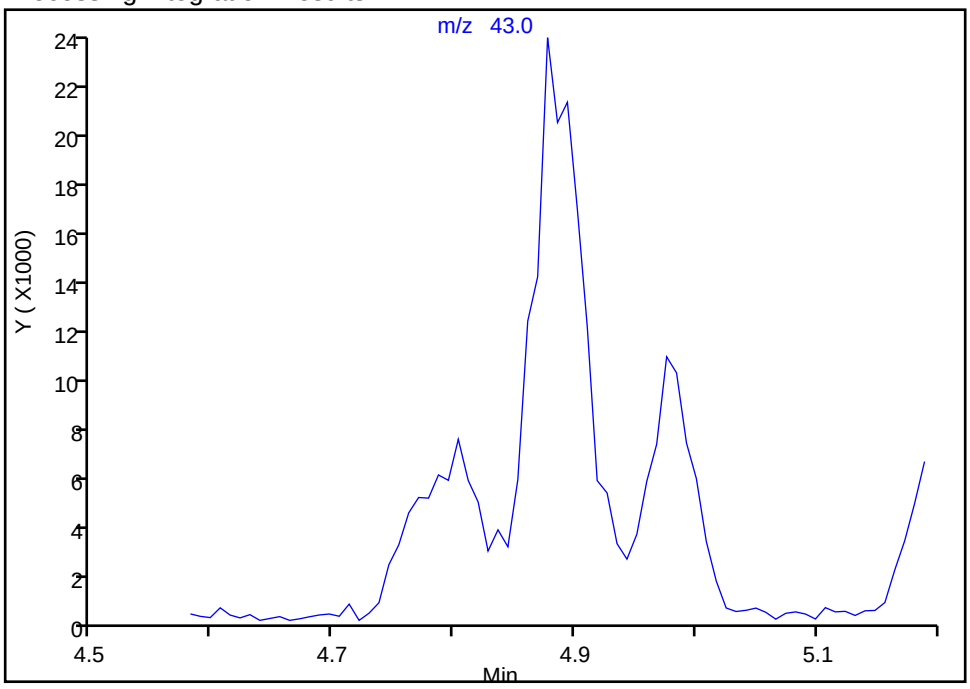
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 Isopropyl acetate, CAS: 108-21-4

Signal: 1

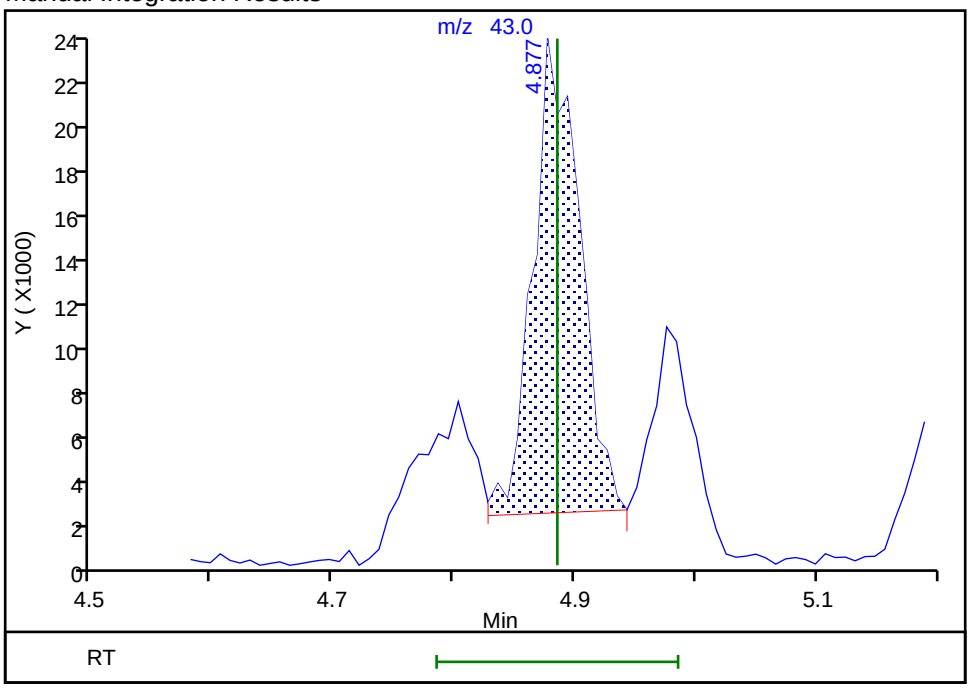
Not Detected
Expected RT: 4.89

Processing Integration Results



Manual Integration Results

RT: 4.88
Area: 57750
Amount: 4.989093
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 12:01:03
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Edison

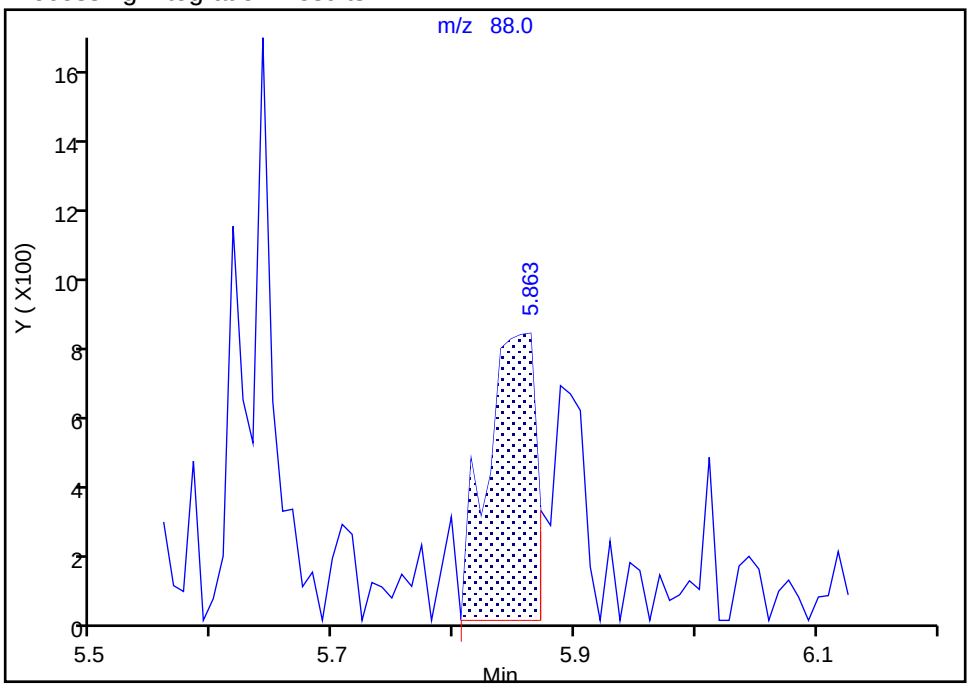
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

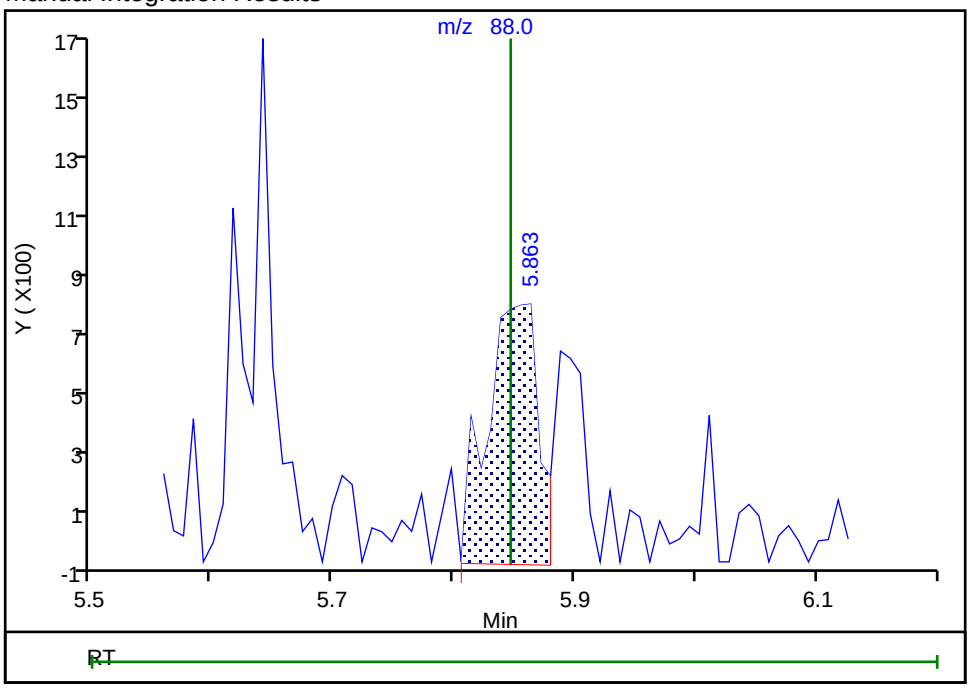
Processing Integration Results

RT: 5.86
Area: 2359
Amount: 100.9365
Amount Units: ug/l



Manual Integration Results

RT: 5.86
Area: 2535
Amount: 109.7227
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:09:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

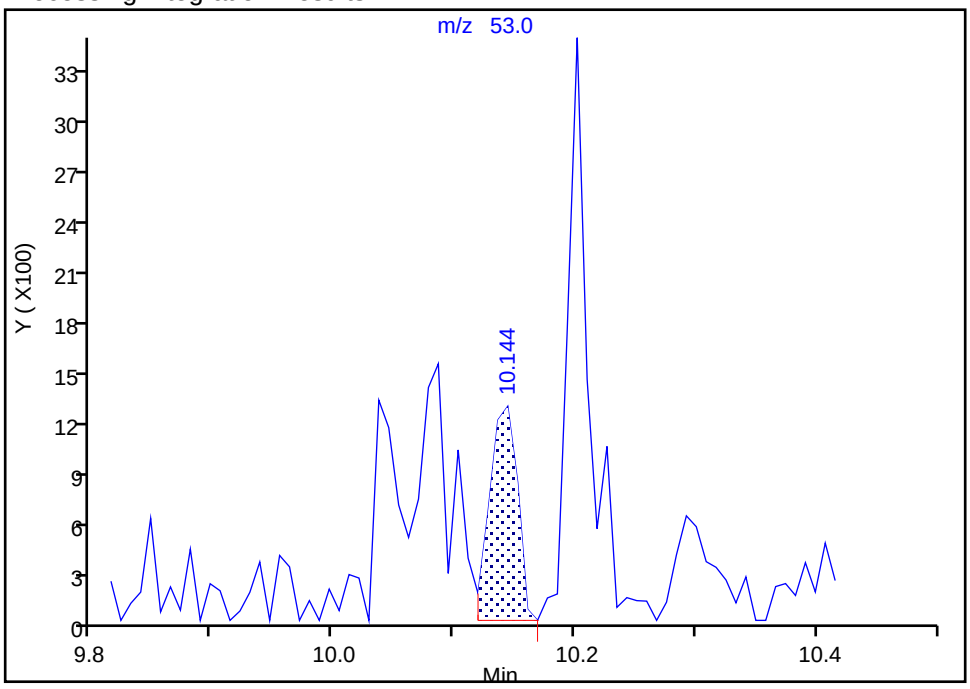
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

105 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

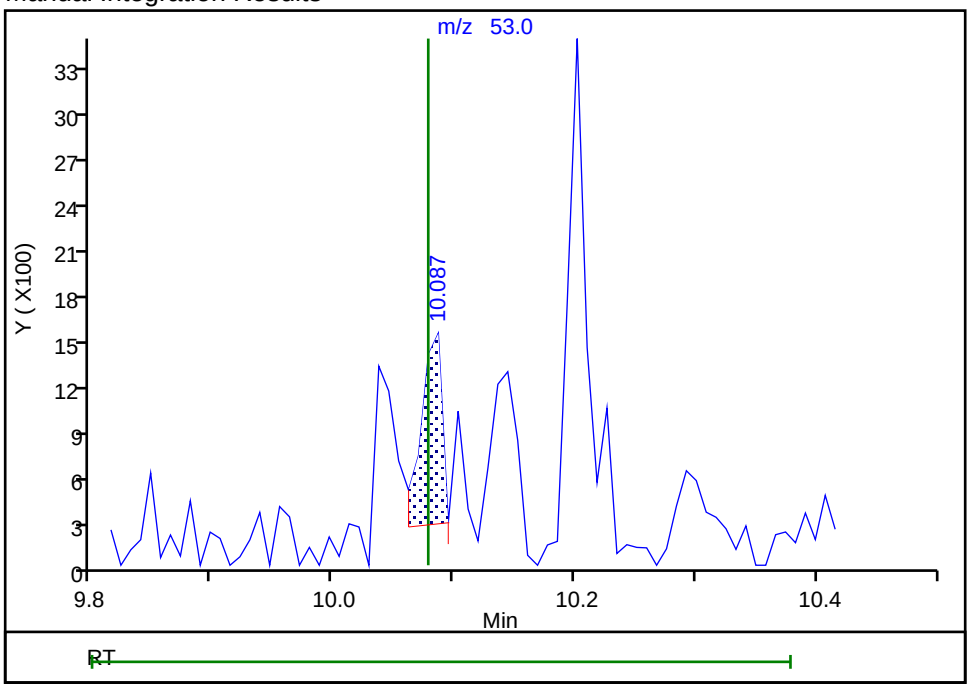
Processing Integration Results

RT: 10.14
Area: 2058
Amount: 4.691999
Amount Units: ug/l



Manual Integration Results

RT: 10.09
Area: 1525
Amount: 3.487987
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:10:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

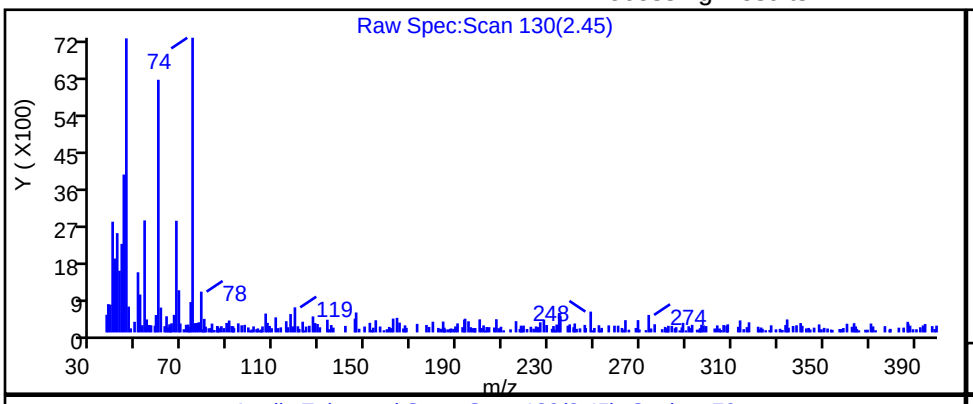
User Disabled Compound Report

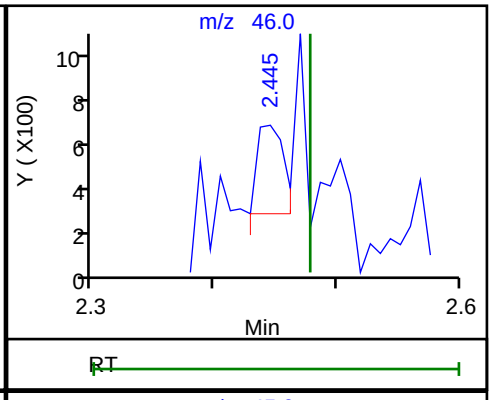
Eurofins TestAmerica, Edison

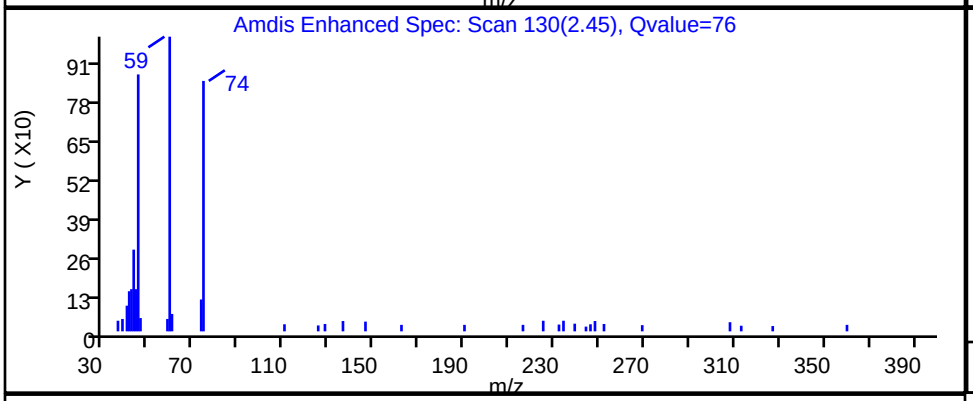
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16855.D
Injection Date: 10-Jul-2021 09:53:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

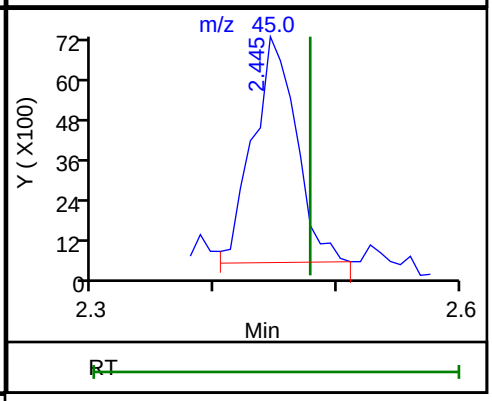
10 Ethanol, CAS: 64-17-5

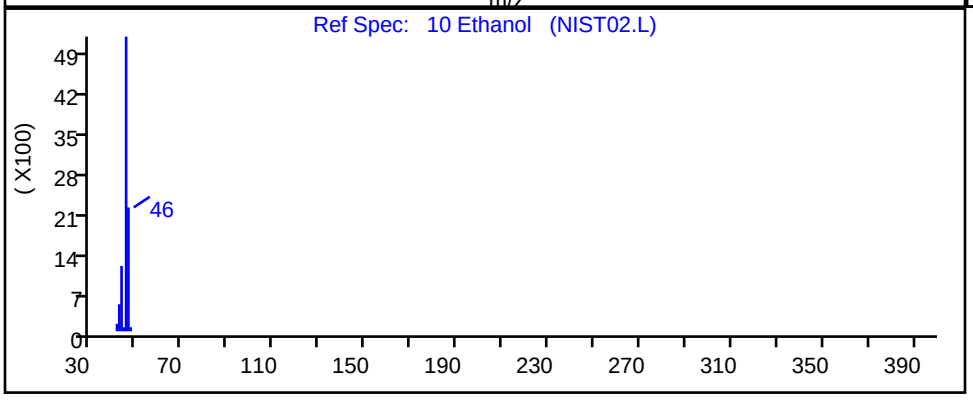
Processing Results











RT	Mass	Response	Amount
2.45	46.00	586	78.073694
2.45	45.00	16732	

Reviewer: baronm, 14-Jul-2021 20:48:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 10-Jul-2021 10:15:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0131608-007
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:30 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: tupayachia Date: 10-Jul-2021 11:33:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.541	1.541	0.000	66	167162	20.0	24.2	
2 Chloromethane	50	1.705	1.705	0.000	99	148043	20.0	21.9	
4 Butadiene	54	1.779	1.779	0.000	93	140551	20.0	20.1	
3 Vinyl chloride	62	1.779	1.779	0.000	97	136174	20.0	21.6	
5 Bromomethane	94	2.042	2.042	0.000	97	105613	20.0	20.3	
6 Chloroethane	64	2.092	2.092	0.000	99	81987	20.0	21.6	
7 Dichlorofluoromethane	67	2.264	2.264	0.000	95	217021	20.0	22.3	
9 Trichlorofluoromethane	101	2.272	2.272	0.000	70	188893	20.0	20.8	
8 Pentane	72	2.272	2.272	0.000	91	32774	40.0	41.4	
11 Ethyl ether	59	2.445	2.445	0.000	92	56102	20.0	18.8	
12 2-Methyl-1,3-butadiene	53	2.461	2.461	0.000	97	74967	20.0	20.0	
10 Ethanol	46	2.478	2.478	0.000	69	8333	800.0	709.1	M
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.511	2.511	0.000	91	78365	20.0	19.6	a
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.560	2.560	0.000	87	103089	20.0	18.4	
15 Acrolein	56	2.609	2.609	0.000	27	20167	40.6	50.1	M
17 1,1-Dichloroethene	96	2.634	2.634	0.000	95	70990	20.0	20.3	
16 112TCTFE	101	2.634	2.634	0.000	66	87797	20.0	20.3	a
18 Acetone	43	2.724	2.724	0.000	83	101915	100.0	95.6	
19 Iodomethane	142	2.782	2.782	0.000	97	151035	20.0	20.0	
20 Isopropyl alcohol	45	2.807	2.807	0.000	30	30162	200.0	227.9	M
21 Carbon disulfide	76	2.839	2.839	0.000	99	251306	20.0	19.4	
22 3-Chloro-1-propene	41	2.930	2.930	0.000	72	120075	20.0	18.8	
23 Methyl acetate	43	2.938	2.938	0.000	65	99527	40.0	37.2	
24 Cyclopentene	67	2.946	2.946	0.000	93	160207	20.0	19.5	a
25 Acetonitrile	41	2.996	2.996	0.000	19	102823	200.0	228.9	a
27 Methylene Chloride	84	3.045	3.045	0.000	91	77540	20.0	19.3	
* 26 TBA-d9 (IS)	65	3.045	3.045	0.000	0	279448	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.111	3.111	0.000	32	74410	200.0	198.9	a
29 Methyl tert-butyl ether	73	3.193	3.193	0.000	95	242424	20.0	19.8	
30 trans-1,2-Dichloroethene	96	3.217	3.217	0.000	95	72886	20.0	21.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.291	3.291	0.000	90	246474	200.0	182.9	
32 Hexane	43	3.365	3.365	0.000	89	61991	20.0	18.9	
33 Isopropyl ether	45	3.571	3.571	0.000	86	236267	20.0	20.2	
35 Vinyl acetate	86	3.595	3.595	0.000	99	28314	40.0	37.2	
34 1,1-Dichloroethane	63	3.595	3.595	0.000	67	134370	20.0	20.4	
36 2-Chloro-1,3-butadiene	88	3.628	3.628	0.000	96	61803	20.0	21.0	
37 Tert-butyl ethyl ether	59	3.858	3.858	0.000	90	235328	20.0	19.7	
* 38 2-Butanone-d5	46	4.039	4.039	0.000	0	280702	250.0	250.0	
39 2,2-Dichloropropane	97	4.080	4.080	0.000	92	29921	20.0	21.7	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	90	77425	20.0	19.5	
41 2-Butanone (MEK)	72	4.088	4.088	0.000	95	32312	100.0	106.0	
42 Ethyl acetate	70	4.097	4.097	0.000	82	13634	40.0	48.8	
43 Methyl acrylate	55	4.154	4.154	0.000	98	48400	20.0	17.9	
44 Propionitrile	54	4.220	4.220	0.000	94	101957	200.0	256.0	
45 Chlorobromomethane	128	4.302	4.302	0.000	81	45129	20.0	22.2	
46 Tetrahydrofuran	72	4.310	4.310	0.000	56	18557	40.0	42.9	
47 Methacrylonitrile	67	4.318	4.318	0.000	94	258506	200.0	203.2	
48 Chloroform	83	4.351	4.351	0.000	97	144216	20.0	20.7	
49 Cyclohexane	84	4.483	4.483	0.000	87	125111	20.0	20.5	
50 1,1,1-Trichloroethane	97	4.499	4.499	0.000	96	157213	20.0	21.4	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.499	0.000	95	143439	50.0	50.5	
52 Carbon tetrachloride	117	4.614	4.614	0.000	94	129779	20.0	21.0	
53 1,1-Dichloropropene	75	4.631	4.631	0.000	87	96892	20.0	20.1	
54 Isobutyl alcohol	43	4.795	4.795	0.000	39	110983	500.0	464.4	a
55 Benzene	78	4.820	4.820	0.000	98	272002	20.0	20.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.836	0.000	0	220443	50.0	49.7	
57 Isopropyl acetate	43	4.885	4.885	0.000	89	258289	20.0	23.2	a
58 Tert-amyl methyl ether	73	4.885	4.885	0.000	86	258203	20.0	20.2	
59 1,2-Dichloroethane	62	4.910	4.910	0.000	97	127036	20.0	18.9	
60 n-Heptane	57	4.976	4.976	0.000	88	48299	20.0	20.2	
* 61 Fluorobenzene	96	5.099	5.099	0.000	97	483136	50.0	50.0	
62 n-Butanol	56	5.395	5.395	0.000	86	25076	500.0	413.2	
63 Trichloroethene	95	5.444	5.444	0.000	91	66396	20.0	19.1	
64 Ethyl acrylate	55	5.567	5.567	0.000	94	178440	20.0	20.0	
65 Methylcyclohexane	83	5.567	5.567	0.000	84	121876	20.0	18.8	
66 1,2-Dichloropropane	63	5.724	5.724	0.000	73	60569	20.0	19.0	
* 67 1,4-Dioxane-d8	96	5.773	5.773	0.000	0	25135	1000.0	1000.0	
68 Methyl methacrylate	100	5.797	5.797	0.000	89	34852	40.0	36.2	
69 1,4-Dioxane	88	5.847	5.847	0.000	26	10436	400.0	425.6	
70 Dibromomethane	93	5.855	5.855	0.000	65	44596	20.0	20.1	
71 n-Propyl acetate	43	5.855	5.855	0.000	97	85034	20.0	19.4	
72 Dichlorobromomethane	83	5.995	5.995	0.000	96	99807	20.0	20.6	
73 2-Nitropropane	41	6.323	6.323	0.000	88	58724	40.0	38.0	
74 2-Chloroethyl vinyl ether	63	6.332	6.332	0.000	59	30260	20.0	18.8	
75 Epichlorohydrin	57	6.430	6.430	0.000	98	107131	400.0	411.1	
76 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	89	86411	20.0	18.9	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.652	0.000	96	361341	100.0	102.1	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	97	491733	50.0	49.5	
79 Toluene	91	6.800	6.800	0.000	92	278108	20.0	18.9	
80 trans-1,3-Dichloropropene	75	7.145	7.145	0.000	96	84881	20.0	19.4	
81 Ethyl methacrylate	69	7.186	7.186	0.000	96	80767	20.0	20.0	
82 1,1,2-Trichloroethane	83	7.359	7.359	0.000	87	40345	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.408	7.408	0.000	95	81416	20.0	20.2	
84 1,3-Dichloropropane	76	7.564	7.564	0.000	93	91816	20.0	19.7	
85 2-Hexanone	43	7.630	7.630	0.000	97	218564	100.0	98.3	a
86 n-Butyl acetate	43	7.753	7.753	0.000	95	105150	20.0	19.0	
87 Chlorodibromomethane	129	7.794	7.794	0.000	96	64194	20.0	19.9	
88 Ethylene Dibromide	107	7.950	7.950	0.000	98	52991	20.0	19.0	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	89	386543	50.0	50.0	
90 Chlorobenzene	112	8.525	8.525	0.000	92	188078	20.0	19.1	
91 Ethylbenzene	106	8.632	8.632	0.000	99	111635	20.0	20.5	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.649	0.000	91	83929	20.0	19.5	
93 m-Xylene & p-Xylene	106	8.797	8.797	0.000	0	134710	20.0	19.9	
94 n-Butyl acrylate	73	9.281	9.281	0.000	93	58638	20.0	21.0	
95 o-Xylene	106	9.290	9.290	0.000	92	142138	20.0	20.0	
96 Styrene	104	9.323	9.323	0.000	93	222619	20.0	19.4	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	88	160376	20.0	18.6	
98 Bromoform	173	9.536	9.536	0.000	95	43527	20.0	20.4	
99 Isopropylbenzene	105	9.668	9.668	0.000	97	400983	20.0	20.0	
$ 100 4-Bromofluorobenzene	174	9.848	9.848	0.000	90	184419	50.0	51.5	
101 Bromobenzene	156	9.972	9.972	0.000	86	96181	20.0	21.1	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	94	76536	20.0	19.8	
103 N-Propylbenzene	91	10.046	10.046	0.000	99	457668	20.0	19.9	
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	90	30621	20.0	20.8	a
105 trans-1,4-Dichloro-2-butene	53	10.078	10.078	0.000	66	8529	20.0	19.9	
106 2-Chlorotoluene	91	10.136	10.136	0.000	97	312375	20.0	19.3	
107 4-Ethyltoluene	105	10.144	10.144	0.000	97	373041	20.0	19.0	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	92	332059	20.0	19.7	
109 4-Chlorotoluene	91	10.235	10.235	0.000	98	267259	20.0	19.1	
110 Butyl Methacrylate	87	10.292	10.292	0.000	97	105441	20.0	19.9	
111 tert-Butylbenzene	119	10.448	10.448	0.000	93	263149	20.0	19.1	
112 1,2,4-Trimethylbenzene	105	10.498	10.498	0.000	99	354707	20.0	20.5	
113 sec-Butylbenzene	105	10.613	10.613	0.000	97	427866	20.0	20.3	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	92	202178	20.0	19.2	
114 4-Isopropyltoluene	119	10.719	10.719	0.000	97	399115	20.0	20.2	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	95	260788	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	96	198555	20.0	19.4	
118 1,2,3-Trimethylbenzene	105	10.802	10.802	0.000	98	359654	20.0	19.6	
119 Benzyl chloride	91	10.884	10.884	0.000	97	207288	20.0	19.3	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	94	361984	20.0	19.5	
121 p-Diethylbenzene	119	10.974	10.974	0.000	93	218166	20.0	19.5	
122 n-Butylbenzene	92	10.991	10.991	0.000	98	205883	20.0	19.2	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	93	207825	20.0	19.2	
124 1,2,4,5-Tetramethylbenzene	119	11.459	11.459	0.000	97	385921	20.0	20.0	
125 1,2-Dibromo-3-Chloropropane	157	11.525	11.525	0.000	89	24425	20.0	21.2	
126 1,3,5-Trichlorobenzene	180	11.607	11.607	0.000	96	170210	20.0	19.0	
127 1,2,4-Trichlorobenzene	180	11.993	11.993	0.000	92	163061	20.0	19.7	
128 Hexachlorobutadiene	225	12.059	12.059	0.000	92	67833	20.0	20.2	
129 Naphthalene	128	12.149	12.149	0.000	98	354618	20.0	19.9	
130 1,2,3-Trichlorobenzene	180	12.305	12.305	0.000	91	142231	20.0	19.5	
S 131 1,2-Dichloroethene, Total	100				0		40.0	40.6	
S 133 Total BTEX	1				0		100.0	99.7	
S 132 Xylenes, Total	100				0		40.0	39.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00428	Amount Added:	20.00	Units: uL	
ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	20.00	Units: uL	
524freon_00039	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2021 21:51:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D

Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6 Operator ID:

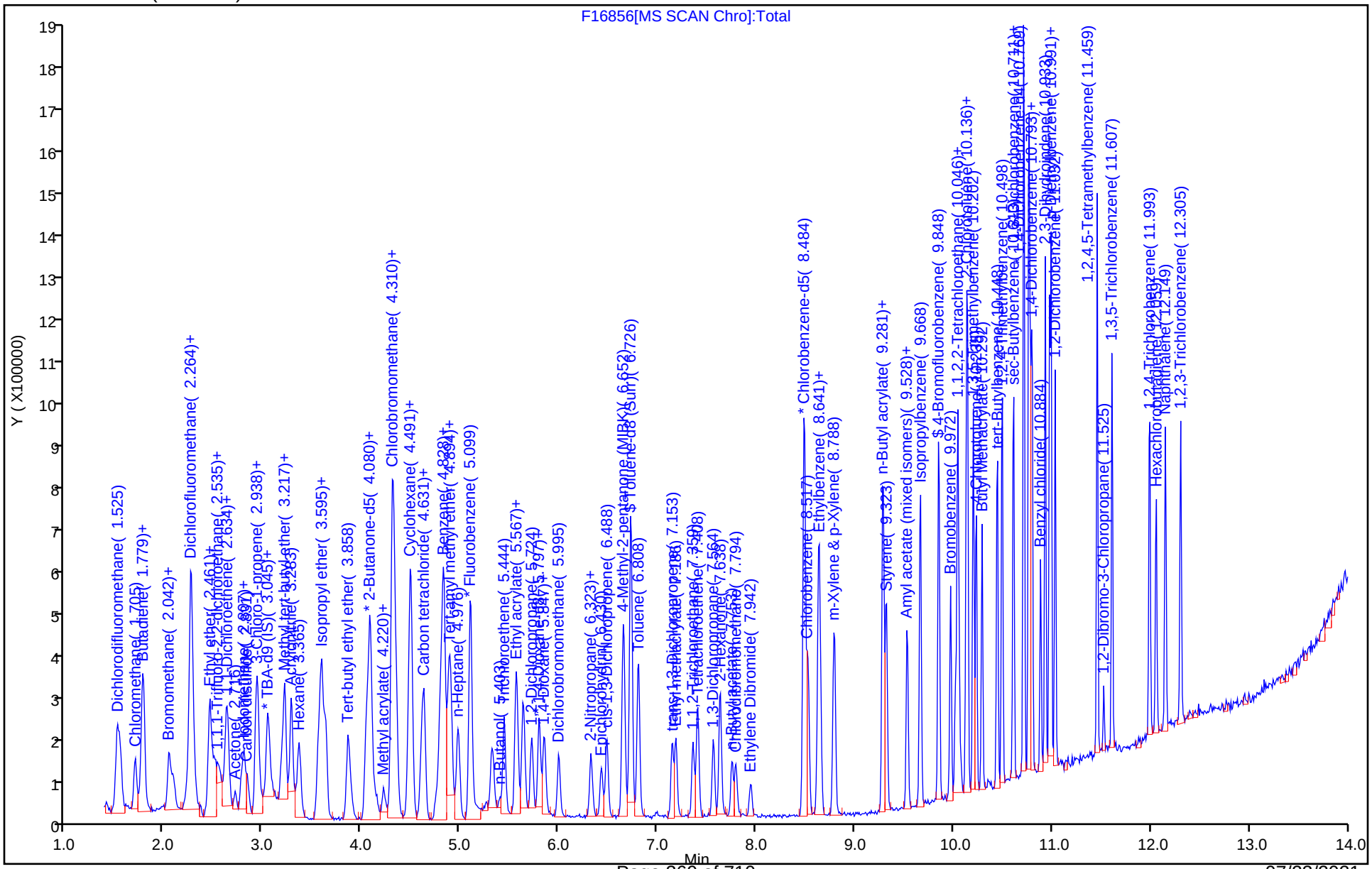
Lims ID: STD20 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

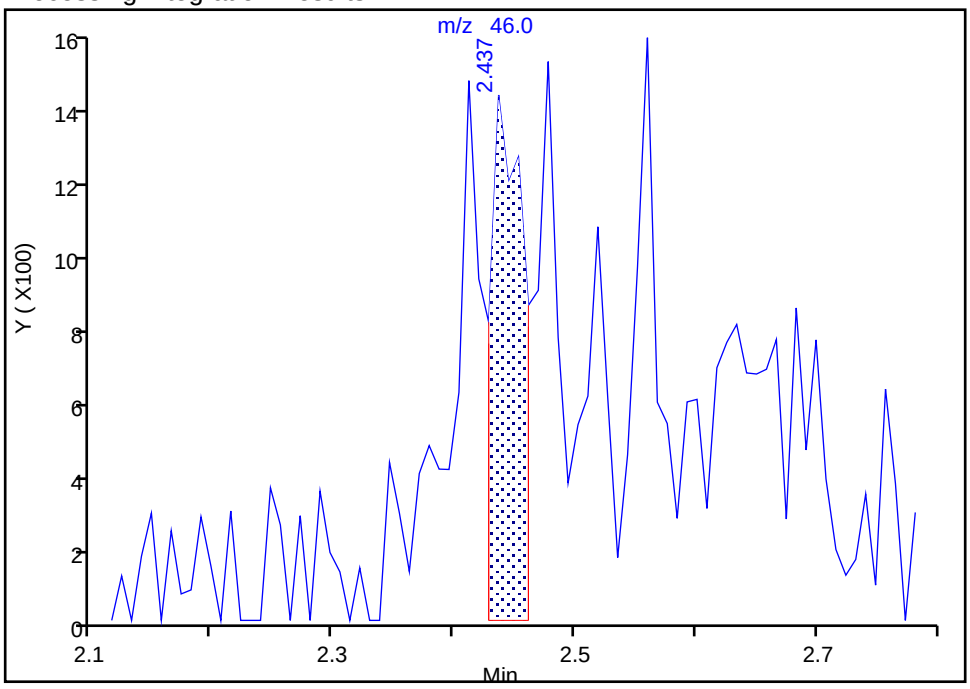
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Ethanol, CAS: 64-17-5

Signal: 1

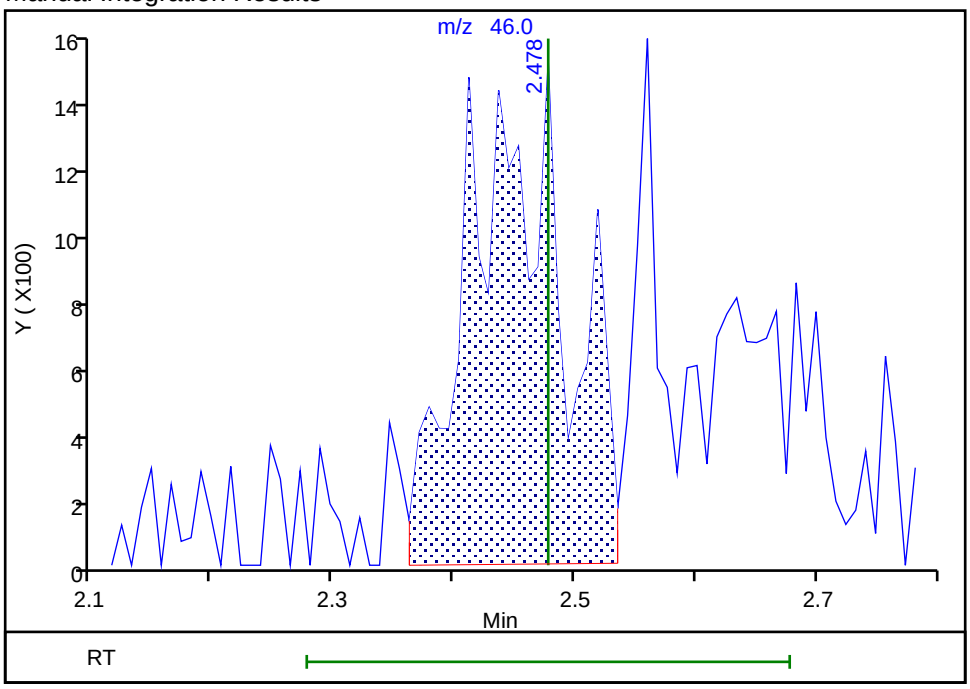
Processing Integration Results

RT: 2.44
Area: 2739
Amount: 420.0622
Amount Units: ug/l



Manual Integration Results

RT: 2.48
Area: 8333
Amount: 709.0900
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:50:42
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

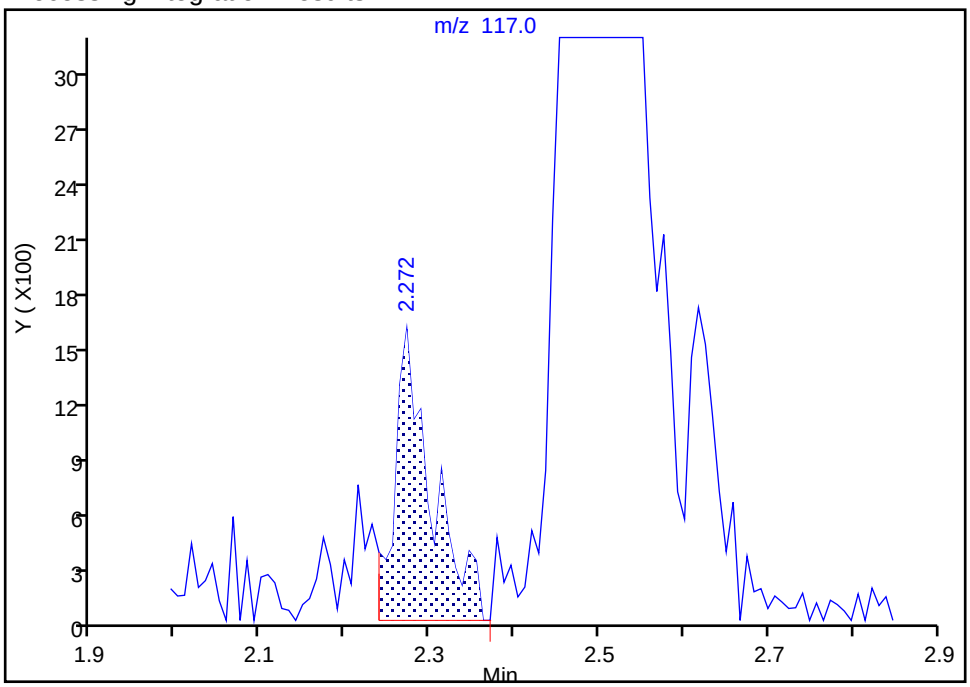
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

13 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

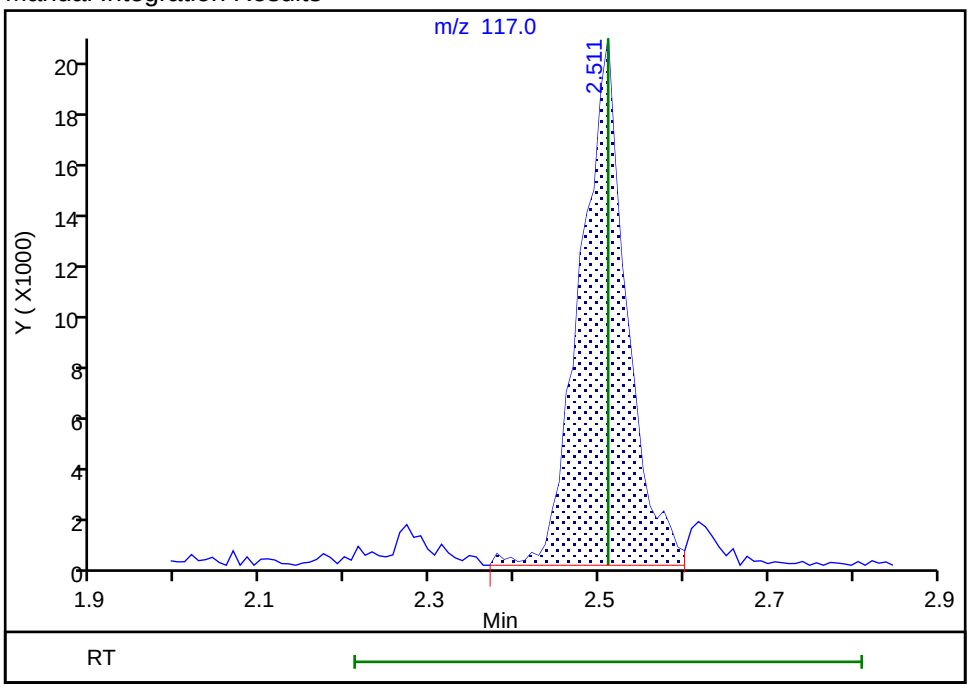
Processing Integration Results

RT: 2.27
Area: 4802
Amount: 2.464738
Amount Units: ug/l



Manual Integration Results

RT: 2.51
Area: 78365
Amount: 19.588802
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:29:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

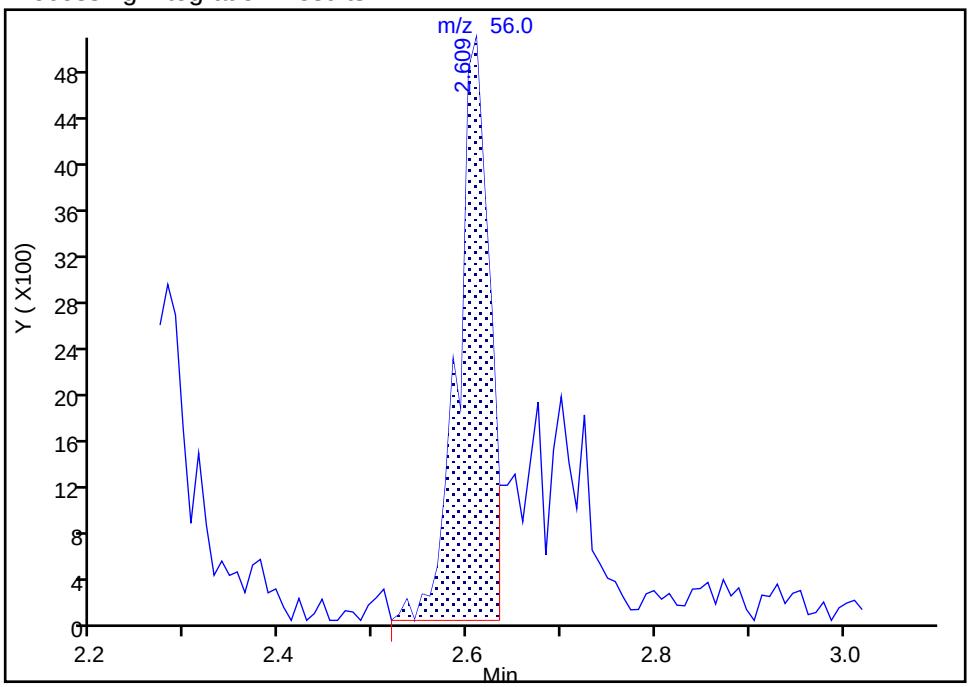
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

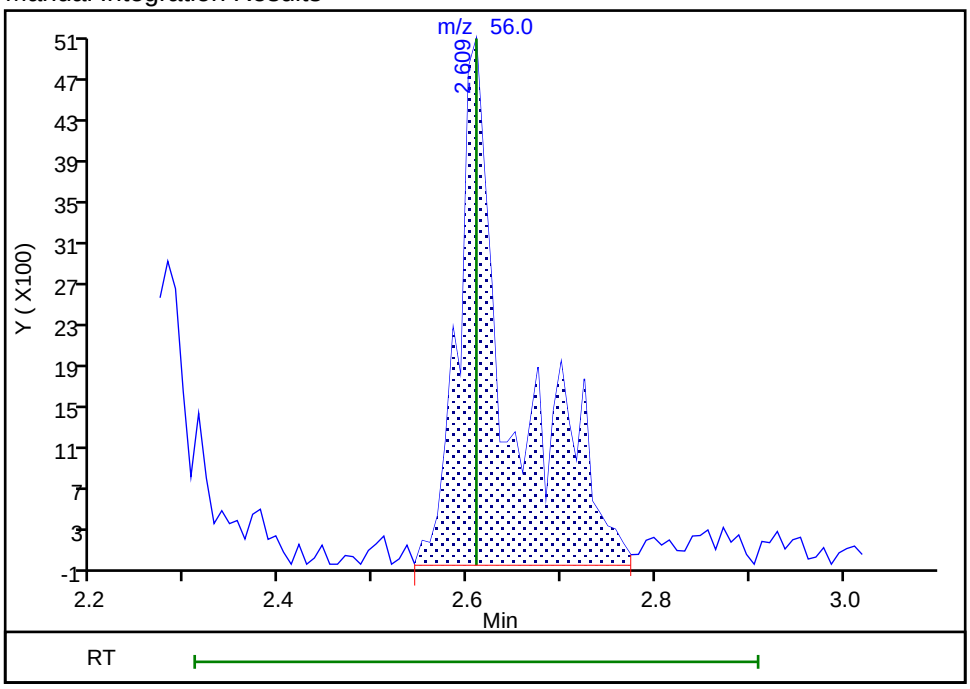
Processing Integration Results

RT: 2.61
Area: 11832
Amount: 32.095046
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 20167
Amount: 50.054021
Amount Units: ug/l



Reviewer: baronm, 10-Jul-2021 12:57:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

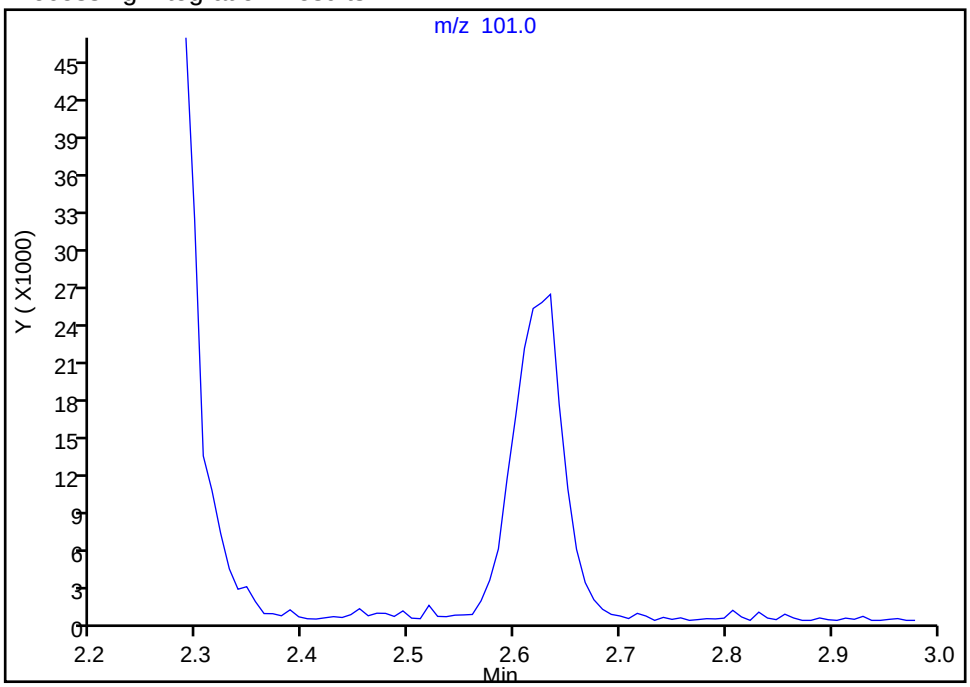
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 112TCTFE, CAS: 76-13-1

Signal: 1

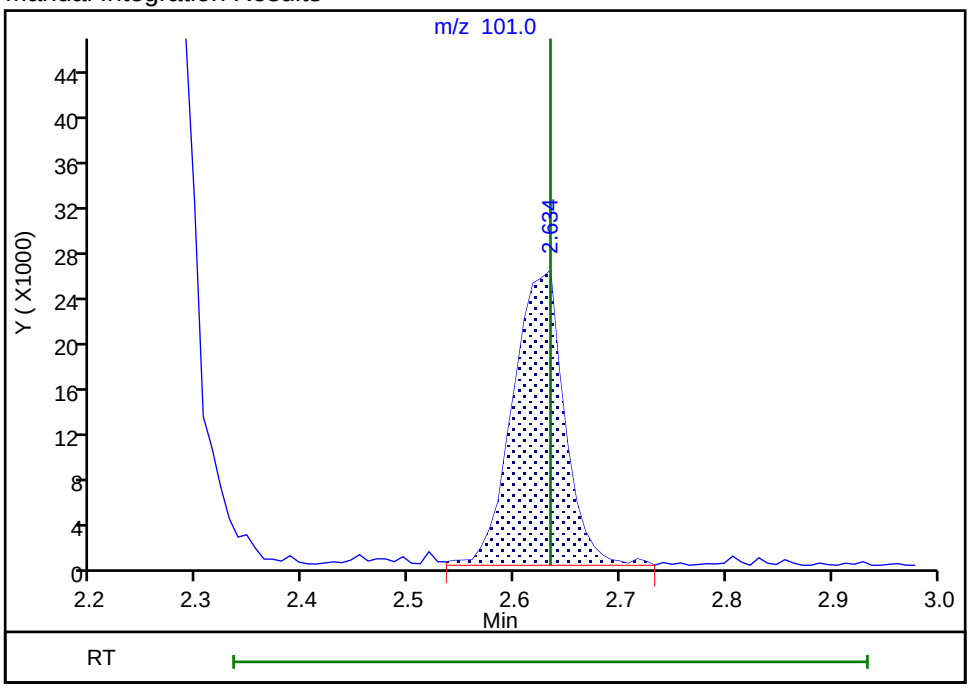
Not Detected
Expected RT: 2.63

Processing Integration Results



Manual Integration Results

RT: 2.63
Area: 87797
Amount: 20.330959
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:30:09
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

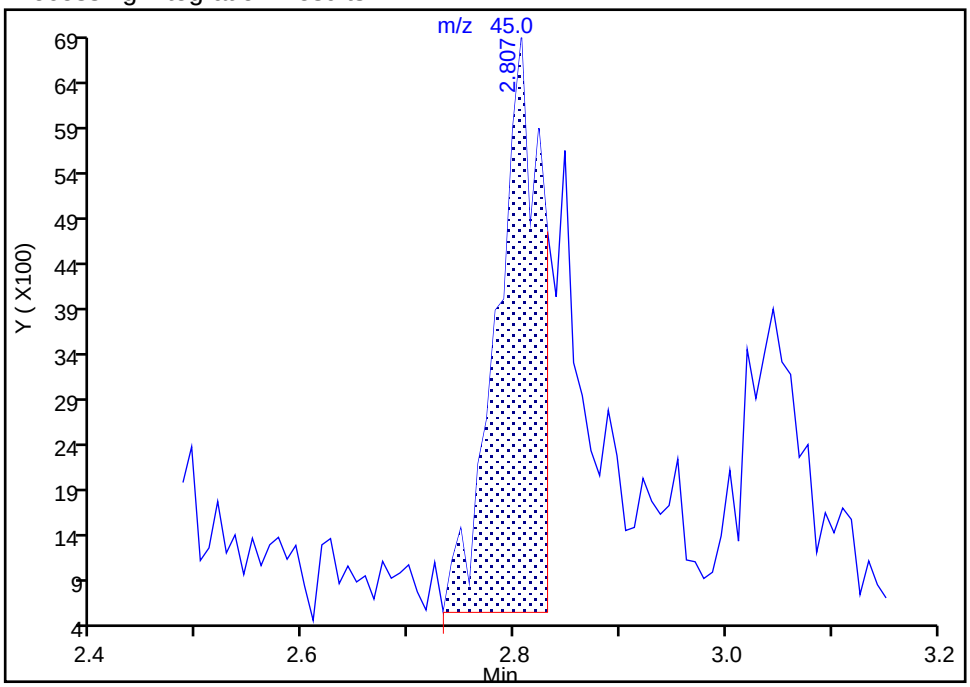
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

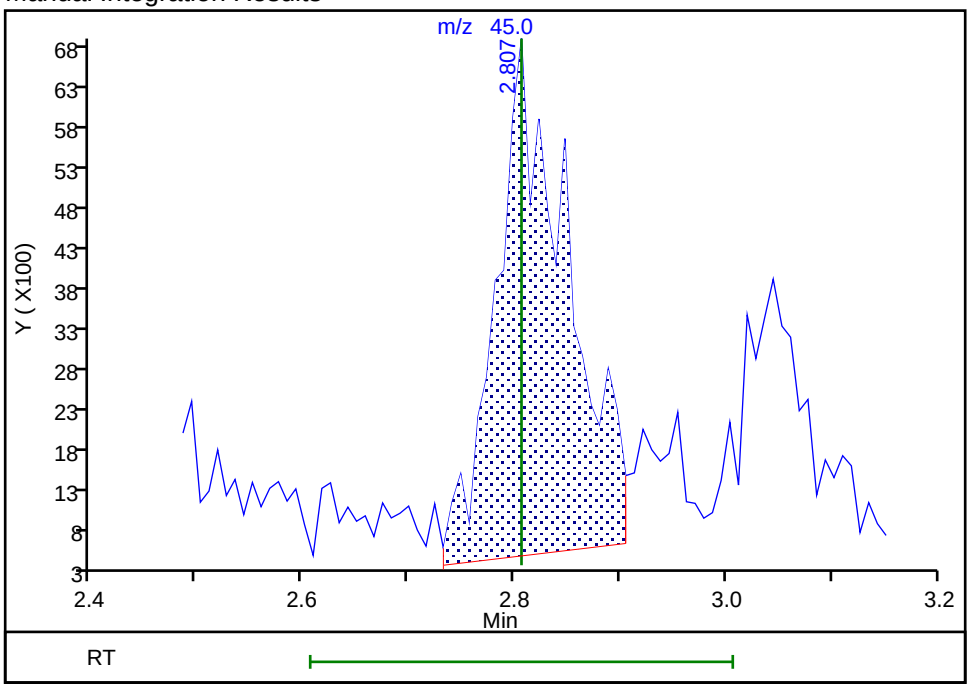
Processing Integration Results

RT: 2.81
Area: 18575
Amount: 155.0468
Amount Units: ug/l



Manual Integration Results

RT: 2.81
Area: 30162
Amount: 227.9016
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:30:56
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

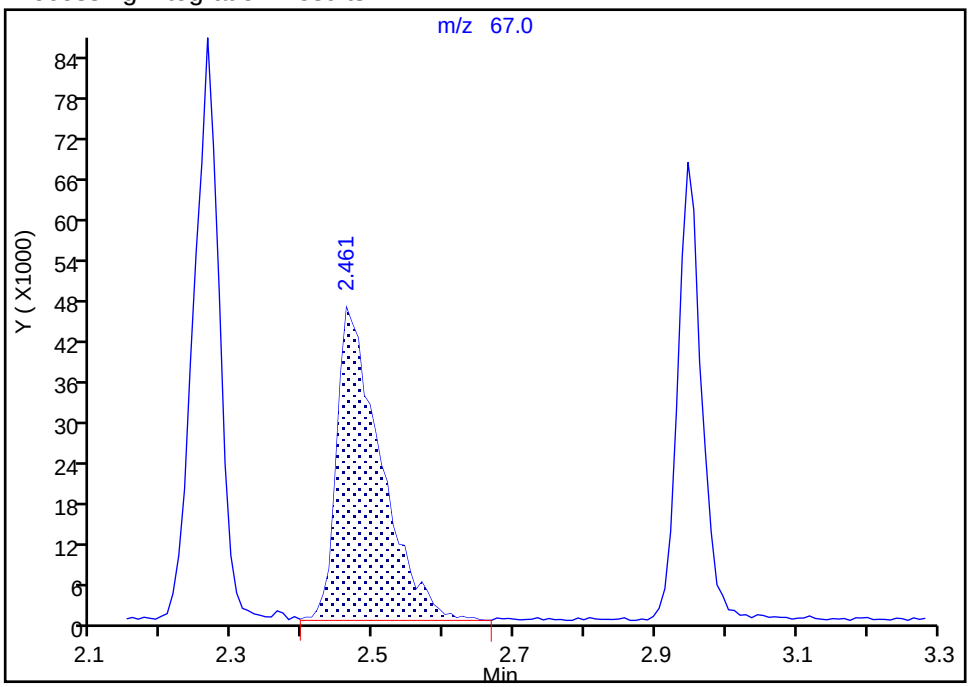
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Cyclopentene, CAS: 142-29-0

Signal: 1

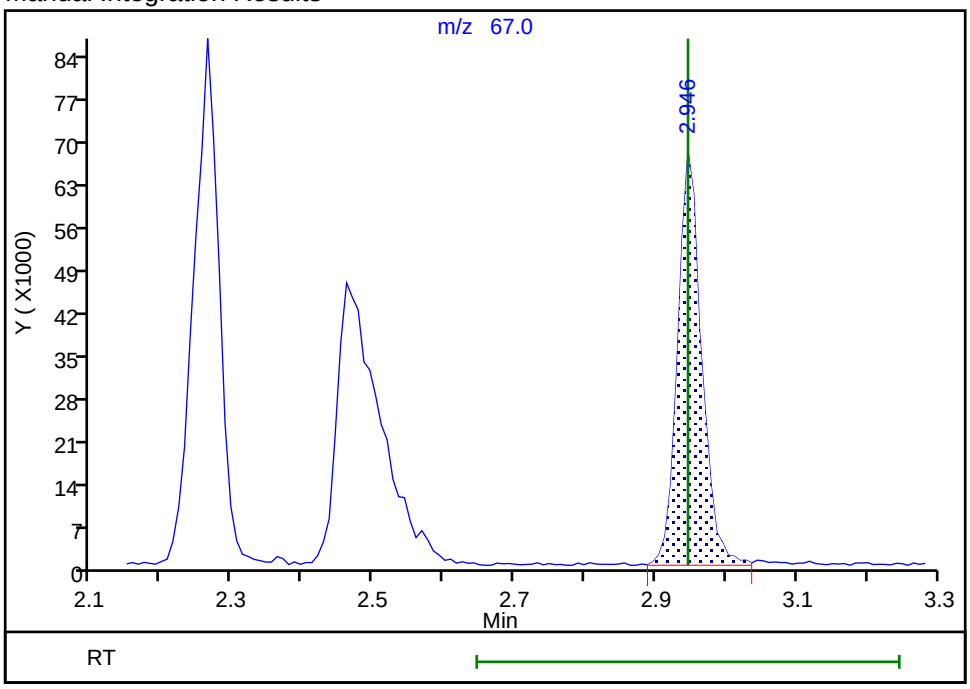
Processing Integration Results

RT: 2.46
Area: 200599
Amount: 25.155955
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 160207
Amount: 19.489725
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:38:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

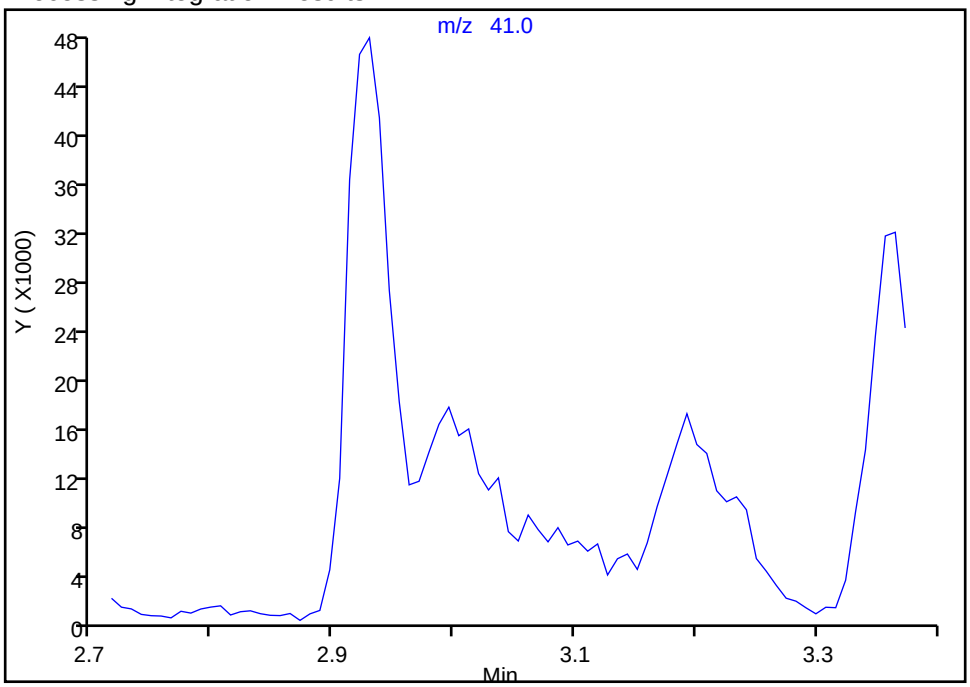
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

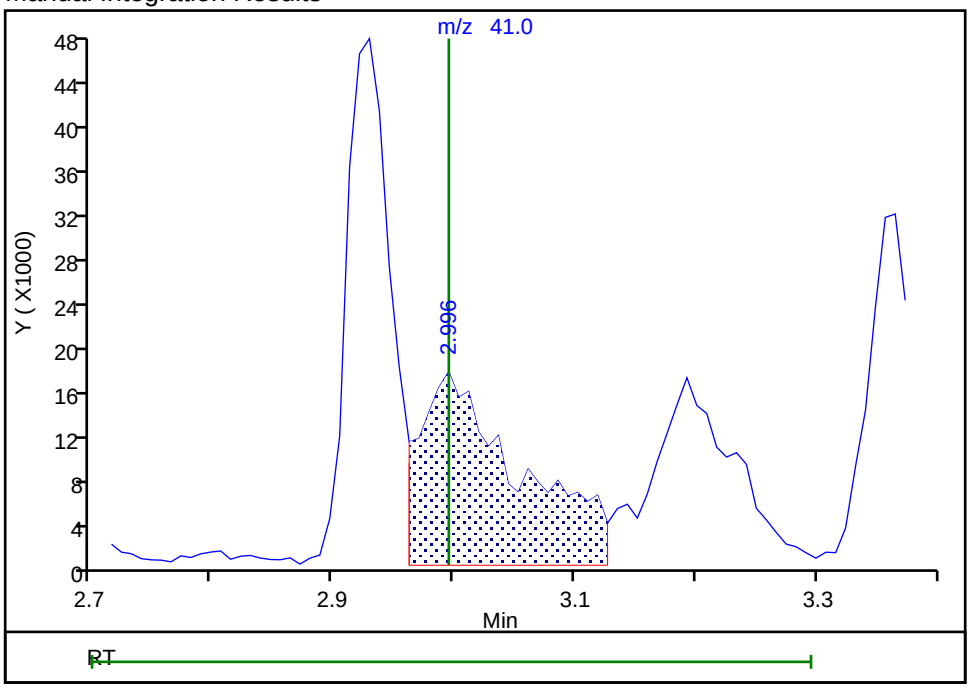
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.00
Area: 102823
Amount: 228.8707
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:50:54
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

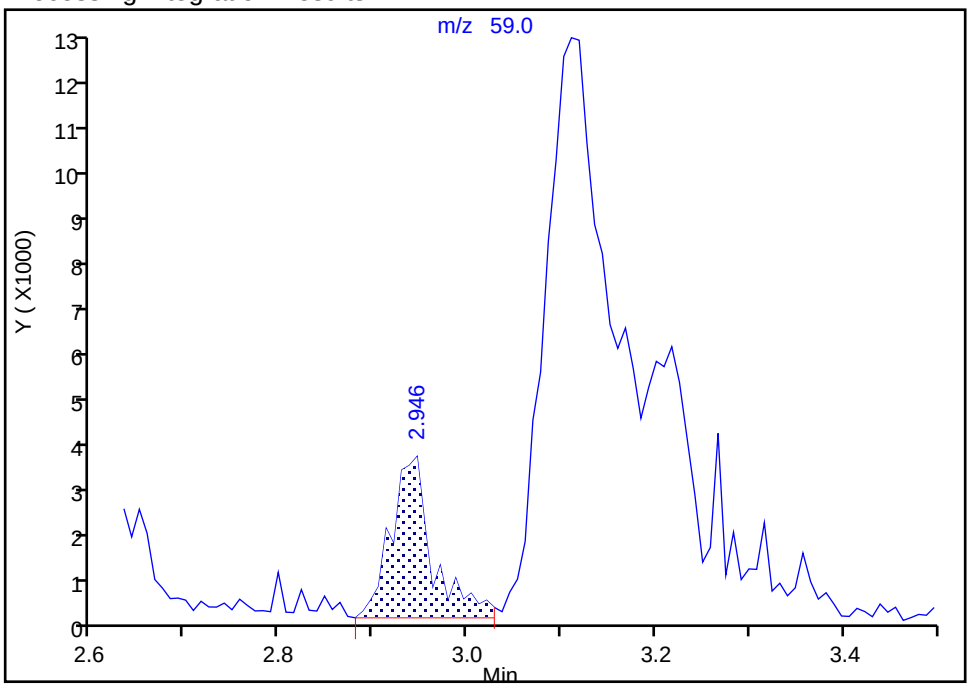
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

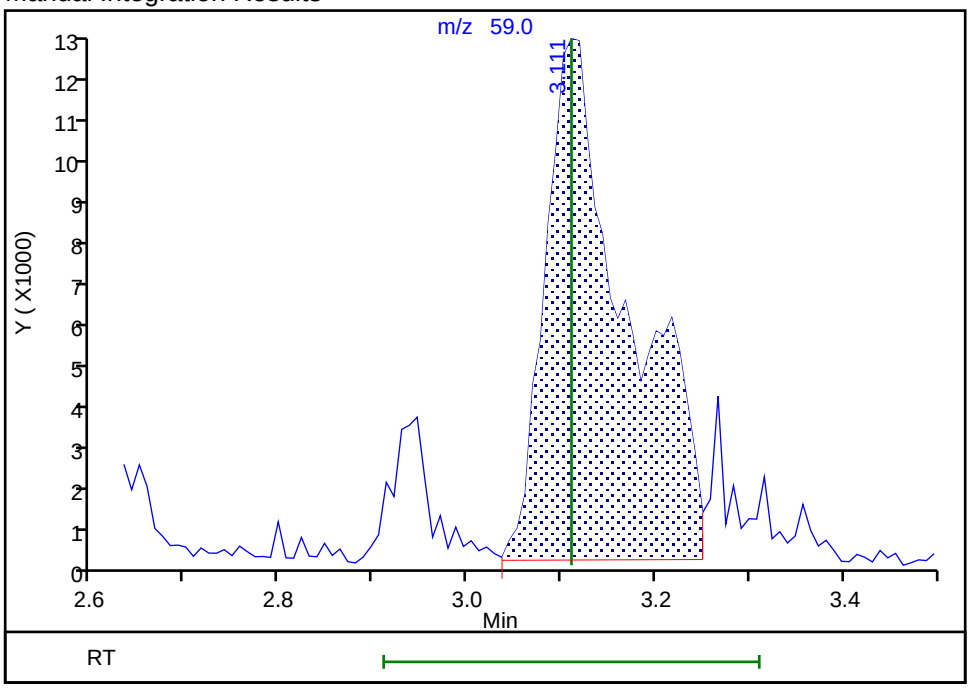
Processing Integration Results

RT: 2.95
Area: 10288
Amount: 203.4450
Amount Units: ug/l



Manual Integration Results

RT: 3.11
Area: 74410
Amount: 198.9487
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:31:06
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

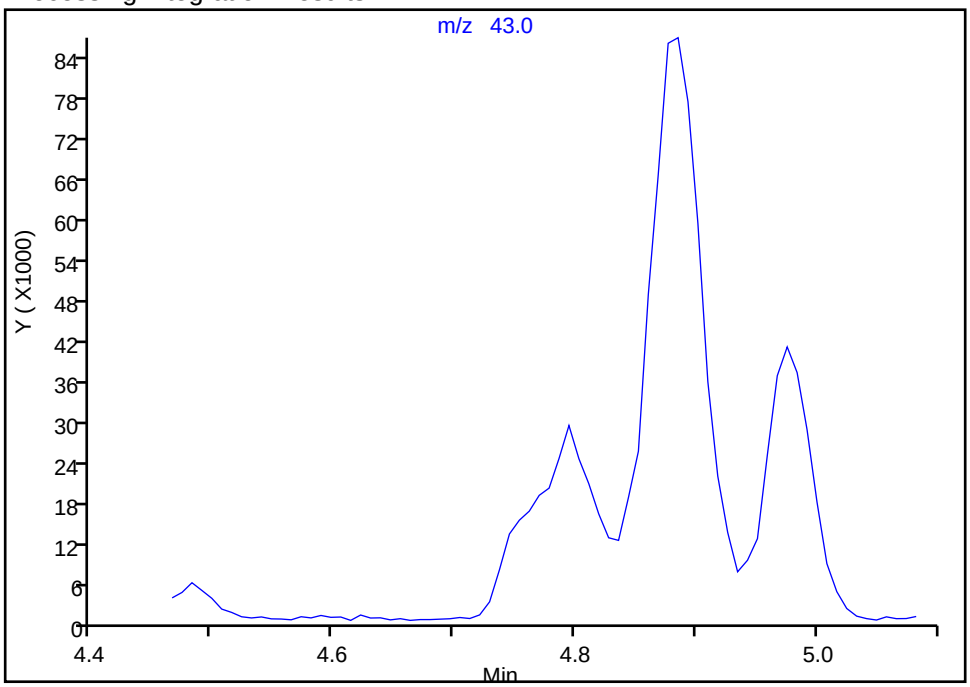
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

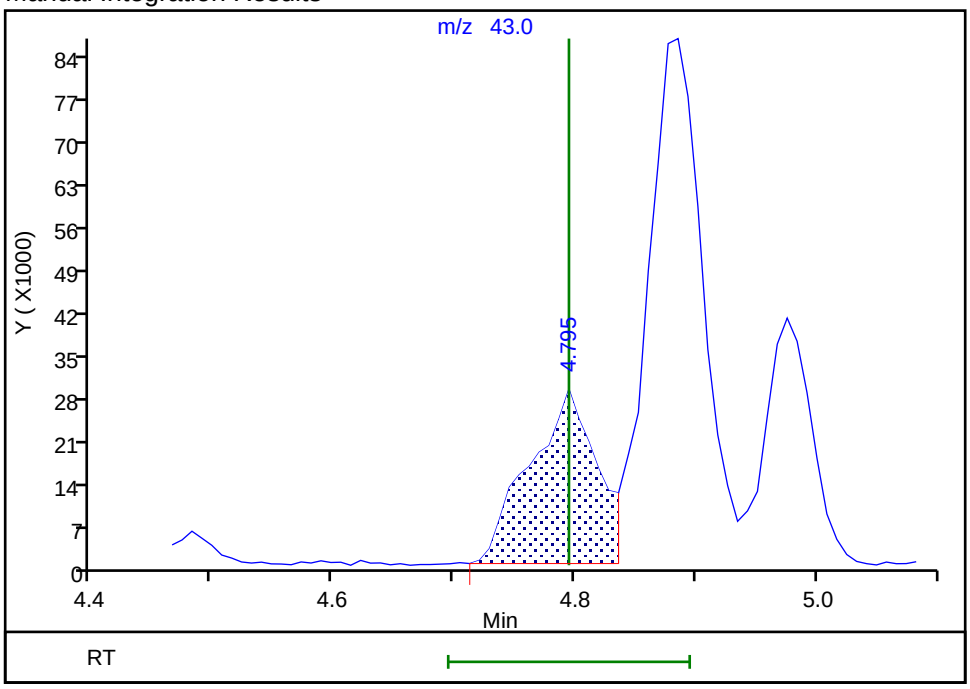
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 110983
Amount: 464.3566
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:31:27
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

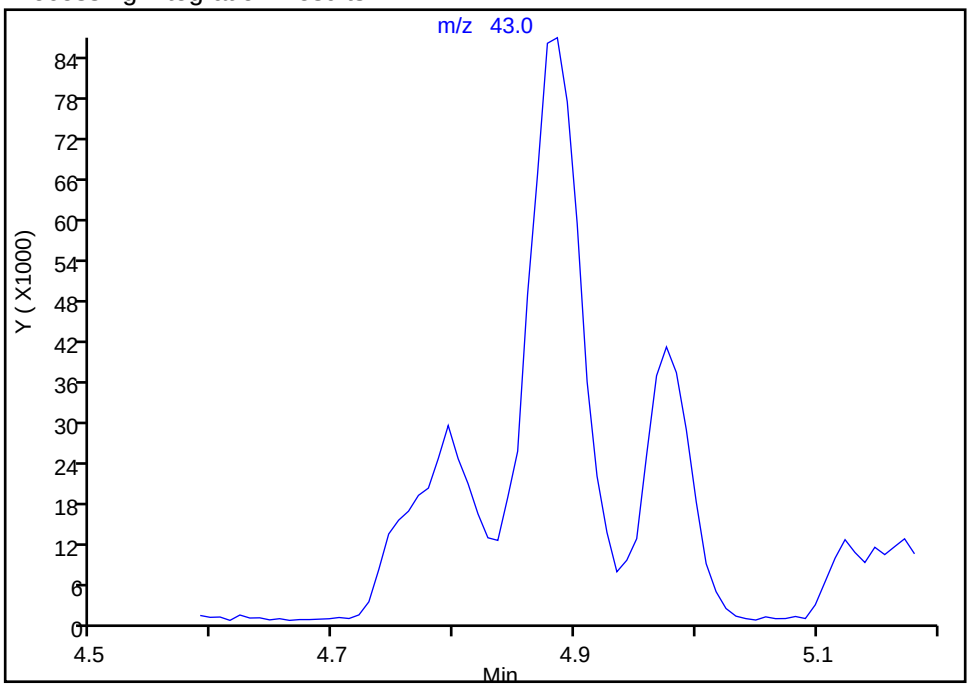
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 Isopropyl acetate, CAS: 108-21-4

Signal: 1

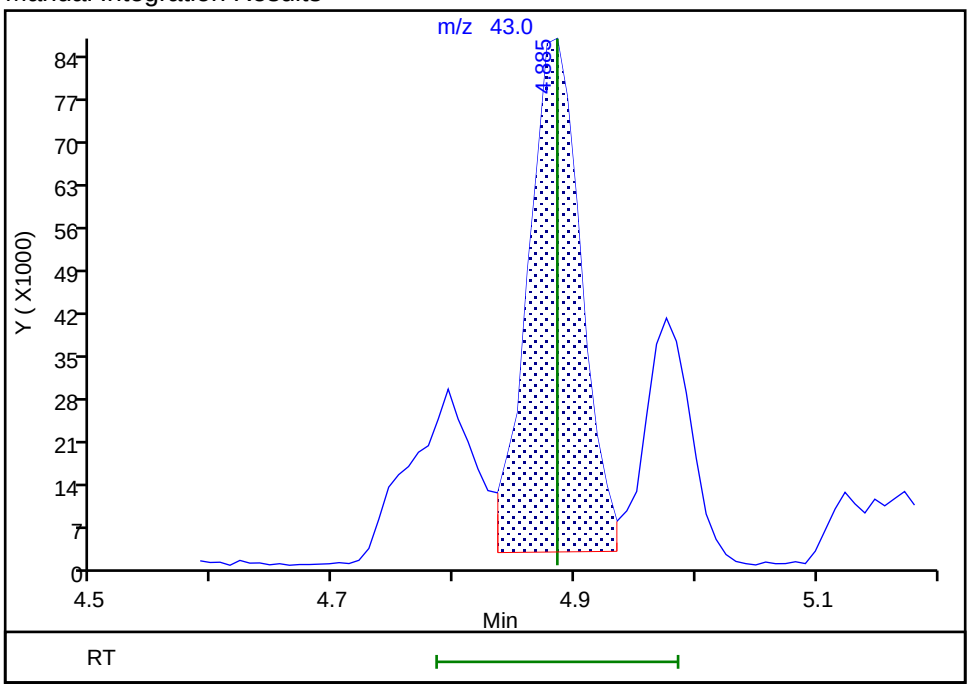
Not Detected
Expected RT: 4.89

Processing Integration Results



Manual Integration Results

RT: 4.89
Area: 258289
Amount: 23.162333
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:31:35
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

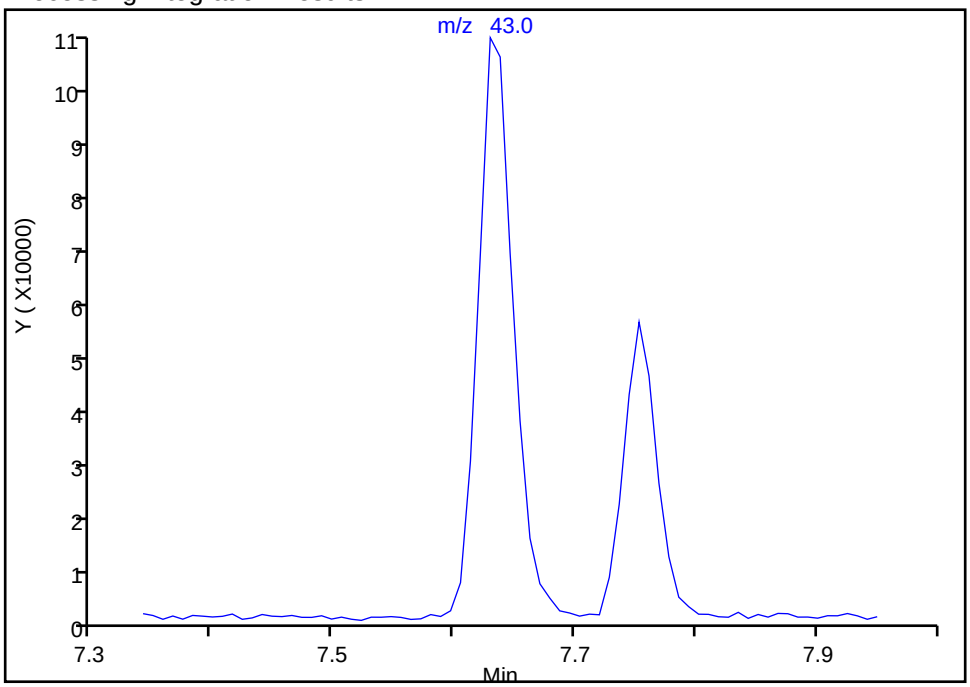
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

85 2-Hexanone, CAS: 591-78-6

Signal: 1

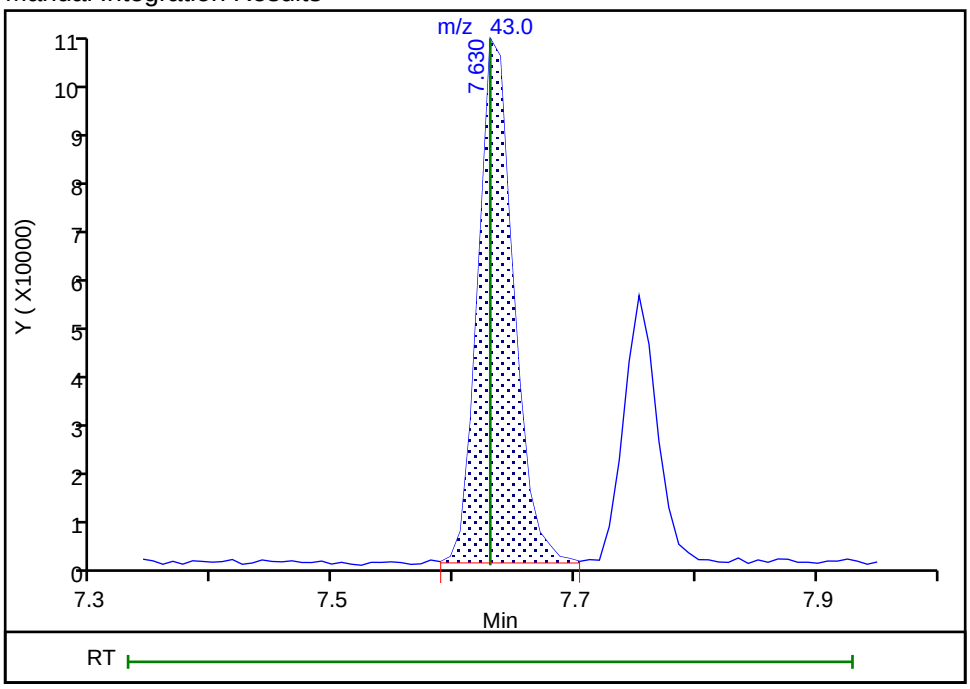
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.63
Area: 218564
Amount: 98.310445
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:32:04
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Edison

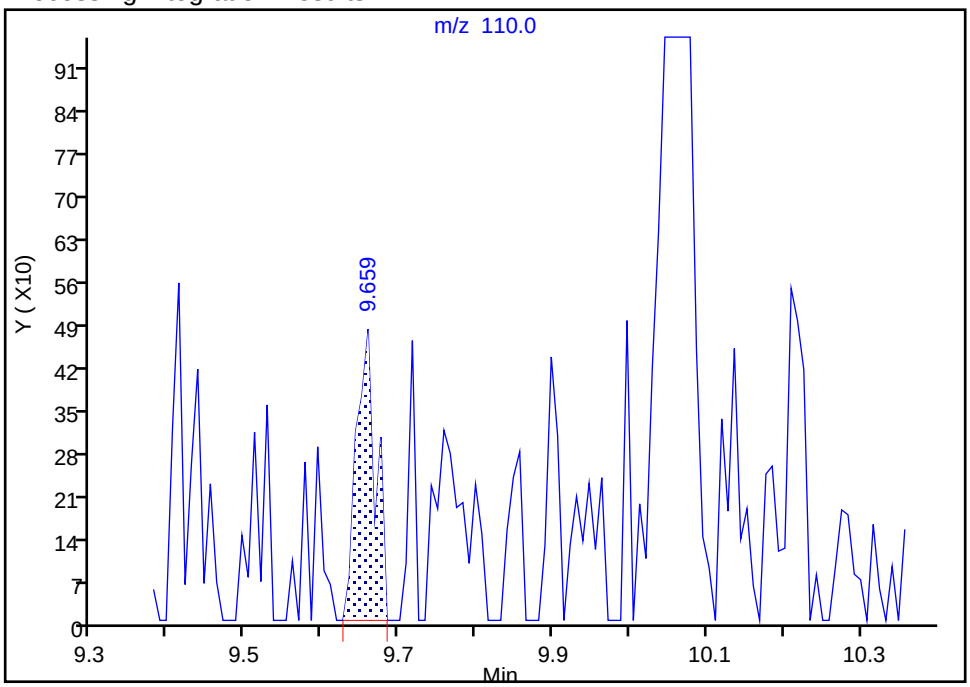
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16856.D
Injection Date: 10-Jul-2021 10:15:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

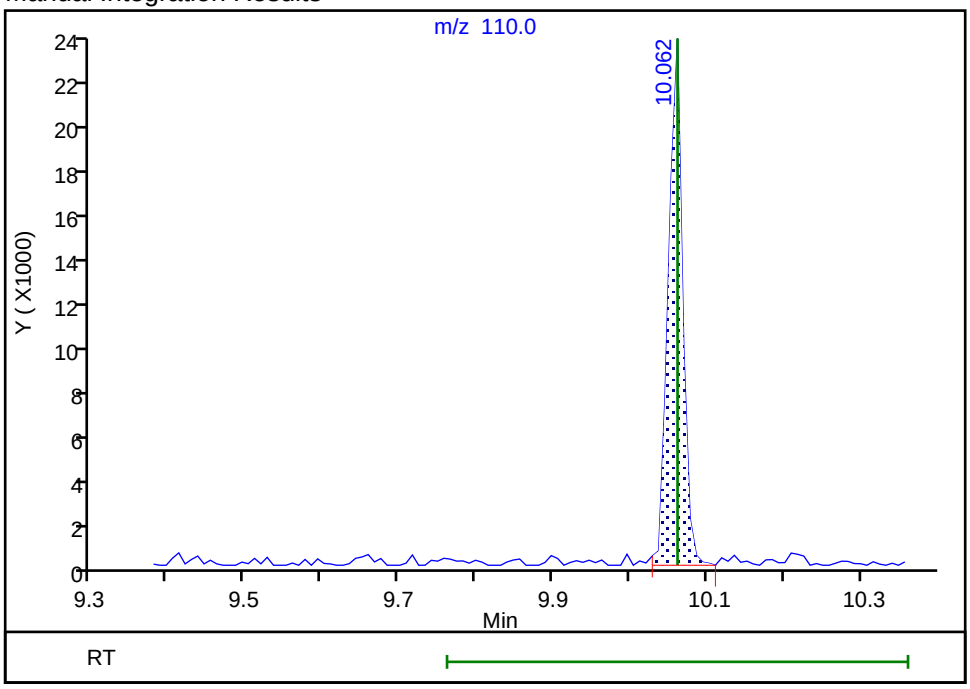
Processing Integration Results

RT: 9.66
Area: 829
Amount: 2.127231
Amount Units: ug/l



Manual Integration Results

RT: 10.06
Area: 30621
Amount: 20.755622
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:32:27
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Jul-2021 10:38:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0131608-008
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:37 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: tupayachia Date: 10-Jul-2021 11:36:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.541	1.541	0.000	79	380050	50.0	49.9	
2 Chloromethane	50	1.706	1.705	0.001	99	384217	50.0	51.5	
4 Butadiene	54	1.788	1.779	0.009	92	362897	50.0	47.1	
3 Vinyl chloride	62	1.780	1.779	0.001	91	369616	50.0	53.2	
5 Bromomethane	94	2.051	2.042	0.009	98	263974	50.0	46.1	
6 Chloroethane	64	2.092	2.092	0.000	98	206368	50.0	49.2	
7 Dichlorofluoromethane	67	2.264	2.264	0.000	98	561975	50.0	52.4	
9 Trichlorofluoromethane	101	2.273	2.272	0.001	72	477764	50.0	47.7	
8 Pentane	72	2.273	2.272	0.001	93	81660	100.0	93.7	
11 Ethyl ether	59	2.445	2.445	0.000	93	162041	50.0	49.2	
12 2-Methyl-1,3-butadiene	53	2.462	2.461	0.001	96	218629	50.0	52.9	
10 Ethanol	46	2.445	2.478	-0.033	71	31136	2000.0	2405.5	M
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.503	2.511	-0.008	95	209521	50.0	47.5	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.552	2.560	-0.008	89	275793	50.0	44.7	a
15 Acrolein	56	2.601	2.609	-0.008	31	39295	101.4	88.5	
17 1,1-Dichloroethene	96	2.642	2.634	0.008	95	177255	50.0	45.9	
16 112TCTFE	101	2.618	2.634	-0.016	78	217766	50.0	45.7	
18 Acetone	43	2.716	2.724	-0.008	83	317315	250.0	258.1	
19 Iodomethane	142	2.790	2.782	0.008	100	371776	50.0	44.7	
20 Isopropyl alcohol	45	2.807	2.807	0.001	31	71245	500.0	488.7	
21 Carbon disulfide	76	2.840	2.839	0.001	99	635087	50.0	44.4	
22 3-Chloro-1-propene	41	2.930	2.930	0.000	84	299542	50.0	42.6	a
23 Methyl acetate	43	2.938	2.938	0.000	97	259658	100.0	88.0	
24 Cyclopentene	67	2.946	2.946	0.000	93	428058	50.0	47.2	a
25 Acetonitrile	41	2.996	2.996	0.000	92	260352	500.0	525.6	a
27 Methylene Chloride	84	3.045	3.045	0.000	92	199476	50.0	45.0	
* 26 TBA-d9 (IS)	65	3.045	3.045	0.000	0	307793	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.103	3.111	-0.009	35	226341	500.0	549.4	a
29 Methyl tert-butyl ether	73	3.201	3.193	0.008	96	616204	50.0	45.6	
30 trans-1,2-Dichloroethene	96	3.218	3.217	0.001	97	178072	50.0	47.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.283	3.291	-0.008	89	635139	500.0	427.5	
32 Hexane	43	3.365	3.365	0.000	88	151637	50.0	41.8	
33 Isopropyl ether	45	3.563	3.571	-0.008	89	613996	50.0	47.7	
35 Vinyl acetate	86	3.604	3.595	0.009	99	78639	100.0	95.4	
34 1,1-Dichloroethane	63	3.596	3.595	0.001	99	324535	50.0	44.7	
36 2-Chloro-1,3-butadiene	88	3.637	3.628	0.009	97	160797	50.0	50.4	
37 Tert-butyl ethyl ether	59	3.867	3.858	0.009	88	639476	50.0	48.5	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	323821	250.0	250.0	
39 2,2-Dichloropropane	97	4.072	4.080	-0.008	91	71065	50.0	46.8	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	91	201463	50.0	46.0	
41 2-Butanone (MEK)	72	4.089	4.088	0.001	95	84345	250.0	239.9	
42 Ethyl acetate	70	4.089	4.097	-0.008	93	34759	100.0	109.0	M
43 Methyl acrylate	55	4.146	4.154	-0.008	98	135078	50.0	46.6	
44 Propionitrile	54	4.228	4.220	0.008	94	235302	500.0	536.4	
45 Chlorobromomethane	128	4.302	4.302	0.000	83	110242	50.0	49.4	
46 Tetrahydrofuran	72	4.302	4.310	-0.008	57	46608	100.0	93.3	
47 Methacrylonitrile	67	4.319	4.318	0.001	93	675312	500.0	481.5	
48 Chloroform	83	4.351	4.351	0.000	96	356030	50.0	46.4	
49 Cyclohexane	84	4.491	4.483	0.008	89	305193	50.0	45.4	
50 1,1,1-Trichloroethane	97	4.499	4.499	0.000	98	367948	50.0	45.5	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.499	0.000	91	154767	50.0	49.4	
52 Carbon tetrachloride	117	4.606	4.614	-0.008	95	312706	50.0	45.9	
53 1,1-Dichloropropene	75	4.639	4.631	0.008	87	238350	50.0	44.7	
54 Isobutyl alcohol	43	4.803	4.795	0.008	52	307018	1250.0	1171.6	
55 Benzene	78	4.820	4.820	0.000	97	663436	50.0	46.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.836	0.000	0	237492	50.0	48.5	
57 Isopropyl acetate	43	4.886	4.885	0.001	89	569673	50.0	46.3	
58 Tert-amyl methyl ether	73	4.886	4.885	0.001	84	638681	50.0	45.4	
59 1,2-Dichloroethane	62	4.910	4.910	0.000	97	328157	50.0	44.4	
60 n-Heptane	57	4.984	4.976	0.008	85	129328	50.0	49.1	
* 61 Fluorobenzene	96	5.099	5.099	0.000	98	532771	50.0	50.0	
62 n-Butanol	56	5.395	5.395	0.000	89	86117	1250.0	1288.4	
63 Trichloroethene	95	5.444	5.444	0.000	94	166833	50.0	43.6	
64 Ethyl acrylate	55	5.568	5.567	0.001	97	459405	50.0	46.8	
65 Methylcyclohexane	83	5.568	5.567	0.001	85	324960	50.0	45.4	
66 1,2-Dichloropropane	63	5.724	5.724	0.000	79	156292	50.0	44.4	
* 67 1,4-Dioxane-d8	96	5.781	5.773	0.008	0	28120	1000.0	1000.0	
68 Methyl methacrylate	100	5.798	5.797	0.001	89	92977	100.0	87.6	
69 1,4-Dioxane	88	5.831	5.847	-0.016	34	31958	1000.0	1165.0	
70 Dibromomethane	93	5.847	5.855	-0.008	71	111132	50.0	45.5	
71 n-Propyl acetate	43	5.855	5.855	0.000	97	244392	50.0	50.6	
72 Dichlorobromomethane	83	5.995	5.995	0.000	97	252767	50.0	47.2	
73 2-Nitropropane	41	6.324	6.323	0.001	89	162235	100.0	96.6	
74 2-Chloroethyl vinyl ether	63	6.332	6.332	0.000	61	83737	50.1	48.1	
75 Epichlorohydrin	57	6.430	6.430	0.000	99	290925	1000.0	967.8	
76 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	91	225051	50.0	45.9	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.652	0.000	98	988614	250.0	242.1	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	98	536190	50.0	50.3	
79 Toluene	91	6.808	6.800	0.008	94	737412	50.0	46.8	
80 trans-1,3-Dichloropropene	75	7.145	7.145	0.000	96	215013	50.0	45.8	
81 Ethyl methacrylate	69	7.186	7.186	0.000	96	215369	50.0	49.8	
82 1,1,2-Trichloroethane	83	7.359	7.359	0.000	89	116386	50.0	48.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.408	7.408	0.000	95	193970	50.0	44.9	
84 1,3-Dichloropropane	76	7.564	7.564	0.000	94	236313	50.0	47.3	
85 2-Hexanone	43	7.630	7.630	0.000	96	573038	250.0	223.4	
86 n-Butyl acetate	43	7.753	7.753	0.000	96	280824	50.0	48.1	
87 Chlorodibromomethane	129	7.794	7.794	0.000	96	168494	50.0	48.8	
88 Ethylene Dibromide	107	7.942	7.950	-0.008	98	147922	50.0	50.7	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	90	414363	50.0	50.0	
90 Chlorobenzene	112	8.526	8.525	0.001	93	479746	50.0	45.5	
91 Ethylbenzene	106	8.632	8.632	0.000	99	276647	50.0	47.4	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.649	0.000	89	222011	50.0	48.1	
93 m-Xylene & p-Xylene	106	8.789	8.797	-0.008	0	341597	50.0	47.0	
94 n-Butyl acrylate	73	9.282	9.281	0.001	94	146987	50.0	49.1	
95 o-Xylene	106	9.290	9.290	0.000	93	373586	50.0	49.0	
96 Styrene	104	9.323	9.323	0.000	92	582250	50.0	47.4	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	88	429407	50.0	45.2	
98 Bromoform	173	9.536	9.536	0.000	93	109571	50.0	47.9	
99 Isopropylbenzene	105	9.668	9.668	0.000	97	1005966	50.0	46.7	
$ 100 4-Bromofluorobenzene	174	9.857	9.848	0.009	89	192010	50.0	50.1	
101 Bromobenzene	156	9.972	9.972	0.000	91	236034	50.0	46.8	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	95	201028	50.0	47.0	
103 N-Propylbenzene	91	10.046	10.046	0.000	99	1167097	50.0	46.0	
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	94	70662	50.0	43.3	
105 trans-1,4-Dichloro-2-butene	53	10.079	10.078	0.001	69	25911	50.0	51.0	
106 2-Chlorotoluene	91	10.136	10.136	0.000	97	797400	50.0	44.7	
107 4-Ethyltoluene	105	10.144	10.144	0.000	97	1005091	50.0	46.3	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	92	874439	50.0	46.9	
109 4-Chlorotoluene	91	10.235	10.235	0.000	98	692796	50.0	44.8	
110 Butyl Methacrylate	87	10.292	10.292	0.000	94	282540	50.0	48.3	
111 tert-Butylbenzene	119	10.448	10.448	0.000	94	697389	50.0	45.7	
112 1,2,4-Trimethylbenzene	105	10.498	10.498	0.000	99	915088	50.0	47.8	
113 sec-Butylbenzene	105	10.613	10.613	0.000	98	1140650	50.0	48.9	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	92	511414	50.0	44.1	
114 4-Isopropyltoluene	119	10.720	10.719	0.001	97	1046573	50.0	47.8	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	96	288237	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	94	503025	50.0	44.5	
118 1,2,3-Trimethylbenzene	105	10.802	10.802	0.000	99	1004569	50.0	49.6	
119 Benzyl chloride	91	10.884	10.884	0.000	97	545290	50.0	45.8	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	93	976651	50.0	47.7	
121 p-Diethylbenzene	119	10.974	10.974	0.000	93	539615	50.0	43.7	
122 n-Butylbenzene	92	10.991	10.991	0.000	97	527793	50.0	44.6	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	95	523390	50.0	43.8	
124 1,2,4,5-Tetramethylbenzene	119	11.459	11.459	0.000	97	1051168	50.0	49.3	
125 1,2-Dibromo-3-Chloropropane	157	11.533	11.525	0.008	92	57732	50.0	46.6	
126 1,3,5-Trichlorobenzene	180	11.615	11.607	0.008	95	446678	50.0	45.1	
127 1,2,4-Trichlorobenzene	180	11.993	11.993	0.000	93	427635	50.0	46.8	
128 Hexachlorobutadiene	225	12.059	12.059	0.000	90	172940	50.0	46.5	
129 Naphthalene	128	12.158	12.149	0.009	98	972978	50.0	49.4	
130 1,2,3-Trichlorobenzene	180	12.314	12.305	0.009	94	381786	50.0	47.5	
S 131 1,2-Dichloroethene, Total	100				0		100.0	93.4	
S 133 Total BTEX	1				0		250.0	236.7	
S 132 Xylenes, Total	100				0		100.0	96.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00428	Amount Added:	50.00	Units: uL	
ACROLEIN W_00128	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	50.00	Units: uL	
524freon_00039	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2021 21:51:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D

Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6 Operator ID:

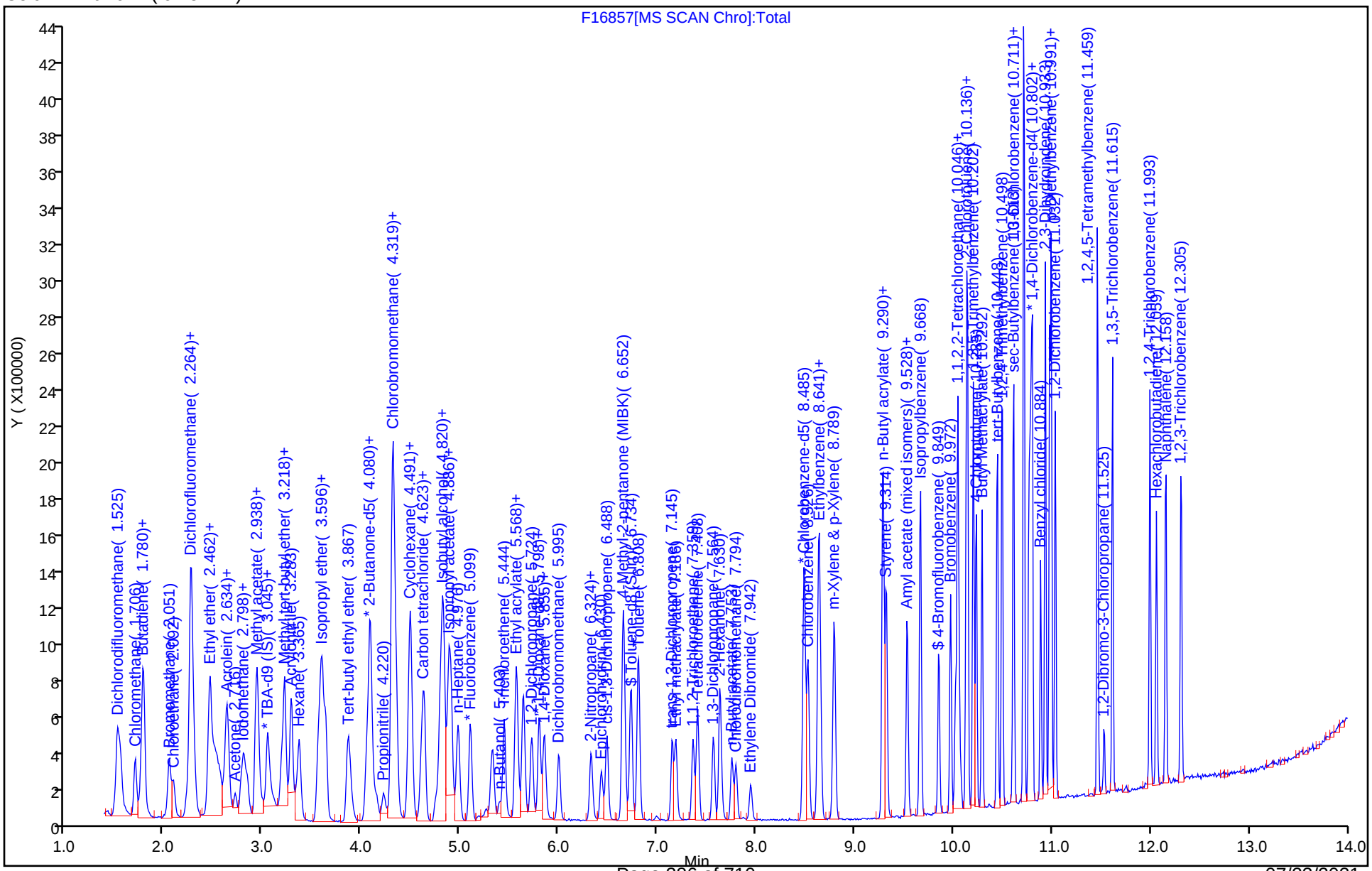
Lims ID: STD50 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

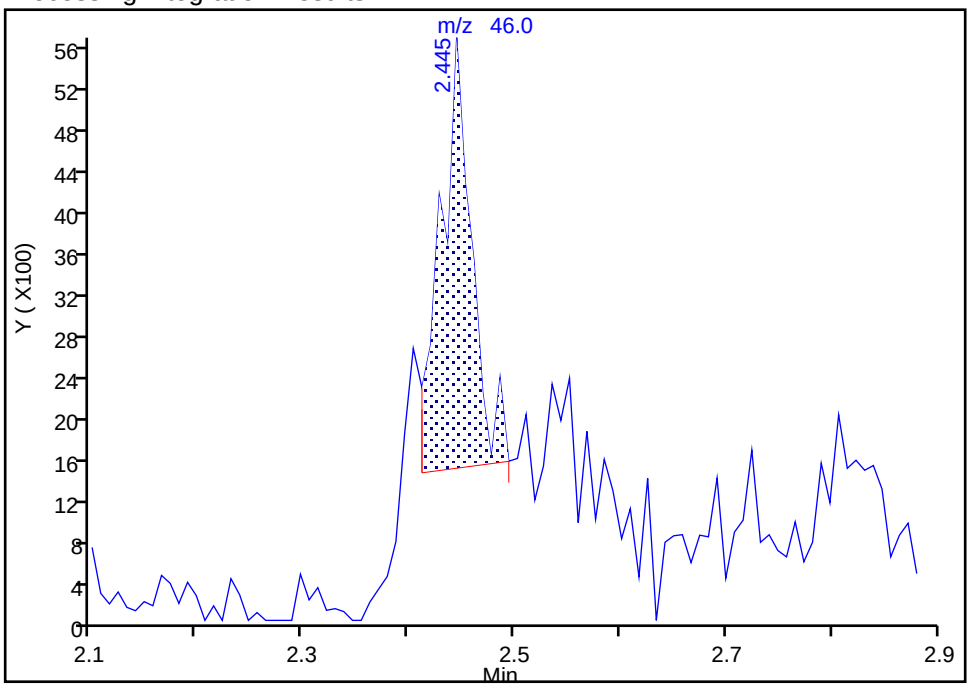
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Ethanol, CAS: 64-17-5

Signal: 1

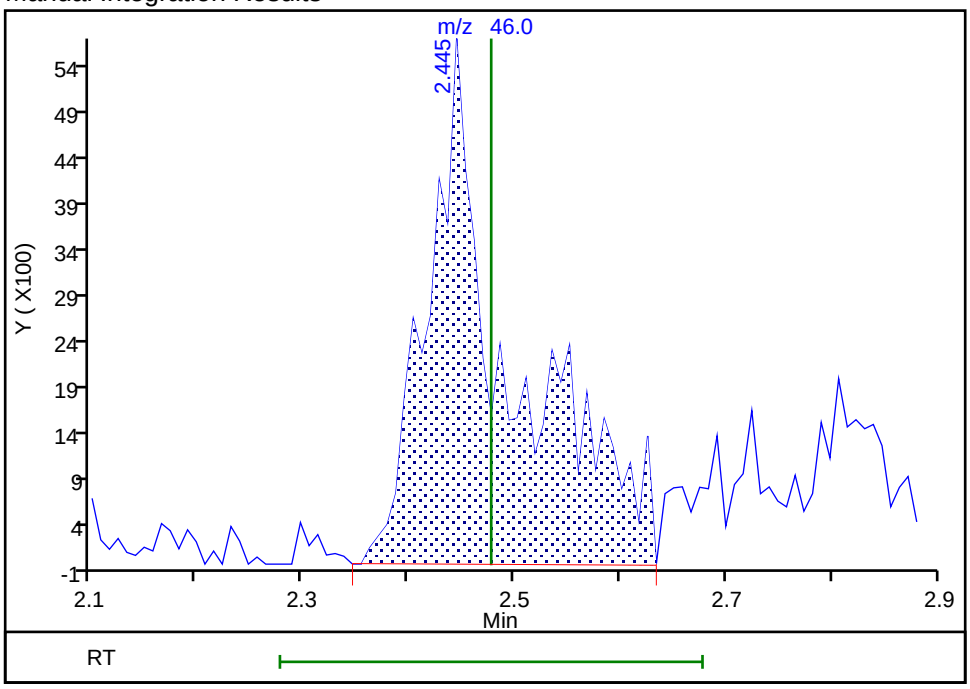
Processing Integration Results

RT: 2.45
Area: 8584
Amount: 896.9491
Amount Units: ug/l



Manual Integration Results

RT: 2.45
Area: 31136
Amount: 2405.4982
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:52:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

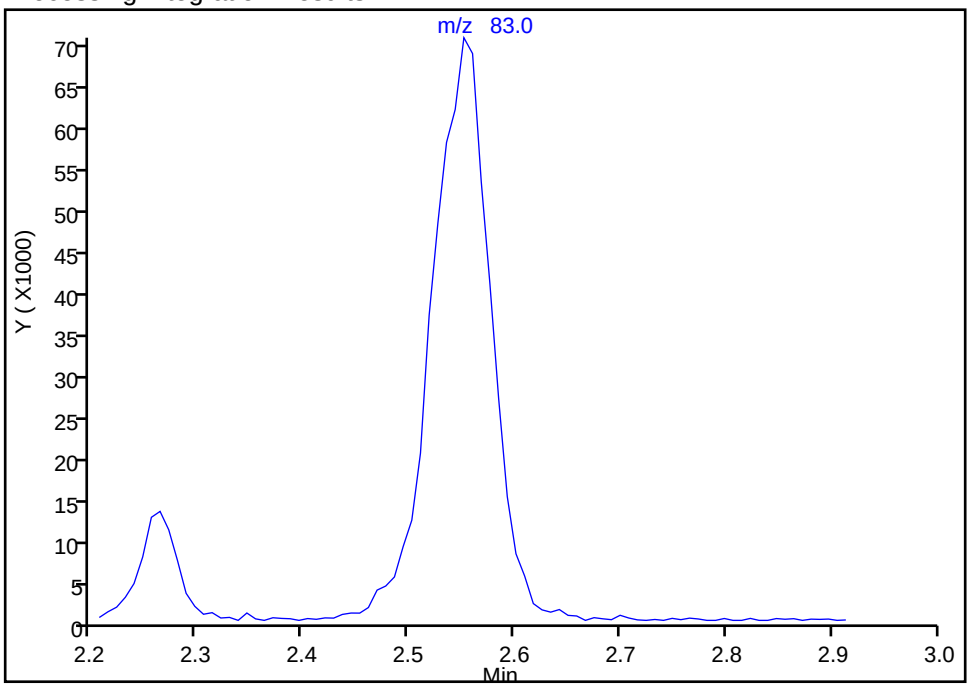
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

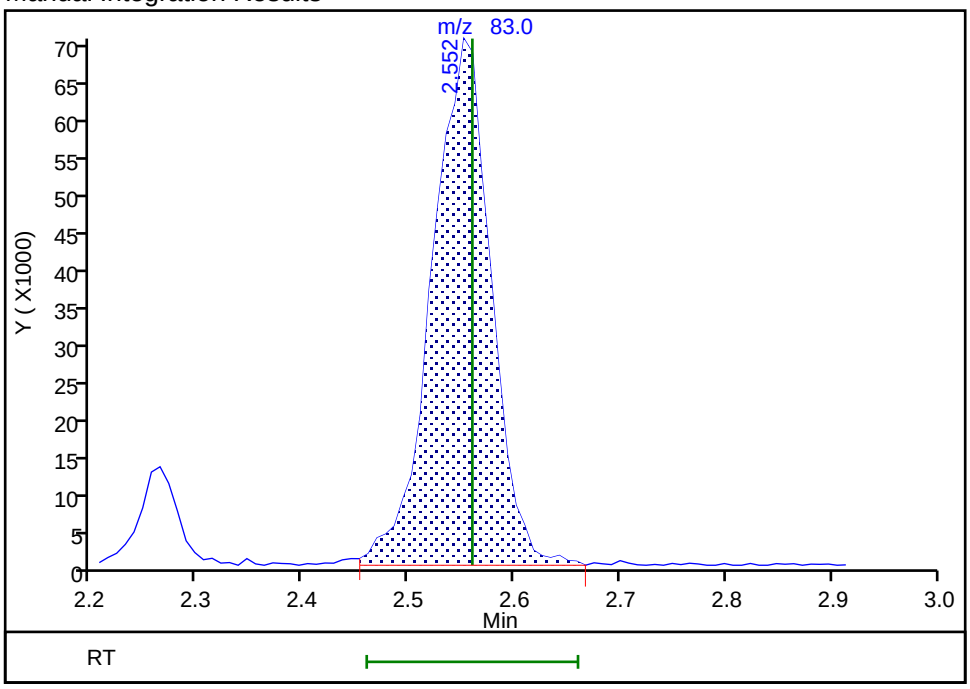
Not Detected
Expected RT: 2.56

Processing Integration Results



Manual Integration Results

RT: 2.55
Area: 275793
Amount: 44.686926
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:34:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

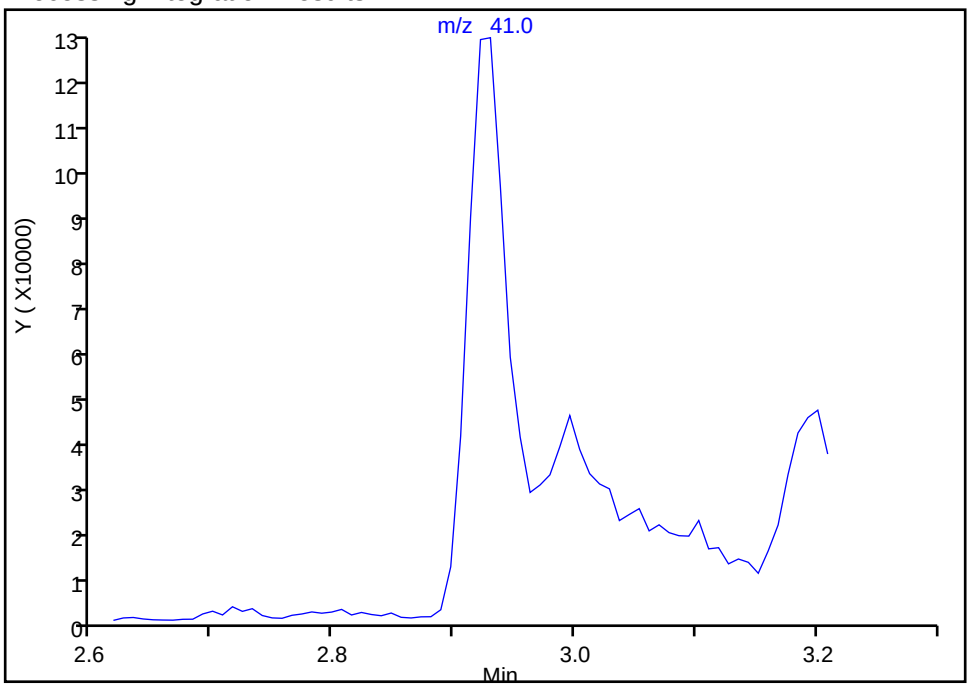
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

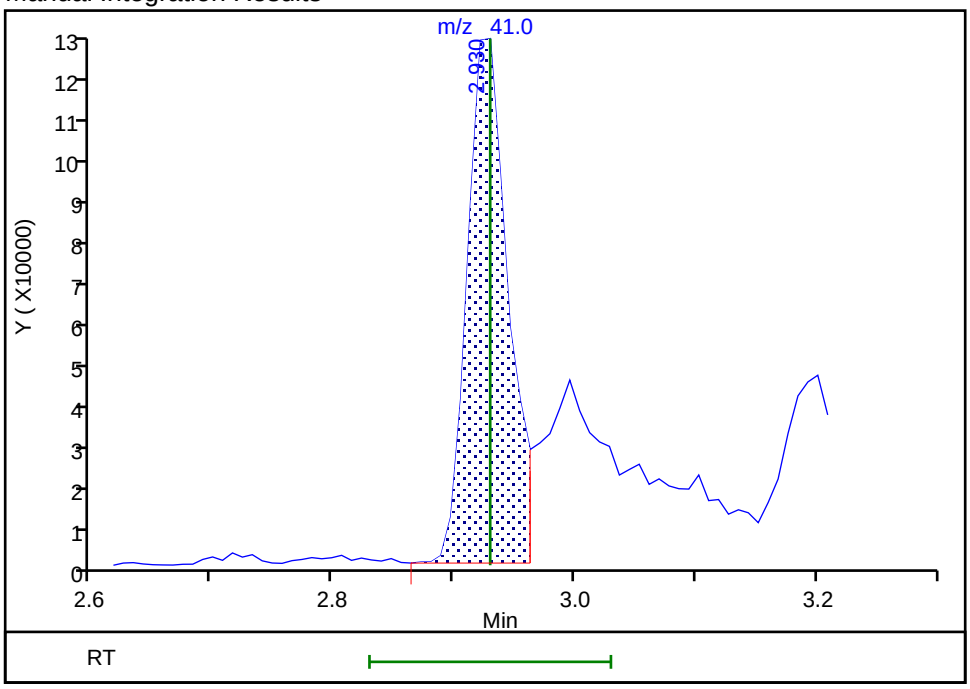
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93
Area: 299542
Amount: 42.562132
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:34:40
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

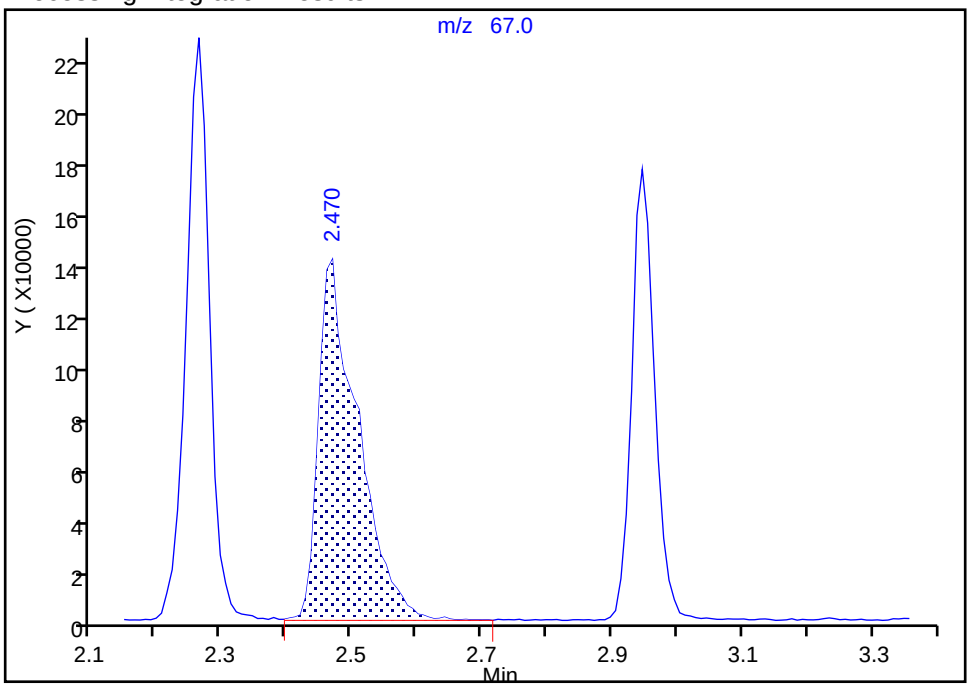
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Cyclopentene, CAS: 142-29-0

Signal: 1

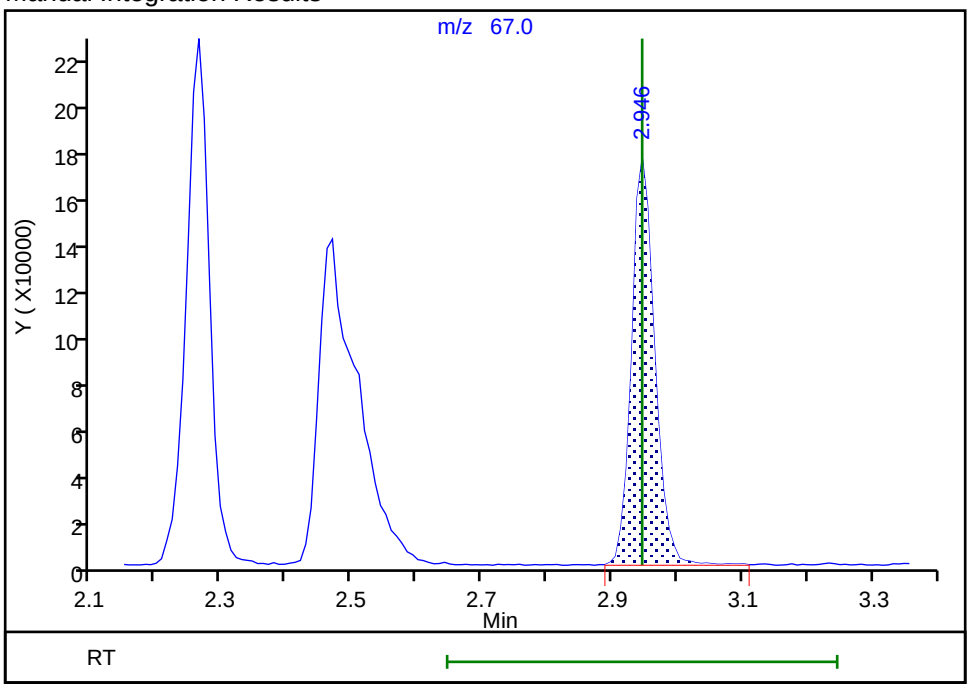
Processing Integration Results

RT: 2.47
Area: 585313
Amount: 63.852880
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 428058
Amount: 47.223228
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:38:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

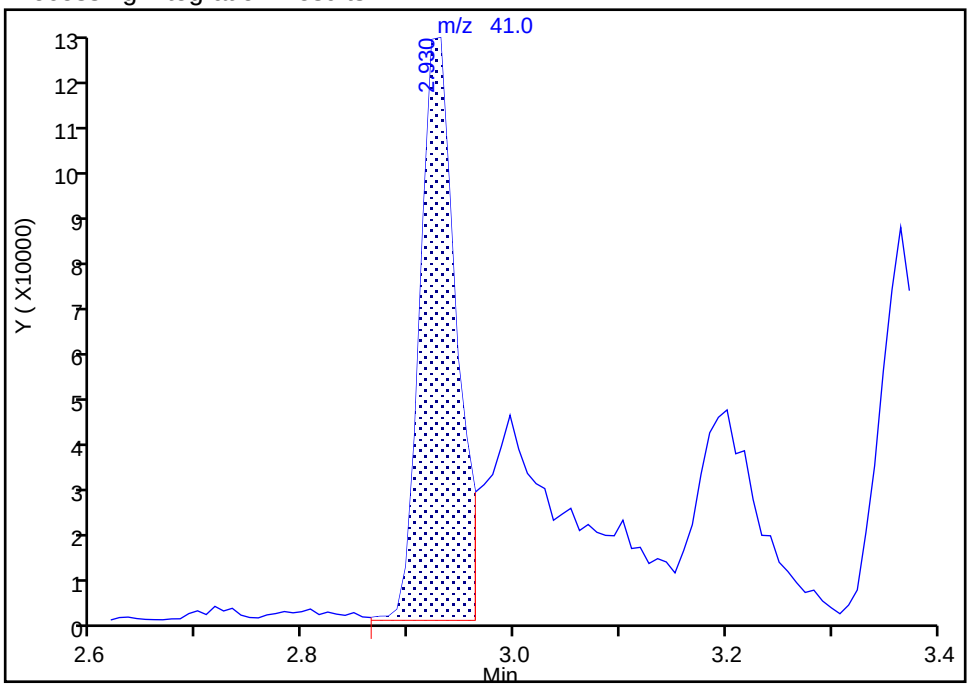
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

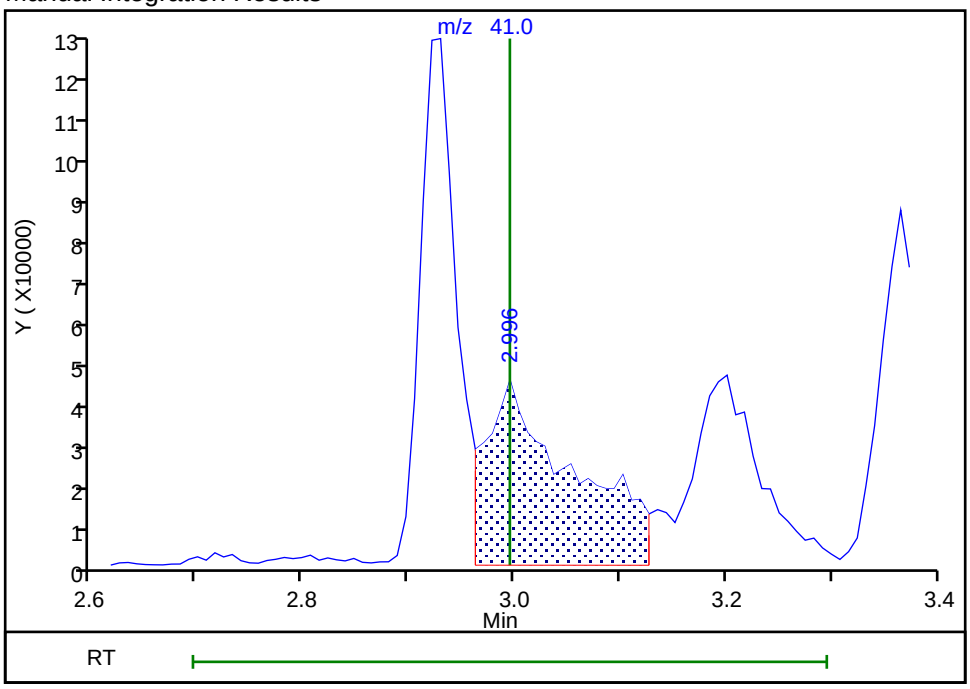
Processing Integration Results

RT: 2.93
Area: 303381
Amount: 478.1724
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 260352
Amount: 525.6140
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:52:19
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

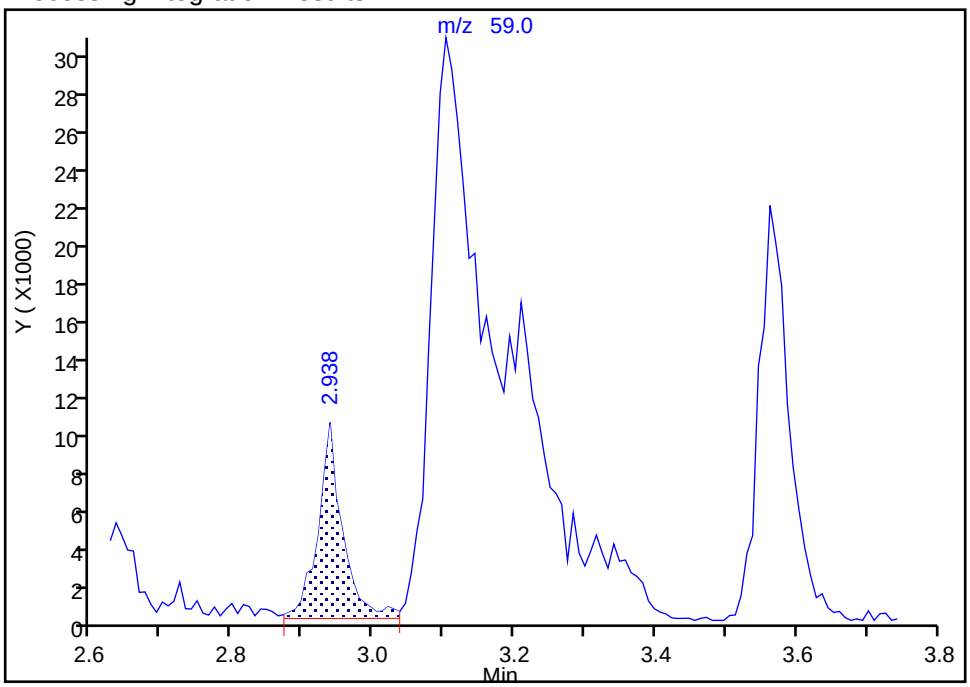
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

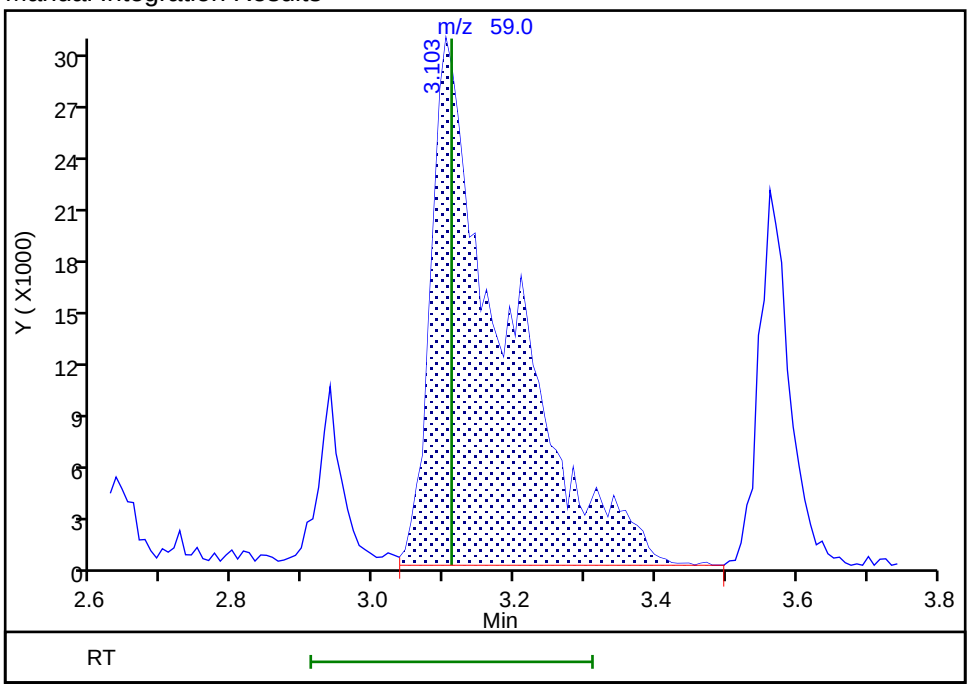
Processing Integration Results

RT: 2.94
Area: 25051
Amount: 148.1715
Amount Units: ug/l



Manual Integration Results

RT: 3.10
Area: 226341
Amount: 549.4338
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:34:51
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Edison

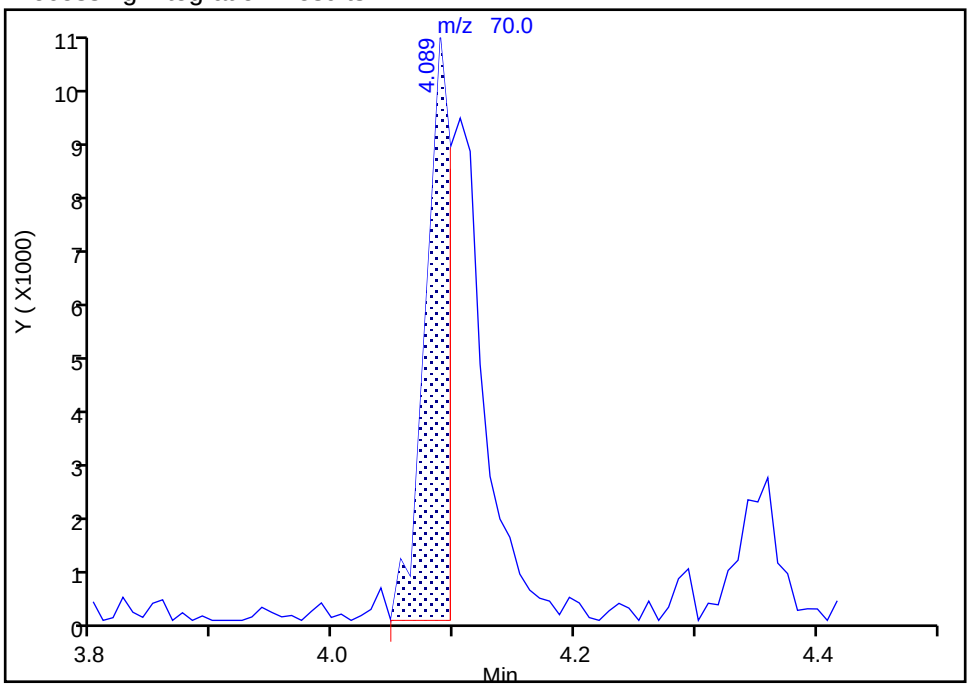
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16857.D
Injection Date: 10-Jul-2021 10:38:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

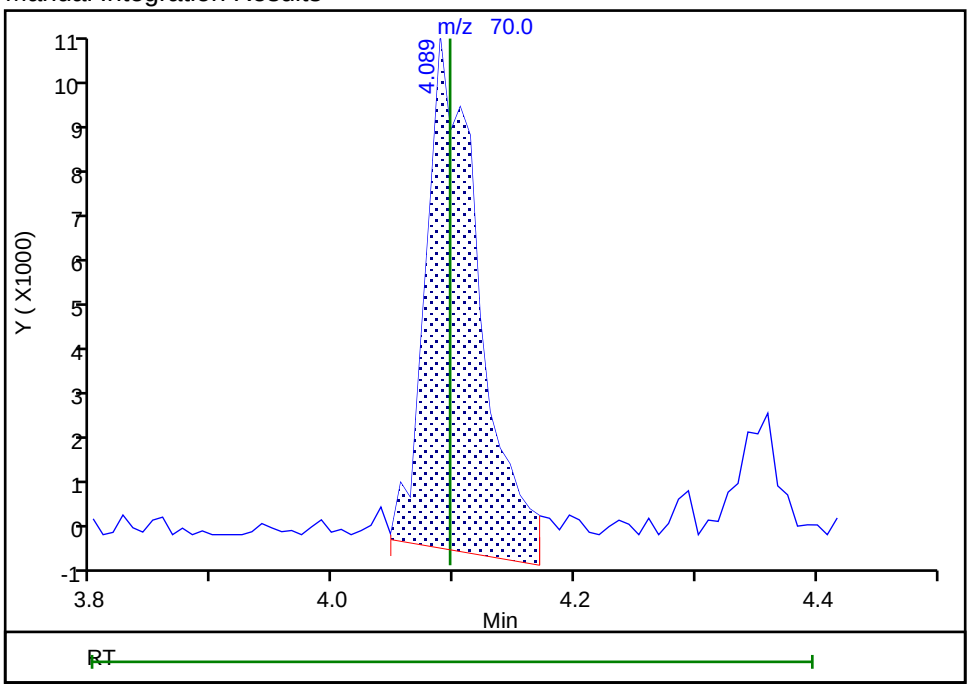
Processing Integration Results

RT: 4.09
Area: 16386
Amount: 81.414468
Amount Units: ug/l



Manual Integration Results

RT: 4.09
Area: 34759
Amount: 108.9953
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:35:19
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Jul-2021 11:00:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0131608-009
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:42 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: tupayachia Date: 10-Jul-2021 11:38:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.541	1.541	0.000	97	1670366	200.0	196.3	
2 Chloromethane	50	1.714	1.705	0.009	99	1611551	200.0	193.2	
4 Butadiene	54	1.788	1.779	0.009	93	1534400	200.0	178.3	
3 Vinyl chloride	62	1.788	1.779	0.009	99	1557094	200.0	200.4	
5 Bromomethane	94	2.051	2.042	0.009	98	1134822	200.0	177.3	
6 Chloroethane	64	2.092	2.092	0.000	100	902122	200.0	192.6	
7 Dichlorofluoromethane	67	2.273	2.264	0.008	99	2378542	200.0	198.3	
9 Trichlorofluoromethane	101	2.281	2.272	0.009	98	1990932	200.0	177.9	
8 Pentane	72	2.273	2.272	0.000	93	380286	400.0	343.8	
11 Ethyl ether	59	2.453	2.445	0.008	93	594483	200.0	161.7	
12 2-Methyl-1,3-butadiene	53	2.470	2.461	0.009	96	833288	200.0	180.5	
10 Ethanol	46	2.445	2.478	-0.033	73	94556	8000.0	5757.1	
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.519	2.511	0.008	89	891340	200.0	180.8	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.560	2.560	0.000	93	1230593	200.0	178.4	
15 Acrolein	56	2.609	2.609	0.000	91	101308	202.8	179.9	
17 1,1-Dichloroethene	96	2.642	2.634	0.008	96	795142	200.0	184.1	
16 112TCTFE	101	2.634	2.634	0.000	96	946052	200.0	177.8	
18 Acetone	43	2.724	2.724	0.000	83	1565566	1000.0	991.0	
19 Iodomethane	142	2.790	2.782	0.008	100	1631755	200.0	175.4	
20 Isopropyl alcohol	45	2.807	2.807	0.001	30	400844	2000.0	2167.1	
21 Carbon disulfide	76	2.823	2.839	-0.016	99	2954859	200.0	185.0	
22 3-Chloro-1-propene	41	2.930	2.930	0.000	82	1544572	200.0	196.4	a
23 Methyl acetate	43	2.946	2.938	0.008	99	1160548	400.0	352.0	
24 Cyclopentene	67	2.955	2.946	0.008	93	1962137	200.0	193.7	a
25 Acetonitrile	41	3.004	2.996	0.008	92	1254860	2000.0	1986.7	a
27 Methylene Chloride	84	3.053	3.045	0.008	94	861312	200.0	174.0	
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	390562	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.127	3.111	0.016	32	1014290	2000.0	1940.4	a
29 Methyl tert-butyl ether	73	3.201	3.193	0.008	95	2774654	200.0	183.8	
30 trans-1,2-Dichloroethene	96	3.226	3.217	0.009	96	807645	200.0	193.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.291	3.291	0.000	90	3032738	2000.0	1826.5	
32 Hexane	43	3.374	3.365	0.009	88	749586	200.0	185.1	
33 Isopropyl ether	45	3.571	3.571	0.000	90	2825729	200.0	196.2	
35 Vinyl acetate	86	3.604	3.595	0.009	99	355432	400.0	389.3	
34 1,1-Dichloroethane	63	3.595	3.595	0.000	98	1471020	200.0	181.4	
36 2-Chloro-1,3-butadiene	88	3.645	3.628	0.017	97	729976	200.0	206.6	
37 Tert-butyl ethyl ether	59	3.867	3.858	0.009	88	2860177	200.0	194.0	
* 38 2-Butanone-d5	46	4.056	4.039	0.017	0	416058	250.0	250.0	
39 2,2-Dichloropropane	97	4.088	4.080	0.008	92	340508	200.0	200.6	
40 cis-1,2-Dichloroethene	96	4.088	4.080	0.008	93	893746	200.0	182.8	
41 2-Butanone (MEK)	72	4.105	4.088	0.017	95	436844	1000.0	967.0	
42 Ethyl acetate	70	4.097	4.097	0.000	93	153170	400.0	394.4	
43 Methyl acrylate	55	4.154	4.154	0.000	99	666687	200.0	195.2	a
44 Propionitrile	54	4.228	4.220	0.008	95	1211904	2000.0	2177.2	
45 Chlorobromomethane	128	4.302	4.302	0.000	84	487818	200.0	199.8	
46 Tetrahydrofuran	72	4.310	4.310	0.000	68	206839	400.0	322.3	
47 Methacrylonitrile	67	4.327	4.318	0.009	95	3384500	2000.0	2159.1	
48 Chloroform	83	4.360	4.351	0.009	96	1571766	200.0	183.2	
49 Cyclohexane	84	4.491	4.483	0.008	90	1454405	200.0	193.8	
50 1,1,1-Trichloroethane	97	4.499	4.499	0.000	97	1695180	200.0	187.5	
$ 51 Dibromofluoromethane (Surr)	113	4.508	4.499	0.009	56	168938	50.0	48.3	
52 Carbon tetrachloride	117	4.614	4.614	0.000	94	1396841	200.0	183.5	
53 1,1-Dichloropropene	75	4.639	4.631	0.008	92	1124535	200.0	188.8	
54 Isobutyl alcohol	43	4.812	4.795	0.017	38	1633610	5000.0	5038.3	a
55 Benzene	78	4.828	4.820	0.008	99	3179555	200.0	189.2	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.836	0.000	0	288519	50.0	52.7	
57 Isopropyl acetate	43	4.885	4.885	0.000	93	2881648	200.0	209.7	a
58 Tert-amyl methyl ether	73	4.894	4.885	0.009	94	3275884	200.0	208.2	
59 1,2-Dichloroethane	62	4.910	4.910	0.000	98	1445814	200.0	175.0	
60 n-Heptane	57	4.976	4.976	0.000	90	590666	200.0	200.7	
* 61 Fluorobenzene	96	5.107	5.099	0.008	97	595417	50.0	50.0	
62 n-Butanol	56	5.403	5.395	0.008	91	496467	5000.0	5853.4	
63 Trichloroethene	95	5.452	5.444	0.008	94	783297	200.0	183.1	
64 Ethyl acrylate	55	5.567	5.567	0.000	97	2218397	200.0	202.1	
65 Methylcyclohexane	83	5.576	5.567	0.009	85	1569710	200.0	196.3	
66 1,2-Dichloropropane	63	5.724	5.724	0.000	74	698047	200.0	177.3	
* 67 1,4-Dioxane-d8	96	5.781	5.773	0.008	0	38455	1000.0	1000.0	
68 Methyl methacrylate	100	5.806	5.797	0.009	91	446519	400.0	376.4	
69 1,4-Dioxane	88	5.839	5.847	-0.008	35	133231	4000.0	3551.6	
70 Dibromomethane	93	5.855	5.855	0.000	93	510680	200.0	187.0	
71 n-Propyl acetate	43	5.855	5.855	0.000	98	1215450	200.0	225.0	
72 Dichlorobromomethane	83	6.003	5.995	0.008	98	1190517	200.0	199.1	
73 2-Nitropropane	41	6.323	6.323	0.000	92	825294	400.0	434.1	
74 2-Chloroethyl vinyl ether	63	6.332	6.332	0.000	92	415734	200.5	215.6	
75 Epichlorohydrin	57	6.438	6.430	0.008	99	1446307	4000.0	3744.7	
76 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	92	1191895	200.0	206.3	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.652	0.000	99	5019236	1000.0	956.8	
$ 78 Toluene-d8 (Surr)	98	6.734	6.726	0.008	98	624560	50.0	49.8	
79 Toluene	91	6.808	6.800	0.008	92	3508650	200.0	189.1	
80 trans-1,3-Dichloropropene	75	7.153	7.145	0.008	96	1133337	200.0	204.9	
81 Ethyl methacrylate	69	7.186	7.186	0.000	96	1024524	200.0	201.3	
82 1,1,2-Trichloroethane	83	7.367	7.359	0.008	90	524735	200.0	186.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.408	7.408	0.000	96	910890	200.0	179.1	
84 1,3-Dichloropropane	76	7.572	7.564	0.008	94	1098160	200.0	186.6	
85 2-Hexanone	43	7.638	7.630	0.008	96	2904299	1000.0	881.4	
86 n-Butyl acetate	43	7.753	7.753	0.000	96	1455820	200.0	215.5	
87 Chlorodibromomethane	129	7.794	7.794	0.000	97	798269	200.0	196.3	
88 Ethylene Dibromide	107	7.950	7.950	0.000	97	653653	200.0	197.5	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	86	487899	50.0	50.0	
90 Chlorobenzene	112	8.526	8.525	0.001	93	2253699	200.0	181.6	
91 Ethylbenzene	106	8.632	8.632	0.000	99	1284153	200.0	186.7	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.649	0.000	92	998739	200.0	183.9	
93 m-Xylene & p-Xylene	106	8.797	8.797	0.000	0	1562248	200.0	182.5	
94 n-Butyl acrylate	73	9.282	9.281	0.001	93	755929	200.0	214.7	
95 o-Xylene	106	9.290	9.290	0.000	93	1707719	200.0	190.3	
96 Styrene	104	9.323	9.323	0.000	94	2701926	200.0	186.7	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	87	2256622	200.0	218.6	
98 Bromoform	173	9.536	9.536	0.000	96	517934	200.0	192.2	
99 Isopropylbenzene	105	9.668	9.668	0.000	96	4891479	200.0	192.9	
$ 100 4-Bromofluorobenzene	174	9.857	9.848	0.009	89	214323	50.0	47.5	
101 Bromobenzene	156	9.972	9.972	0.000	90	1056569	200.0	193.1	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	95	916232	200.0	197.5	
103 N-Propylbenzene	91	10.046	10.046	0.000	98	5698244	200.0	206.7	
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	94	318432	200.0	179.9	
105 trans-1,4-Dichloro-2-butene	53	10.079	10.078	0.001	75	144955	200.0	199.8	
106 2-Chlorotoluene	91	10.136	10.136	0.000	97	3735828	200.0	192.7	
107 4-Ethyltoluene	105	10.144	10.144	0.000	97	4925011	200.0	209.1	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	92	4211333	200.0	207.9	
109 4-Chlorotoluene	91	10.235	10.235	0.000	99	3144844	200.0	187.2	
110 Butyl Methacrylate	87	10.292	10.292	0.000	95	1416895	200.0	223.3	
111 tert-Butylbenzene	119	10.448	10.448	0.000	94	3512915	200.0	212.0	
112 1,2,4-Trimethylbenzene	105	10.498	10.498	0.000	98	4323406	200.0	208.1	
113 sec-Butylbenzene	105	10.613	10.613	0.000	99	5716845	200.0	225.8	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	94	2391958	200.0	189.8	
114 4-Isopropyltoluene	119	10.719	10.719	0.000	98	5393821	200.0	227.2	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	95	312853	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	95	2310295	200.0	188.3	
118 1,2,3-Trimethylbenzene	105	10.802	10.802	0.000	99	5170597	200.0	235.4	
119 Benzyl chloride	91	10.884	10.884	0.000	97	2639800	200.0	204.5	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	94	4765538	200.0	214.3	
121 p-Diethylbenzene	119	10.974	10.974	0.000	93	2752526	200.0	205.2	
122 n-Butylbenzene	92	10.991	10.991	0.000	96	2534296	200.0	197.3	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	95	2354197	200.0	181.6	
124 1,2,4,5-Tetramethylbenzene	119	11.459	11.459	0.000	97	5373034	200.0	232.2	
125 1,2-Dibromo-3-Chloropropane	157	11.525	11.525	0.000	91	260478	200.0	199.0	
126 1,3,5-Trichlorobenzene	180	11.607	11.607	0.000	96	2146574	200.0	199.7	
127 1,2,4-Trichlorobenzene	180	11.993	11.993	0.000	93	1878505	200.0	189.6	
128 Hexachlorobutadiene	225	12.059	12.059	0.000	92	781556	200.0	193.8	
129 Naphthalene	128	12.149	12.149	0.000	98	4460691	200.0	208.5	
130 1,2,3-Trichlorobenzene	180	12.305	12.305	0.000	94	1687590	200.0	193.3	
S 131 1,2-Dichloroethene, Total	100				0		400.0	376.6	
S 133 Total BTEX	1				0		1000.0	937.9	
S 132 Xylenes, Total	100				0		400.0	372.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00128	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00113	Amount Added:	20.00	Units: uL	
MIX I Hi_00140	Amount Added:	20.00	Units: uL	
Ethanol mix_00054	Amount Added:	20.00	Units: uL	
8FreonHi_00034	Amount Added:	20.00	Units: uL	
GAS Hi_00392	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2021 21:51:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D

Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6 Operator ID:

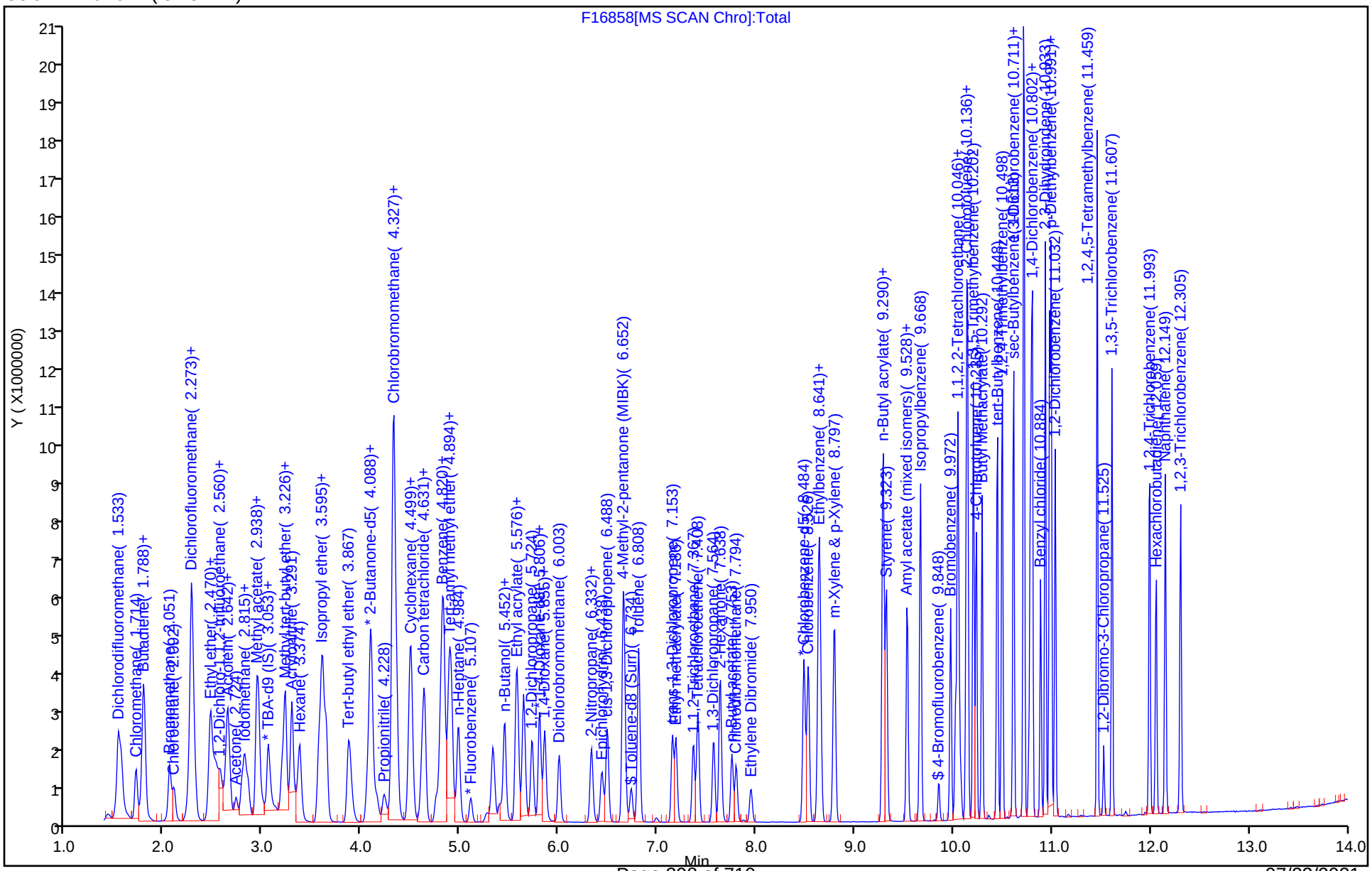
Lims ID: STD200 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

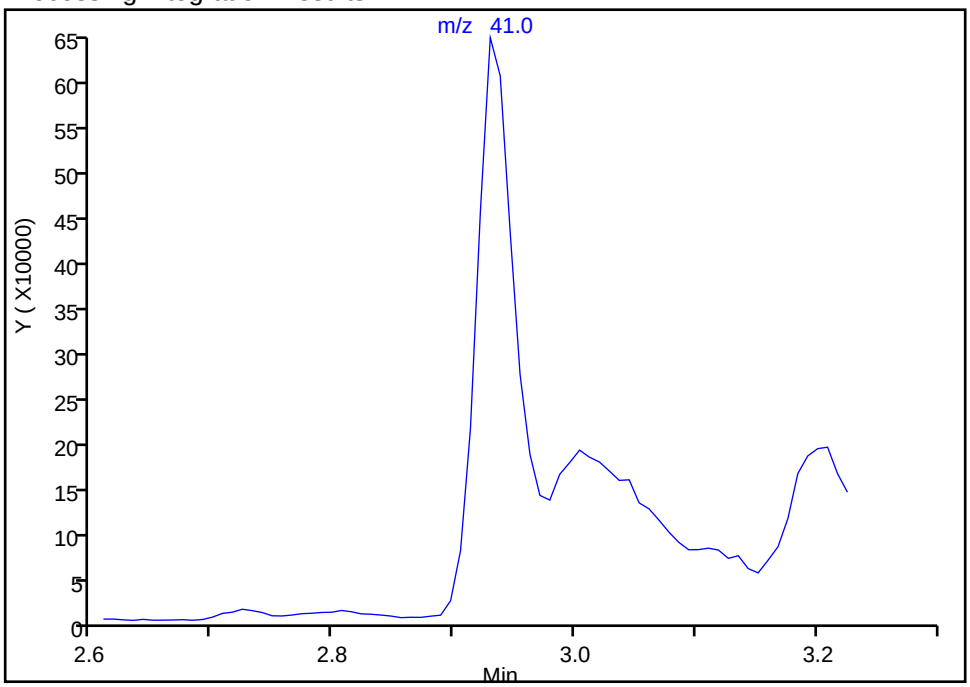
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

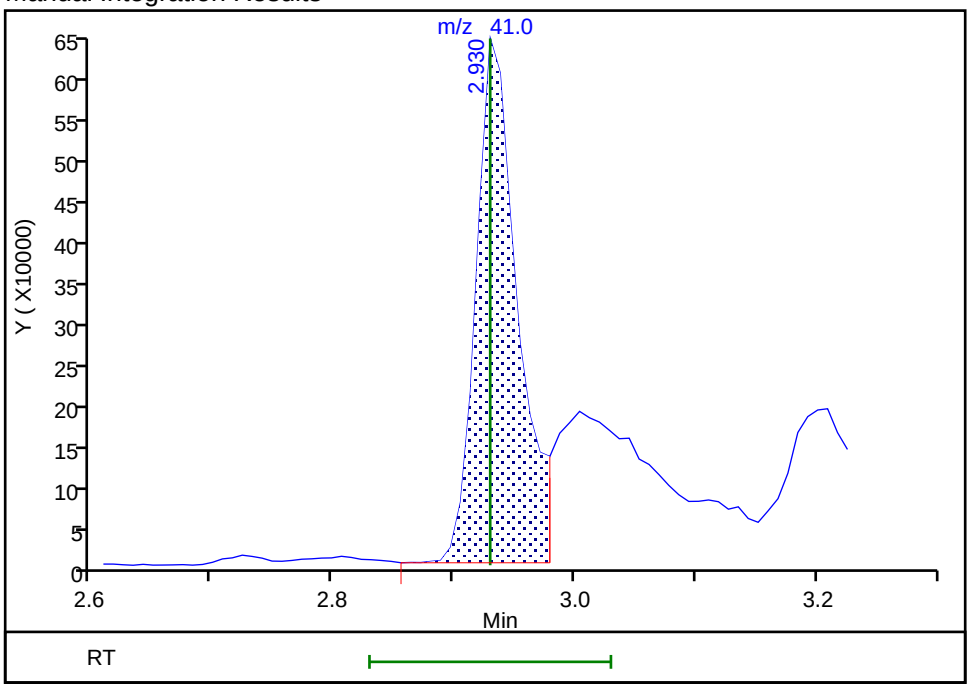
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93
Area: 1544572
Amount: 196.3781
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:43:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

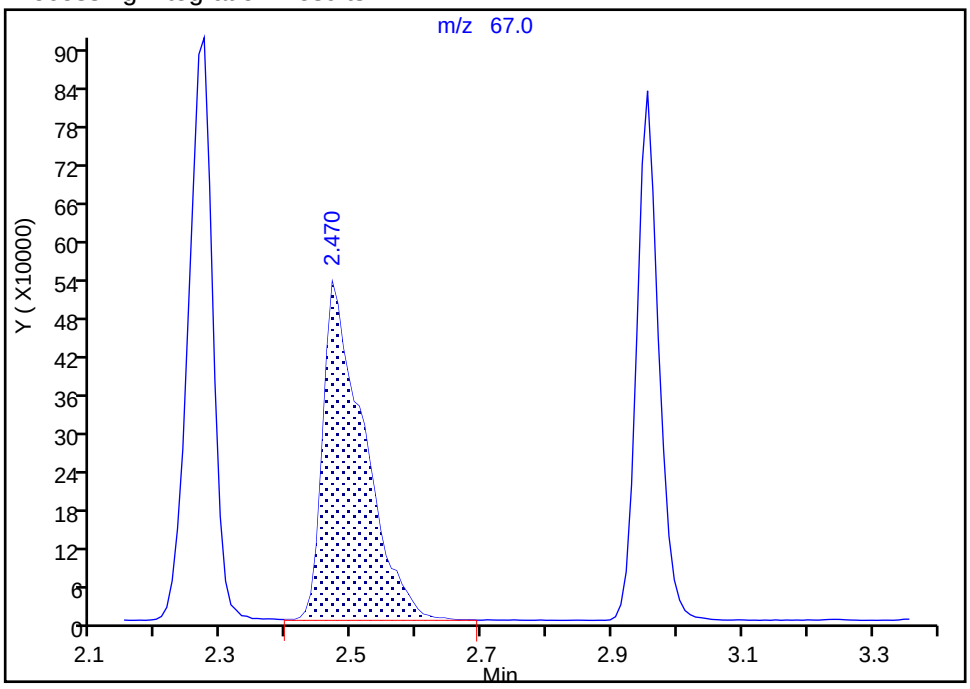
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Cyclopentene, CAS: 142-29-0

Signal: 1

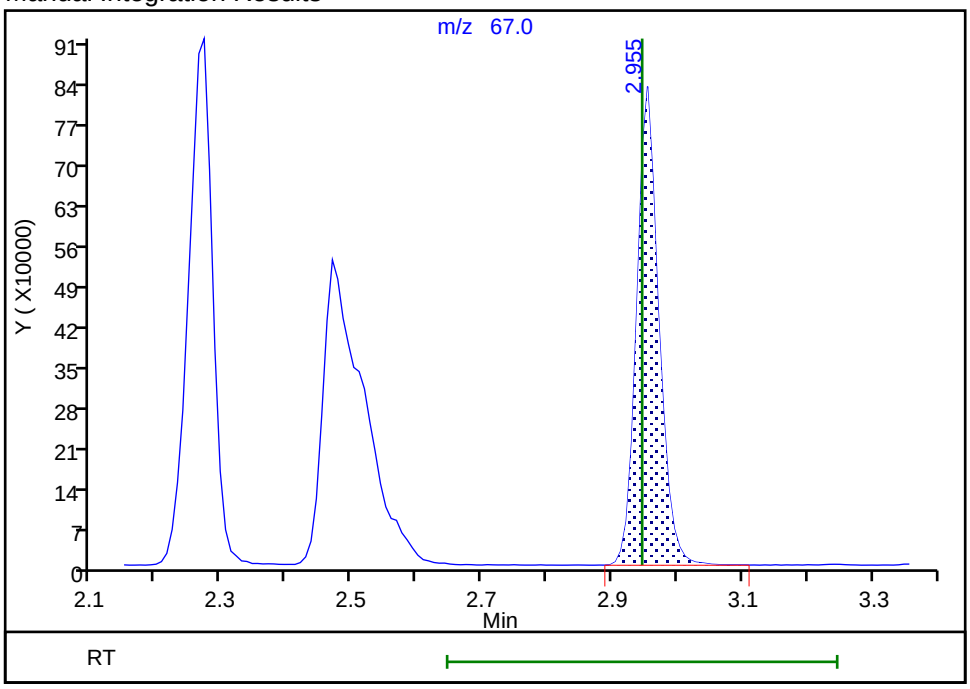
Processing Integration Results

RT: 2.47
Area: 2329677
Amount: 199.2424
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 1962137
Amount: 193.6876
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:38:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

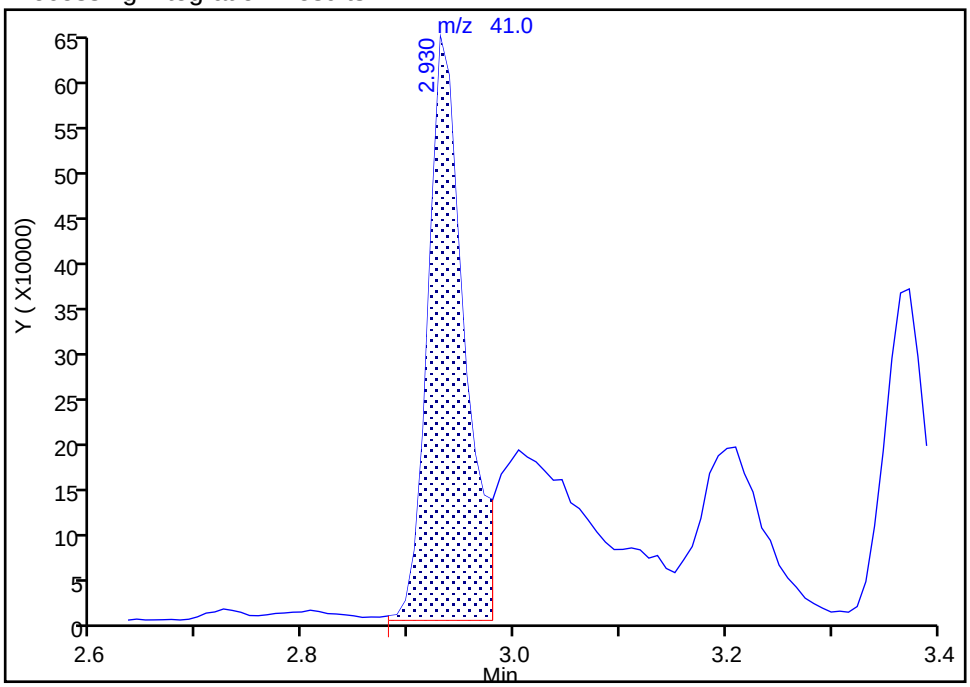
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

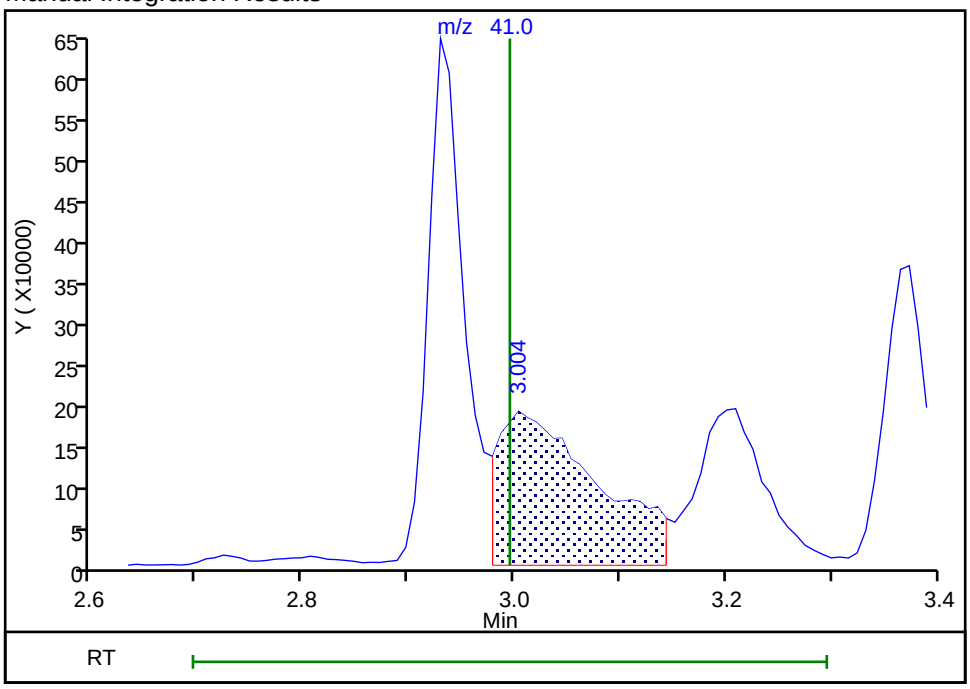
Processing Integration Results

RT: 2.93
Area: 1565353
Amount: 1989.3345
Amount Units: ug/l



Manual Integration Results

RT: 3.00
Area: 1254860
Amount: 1986.6839
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:53:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

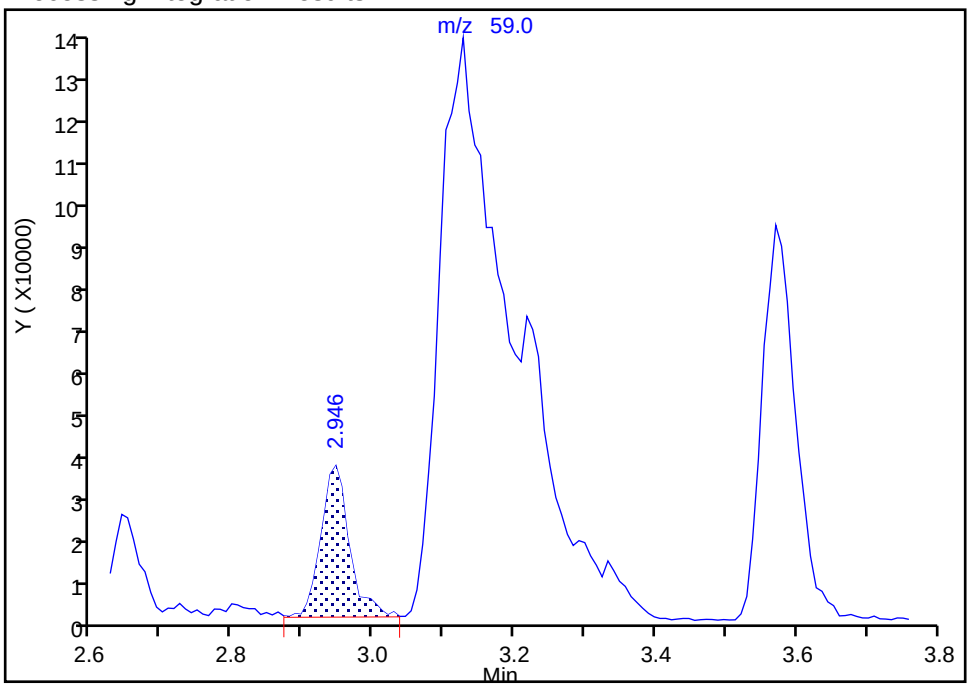
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

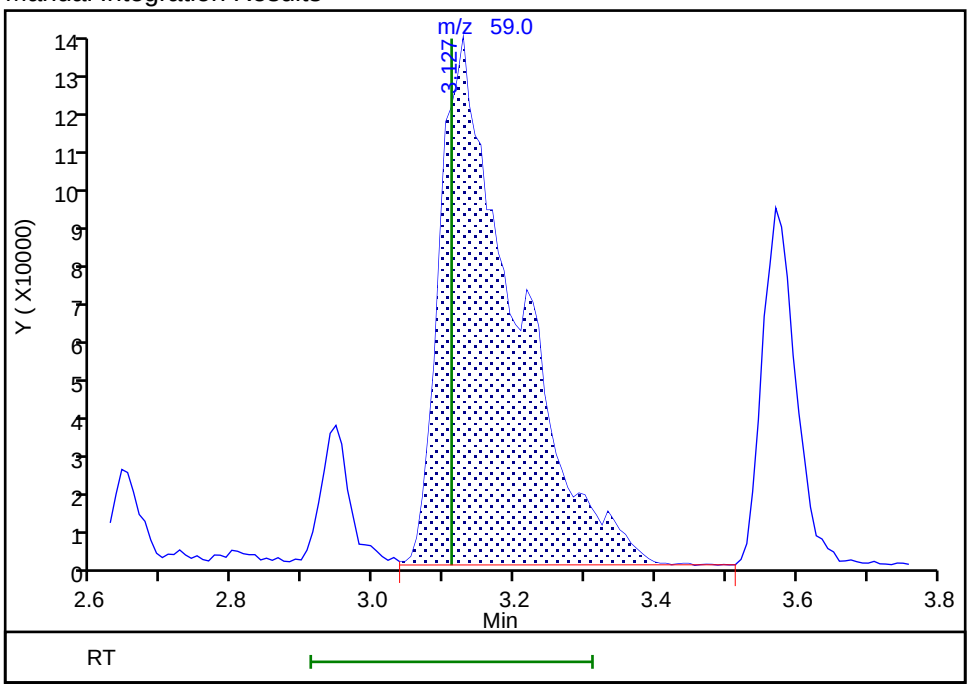
Processing Integration Results

RT: 2.95
Area: 99006
Amount: 290.8548
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 1014290
Amount: 1940.3633
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:43:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

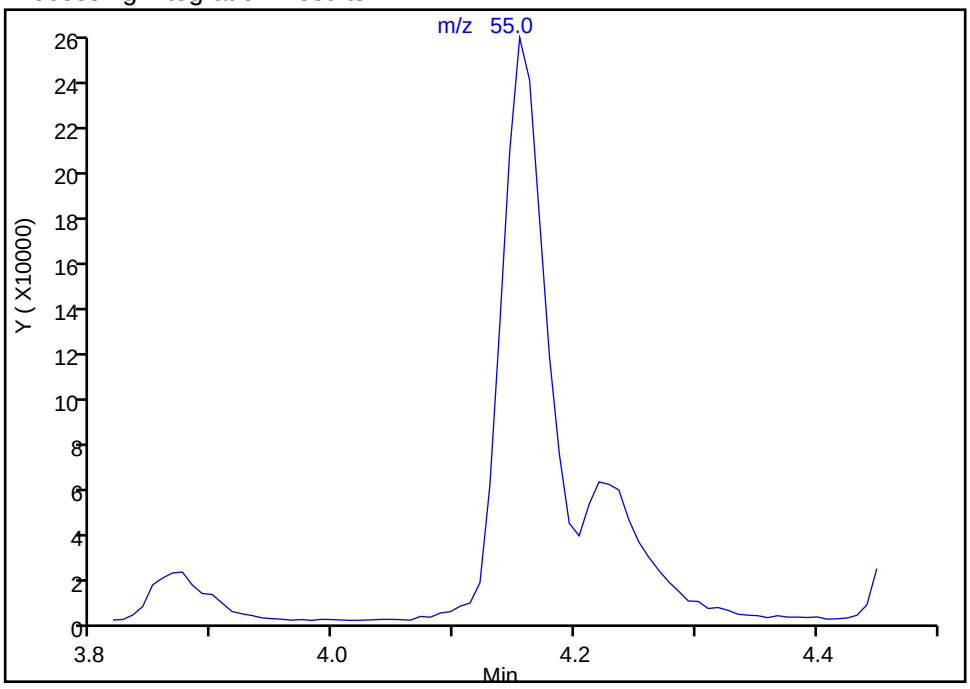
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

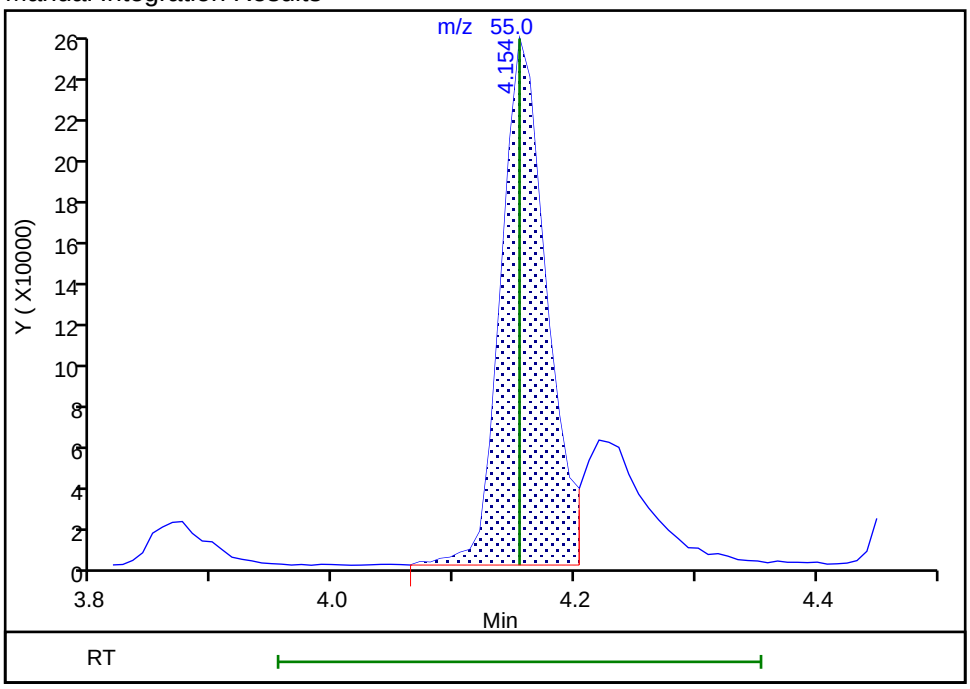
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 666687
Amount: 195.1795
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:43:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

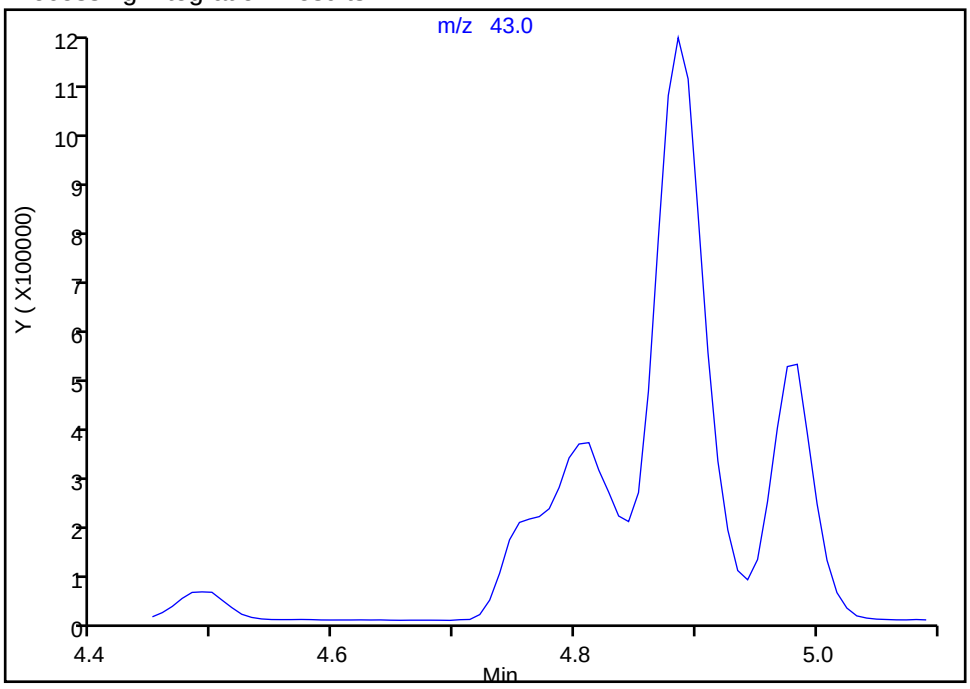
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

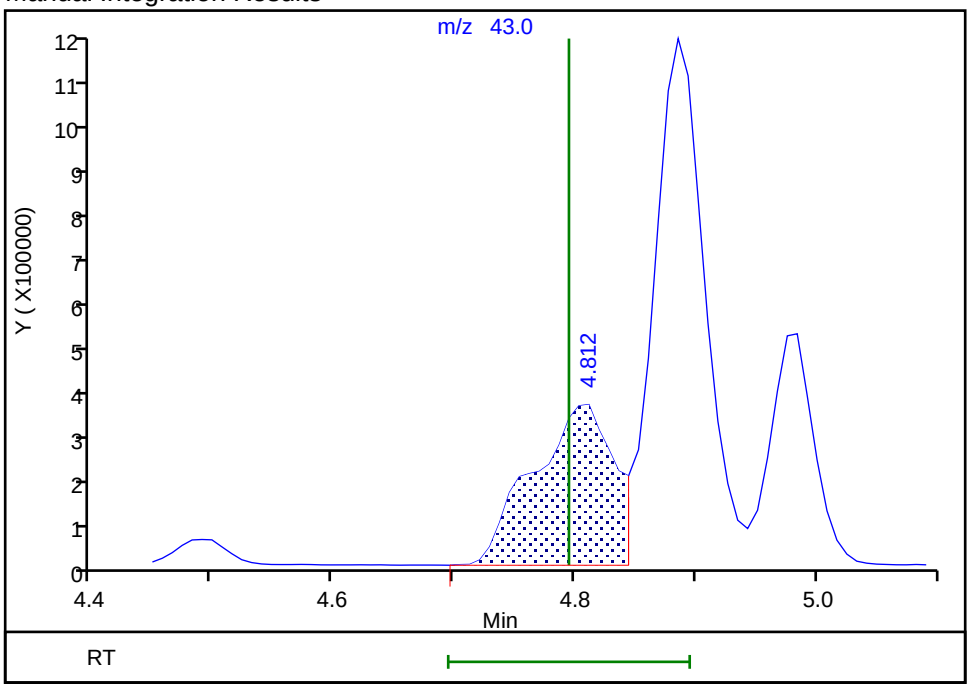
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.81
Area: 1633610
Amount: 5038.2682
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:43:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

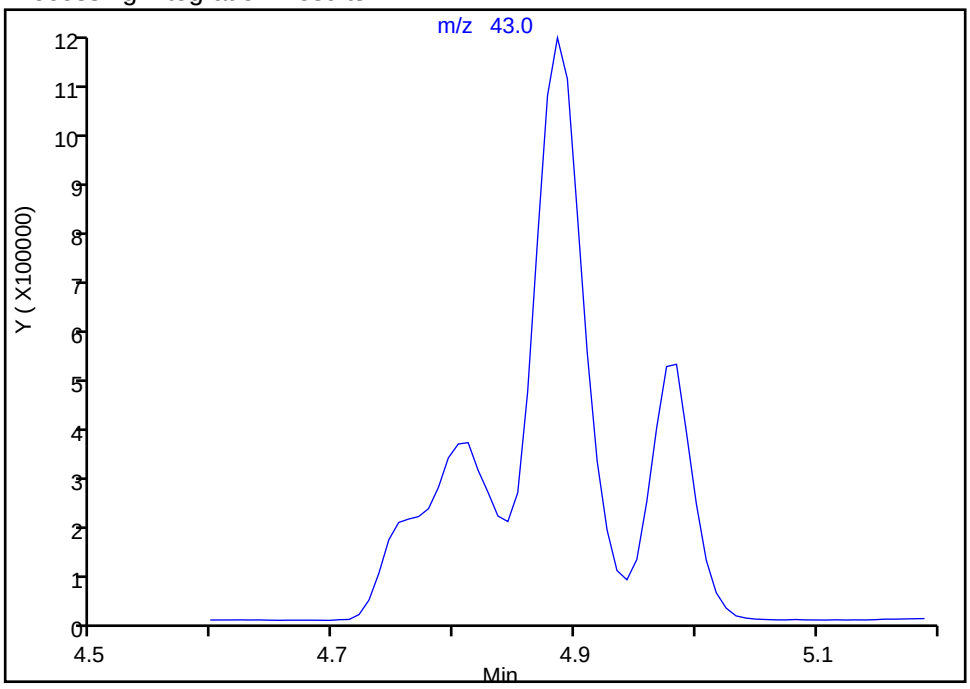
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16858.D
Injection Date: 10-Jul-2021 11:00:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 Isopropyl acetate, CAS: 108-21-4

Signal: 1

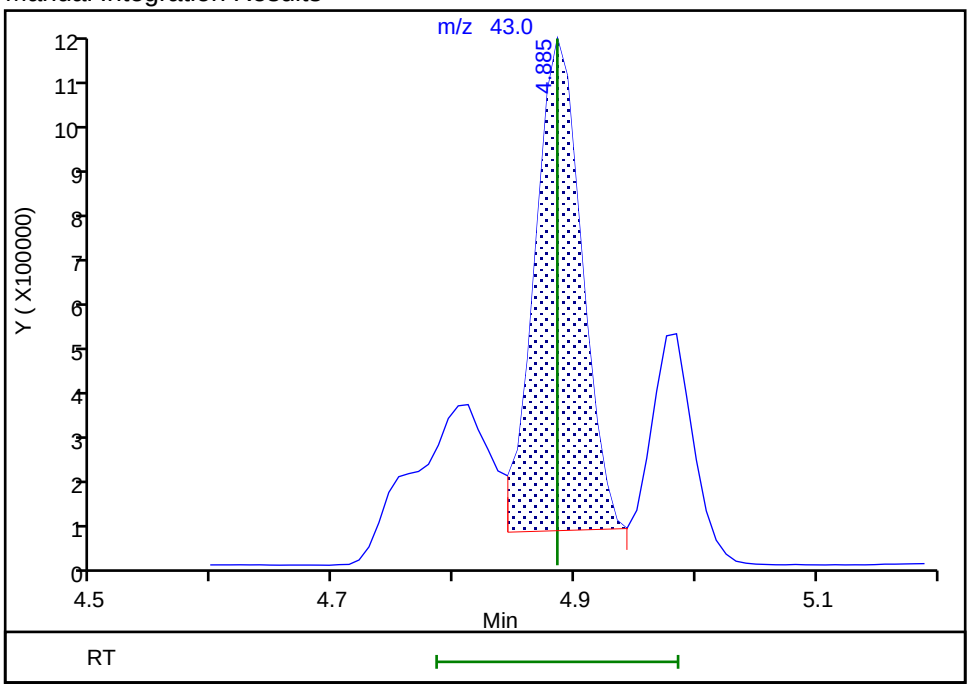
Not Detected
Expected RT: 4.89

Processing Integration Results



Manual Integration Results

RT: 4.89
Area: 2881648
Amount: 209.6841
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:43:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 10-Jul-2021 11:23:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0131608-010
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 14-Jul-2021 21:51:48 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: baronm Date: 14-Jul-2021 21:47:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.533	1.541	-0.008	99	4811569	500.0	484.2	
2 Chloromethane	50	1.706	1.705	0.001	100	4465232	500.0	458.4	
4 Butadiene	54	1.788	1.779	0.009	93	4158789	500.0	414.0	
3 Vinyl chloride	62	1.779	1.779	0.000	100	4359141	500.0	480.6	
5 Bromomethane	94	2.042	2.042	0.000	99	3338351	500.0	446.7	
6 Chloroethane	64	2.083	2.092	-0.009	99	2697822	500.0	493.3	
7 Dichlorofluoromethane	67	2.264	2.264	0.000	99	7265604	500.0	518.8	
9 Trichlorofluoromethane	101	2.272	2.272	0.000	98	5705354	500.0	436.5	
8 Pentane	72	2.272	2.272	0.000	94	1160258	1000.0	821.6	
11 Ethyl ether	59	2.437	2.445	-0.008	92	2009090	500.0	468.0	
12 2-Methyl-1,3-butadiene	53	2.461	2.461	0.000	97	2826281	500.0	524.4	
10 Ethanol	46	2.445	2.478	-0.033	72	499537	20000	23825	
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.503	2.511	-0.008	94	2470076	500.0	429.1	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.560	2.560	0.000	92	3473325	500.0	431.3	
15 Acrolein	56	2.601	2.609	-0.008	94	231531	405.6	322.1	
17 1,1-Dichloroethene	96	2.650	2.634	0.016	96	2379807	500.0	471.9	
16 112TCTFE	101	2.626	2.634	-0.008	96	2665369	500.0	428.9	a
18 Acetone	43	2.716	2.724	-0.008	83	4524710	2500.0	2219.8	
19 Iodomethane	142	2.790	2.782	0.008	99	4633316	500.0	426.6	
20 Isopropyl alcohol	45	2.807	2.807	0.001	98	1063671	5000.0	4504.7	
21 Carbon disulfide	76	2.839	2.839	0.000	100	8939948	500.0	479.4	
22 3-Chloro-1-propene	41	2.922	2.930	-0.008	86	4681290	500.0	509.8	a
23 Methyl acetate	43	2.938	2.938	0.000	99	3524789	1000.0	915.6	
24 Cyclopentene	67	2.946	2.946	0.000	90	5746050	500.0	485.8	a
25 Acetonitrile	41	2.987	2.996	-0.009	99	4074003	5000.0	5001.8	a
27 Methylene Chloride	84	3.053	3.045	0.008	94	2559273	500.0	442.9	
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	498578	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.119	3.111	0.008	97	2951930	5000.0	4423.7	a
29 Methyl tert-butyl ether	73	3.193	3.193	0.000	95	7553848	500.0	428.5	
30 trans-1,2-Dichloroethene	96	3.217	3.217	0.000	97	2260222	500.0	465.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.283	3.291	-0.008	92	9167004	5000.0	4728.7	
32 Hexane	43	3.357	3.365	-0.008	89	2151584	500.0	455.0	
33 Isopropyl ether	45	3.563	3.571	-0.008	93	8175479	500.0	486.3	
35 Vinyl acetate	86	3.604	3.595	0.009	100	1054497	1000.0	990.9	
34 1,1-Dichloroethane	63	3.587	3.595	-0.008	99	4307862	500.0	455.0	
36 2-Chloro-1,3-butadiene	88	3.628	3.628	0.000	97	2039917	500.0	495.2	
37 Tert-butyl ethyl ether	59	3.867	3.858	0.009	88	7888761	500.0	458.3	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	536812	250.0	250.0	
39 2,2-Dichloropropane	97	4.080	4.080	0.000	92	983823	500.0	496.4	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	93	2635441	500.0	461.6	
41 2-Butanone (MEK)	72	4.097	4.088	0.009	95	1310410	2500.0	2248.2	
42 Ethyl acetate	70	4.105	4.097	0.008	95	443067	1000.0	1001.0	
43 Methyl acrylate	55	4.154	4.154	0.000	99	1980615	500.0	473.2	
44 Propionitrile	54	4.228	4.220	0.008	95	3504383	5000.0	4931.8	
45 Chlorobromomethane	128	4.302	4.302	0.000	94	1364817	500.0	500.0	
46 Tetrahydrofuran	72	4.302	4.310	-0.008	71	640874	1000.0	774.0	
47 Methacrylonitrile	67	4.327	4.318	0.009	96	10735257	5000.0	5865.6	
48 Chloroform	83	4.351	4.351	0.000	96	4535413	500.0	452.7	
49 Cyclohexane	84	4.491	4.483	0.008	91	4271194	500.0	487.3	
50 1,1,1-Trichloroethane	97	4.499	4.499	0.000	98	4723841	500.0	447.5	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.499	0.000	32	198126	50.0	48.5	
52 Carbon tetrachloride	117	4.614	4.614	0.000	95	3909732	500.0	440.0	
53 1,1-Dichloropropene	75	4.631	4.631	0.000	89	3324588	500.0	478.1	
54 Isobutyl alcohol	43	4.803	4.795	0.008	95	4916822	12500	12494	M
55 Benzene	78	4.828	4.820	0.008	98	9959053	500.0	483.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.836	0.000	0	345347	50.0	54.1	
57 Isopropyl acetate	43	4.885	4.885	0.000	93	8305768	500.0	517.6	
58 Tert-amyl methyl ether	73	4.894	4.885	0.009	93	9098262	500.0	495.2	
59 1,2-Dichloroethane	62	4.910	4.910	0.000	98	4140039	500.0	429.2	
60 n-Heptane	57	4.976	4.976	0.000	90	1699034	500.0	494.4	
* 61 Fluorobenzene	96	5.099	5.099	0.000	97	695188	50.0	50.0	
62 n-Butanol	56	5.403	5.395	0.008	94	1462660	12500	13509	
63 Trichloroethene	95	5.444	5.444	0.000	95	2321231	500.0	464.6	
64 Ethyl acrylate	55	5.567	5.567	0.000	96	6732367	500.0	525.3	
65 Methylcyclohexane	83	5.576	5.567	0.009	86	4674228	500.0	500.7	
66 1,2-Dichloropropane	63	5.724	5.724	0.000	79	2115253	500.0	460.1	
* 67 1,4-Dioxane-d8	96	5.855	5.773	0.082	0	58708	1000.0	1000.0	a
68 Methyl methacrylate	100	5.806	5.797	0.009	91	1270519	1000.0	917.2	
69 1,4-Dioxane	88	5.839	5.847	-0.008	32	425609	10000	7431.7	
70 Dibromomethane	93	5.855	5.855	0.000	94	1472521	500.0	461.8	
71 n-Propyl acetate	43	5.855	5.855	0.000	98	3613476	500.0	573.0	
72 Dichlorobromomethane	83	6.003	5.995	0.008	98	3487396	500.0	499.5	
73 2-Nitropropane	41	6.323	6.323	0.000	94	2231799	1000.0	972.8	
74 2-Chloroethyl vinyl ether	63	6.332	6.332	0.000	94	1241949	501.2	552.4	
75 Epichlorohydrin	57	6.438	6.430	0.008	99	4456598	10000	8943.1	
76 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	94	3880367	500.0	548.0	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.652	0.000	99	15238494	2500.0	2251.4	
$ 78 Toluene-d8 (Surr)	98	6.734	6.726	0.008	97	729578	50.0	47.5	
79 Toluene	91	6.808	6.800	0.008	92	10848632	500.0	477.3	
80 trans-1,3-Dichloropropene	75	7.153	7.145	0.008	96	3614019	500.0	533.1	
81 Ethyl methacrylate	69	7.186	7.186	0.000	95	3032087	500.0	486.1	
82 1,1,2-Trichloroethane	83	7.359	7.359	0.000	91	1585862	500.0	459.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.408	7.408	0.000	96	2672825	500.0	428.8	
84 1,3-Dichloropropane	76	7.564	7.564	0.000	95	3315431	500.0	459.9	
85 2-Hexanone	43	7.630	7.630	0.000	97	8863001	2500.0	2084.6	
86 n-Butyl acetate	43	7.753	7.753	0.000	96	3975657	500.0	486.9	
87 Chlorodibromomethane	129	7.794	7.794	0.000	97	2352178	500.0	472.1	
88 Ethylene Dibromide	107	7.942	7.950	-0.008	98	1906149	500.0	503.0	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	88	597843	50.0	50.0	
90 Chlorobenzene	112	8.526	8.525	0.001	93	6817048	500.0	448.4	
91 Ethylbenzene	106	8.632	8.632	0.000	99	3868402	500.0	459.0	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.649	0.000	92	2881830	500.0	433.0	
93 m-Xylene & p-Xylene	106	8.797	8.797	0.000	0	4654892	500.0	443.9	
94 n-Butyl acrylate	73	9.282	9.281	0.001	93	1953653	500.0	452.8	
95 o-Xylene	106	9.290	9.290	0.000	92	5168050	500.0	469.9	
96 Styrene	104	9.323	9.323	0.000	95	8304301	500.0	468.4	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	87	6038258	500.0	537.8	
98 Bromoform	173	9.536	9.536	0.000	96	1549753	500.0	469.4	
99 Isopropylbenzene	105	9.668	9.668	0.000	98	13662839	500.0	439.8	e
$ 100 4-Bromofluorobenzene	174	9.848	9.848	0.000	88	237477	50.0	42.9	
101 Bromobenzene	156	9.972	9.972	0.000	94	3025923	500.0	508.4	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	96	2650558	500.0	525.2	
103 N-Propylbenzene	91	10.037	10.046	-0.009	98	13964862	500.0	465.8	e
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	94	908876	500.0	472.2	
105 trans-1,4-Dichloro-2-butene	53	10.079	10.078	0.001	75	585360	500.0	500.0	
106 2-Chlorotoluene	91	10.136	10.136	0.000	98	11327770	500.0	537.4	e
107 4-Ethyltoluene	105	10.144	10.144	0.000	96	12879003	500.0	502.8	e
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	96	11526516	500.0	523.3	e
109 4-Chlorotoluene	91	10.235	10.235	0.000	98	9824163	500.0	537.6	
110 Butyl Methacrylate	87	10.292	10.292	0.000	97	3893687	500.0	564.2	
111 tert-Butylbenzene	119	10.448	10.448	0.000	91	10437007	500.0	579.1	e
112 1,2,4-Trimethylbenzene	105	10.489	10.498	-0.009	94	11100927	500.0	491.3	e
113 sec-Butylbenzene	105	10.604	10.613	-0.009	91	12536057	500.0	455.3	e
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	95	7509929	500.0	548.0	
114 4-Isopropyltoluene	119	10.711	10.719	-0.008	89	11634610	500.0	450.6	e
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	95	340262	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	95	6824155	500.0	511.3	
118 1,2,3-Trimethylbenzene	105	10.793	10.802	-0.009	97	11385460	500.0	476.6	e
119 Benzyl chloride	91	10.884	10.884	0.000	97	6902023	500.0	491.6	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	86	10781044	500.0	445.7	e
121 p-Diethylbenzene	119	10.974	10.974	0.000	95	8005039	500.0	548.7	
122 n-Butylbenzene	92	10.991	10.991	0.000	91	8032852	500.0	575.0	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	96	6935886	500.0	492.0	
124 1,2,4,5-Tetramethylbenzene	119	11.459	11.459	0.000	88	10198785	500.0	405.2	e
125 1,2-Dibromo-3-Chloropropane	157	11.533	11.525	0.008	92	699197	500.0	503.2	
126 1,3,5-Trichlorobenzene	180	11.615	11.607	0.008	96	5741502	500.0	491.2	
127 1,2,4-Trichlorobenzene	180	11.993	11.993	0.000	94	5242535	500.0	486.4	
128 Hexachlorobutadiene	225	12.059	12.059	0.000	92	2244901	500.0	511.8	
129 Naphthalene	128	12.149	12.149	0.000	97	10929700	500.0	469.8	e
130 1,2,3-Trichlorobenzene	180	12.305	12.305	0.000	94	4771666	500.0	502.5	
S 131 1,2-Dichloroethene, Total	100				0		1000.0	927.0	
S 133 Total BTEX	1				0		2500.0	2333.7	
S 132 Xylenes, Total	100				0		1000.0	913.8	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00128	Amount Added:	40.00	Units: uL	
MIX 2 Hi_00113	Amount Added:	50.00	Units: uL	
MIX I Hi_00140	Amount Added:	50.00	Units: uL	
Ethanol mix_00054	Amount Added:	50.00	Units: uL	
8FreonHi_00034	Amount Added:	50.00	Units: uL	
GAS Hi_00392	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 14-Jul-2021 21:51:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6 Operator ID:

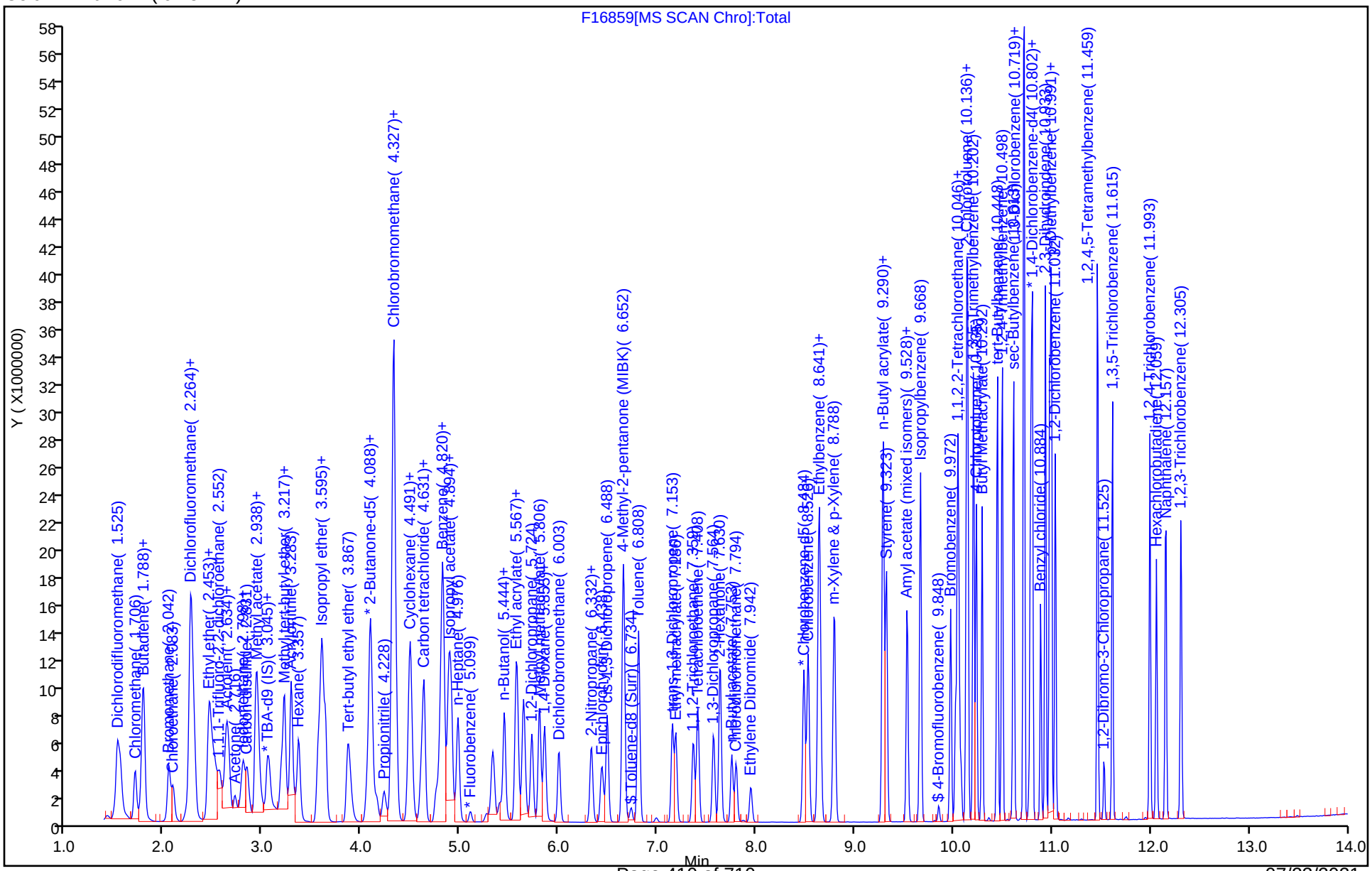
Lims ID: STD500 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

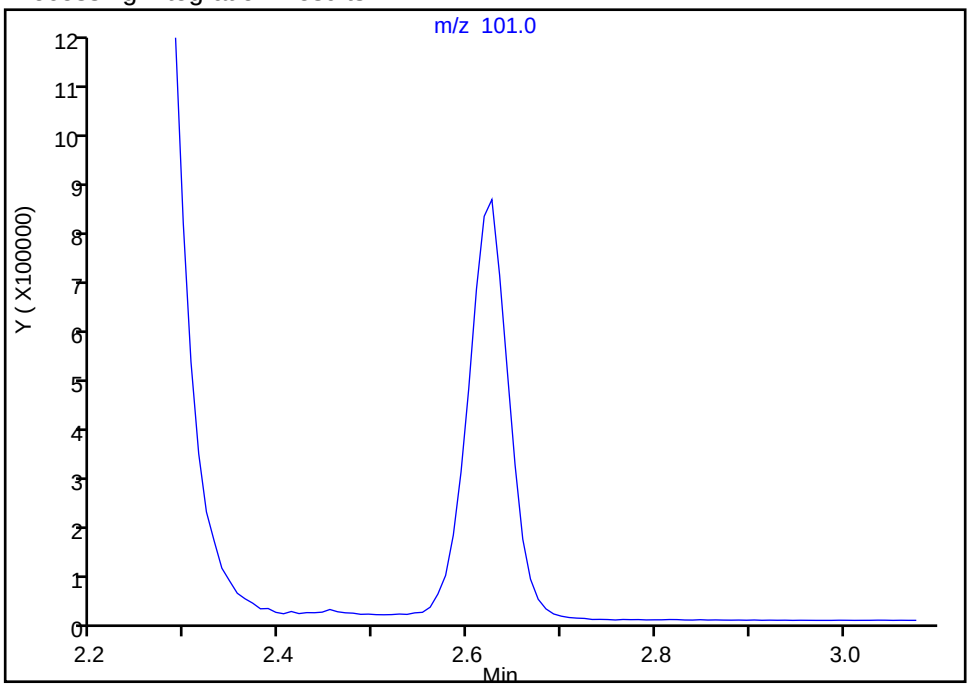
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 112TCTFE, CAS: 76-13-1

Signal: 1

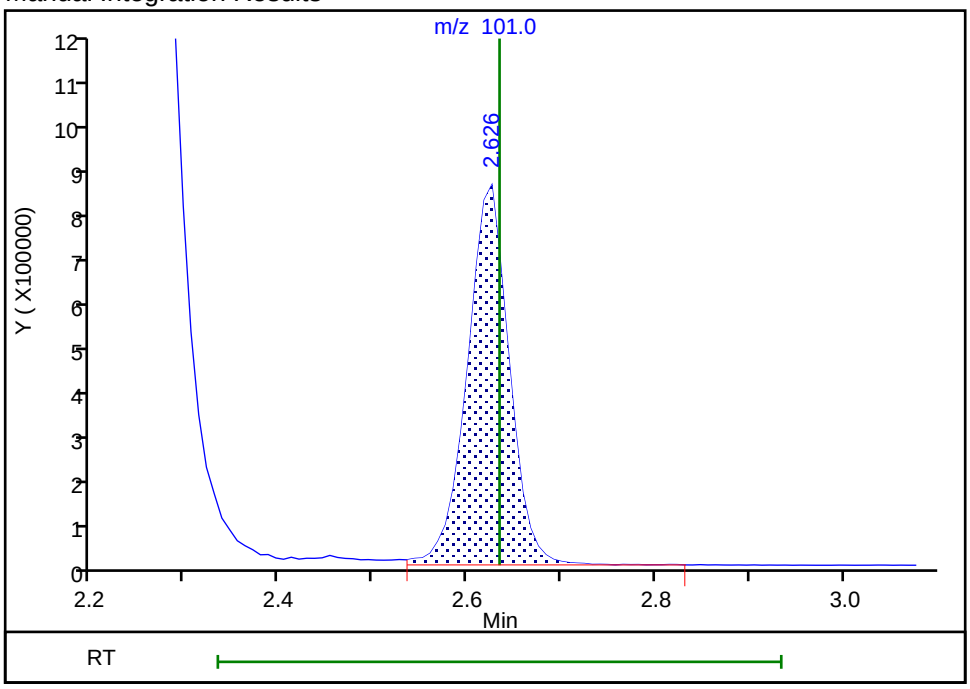
Not Detected
Expected RT: 2.63

Processing Integration Results



Manual Integration Results

RT: 2.63
Area: 2665369
Amount: 428.9460
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:41:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

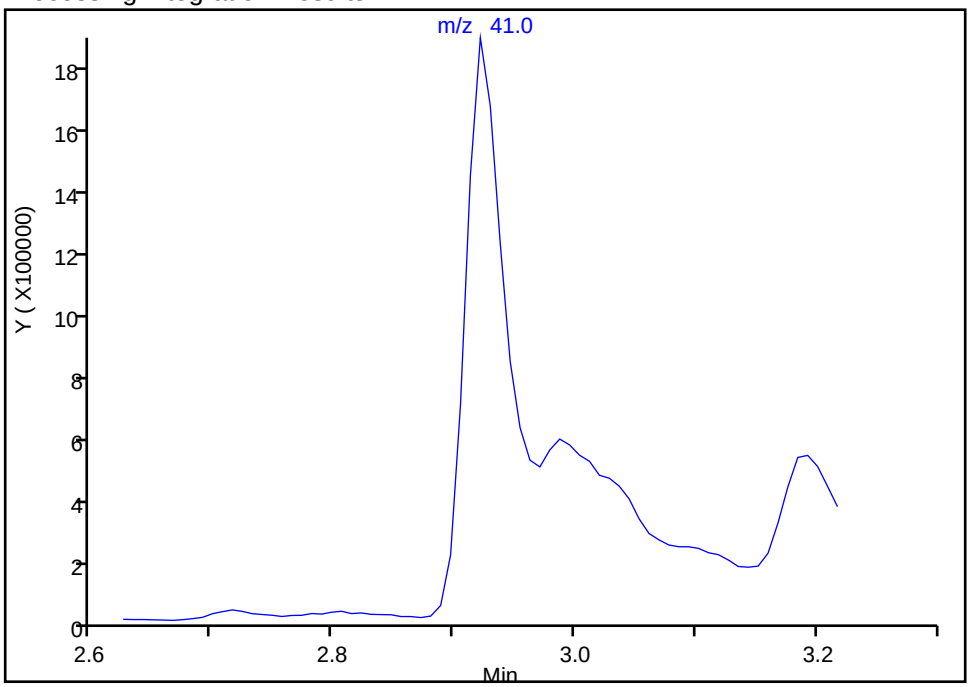
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

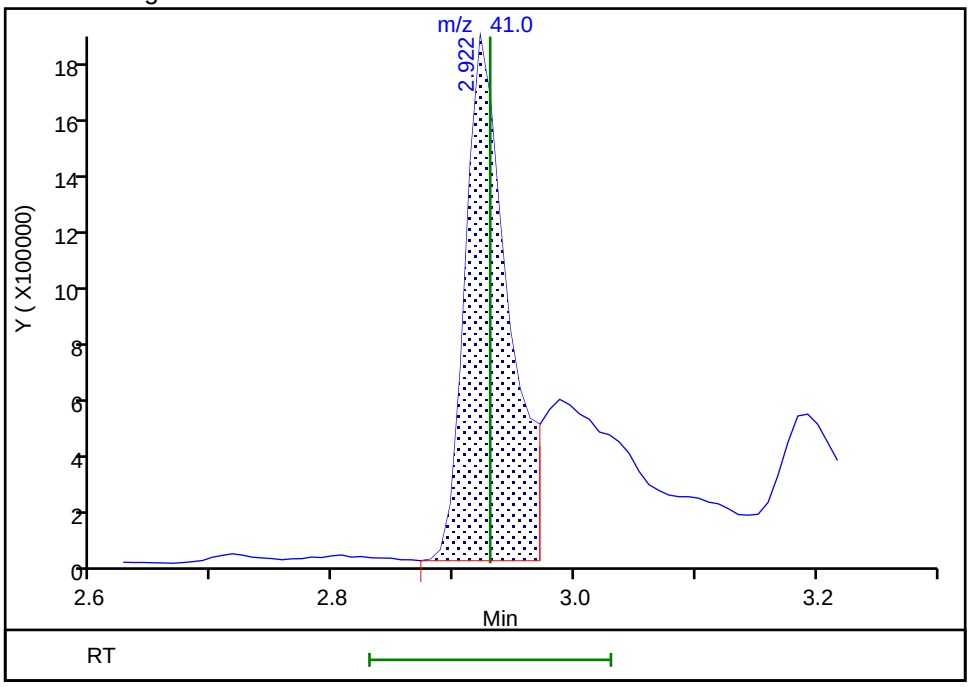
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.92
Area: 4681290
Amount: 509.7644
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:41:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

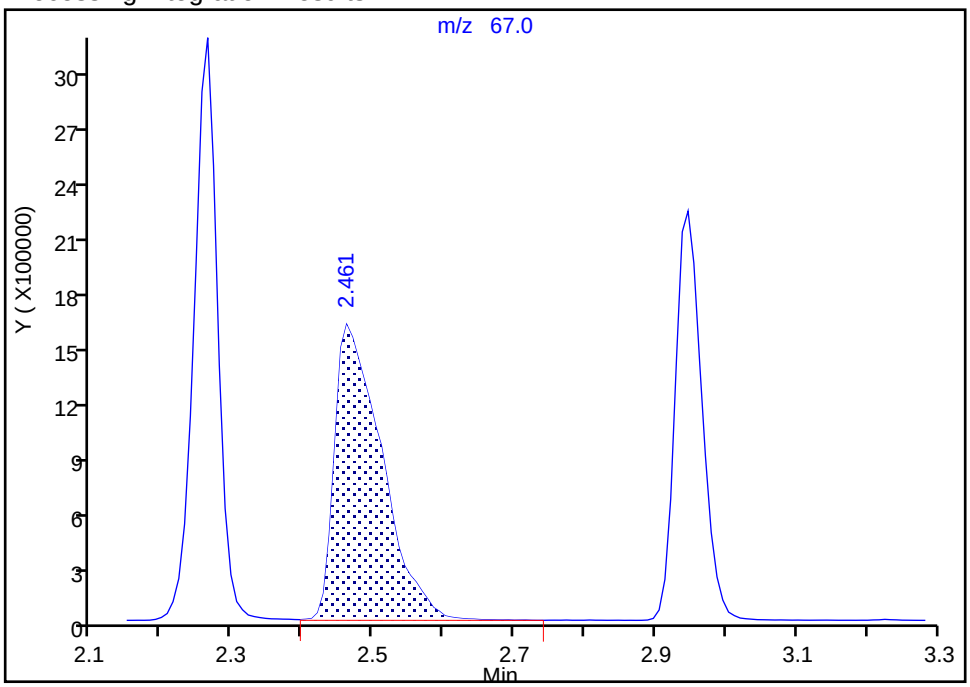
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Cyclopentene, CAS: 142-29-0

Signal: 1

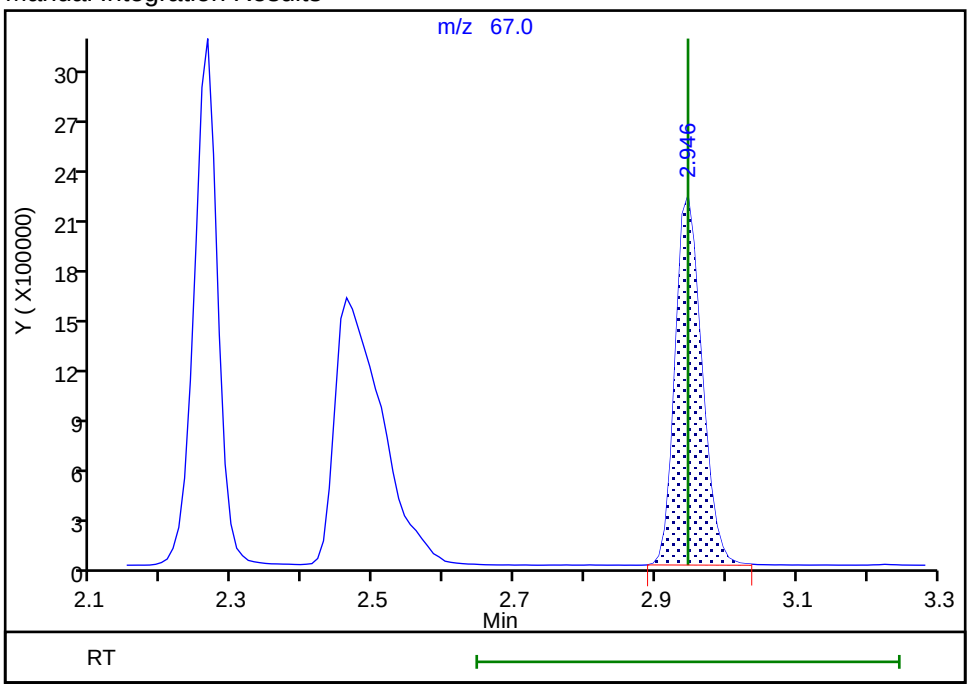
Processing Integration Results

RT: 2.46
Area: 7359504
Amount: 459.5111
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 5746050
Amount: 485.8036
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:38:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

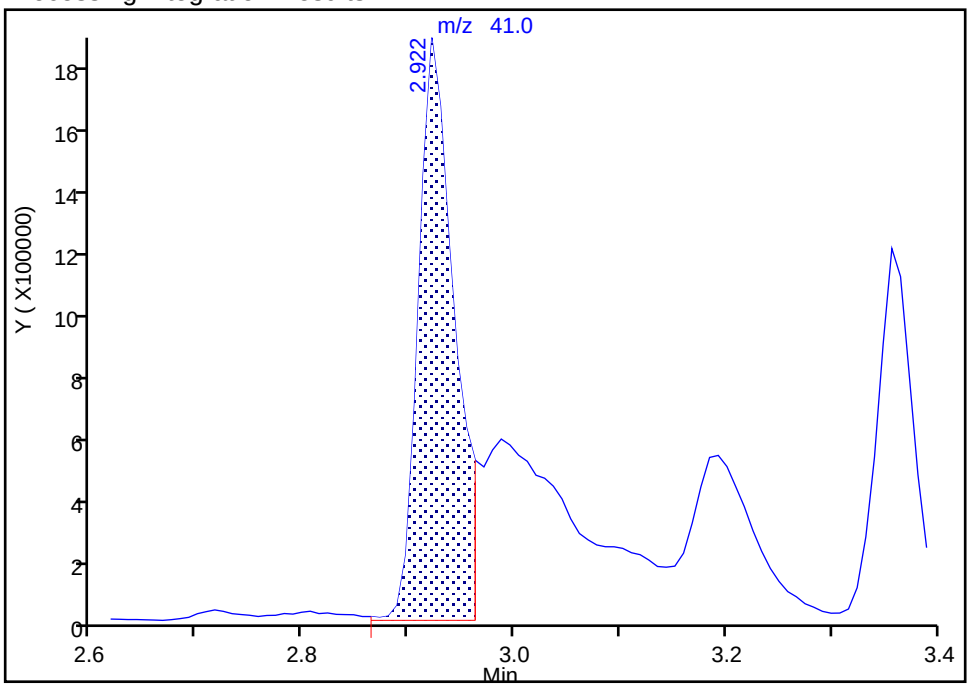
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

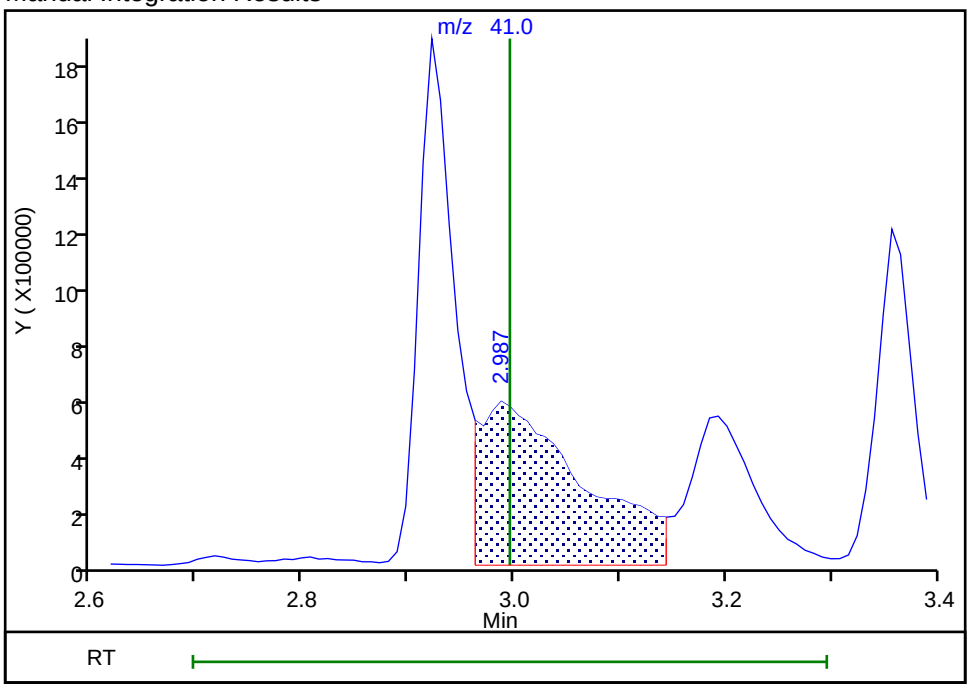
Processing Integration Results

RT: 2.92
Area: 4501026
Amount: 5002.6428
Amount Units: ug/l



Manual Integration Results

RT: 2.99
Area: 4074003
Amount: 5001.7970
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 20:54:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

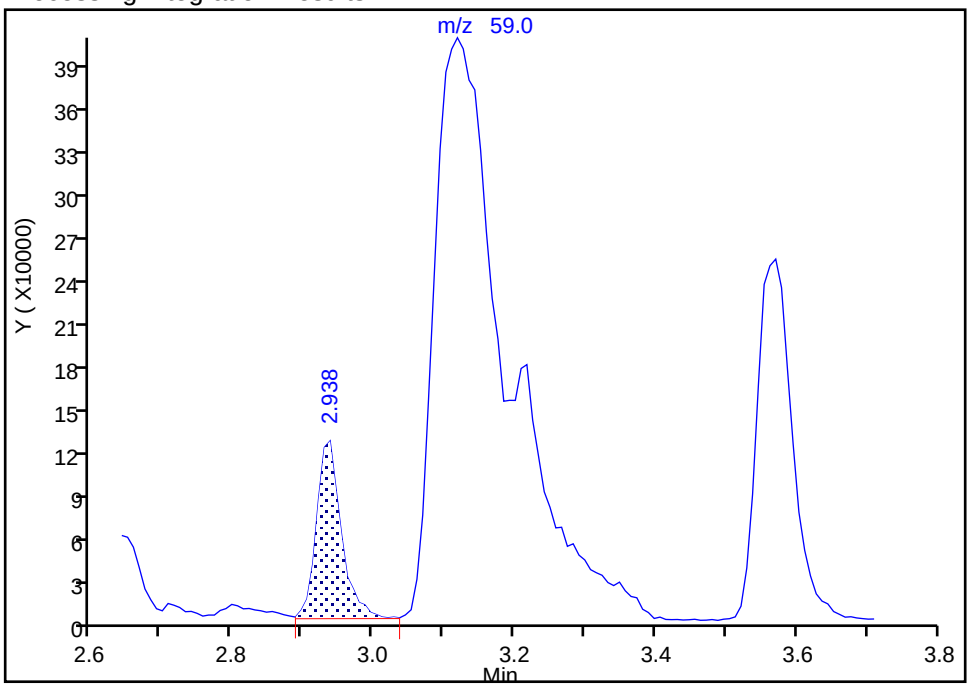
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

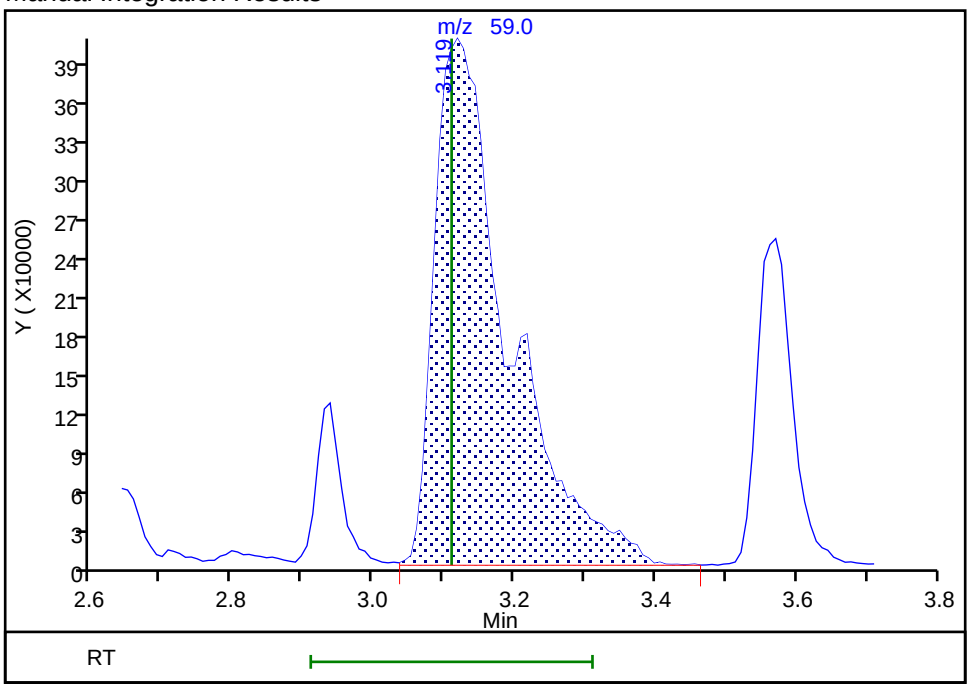
Processing Integration Results

RT: 2.94
Area: 302876
Amount: 682.4199
Amount Units: ug/l



Manual Integration Results

RT: 3.12
Area: 2951930
Amount: 4423.6815
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:42:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

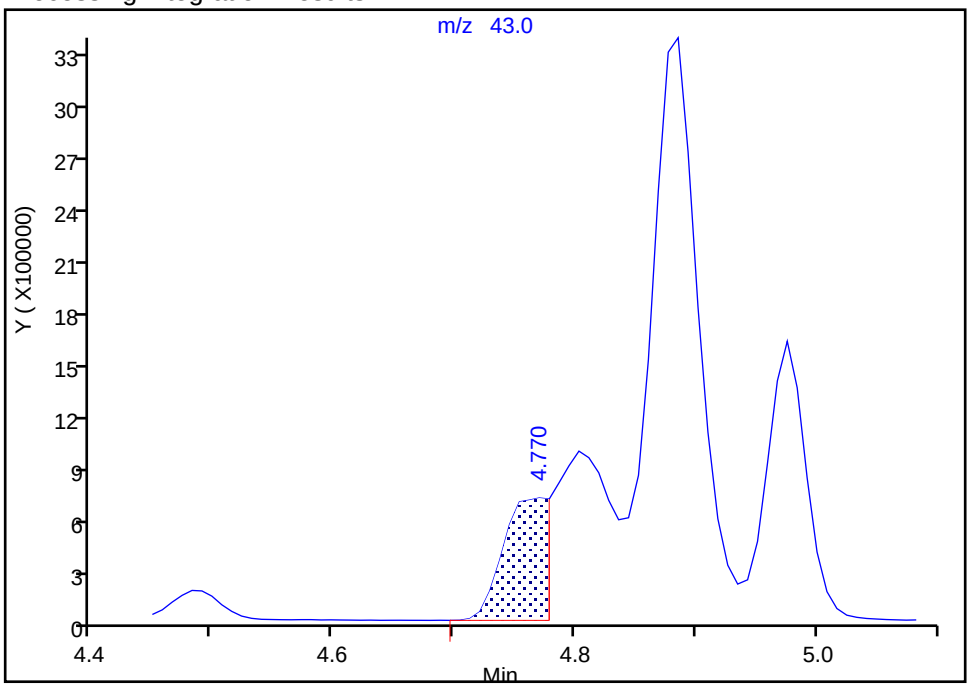
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

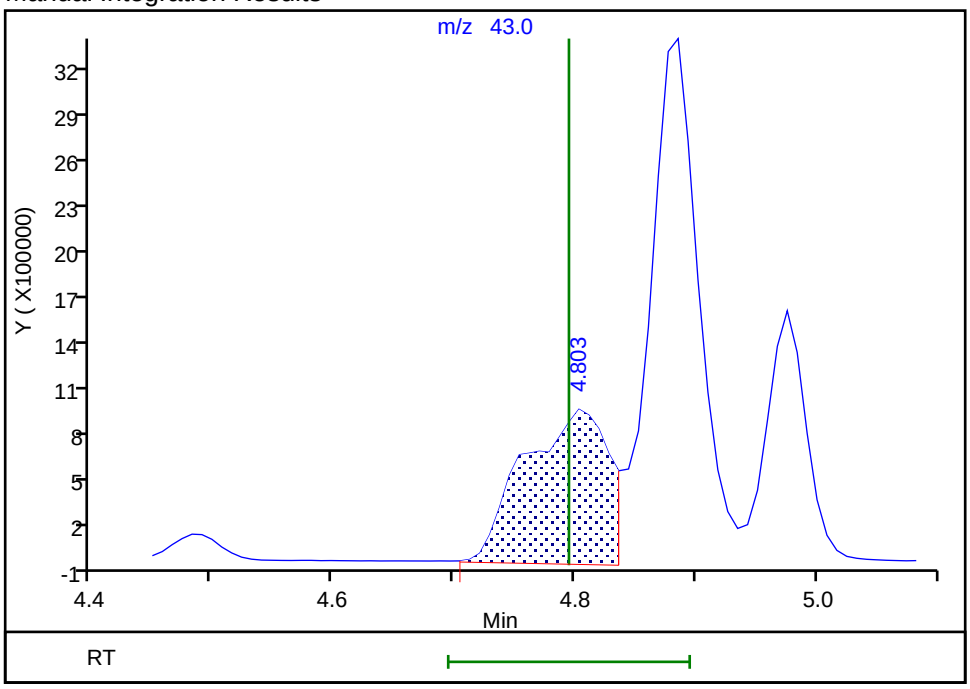
Processing Integration Results

RT: 4.77
Area: 1937285
Amount: 6220.7264
Amount Units: ug/l



Manual Integration Results

RT: 4.80
Area: 4916822
Amount: 12494
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:06:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

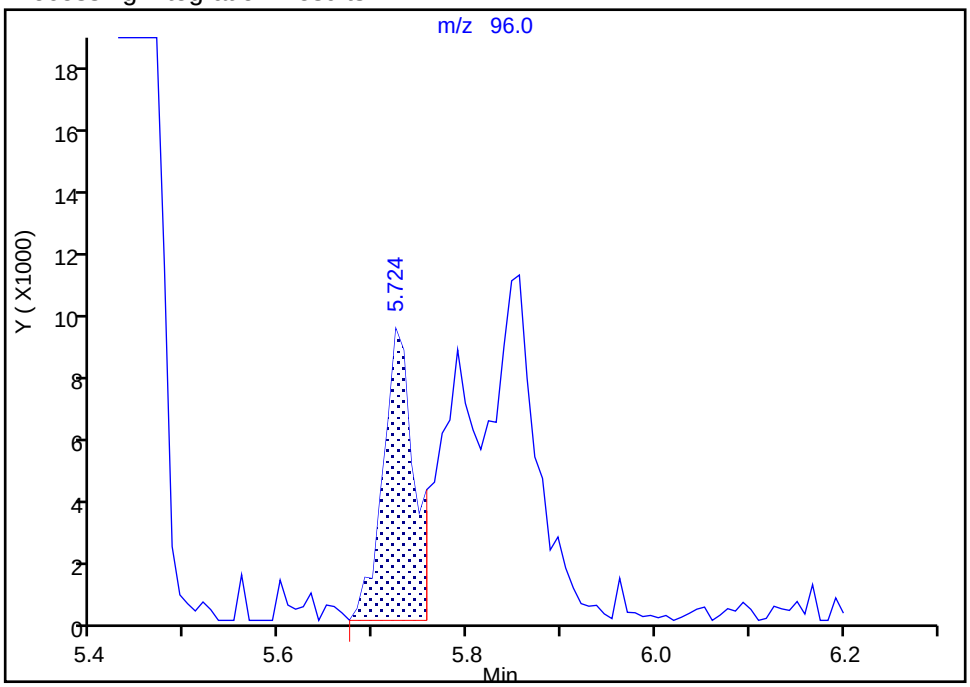
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D
Injection Date: 10-Jul-2021 11:23:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

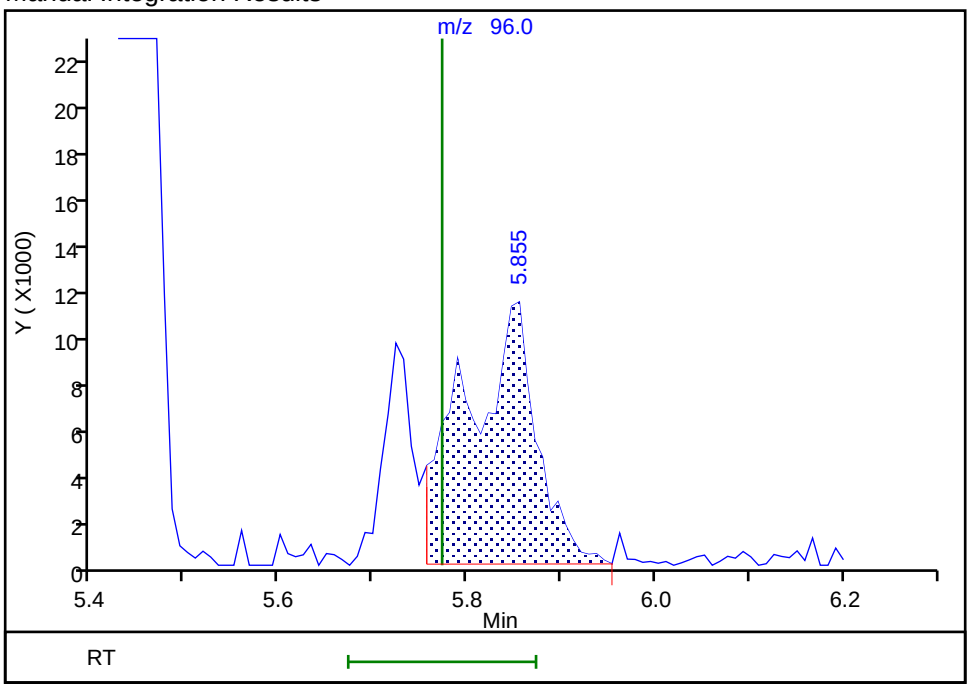
Processing Integration Results

RT: 5.72
Area: 22045
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.86
Area: 58708
Amount: 1000.0000
Amount Units: ug/l



Reviewer: tupayachia, 10-Jul-2021 11:41:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

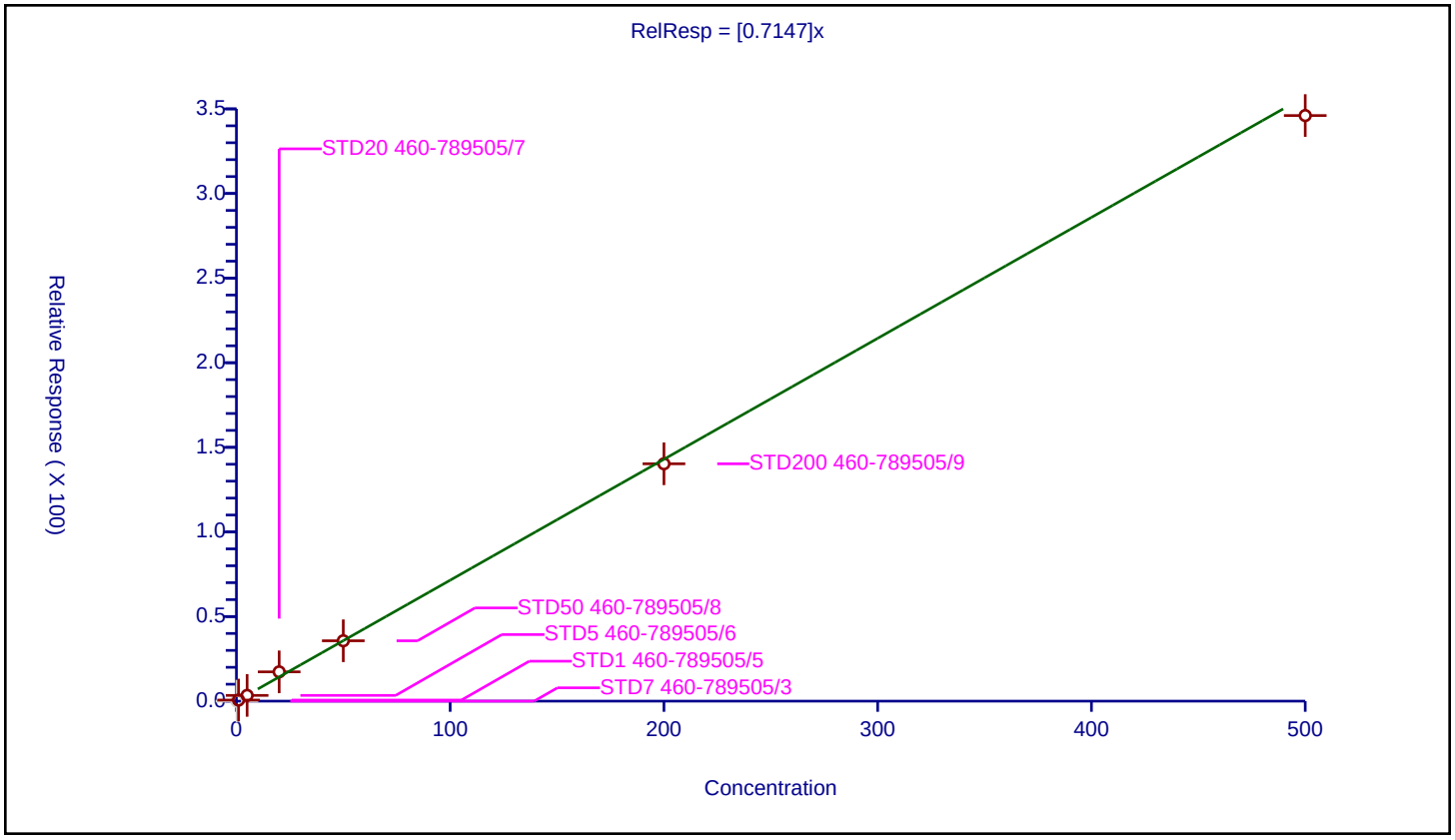
Curve Coefficients

Intercept:	0
Slope:	0.7147

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	0.637591	50.0	490910.0	0.637591	Y
3	STD5 460-789505/6	5.0	3.395373	50.0	501506.0	0.679075	Y
4	STD20 460-789505/7	20.0	17.299684	50.0	483136.0	0.864984	Y
5	STD50 460-789505/8	50.0	35.667294	50.0	532771.0	0.713346	Y
6	STD200 460-789505/9	200.0	140.268585	50.0	595417.0	0.701343	Y
7	STD500 460-789505/10	500.0	346.062432	50.0	695188.0	0.692125	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

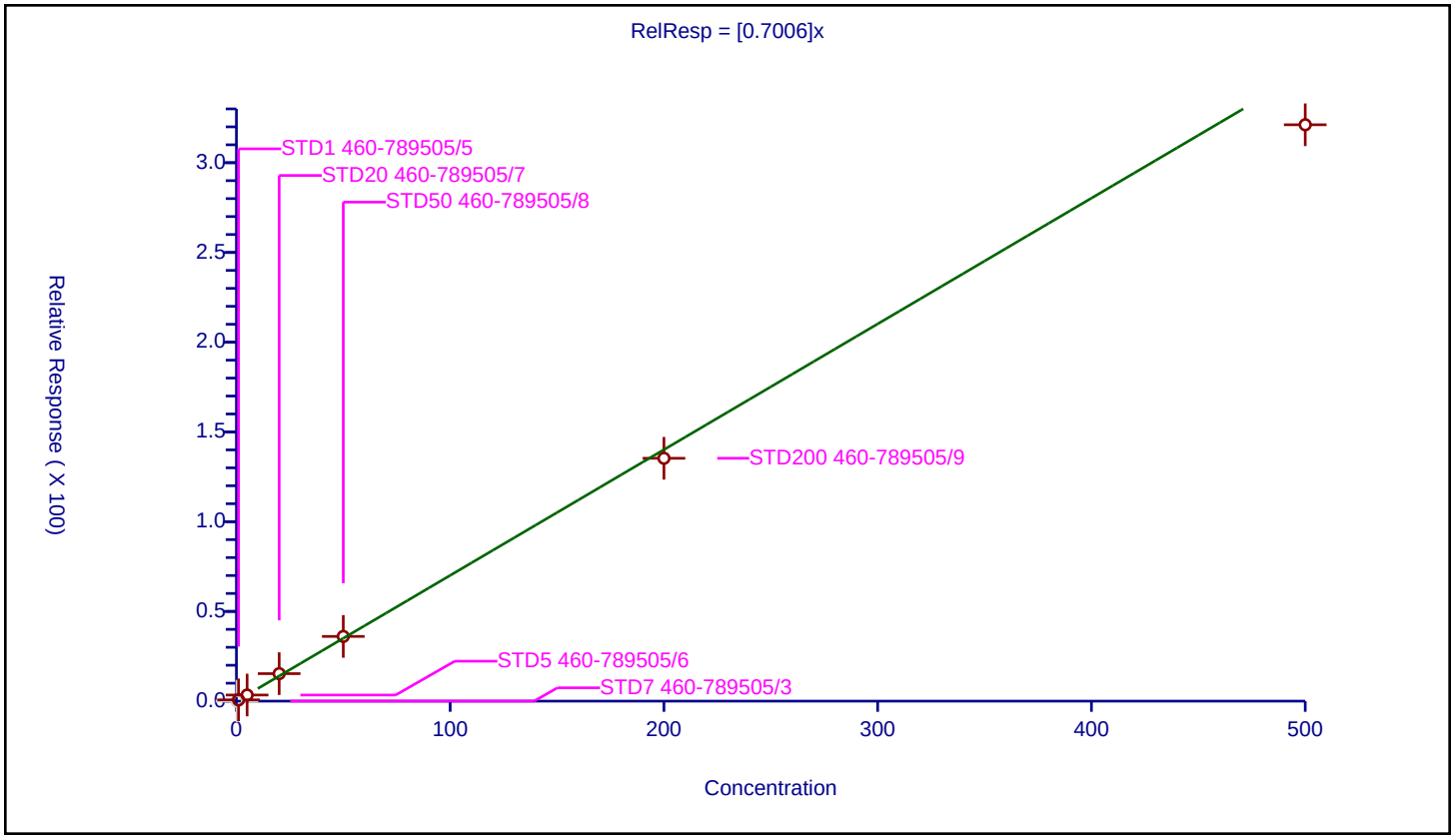
Curve Coefficients

Intercept:	0
Slope:	0.7006

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	0.716221	50.0	490910.0	0.716221	Y
3	STD5 460-789505/6	5.0	3.407138	50.0	501506.0	0.681428	Y
4	STD20 460-789505/7	20.0	15.321048	50.0	483136.0	0.766052	Y
5	STD50 460-789505/8	50.0	36.058363	50.0	532771.0	0.721167	Y
6	STD200 460-789505/9	200.0	135.329609	50.0	595417.0	0.676648	Y
7	STD500 460-789505/10	500.0	321.152839	50.0	695188.0	0.642306	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

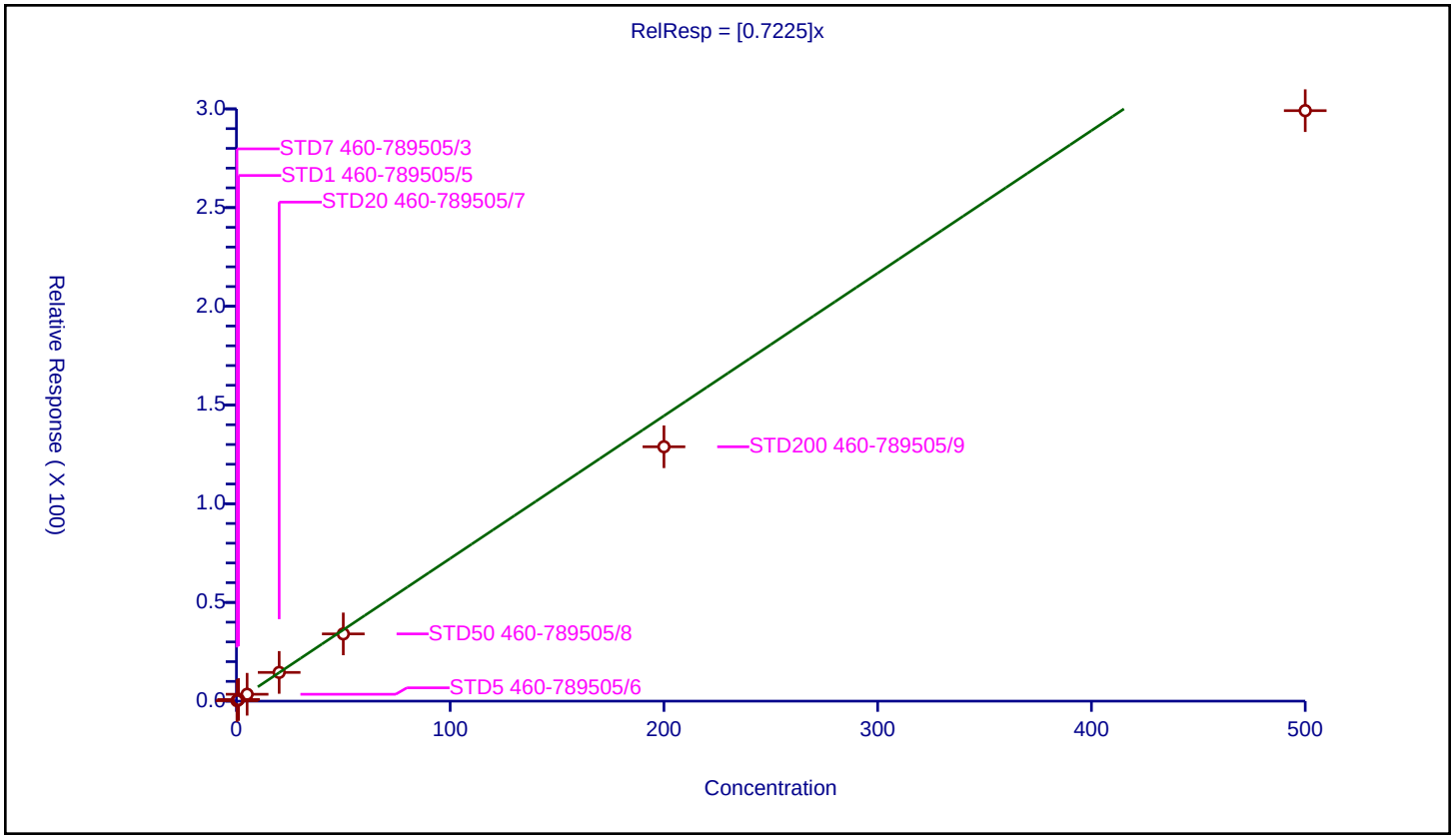
Curve Coefficients

Intercept:	0
Slope:	0.7225

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	14.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.224166	50.0	478218.0	0.896662	Y
2	STD1 460-789505/5	1.0	0.811452	50.0	490910.0	0.811452	Y
3	STD5 460-789505/6	5.0	3.493777	50.0	501506.0	0.698755	Y
4	STD20 460-789505/7	20.0	14.545697	50.0	483136.0	0.727285	Y
5	STD50 460-789505/8	50.0	34.057503	50.0	532771.0	0.68115	Y
6	STD200 460-789505/9	200.0	128.850873	50.0	595417.0	0.644254	Y
7	STD500 460-789505/10	500.0	299.112542	50.0	695188.0	0.598225	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

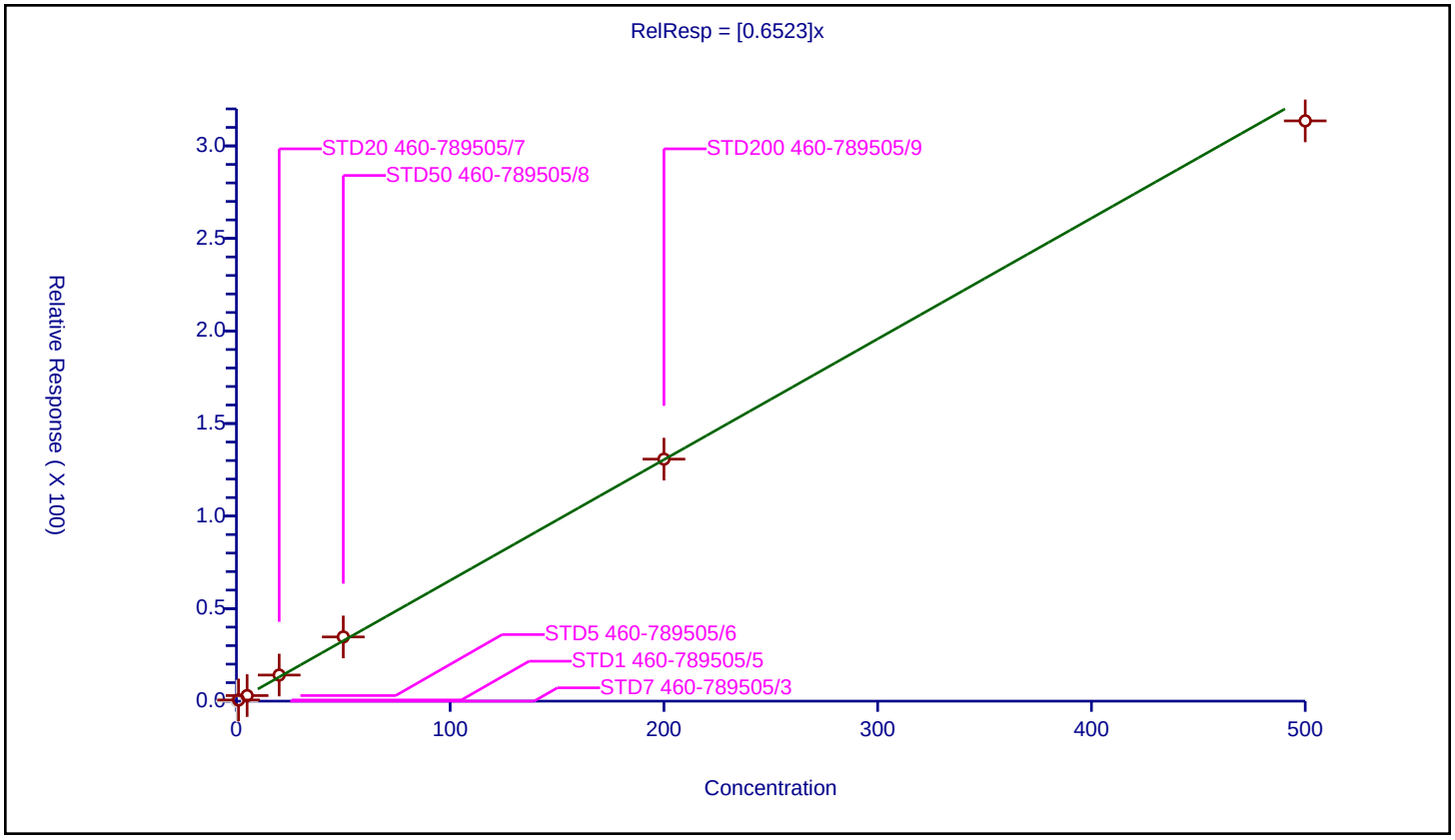
Curve Coefficients

Intercept:	0
Slope:	0.6523

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	0.633314	50.0	490910.0	0.633314	Y
3	STD5 460-789505/6	5.0	3.007541	50.0	501506.0	0.601508	Y
4	STD20 460-789505/7	20.0	14.092719	50.0	483136.0	0.704636	Y
5	STD50 460-789505/8	50.0	34.688074	50.0	532771.0	0.693761	Y
6	STD200 460-789505/9	200.0	130.756596	50.0	595417.0	0.653783	Y
7	STD500 460-789505/10	500.0	313.522457	50.0	695188.0	0.627045	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

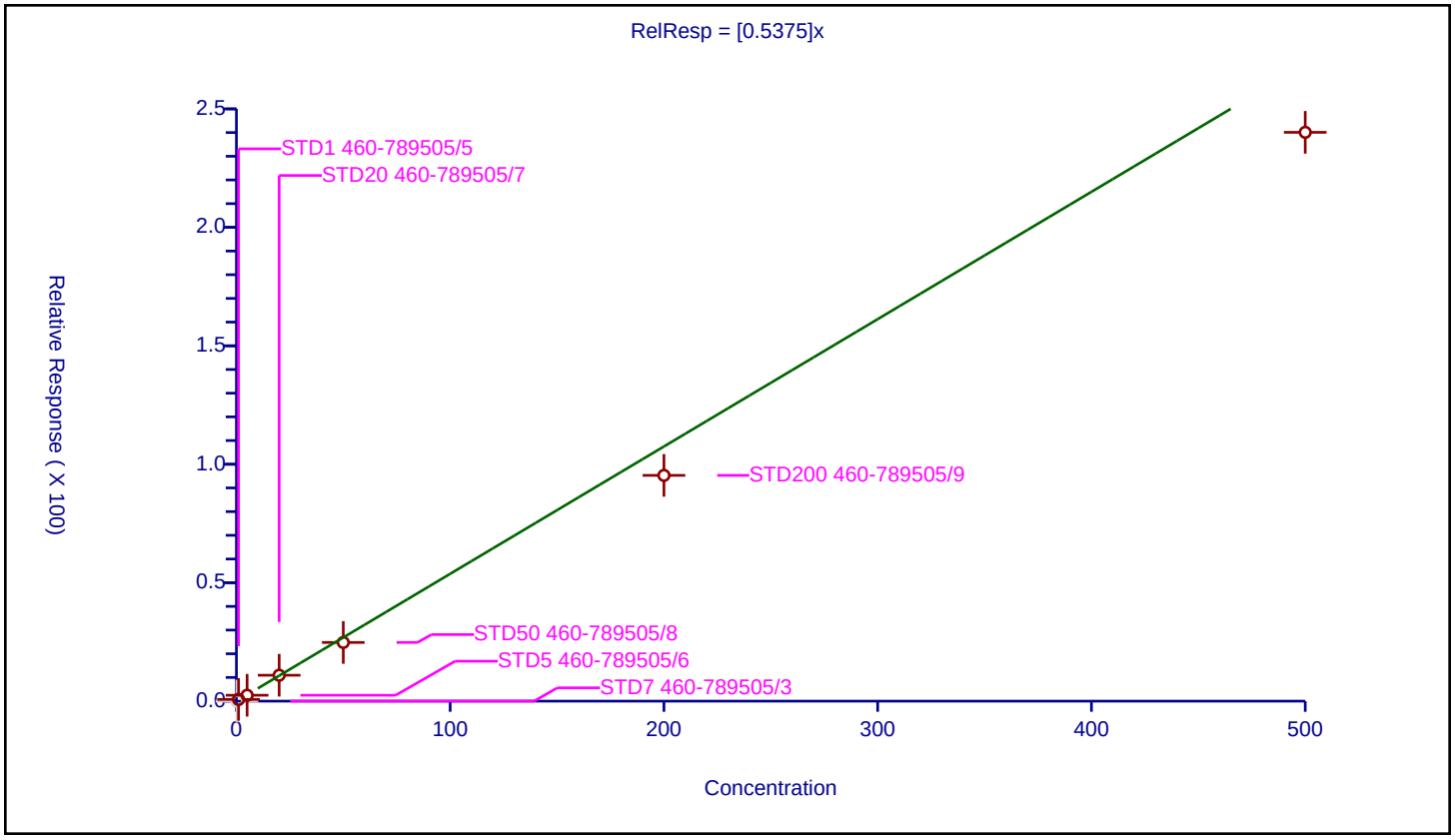
Curve Coefficients

Intercept:	0
Slope:	0.5375

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	18.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	0.728443	50.0	490910.0	0.728443	Y
3	STD5 460-789505/6	5.0	2.488804	50.0	501506.0	0.497761	Y
4	STD20 460-789505/7	20.0	10.929945	50.0	483136.0	0.546497	Y
5	STD50 460-789505/8	50.0	24.773683	50.0	532771.0	0.495474	Y
6	STD200 460-789505/9	200.0	95.296406	50.0	595417.0	0.476482	Y
7	STD500 460-789505/10	500.0	240.104188	50.0	695188.0	0.480208	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

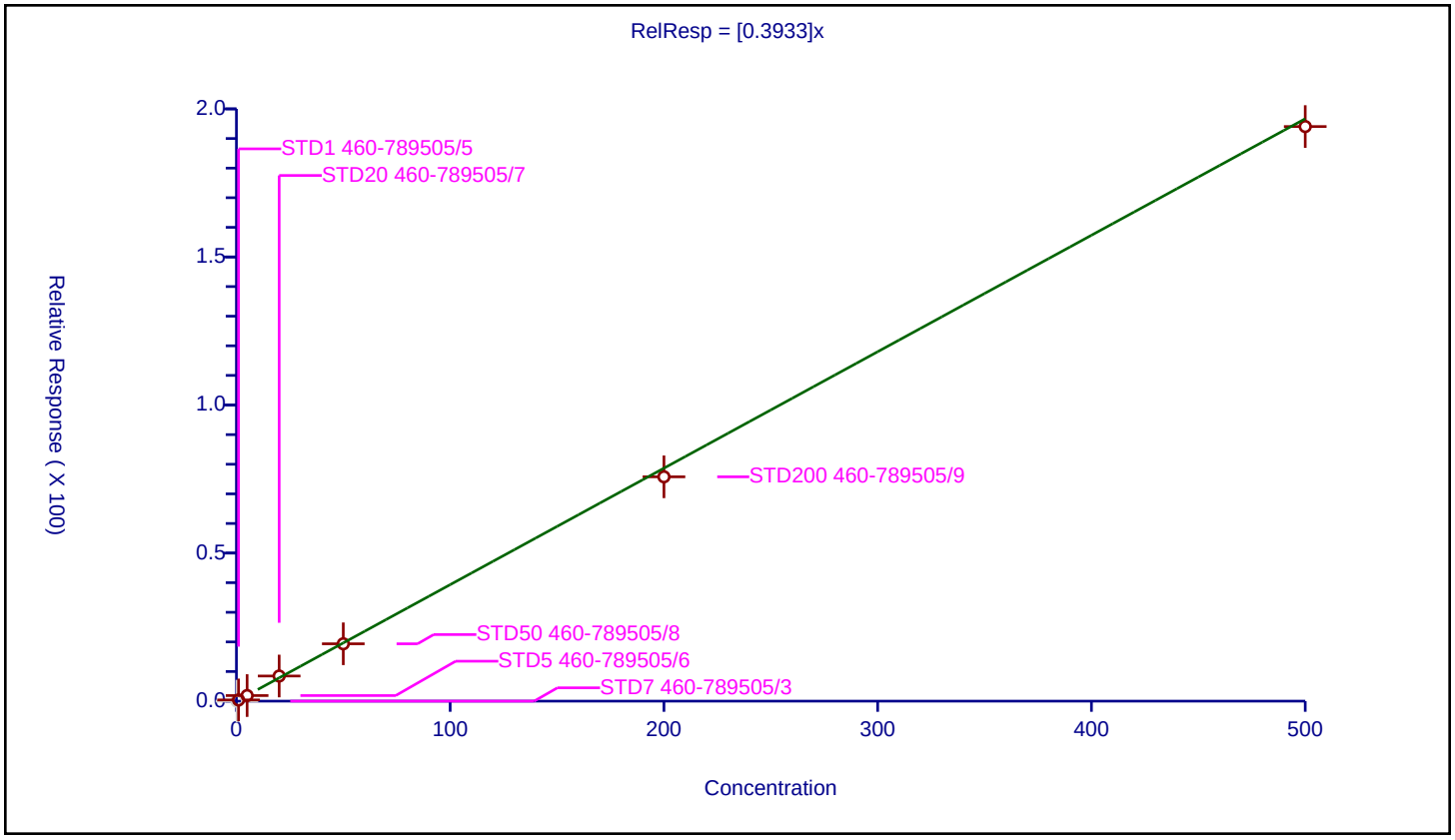
Curve Coefficients

Intercept:	0
Slope:	0.3933

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	4.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	0.405268	50.0	490910.0	0.405268	Y
3	STD5 460-789505/6	5.0	1.881034	50.0	501506.0	0.376207	Y
4	STD20 460-789505/7	20.0	8.484878	50.0	483136.0	0.424244	Y
5	STD50 460-789505/8	50.0	19.367421	50.0	532771.0	0.387348	Y
6	STD200 460-789505/9	200.0	75.755479	50.0	595417.0	0.378777	Y
7	STD500 460-789505/10	500.0	194.035426	50.0	695188.0	0.388071	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

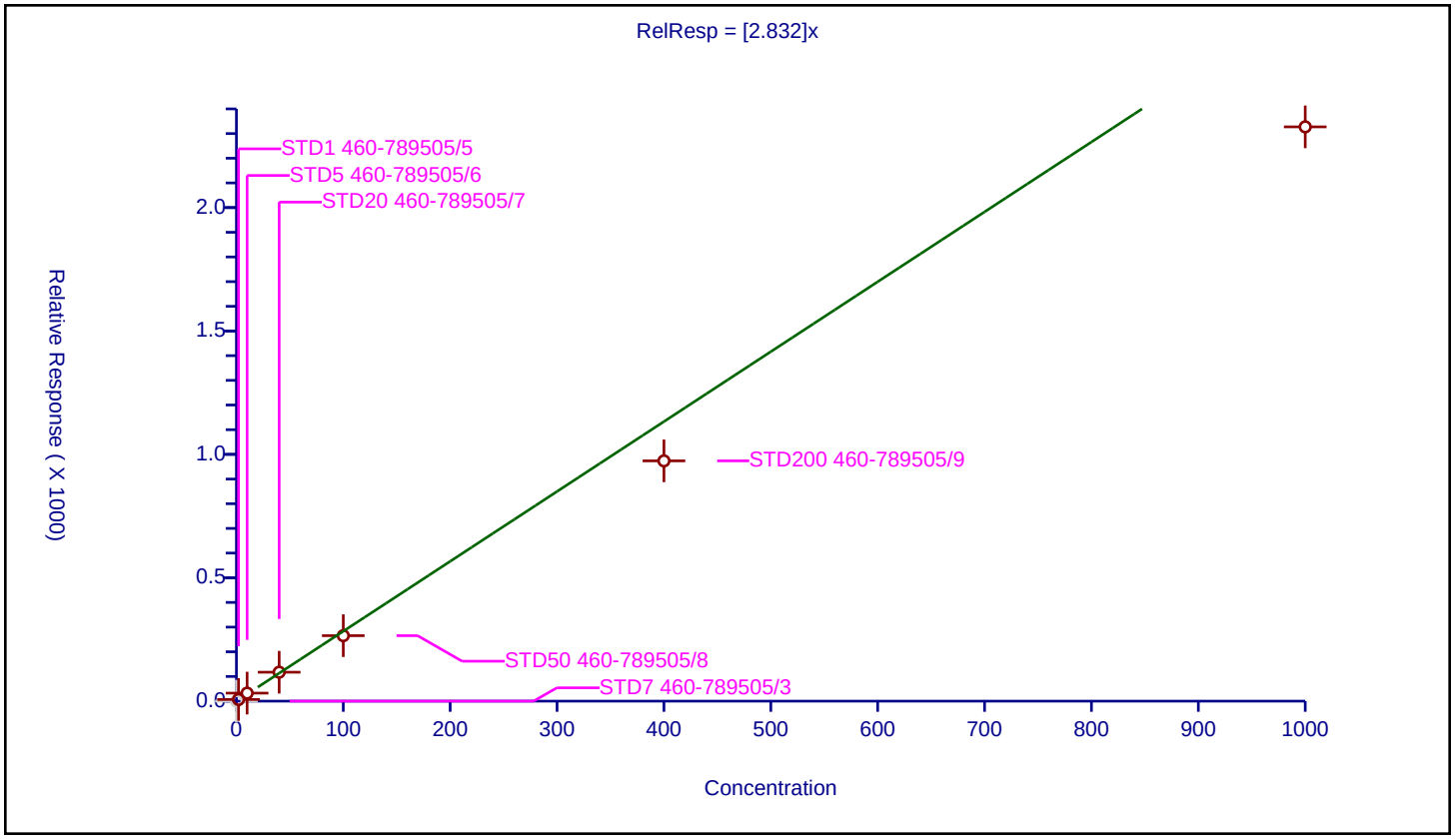
Curve Coefficients

Intercept:	0
Slope:	2.832

Error Coefficients

Standard Error:	546000
Relative Standard Error:	15.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	2.0	6.788178	1000.0	282992.0	3.394089	Y
3	STD5 460-789505/6	10.0	32.5345	1000.0	310286.0	3.25345	Y
4	STD20 460-789505/7	40.0	117.281212	1000.0	279448.0	2.93203	Y
5	STD50 460-789505/8	100.0	265.308178	1000.0	307793.0	2.653082	Y
6	STD200 460-789505/9	400.0	973.689197	1000.0	390562.0	2.434223	Y
7	STD500 460-789505/10	1000.0	2327.13437	1000.0	498578.0	2.327134	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

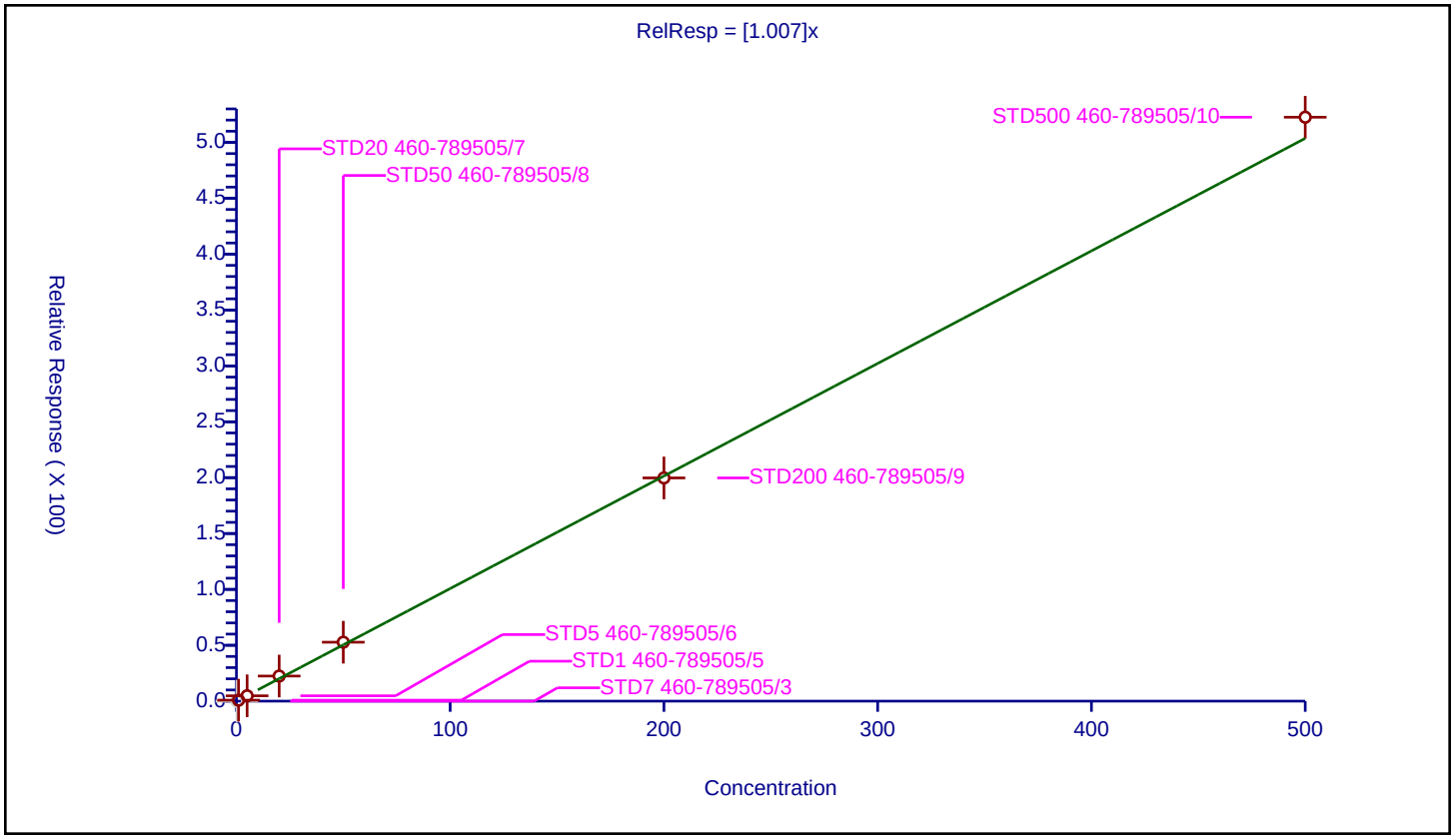
Curve Coefficients

Intercept:	0
Slope:	1.007

Error Coefficients

Standard Error:	3430000
Relative Standard Error:	8.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	0.865332	50.0	490910.0	0.865332	Y
3	STD5 460-789505/6	5.0	4.783692	50.0	501506.0	0.956738	Y
4	STD20 460-789505/7	20.0	22.459618	50.0	483136.0	1.122981	Y
5	STD50 460-789505/8	50.0	52.740765	50.0	532771.0	1.054815	Y
6	STD200 460-789505/9	200.0	199.737495	50.0	595417.0	0.998687	Y
7	STD500 460-789505/10	500.0	522.563968	50.0	695188.0	1.045128	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

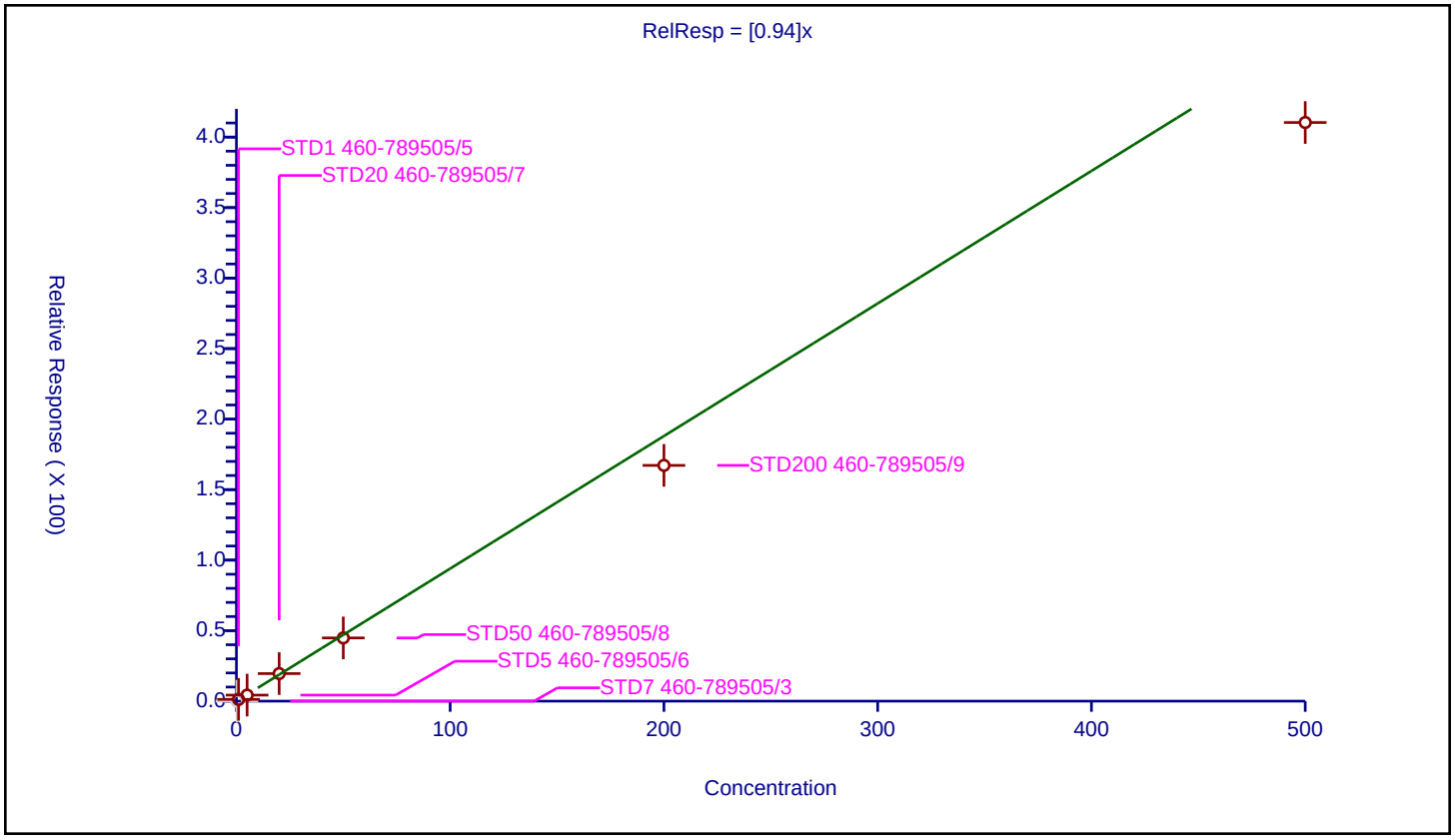
Curve Coefficients

Intercept:	0
Slope:	0.94

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	17.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.25	0.0	50.0	478218.0	0.0	N
2	STD1 460-789505/5	1.0	1.254812	50.0	490910.0	1.254812	Y
3	STD5 460-789505/6	5.0	4.271434	50.0	501506.0	0.854287	Y
4	STD20 460-789505/7	20.0	19.548636	50.0	483136.0	0.977432	Y
5	STD50 460-789505/8	50.0	44.837651	50.0	532771.0	0.896753	Y
6	STD200 460-789505/9	200.0	167.188038	50.0	595417.0	0.83594	Y
7	STD500 460-789505/10	500.0	410.346122	50.0	695188.0	0.820692	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

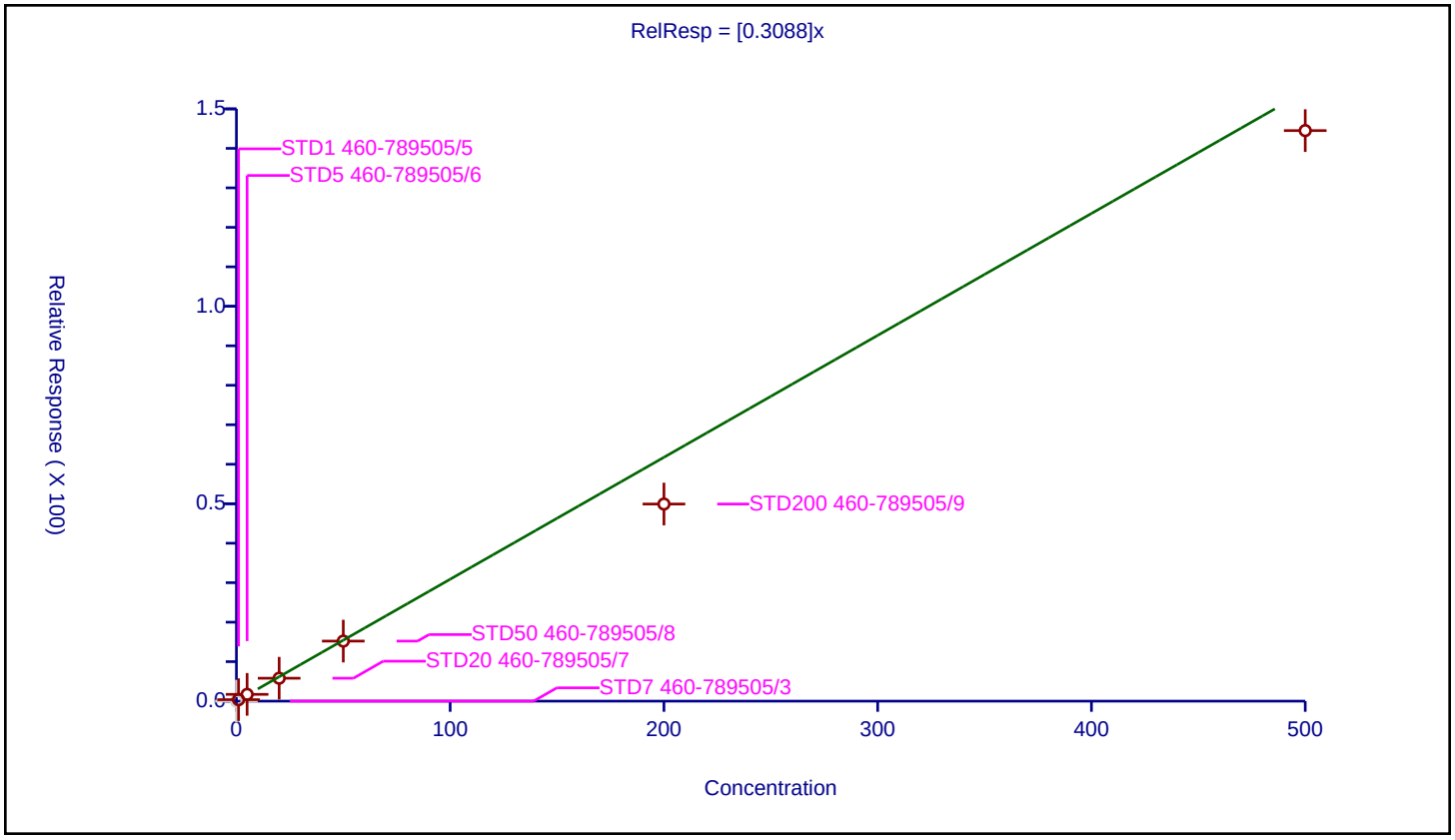
Curve Coefficients

Intercept:	0
Slope:	0.3088

Error Coefficients

Standard Error:	940000
Relative Standard Error:	14.5
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.376749	50.0	490910.0	0.376749	Y
3	STD5 460-789505/6	5.0	1.714436	50.0	501506.0	0.342887	Y
4	STD20 460-789505/7	20.0	5.806026	50.0	483136.0	0.290301	Y
5	STD50 460-789505/8	50.0	15.207378	50.0	532771.0	0.304148	Y
6	STD200 460-789505/9	200.0	49.921568	50.0	595417.0	0.249608	Y
7	STD500 460-789505/10	500.0	144.499761	50.0	695188.0	0.289	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

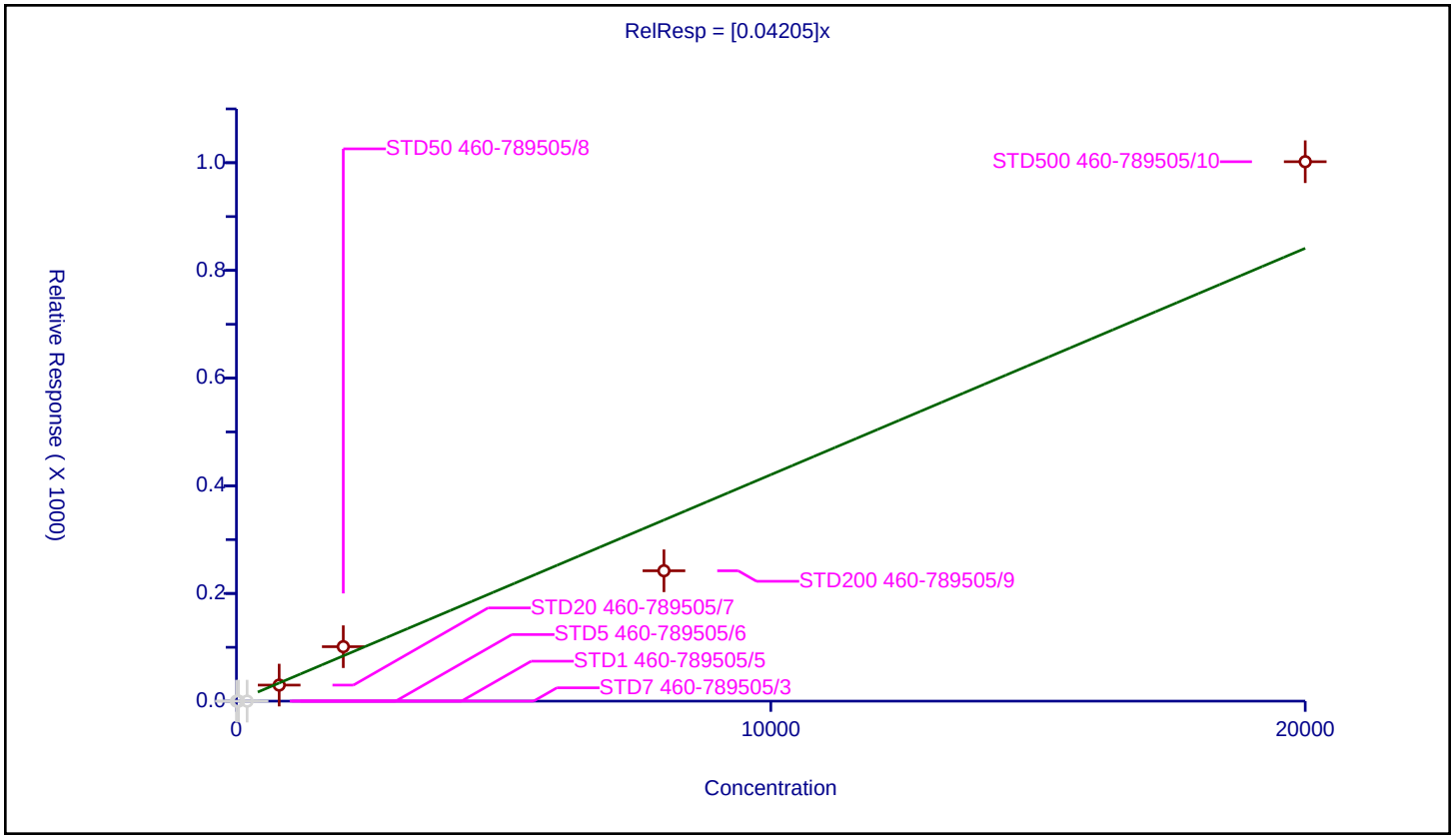
Curve Coefficients

Intercept:	0
Slope:	0.04205

Error Coefficients

Standard Error:	294000
Relative Standard Error:	23.7
Correlation Coefficient:	0.957
Coefficient of Determination (Adjusted):	0.926

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	40.0	0.0	1000.0	282992.0	0.0	N
3	STD5 460-789505/6	200.0	0.0	1000.0	310286.0	0.0	N
4	STD20 460-789505/7	800.0	29.819501	1000.0	279448.0	0.037274	Y
5	STD50 460-789505/8	2000.0	101.158896	1000.0	307793.0	0.050579	Y
6	STD200 460-789505/9	8000.0	242.102406	1000.0	390562.0	0.030263	Y
7	STD500 460-789505/10	20000.0	1001.92347	1000.0	498578.0	0.050096	Y



Calibration / 2-Methyl-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

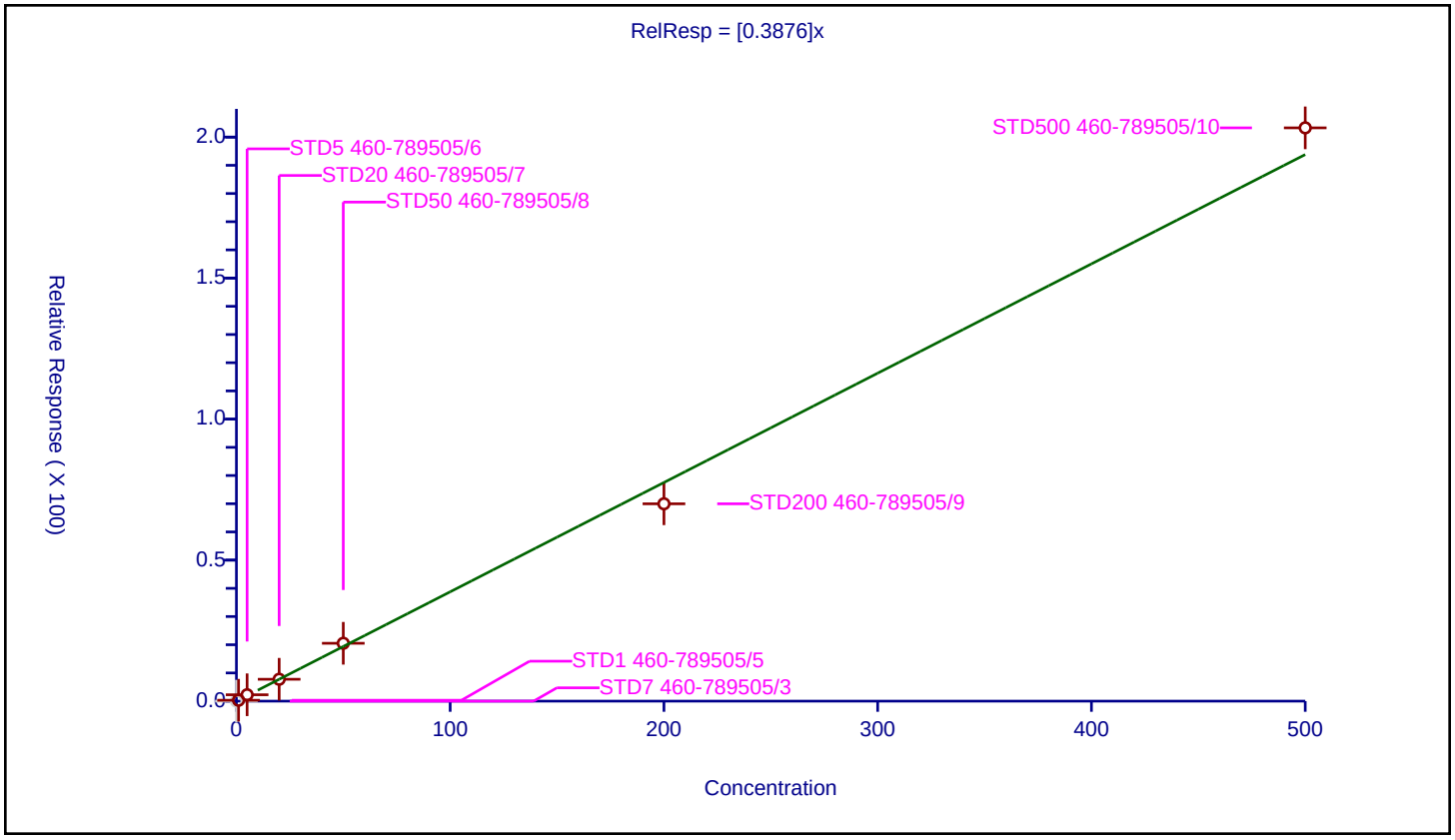
Curve Coefficients

Intercept:	0
Slope:	0.3876

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	12.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.319305	50.0	490910.0	0.319305	Y
3	STD5 460-789505/6	5.0	2.258298	50.0	501506.0	0.45166	Y
4	STD20 460-789505/7	20.0	7.758374	50.0	483136.0	0.387919	Y
5	STD50 460-789505/8	50.0	20.518103	50.0	532771.0	0.410362	Y
6	STD200 460-789505/9	200.0	69.97516	50.0	595417.0	0.349876	Y
7	STD500 460-789505/10	500.0	203.274582	50.0	695188.0	0.406549	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

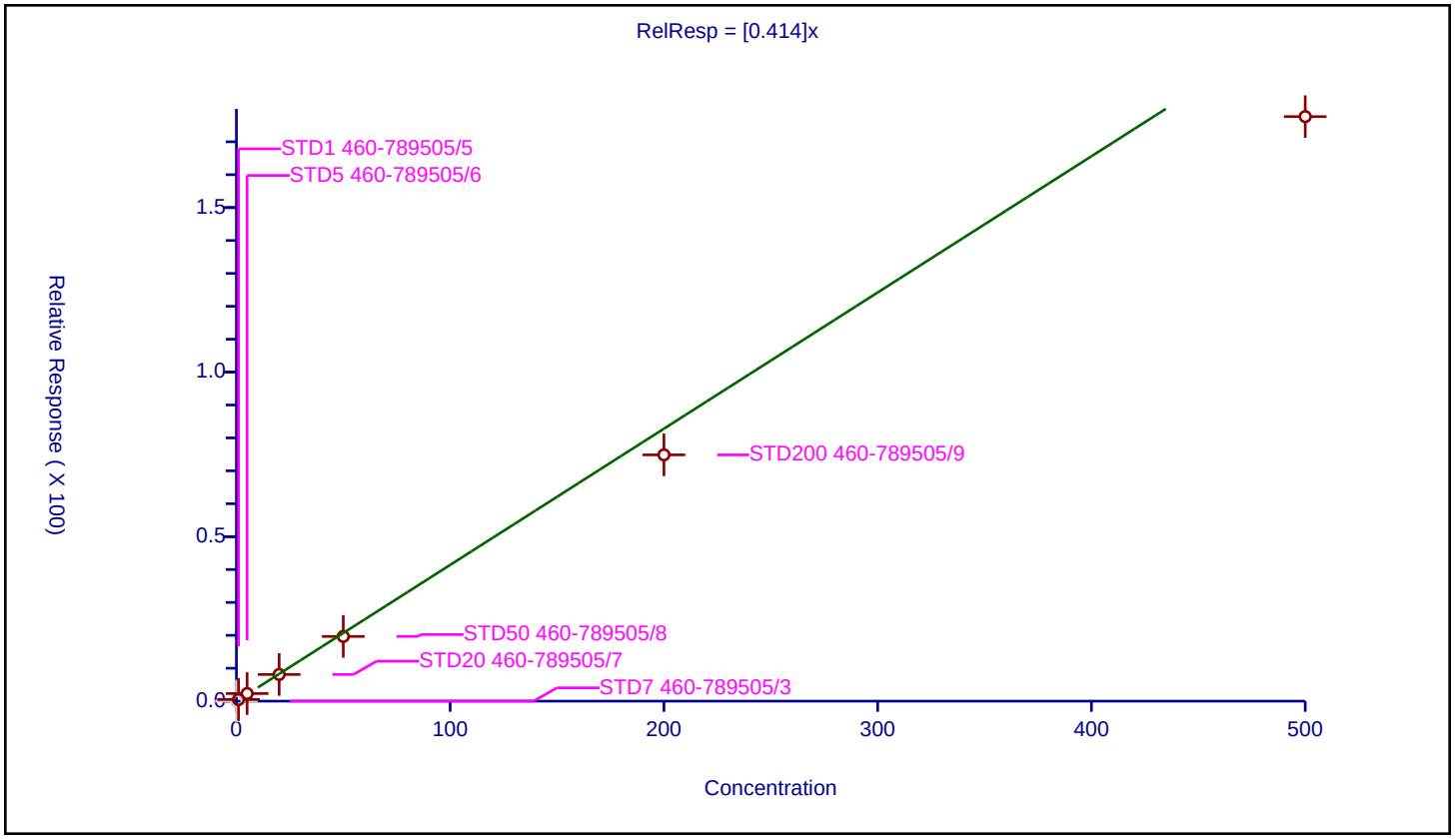
Curve Coefficients

Intercept:	0
Slope:	0.414

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	12.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.494184	50.0	490910.0	0.494184	Y
3	STD5 460-789505/6	5.0	2.307849	50.0	501506.0	0.46157	Y
4	STD20 460-789505/7	20.0	8.110035	50.0	483136.0	0.405502	Y
5	STD50 460-789505/8	50.0	19.663326	50.0	532771.0	0.393267	Y
6	STD200 460-789505/9	200.0	74.850063	50.0	595417.0	0.37425	Y
7	STD500 460-789505/10	500.0	177.655253	50.0	695188.0	0.355311	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

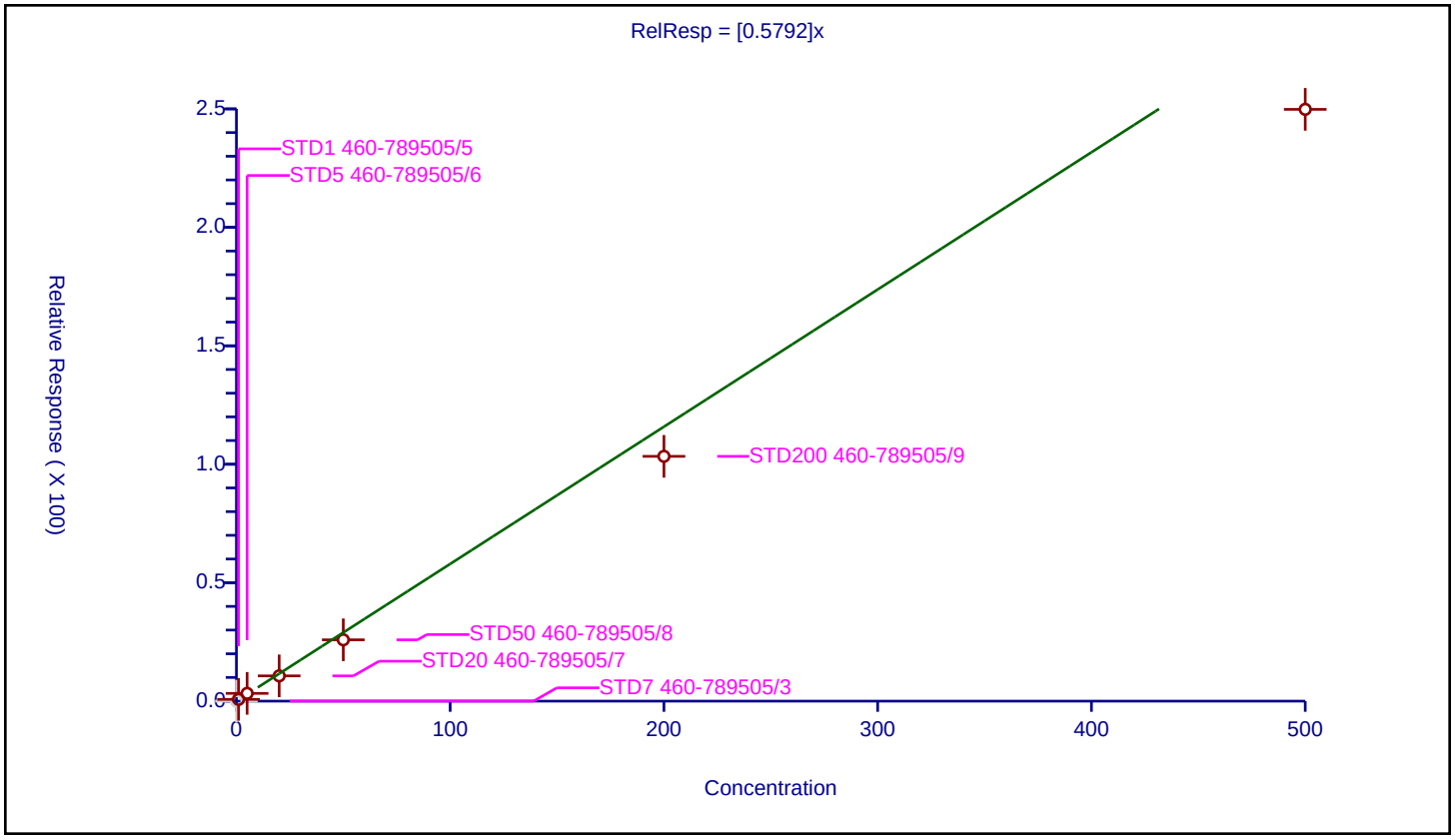
Curve Coefficients

Intercept:	0
Slope:	0.5792

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	17.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.752989	50.0	490910.0	0.752989	Y
3	STD5 460-789505/6	5.0	3.274138	50.0	501506.0	0.654828	Y
4	STD20 460-789505/7	20.0	10.668735	50.0	483136.0	0.533437	Y
5	STD50 460-789505/8	50.0	25.882884	50.0	532771.0	0.517658	Y
6	STD200 460-789505/9	200.0	103.338753	50.0	595417.0	0.516694	Y
7	STD500 460-789505/10	500.0	249.811921	50.0	695188.0	0.499624	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

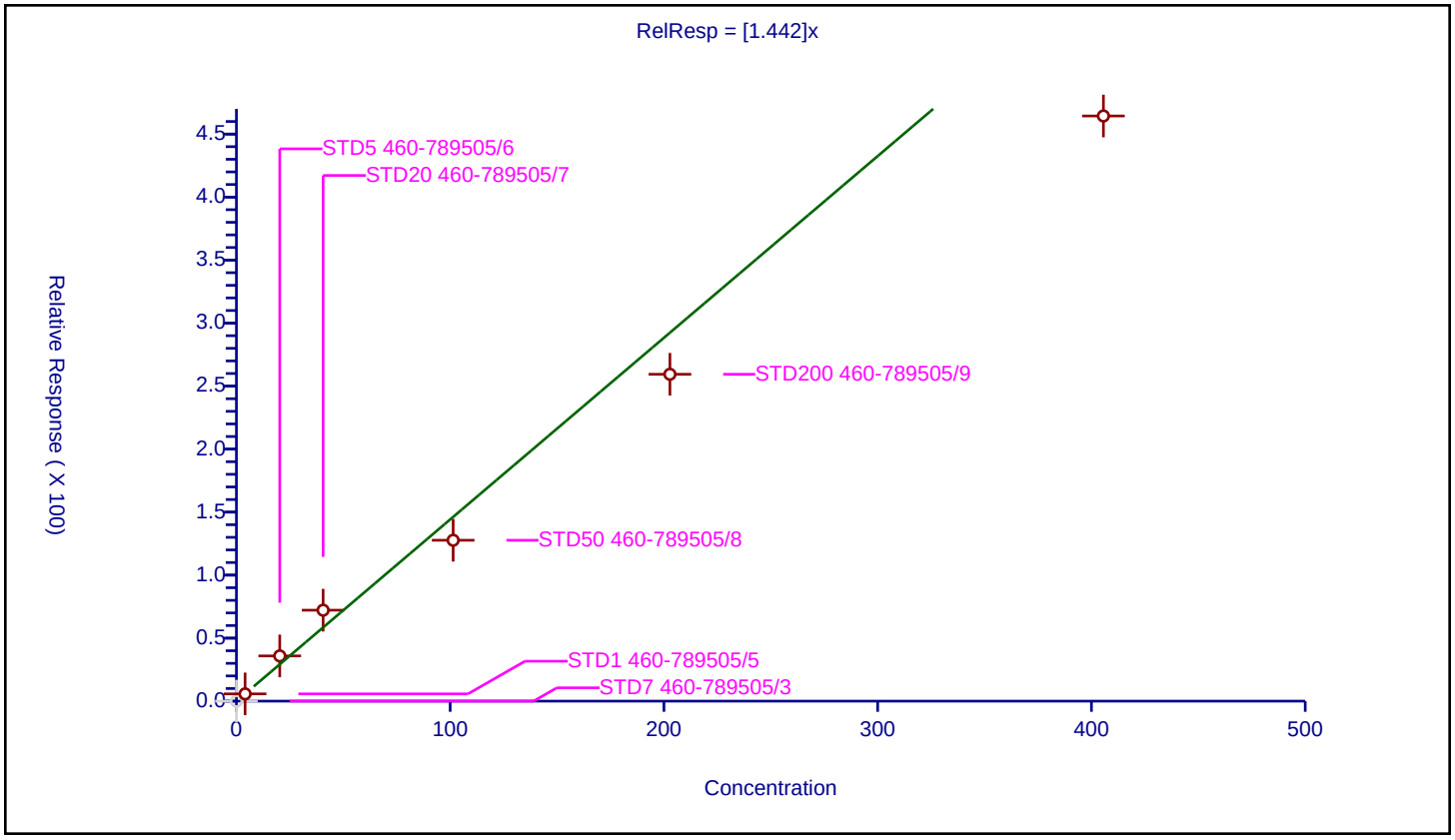
Curve Coefficients

Intercept:	0
Slope:	1.442

Error Coefficients

Standard Error:	115000
Relative Standard Error:	18.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	4.056	5.756346	1000.0	282992.0	1.419218	Y
3	STD5 460-789505/6	20.28	35.879801	1000.0	310286.0	1.769221	Y
4	STD20 460-789505/7	40.56	72.167273	1000.0	279448.0	1.779272	Y
5	STD50 460-789505/8	101.4	127.666971	1000.0	307793.0	1.259043	Y
6	STD200 460-789505/9	202.8	259.390314	1000.0	390562.0	1.279045	Y
7	STD500 460-789505/10	405.6	464.382704	1000.0	498578.0	1.144928	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

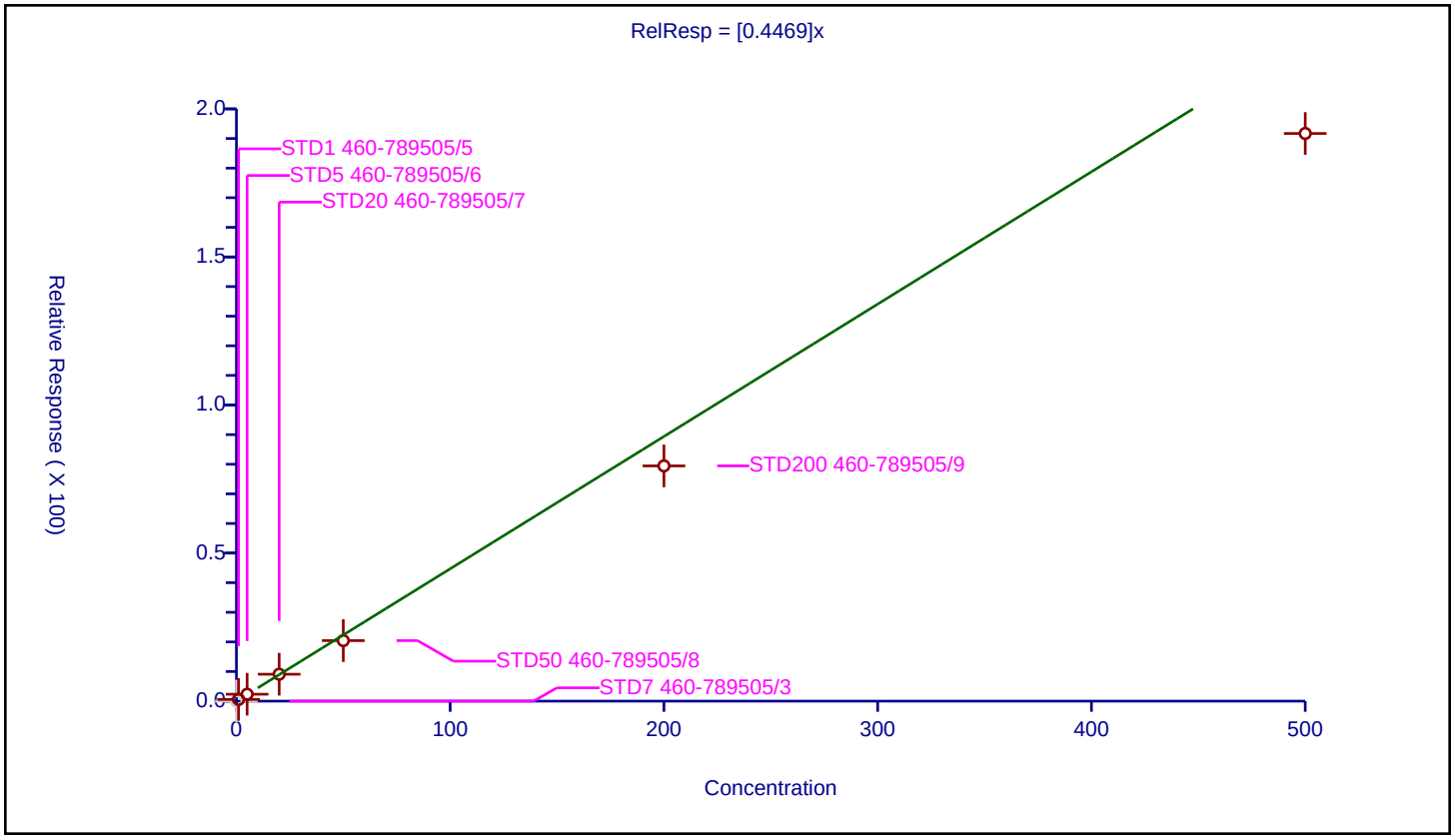
Curve Coefficients

Intercept:	0
Slope:	0.4469

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	15.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.570267	50.0	490910.0	0.570267	Y
3	STD5 460-789505/6	5.0	2.337659	50.0	501506.0	0.467532	Y
4	STD20 460-789505/7	20.0	9.086158	50.0	483136.0	0.454308	Y
5	STD50 460-789505/8	50.0	20.437111	50.0	532771.0	0.408742	Y
6	STD200 460-789505/9	200.0	79.44449	50.0	595417.0	0.397222	Y
7	STD500 460-789505/10	500.0	191.70131	50.0	695188.0	0.383403	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

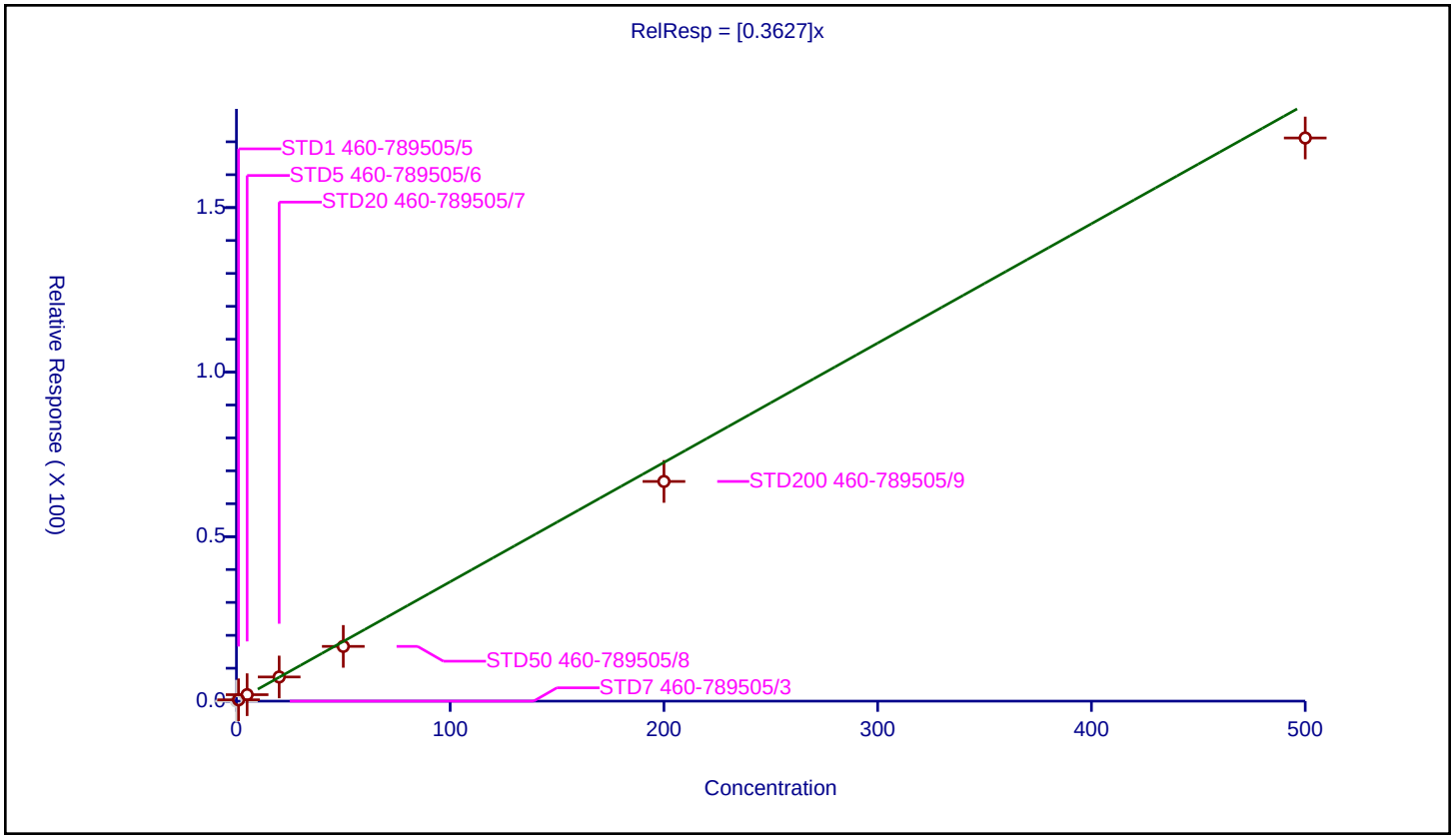
Curve Coefficients

Intercept:	0
Slope:	0.3627

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	8.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.40812	50.0	490910.0	0.40812	Y
3	STD5 460-789505/6	5.0	1.960694	50.0	501506.0	0.392139	Y
4	STD20 460-789505/7	20.0	7.346793	50.0	483136.0	0.36734	Y
5	STD50 460-789505/8	50.0	16.635196	50.0	532771.0	0.332704	Y
6	STD200 460-789505/9	200.0	66.771859	50.0	595417.0	0.333859	Y
7	STD500 460-789505/10	500.0	171.162837	50.0	695188.0	0.342326	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

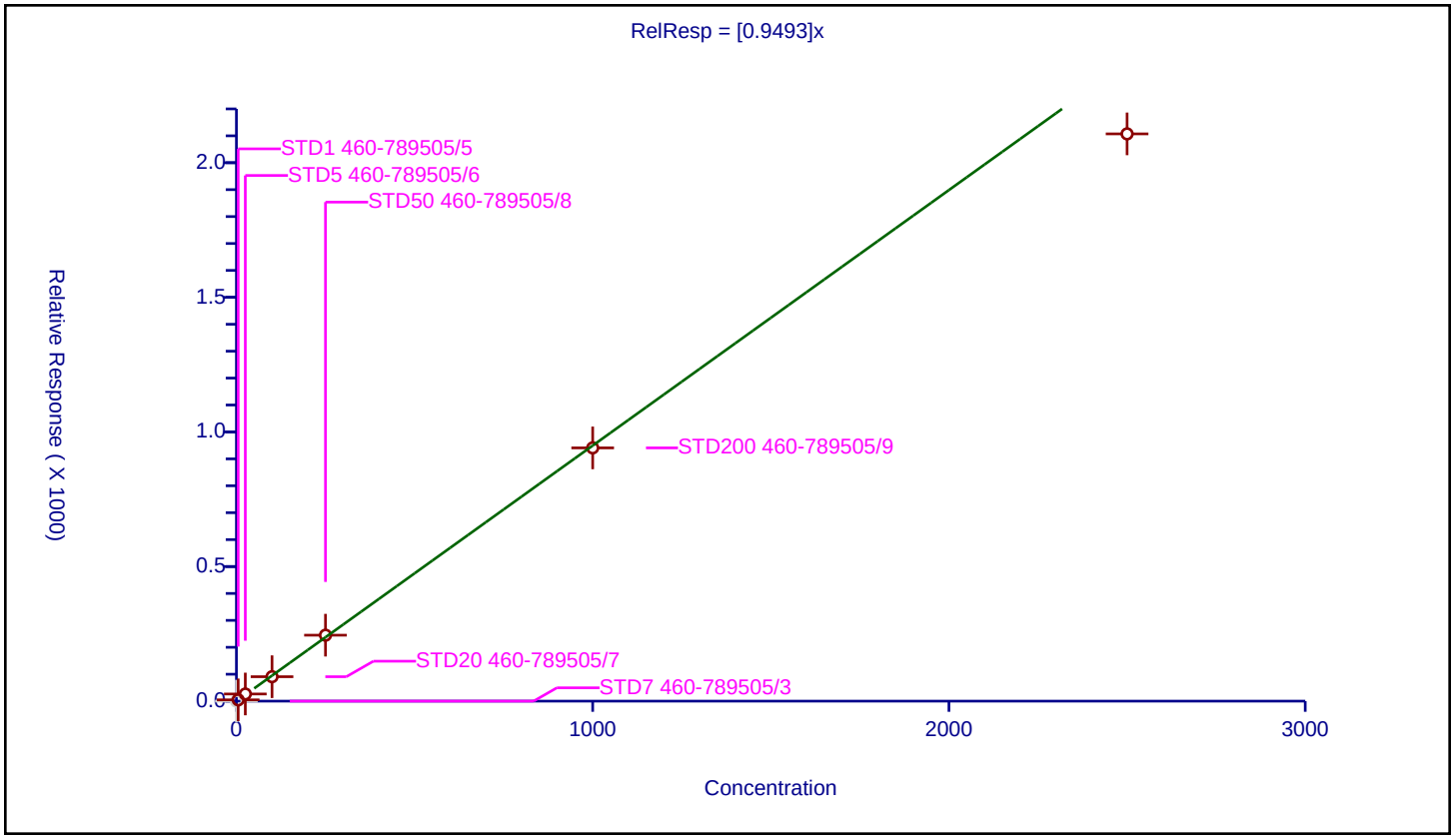
Curve Coefficients

Intercept:	0
Slope:	0.9493

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	7.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	250.0	267995.0	NaN	N
2	STD1 460-789505/5	5.0	4.799783	250.0	291784.0	0.959957	Y
3	STD5 460-789505/6	25.0	26.611481	250.0	295427.0	1.064459	Y
4	STD20 460-789505/7	100.0	90.767967	250.0	280702.0	0.90768	Y
5	STD50 460-789505/8	250.0	244.977163	250.0	323821.0	0.979909	Y
6	STD200 460-789505/9	1000.0	940.713795	250.0	416058.0	0.940714	Y
7	STD500 460-789505/10	2500.0	2107.213512	250.0	536812.0	0.842885	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

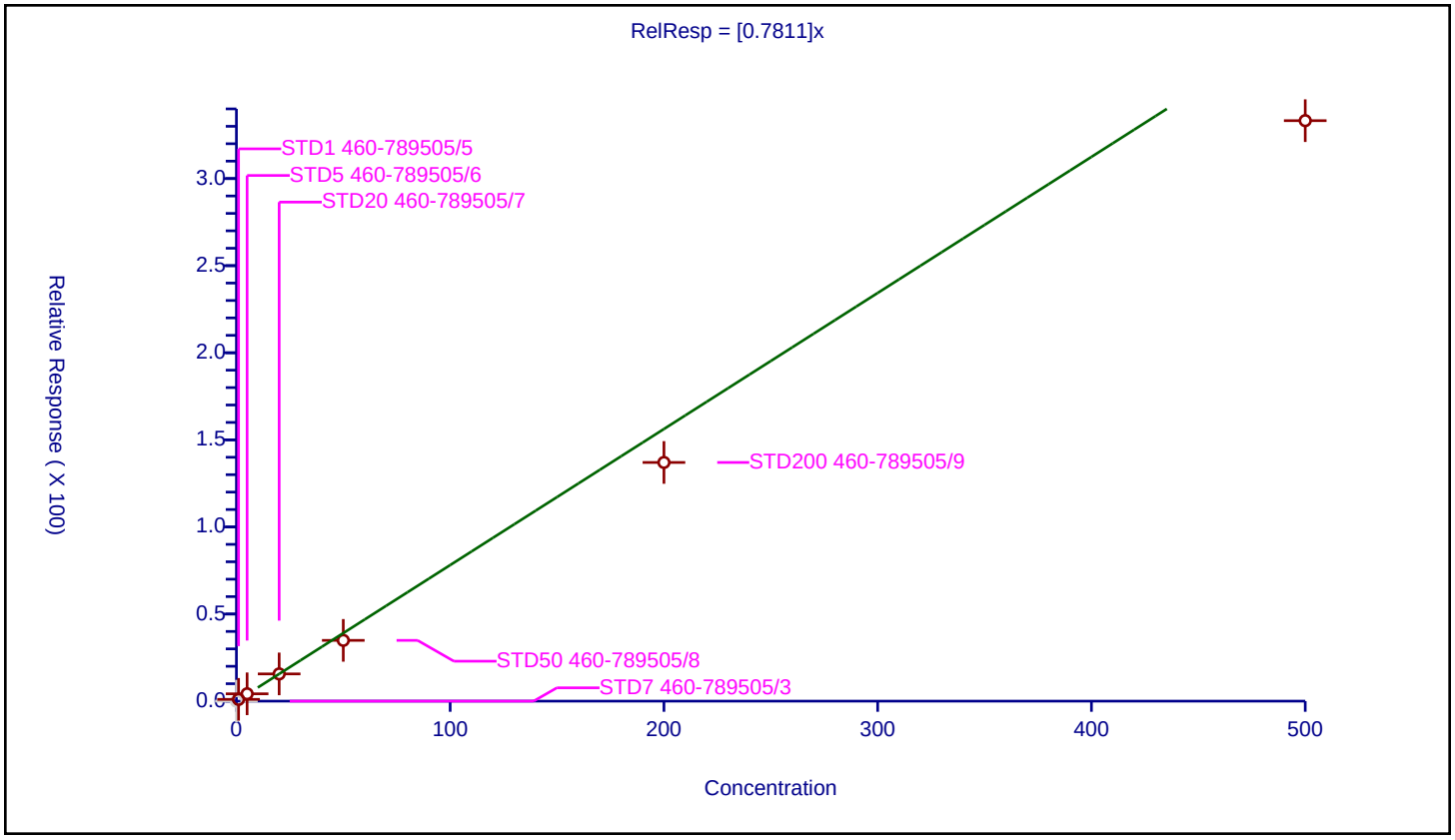
Curve Coefficients

Intercept:	0
Slope:	0.7811

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	16.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	1.012507	50.0	490910.0	1.012507	Y
3	STD5 460-789505/6	5.0	4.216301	50.0	501506.0	0.84326	Y
4	STD20 460-789505/7	20.0	15.630692	50.0	483136.0	0.781535	Y
5	STD50 460-789505/8	50.0	34.890788	50.0	532771.0	0.697816	Y
6	STD200 460-789505/9	200.0	137.026235	50.0	595417.0	0.685131	Y
7	STD500 460-789505/10	500.0	333.241943	50.0	695188.0	0.666484	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

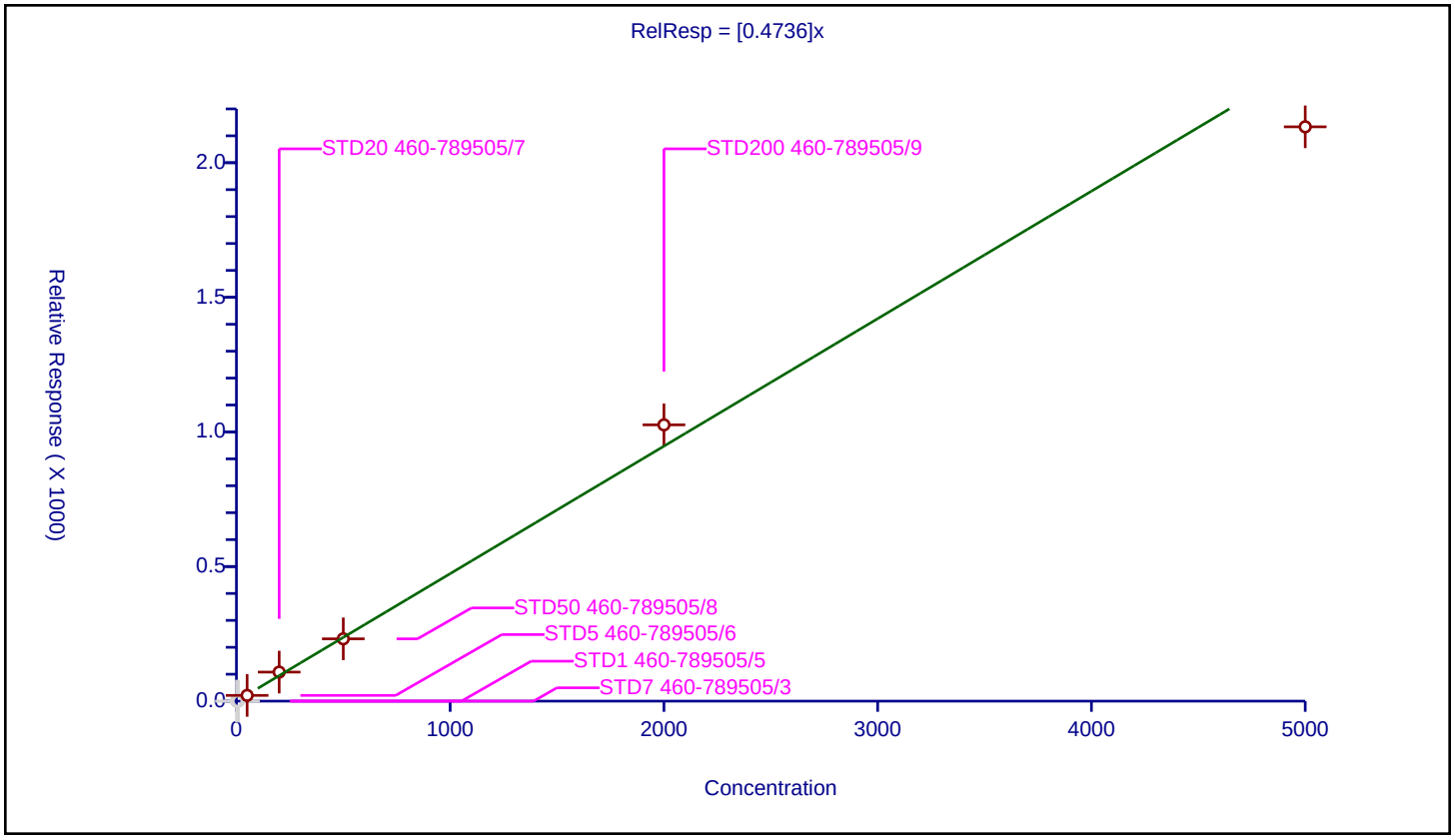
Curve Coefficients

Intercept:	0
Slope:	0.4736

Error Coefficients

Standard Error:	568000
Relative Standard Error:	10.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	10.0	0.0	1000.0	282992.0	0.0	N
3	STD5 460-789505/6	50.0	21.277144	1000.0	310286.0	0.425543	Y
4	STD20 460-789505/7	200.0	107.934213	1000.0	279448.0	0.539671	Y
5	STD50 460-789505/8	500.0	231.470501	1000.0	307793.0	0.462941	Y
6	STD200 460-789505/9	2000.0	1026.326166	1000.0	390562.0	0.513163	Y
7	STD500 460-789505/10	5000.0	2133.409416	1000.0	498578.0	0.426682	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

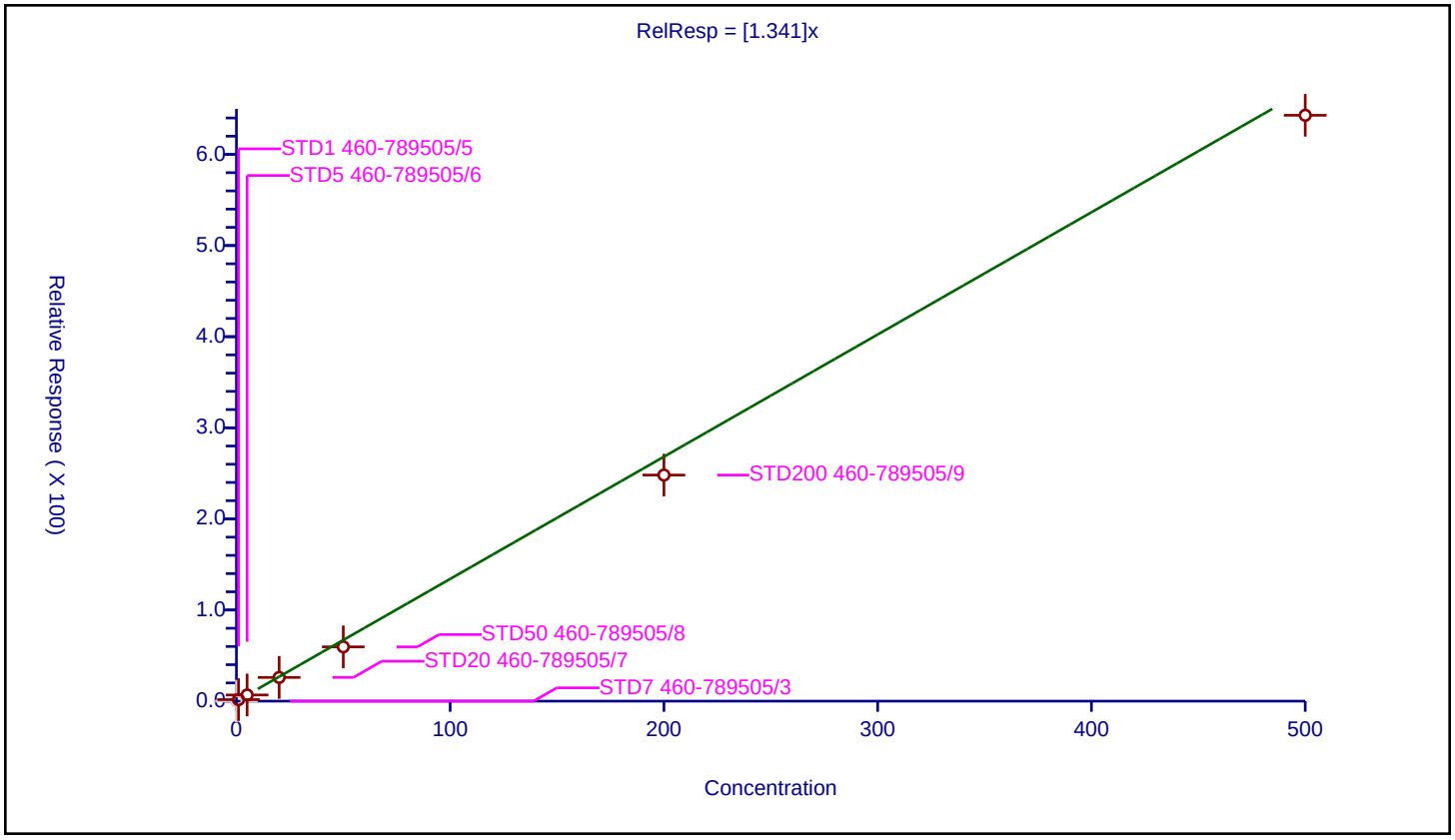
Curve Coefficients

Intercept:	0
Slope:	1.341

Error Coefficients

Standard Error:	4220000
Relative Standard Error:	12.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	1.67271	50.0	490910.0	1.67271	Y
3	STD5 460-789505/6	5.0	6.780078	50.0	501506.0	1.356016	Y
4	STD20 460-789505/7	20.0	26.007791	50.0	483136.0	1.30039	Y
5	STD50 460-789505/8	50.0	59.602249	50.0	532771.0	1.192045	Y
6	STD200 460-789505/9	200.0	248.133577	50.0	595417.0	1.240668	Y
7	STD500 460-789505/10	500.0	642.987796	50.0	695188.0	1.285976	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

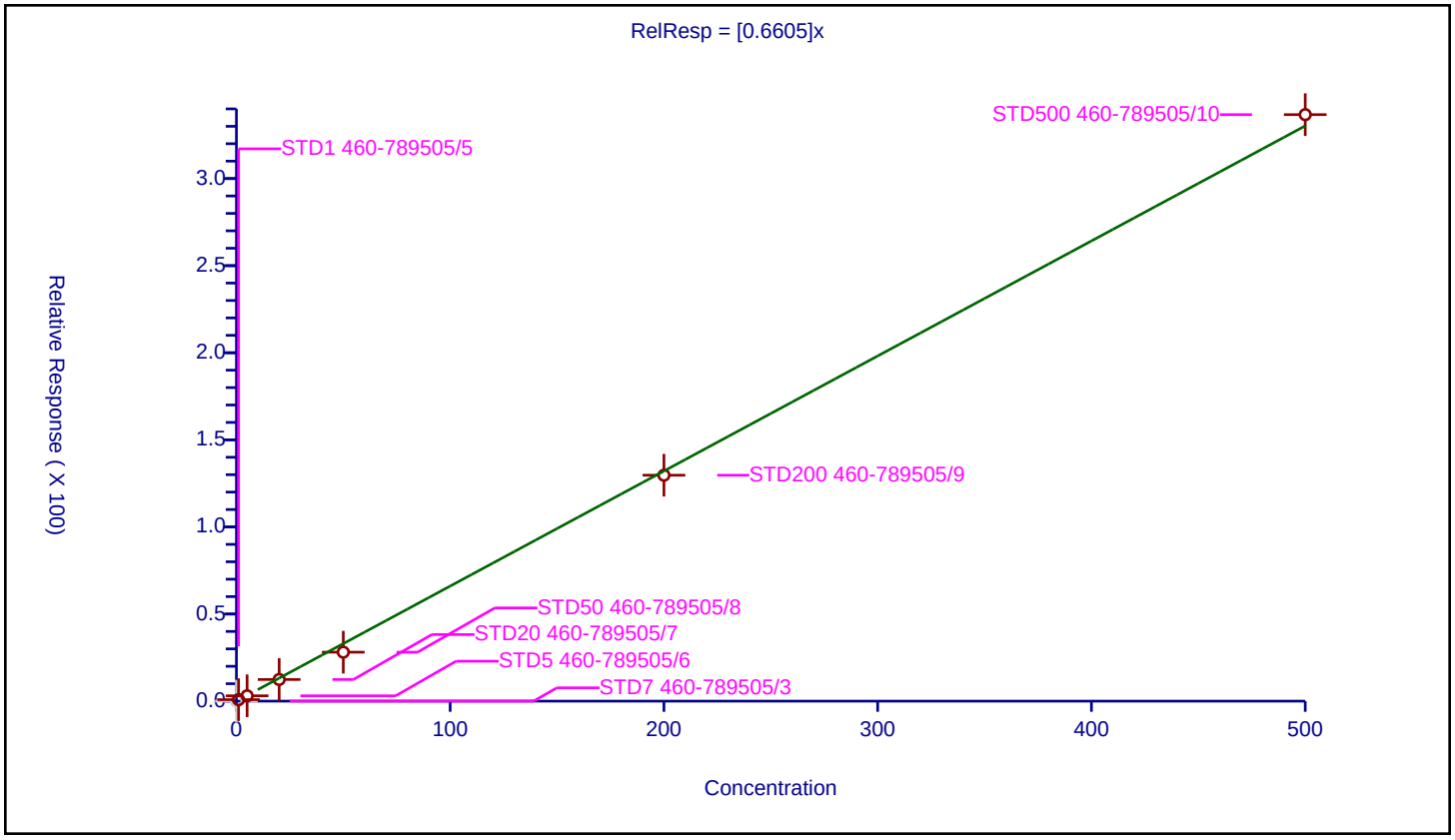
Curve Coefficients

Intercept:	0
Slope:	0.6605

Error Coefficients

Standard Error:	2210000
Relative Standard Error:	14.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.843332	50.0	490910.0	0.843332	Y
3	STD5 460-789505/6	5.0	3.070551	50.0	501506.0	0.61411	Y
4	STD20 460-789505/7	20.0	12.426625	50.0	483136.0	0.621331	Y
5	STD50 460-789505/8	50.0	28.111703	50.0	532771.0	0.562234	Y
6	STD200 460-789505/9	200.0	129.705064	50.0	595417.0	0.648525	Y
7	STD500 460-789505/10	500.0	336.692377	50.0	695188.0	0.673385	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

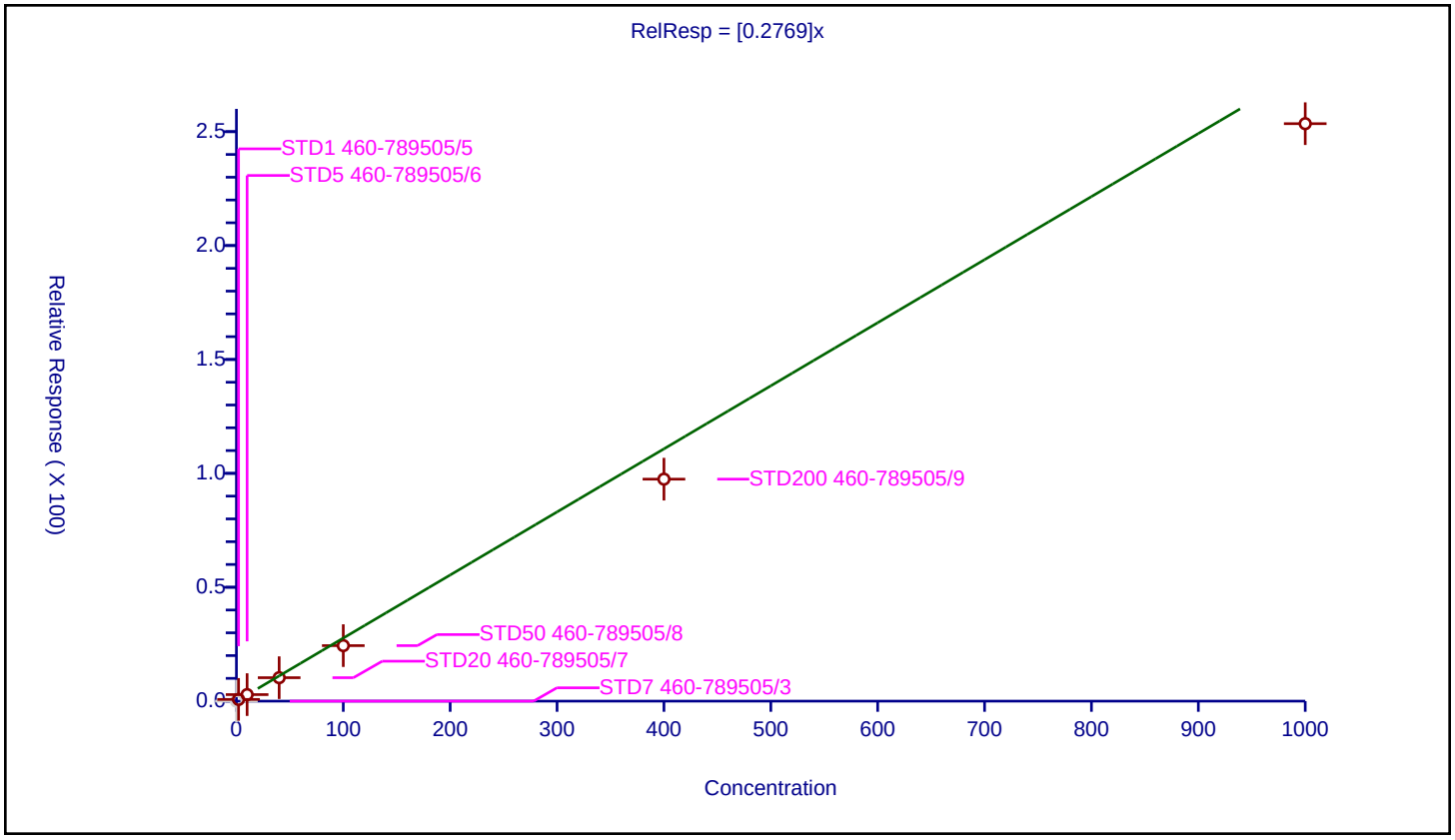
Curve Coefficients

Intercept:	0
Slope:	0.2769

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	18.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	2.0	0.752582	50.0	490910.0	0.376291	Y
3	STD5 460-789505/6	10.0	2.866167	50.0	501506.0	0.286617	Y
4	STD20 460-789505/7	40.0	10.300102	50.0	483136.0	0.257503	Y
5	STD50 460-789505/8	100.0	24.368631	50.0	532771.0	0.243686	Y
6	STD200 460-789505/9	400.0	97.45674	50.0	595417.0	0.243642	Y
7	STD500 460-789505/10	1000.0	253.513366	50.0	695188.0	0.253513	Y



Calibration / Cyclopentene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

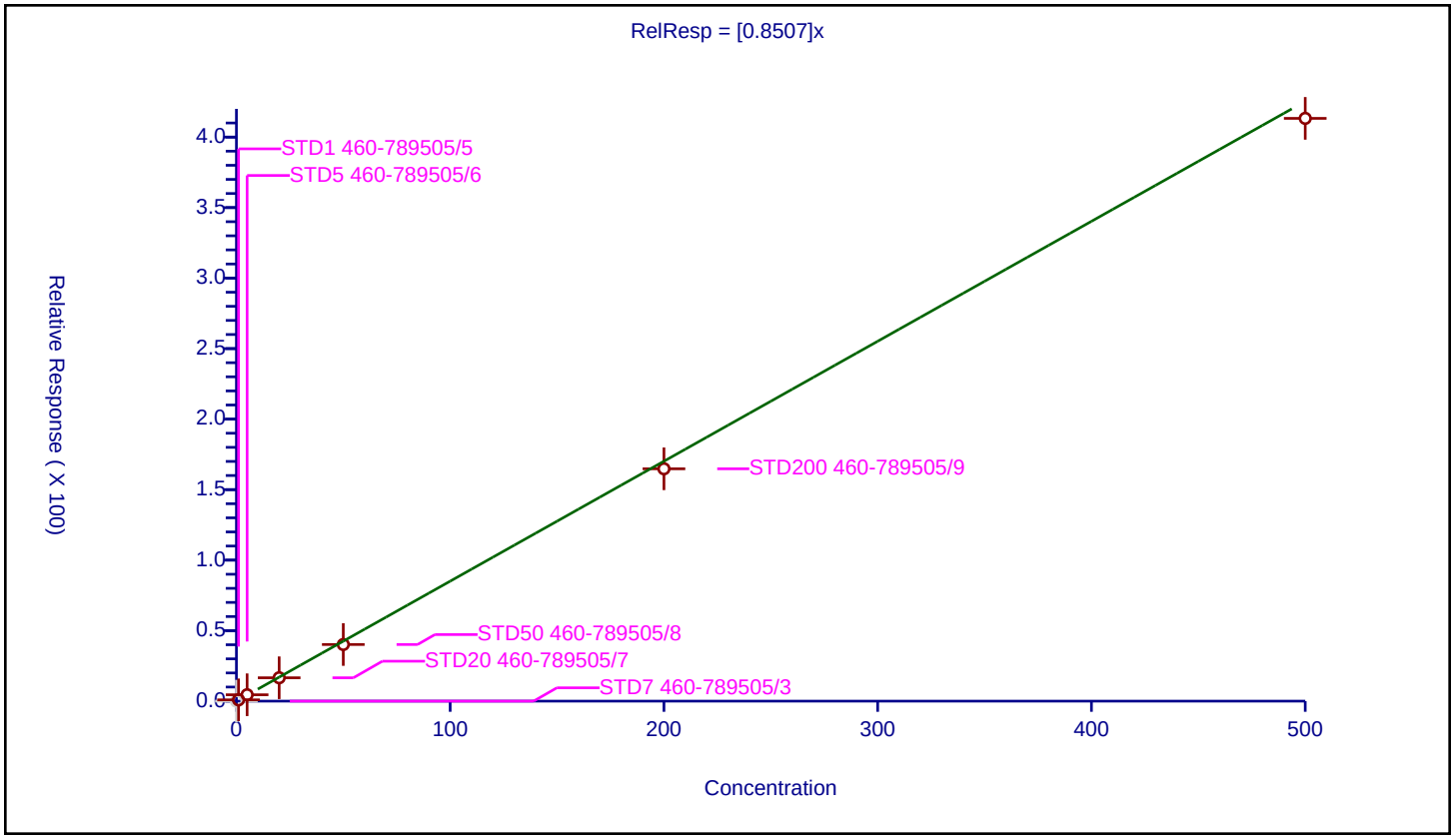
Curve Coefficients

Intercept:	0
Slope:	0.8507

Error Coefficients

Standard Error:	2720000
Relative Standard Error:	5.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.915341	50.0	490910.0	0.915341	Y
3	STD5 460-789505/6	5.0	4.530055	50.0	501506.0	0.906011	Y
4	STD20 460-789505/7	20.0	16.579907	50.0	483136.0	0.828995	Y
5	STD50 460-789505/8	50.0	40.172795	50.0	532771.0	0.803456	Y
6	STD200 460-789505/9	200.0	164.769985	50.0	595417.0	0.82385	Y
7	STD500 460-789505/10	500.0	413.2731	50.0	695188.0	0.826546	Y



Calibration / Acetonitrile

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

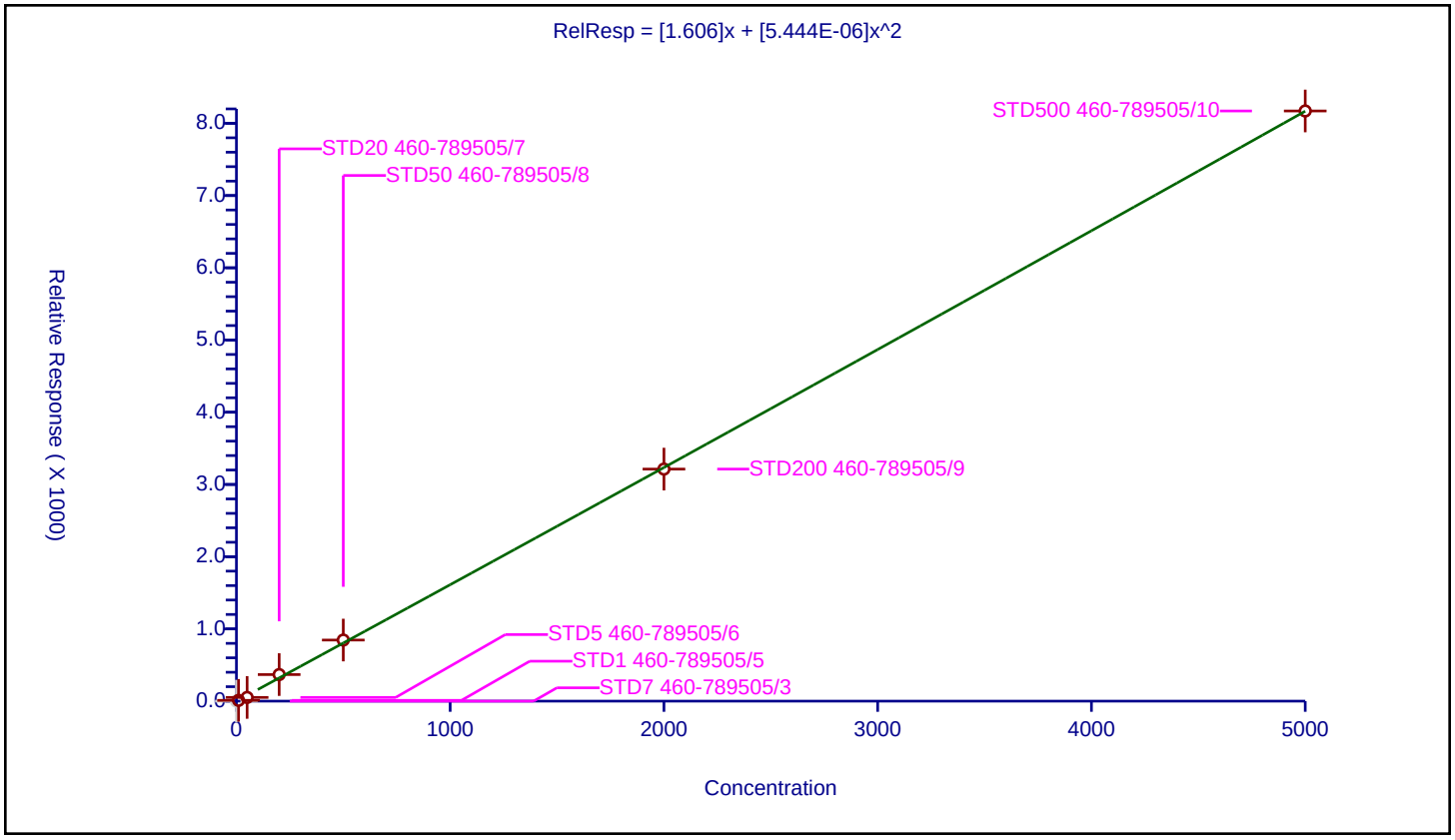
Curve Coefficients

Intercept:	0
Slope:	1.606
Second Order:	5.444E-06

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	25.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	10.0	11.007378	1000.0	282992.0	1.100738	Y
3	STD5 460-789505/6	50.0	51.420303	1000.0	310286.0	1.028406	Y
4	STD20 460-789505/7	200.0	367.950388	1000.0	279448.0	1.839752	Y
5	STD50 460-789505/8	500.0	845.86719	1000.0	307793.0	1.691734	Y
6	STD200 460-789505/9	2000.0	3212.959786	1000.0	390562.0	1.60648	Y
7	STD500 460-789505/10	5000.0	8171.245021	1000.0	498578.0	1.634249	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

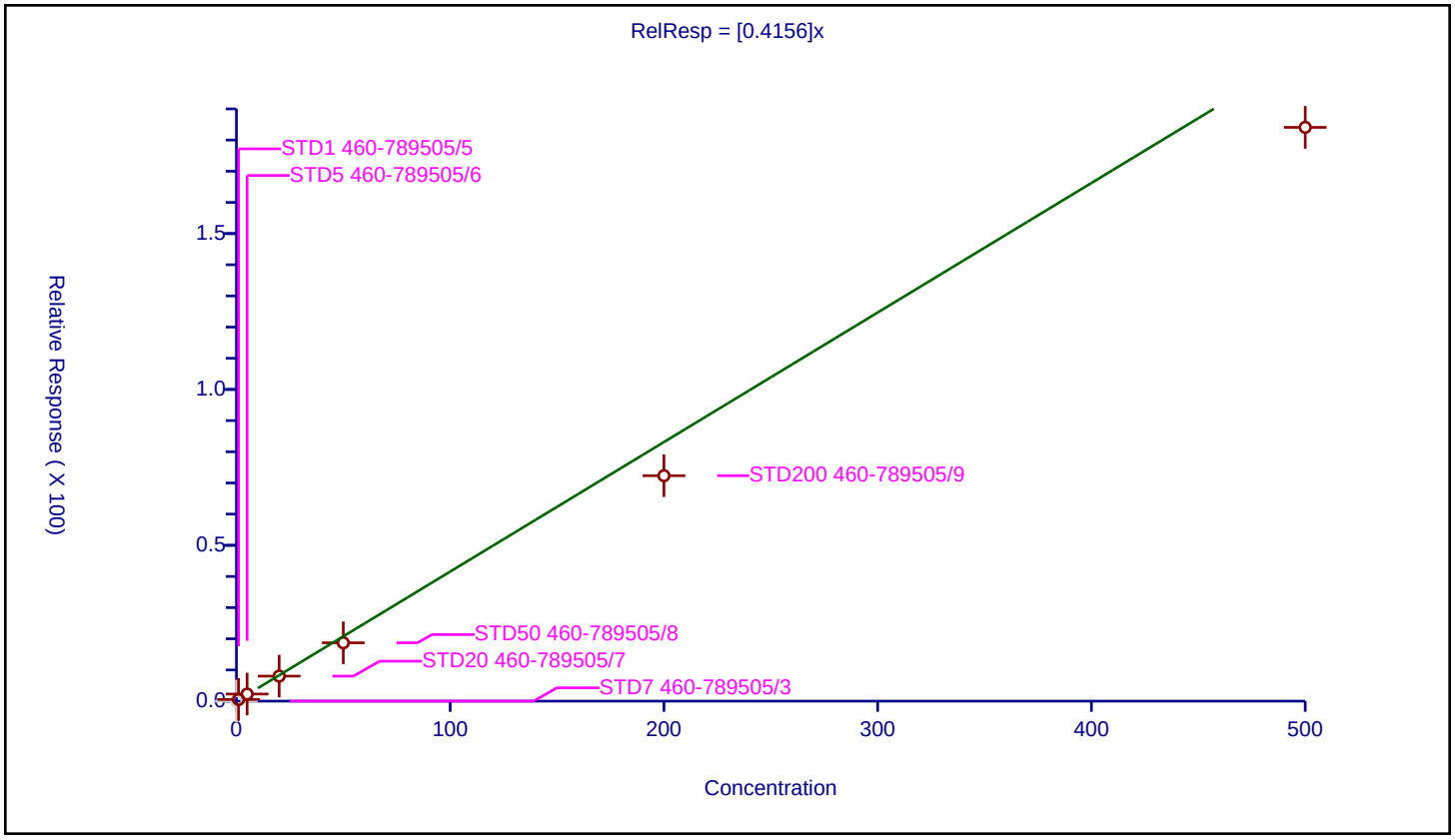
Curve Coefficients

Intercept:	0
Slope:	0.4156

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	16.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.531869	50.0	490910.0	0.531869	Y
3	STD5 460-789505/6	5.0	2.28083	50.0	501506.0	0.456166	Y
4	STD20 460-789505/7	20.0	8.024656	50.0	483136.0	0.401233	Y
5	STD50 460-789505/8	50.0	18.720614	50.0	532771.0	0.374412	Y
6	STD200 460-789505/9	200.0	72.328469	50.0	595417.0	0.361642	Y
7	STD500 460-789505/10	500.0	184.070568	50.0	695188.0	0.368141	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

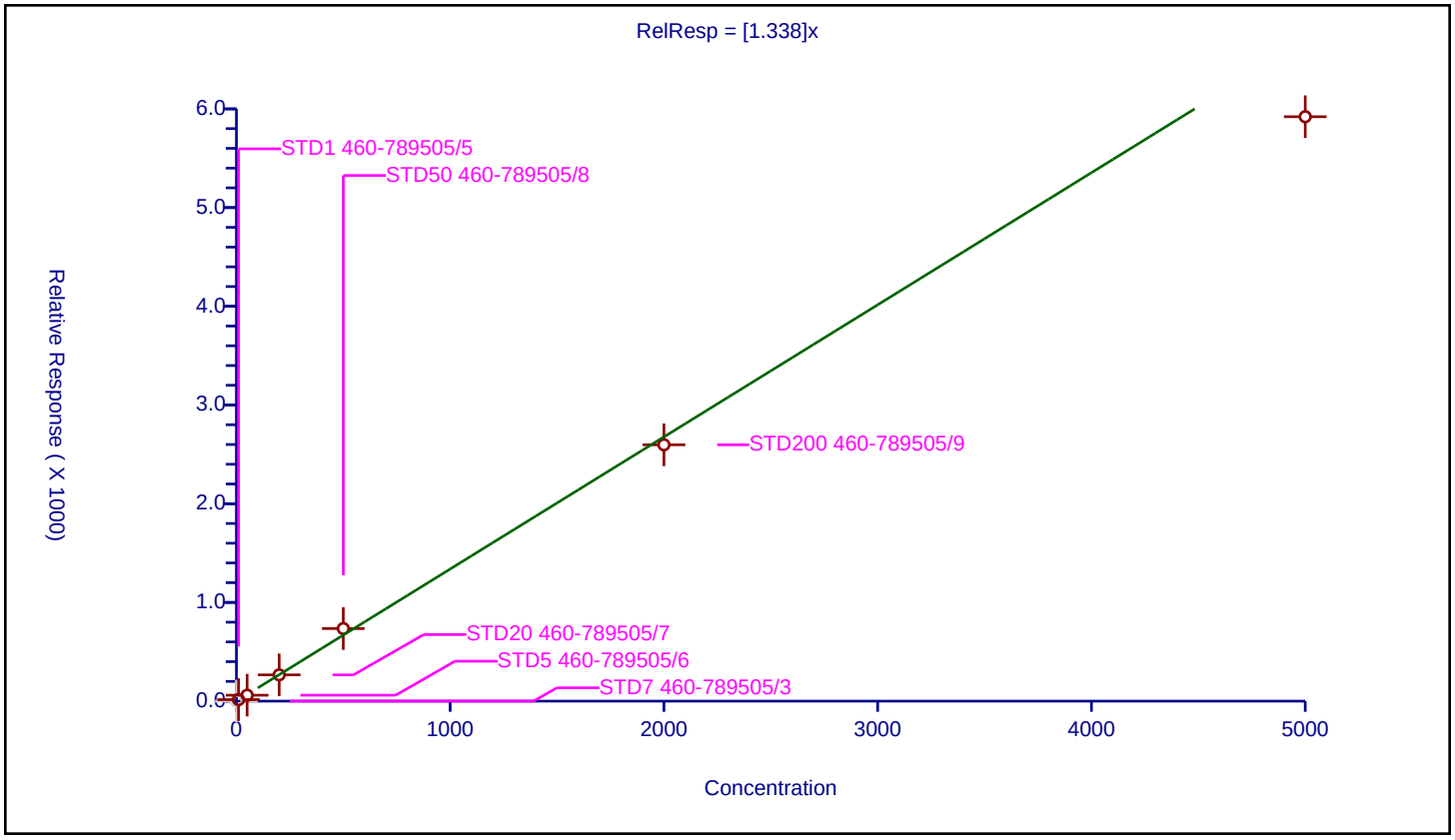
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	10.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	10.0	15.371459	1000.0	282992.0	1.537146	Y
3	STD5 460-789505/6	50.0	60.428121	1000.0	310286.0	1.208562	Y
4	STD20 460-789505/7	200.0	266.274942	1000.0	279448.0	1.331375	Y
5	STD50 460-789505/8	500.0	735.367601	1000.0	307793.0	1.470735	Y
6	STD200 460-789505/9	2000.0	2597.001244	1000.0	390562.0	1.298501	Y
7	STD500 460-789505/10	5000.0	5920.698466	1000.0	498578.0	1.18414	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

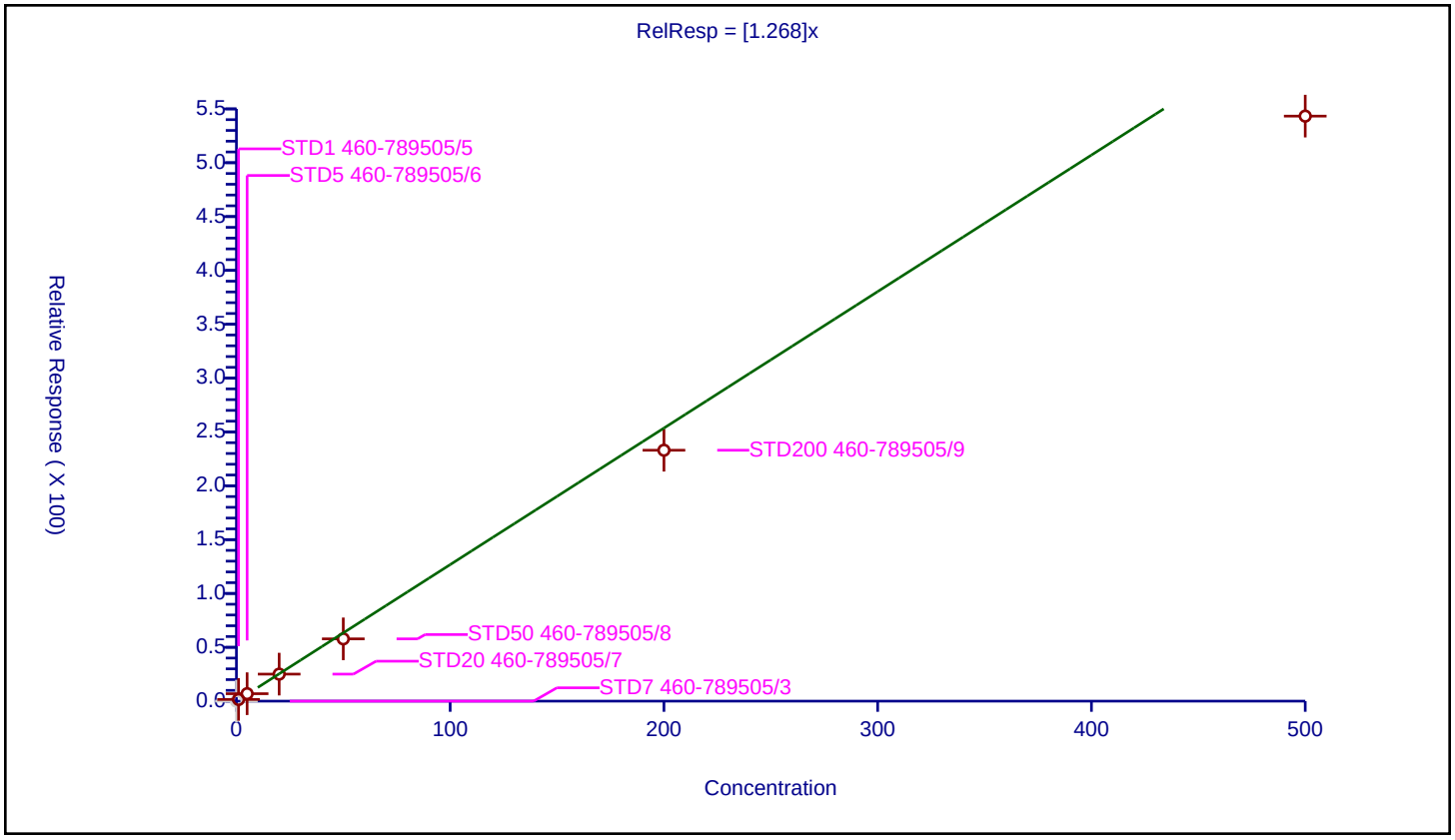
Curve Coefficients

Intercept:	0
Slope:	1.268

Error Coefficients

Standard Error:	3610000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	1.562608	50.0	490910.0	1.562608	Y
3	STD5 460-789505/6	5.0	6.908791	50.0	501506.0	1.381758	Y
4	STD20 460-789505/7	20.0	25.088588	50.0	483136.0	1.254429	Y
5	STD50 460-789505/8	50.0	57.8301	50.0	532771.0	1.156602	Y
6	STD200 460-789505/9	200.0	233.000905	50.0	595417.0	1.165005	Y
7	STD500 460-789505/10	500.0	543.295339	50.0	695188.0	1.086591	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

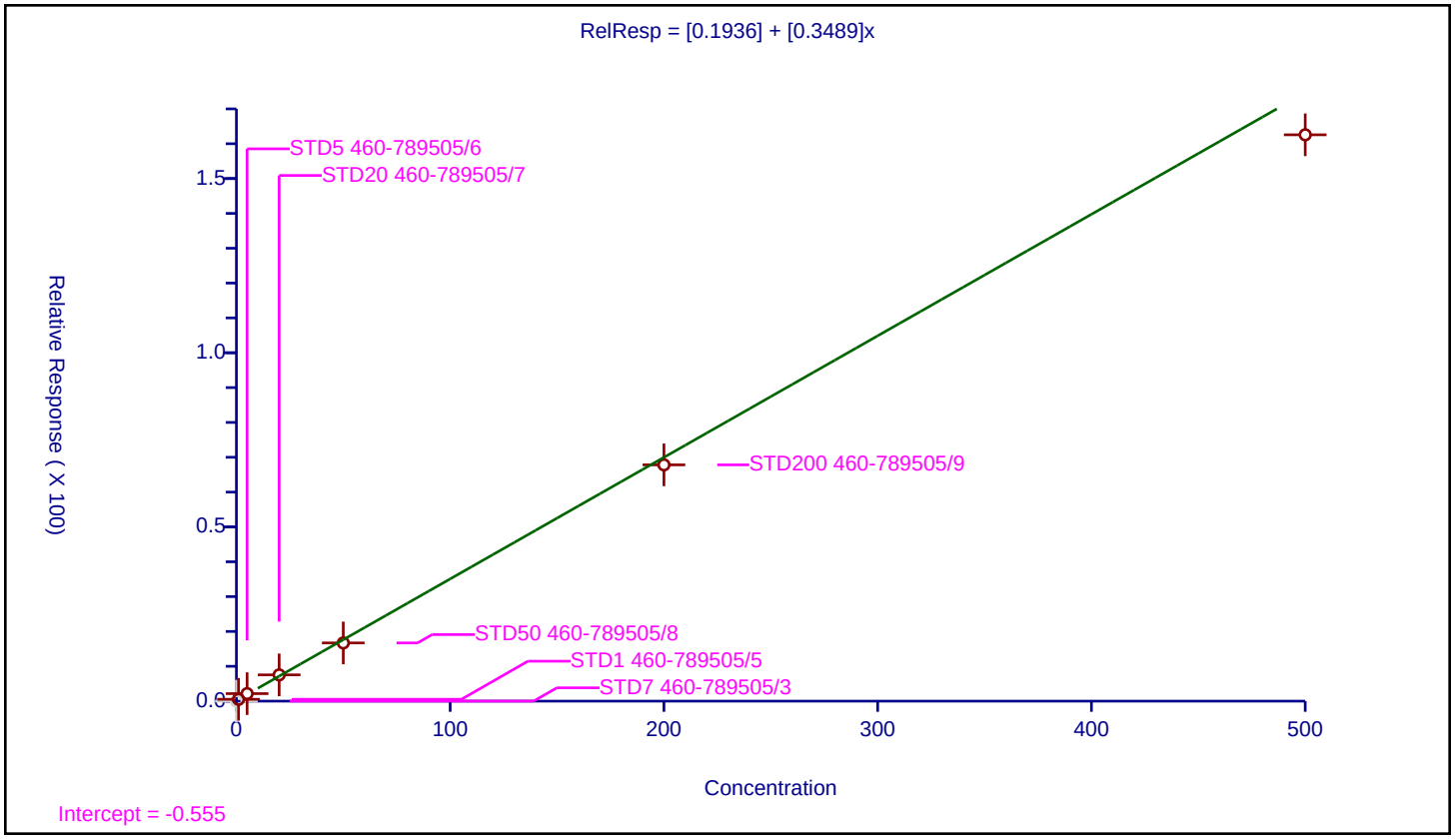
Curve Coefficients

Intercept:	0.1936
Slope:	0.3489

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	8.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.533193	50.0	490910.0	0.533193	Y
3	STD5 460-789505/6	5.0	2.158698	50.0	501506.0	0.43174	Y
4	STD20 460-789505/7	20.0	7.543011	50.0	483136.0	0.377151	Y
5	STD50 460-789505/8	50.0	16.711871	50.0	532771.0	0.334237	Y
6	STD200 460-789505/9	200.0	67.821795	50.0	595417.0	0.339109	Y
7	STD500 460-789505/10	500.0	162.561926	50.0	695188.0	0.325124	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

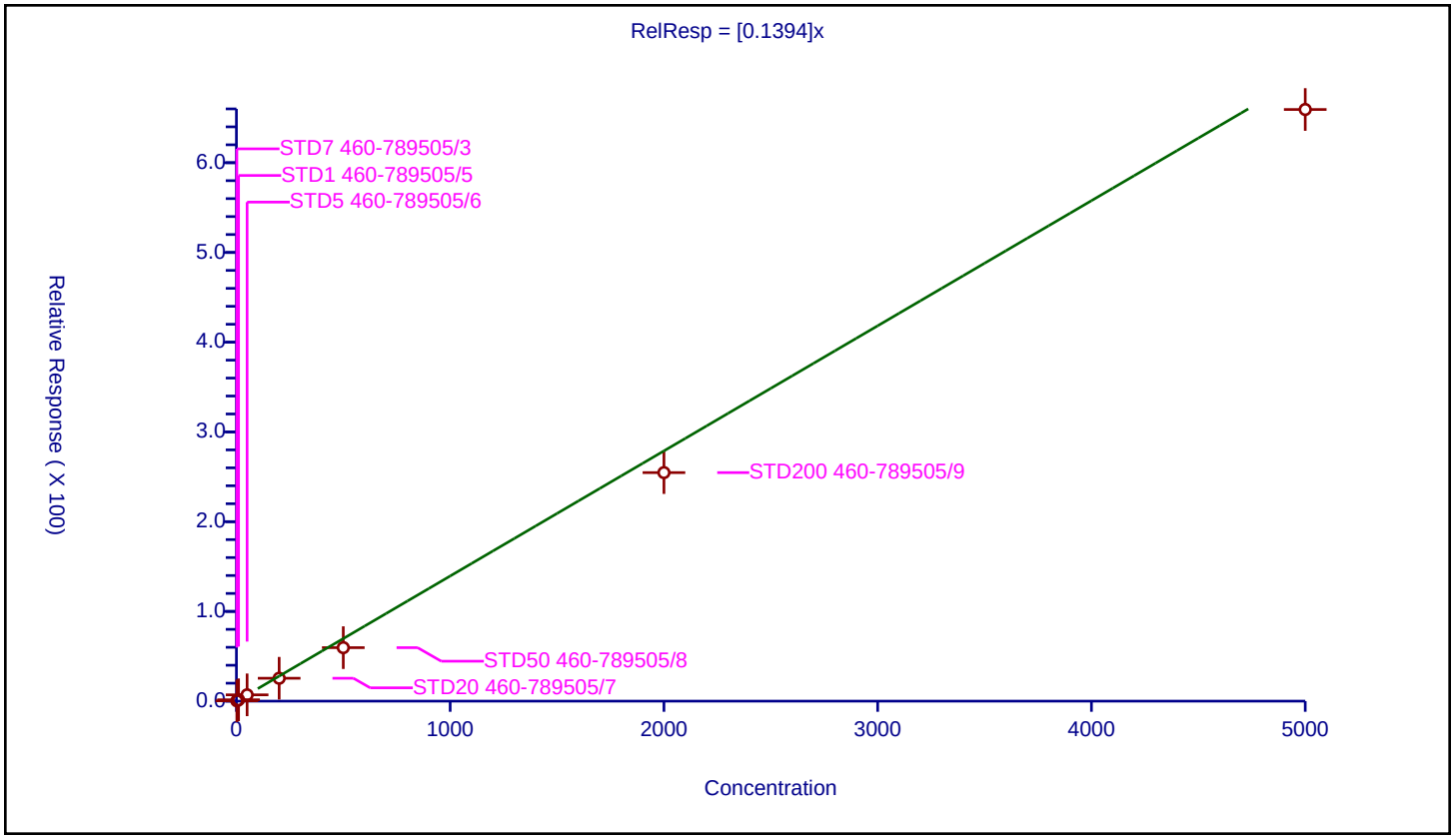
Curve Coefficients

Intercept:	0
Slope:	0.1394

Error Coefficients

Standard Error:	3950000
Relative Standard Error:	14.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	2.0	0.361864	50.0	478218.0	0.180932	Y
2	STD1 460-789505/5	10.0	1.48571	50.0	490910.0	0.148571	Y
3	STD5 460-789505/6	50.0	7.027433	50.0	501506.0	0.140549	Y
4	STD20 460-789505/7	200.0	25.507725	50.0	483136.0	0.127539	Y
5	STD50 460-789505/8	500.0	59.60713	50.0	532771.0	0.119214	Y
6	STD200 460-789505/9	2000.0	254.673447	50.0	595417.0	0.127337	Y
7	STD500 460-789505/10	5000.0	659.318343	50.0	695188.0	0.131864	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

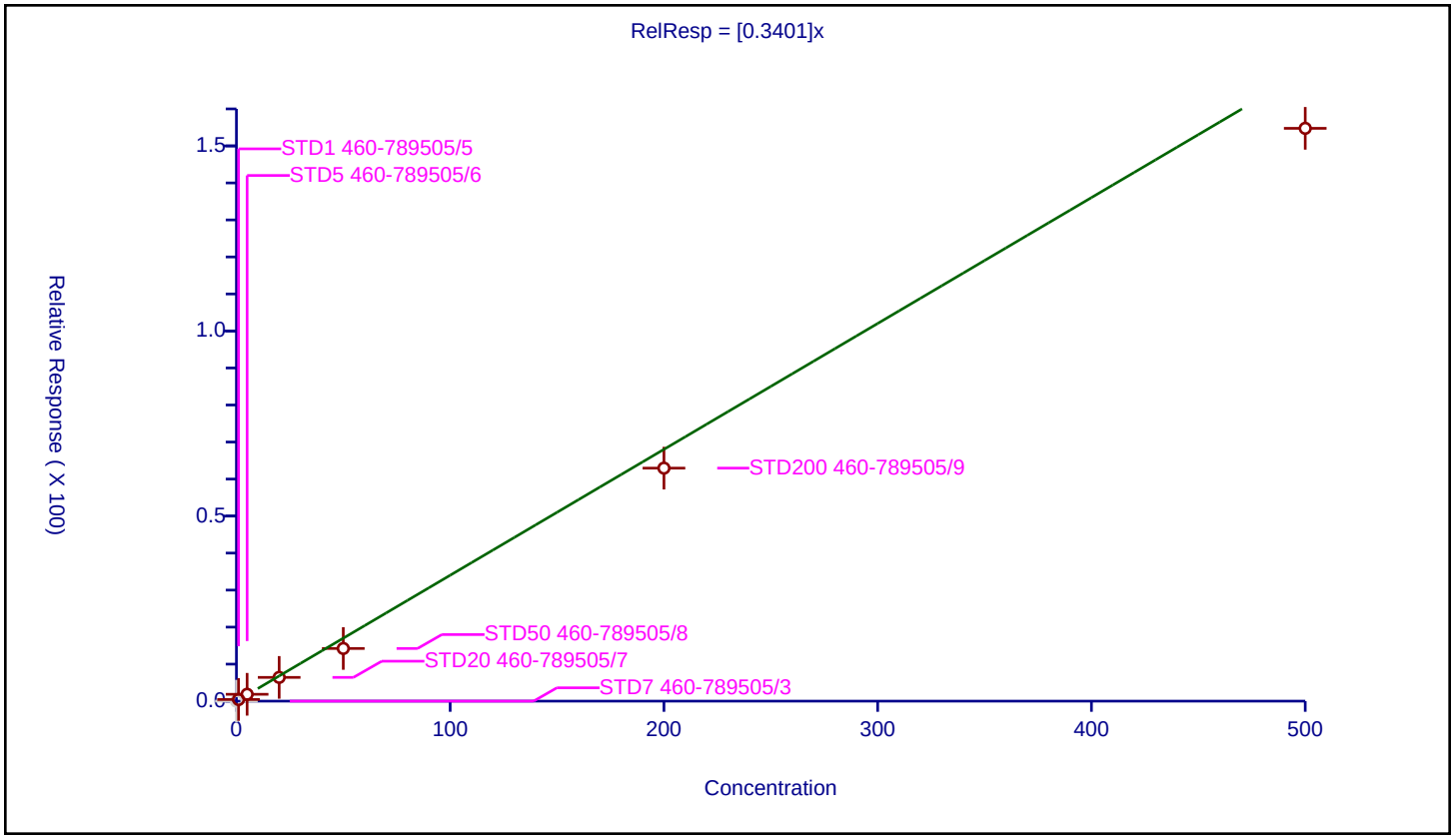
Curve Coefficients

Intercept:	0
Slope:	0.3401

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	16.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.439999	50.0	490910.0	0.439999	Y
3	STD5 460-789505/6	5.0	1.854913	50.0	501506.0	0.370983	Y
4	STD20 460-789505/7	20.0	6.415481	50.0	483136.0	0.320774	Y
5	STD50 460-789505/8	50.0	14.230974	50.0	532771.0	0.284619	Y
6	STD200 460-789505/9	200.0	62.946305	50.0	595417.0	0.314732	Y
7	STD500 460-789505/10	500.0	154.748356	50.0	695188.0	0.309497	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

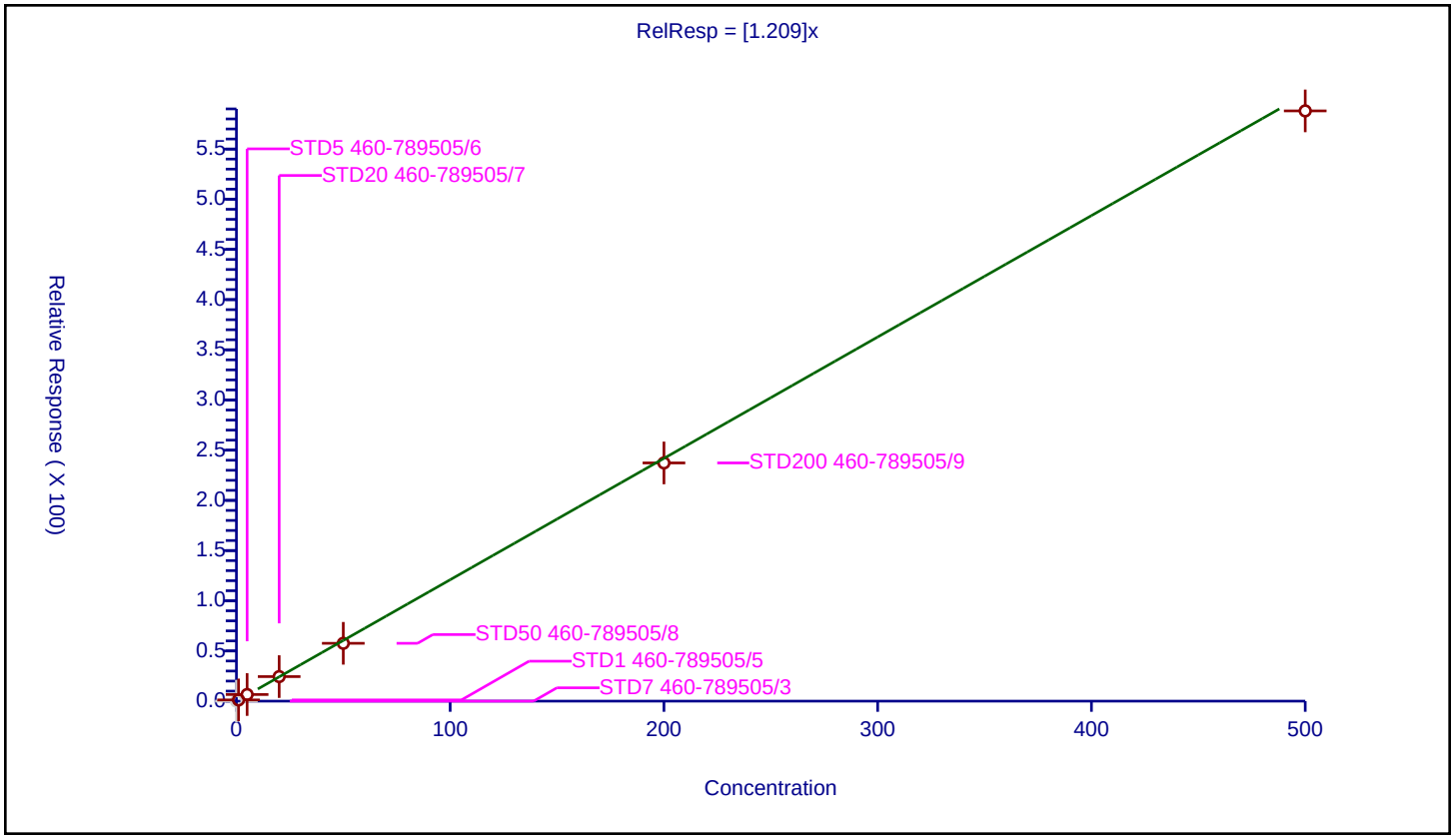
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Standard Error:	3880000
Relative Standard Error:	4.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	1.199303	50.0	490910.0	1.199303	Y
3	STD5 460-789505/6	5.0	6.59374	50.0	501506.0	1.318748	Y
4	STD20 460-789505/7	20.0	24.451397	50.0	483136.0	1.22257	Y
5	STD50 460-789505/8	50.0	57.622881	50.0	532771.0	1.152458	Y
6	STD200 460-789505/9	200.0	237.289916	50.0	595417.0	1.18645	Y
7	STD500 460-789505/10	500.0	588.004899	50.0	695188.0	1.17601	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

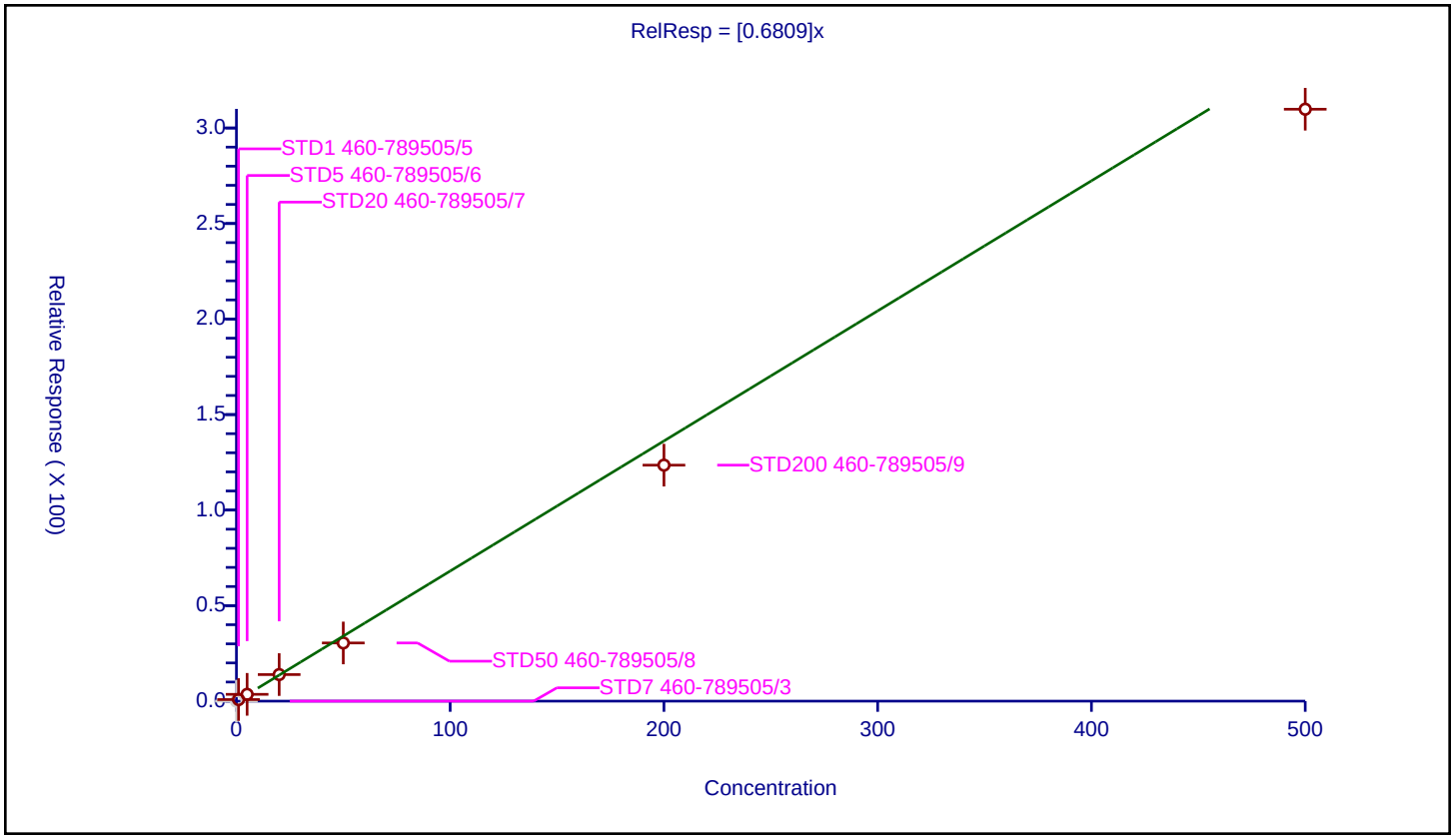
Curve Coefficients

Intercept:	0
Slope:	0.6809

Error Coefficients

Standard Error:	2040000
Relative Standard Error:	12.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.832535	50.0	490910.0	0.832535	Y
3	STD5 460-789505/6	5.0	3.555591	50.0	501506.0	0.711118	Y
4	STD20 460-789505/7	20.0	13.906022	50.0	483136.0	0.695301	Y
5	STD50 460-789505/8	50.0	30.45727	50.0	532771.0	0.609145	Y
6	STD200 460-789505/9	200.0	123.528552	50.0	595417.0	0.617643	Y
7	STD500 460-789505/10	500.0	309.834318	50.0	695188.0	0.619669	Y



Calibration / Vinyl acetate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

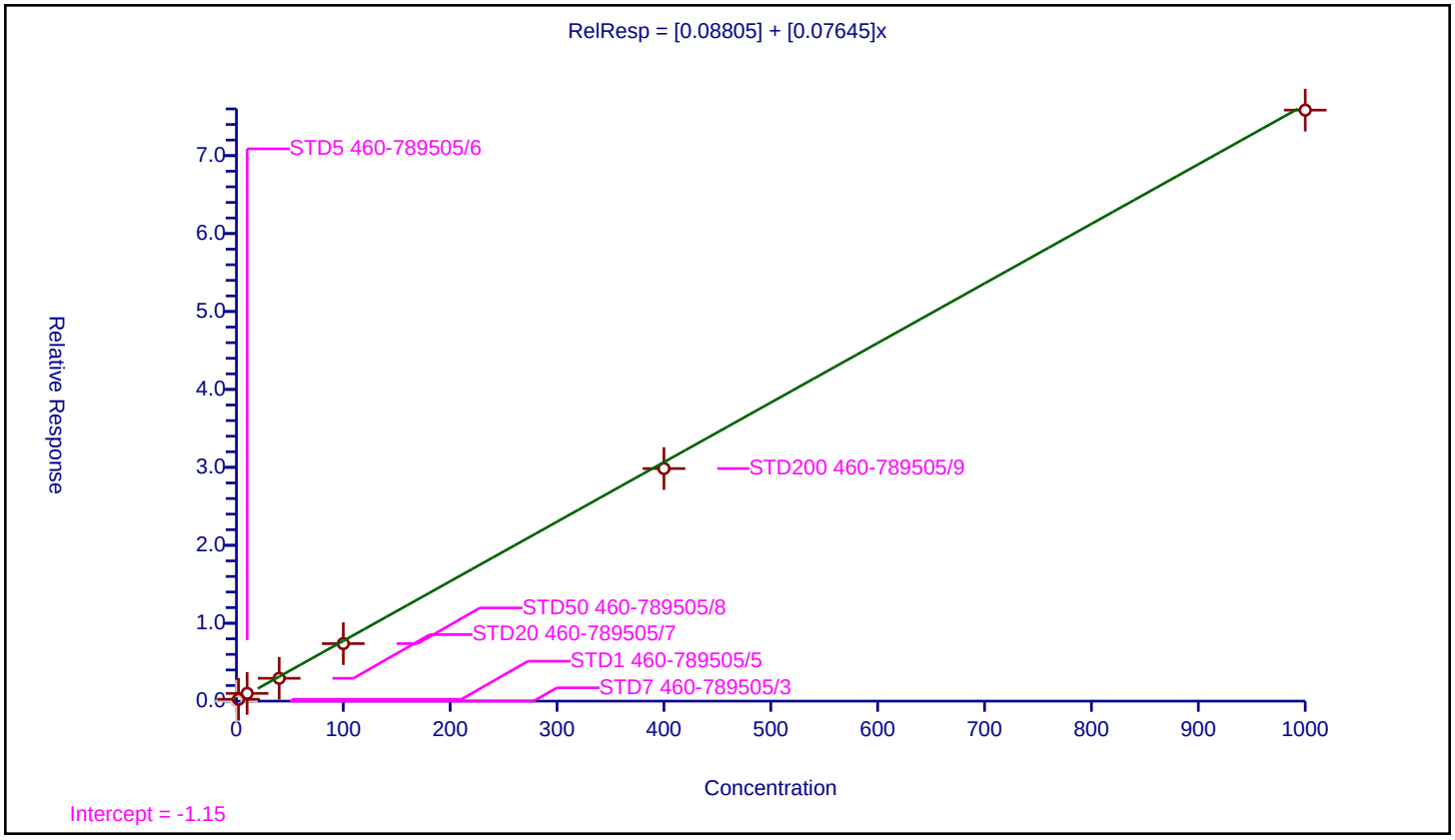
Curve Coefficients

Intercept:	0.08805
Slope:	0.07645

Error Coefficients

Standard Error:	558000
Relative Standard Error:	10.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	2.0	0.23599	50.0	490910.0	0.117995	Y
3	STD5 460-789505/6	10.0	0.993906	50.0	501506.0	0.099391	Y
4	STD20 460-789505/7	40.0	2.930231	50.0	483136.0	0.073256	Y
5	STD50 460-789505/8	100.0	7.380188	50.0	532771.0	0.073802	Y
6	STD200 460-789505/9	400.0	29.847317	50.0	595417.0	0.074618	Y
7	STD500 460-789505/10	1000.0	75.842578	50.0	695188.0	0.075843	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

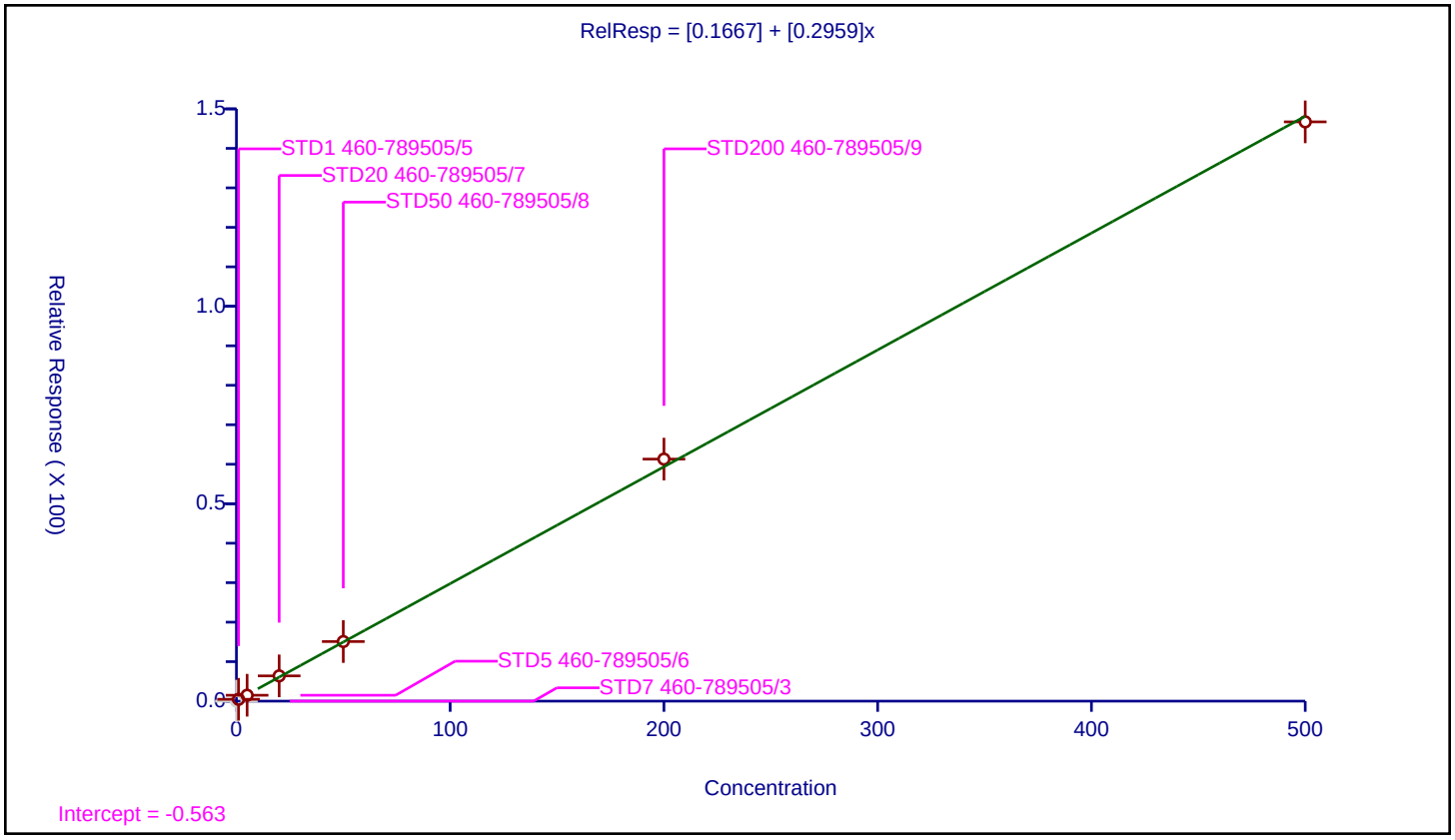
Curve Coefficients

Intercept:	0.1667
Slope:	0.2959

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.467805	50.0	490910.0	0.467805	Y
3	STD5 460-789505/6	5.0	1.496193	50.0	501506.0	0.299239	Y
4	STD20 460-789505/7	20.0	6.396025	50.0	483136.0	0.319801	Y
5	STD50 460-789505/8	50.0	15.09063	50.0	532771.0	0.301813	Y
6	STD200 460-789505/9	200.0	61.29956	50.0	595417.0	0.306498	Y
7	STD500 460-789505/10	500.0	146.716931	50.0	695188.0	0.293434	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

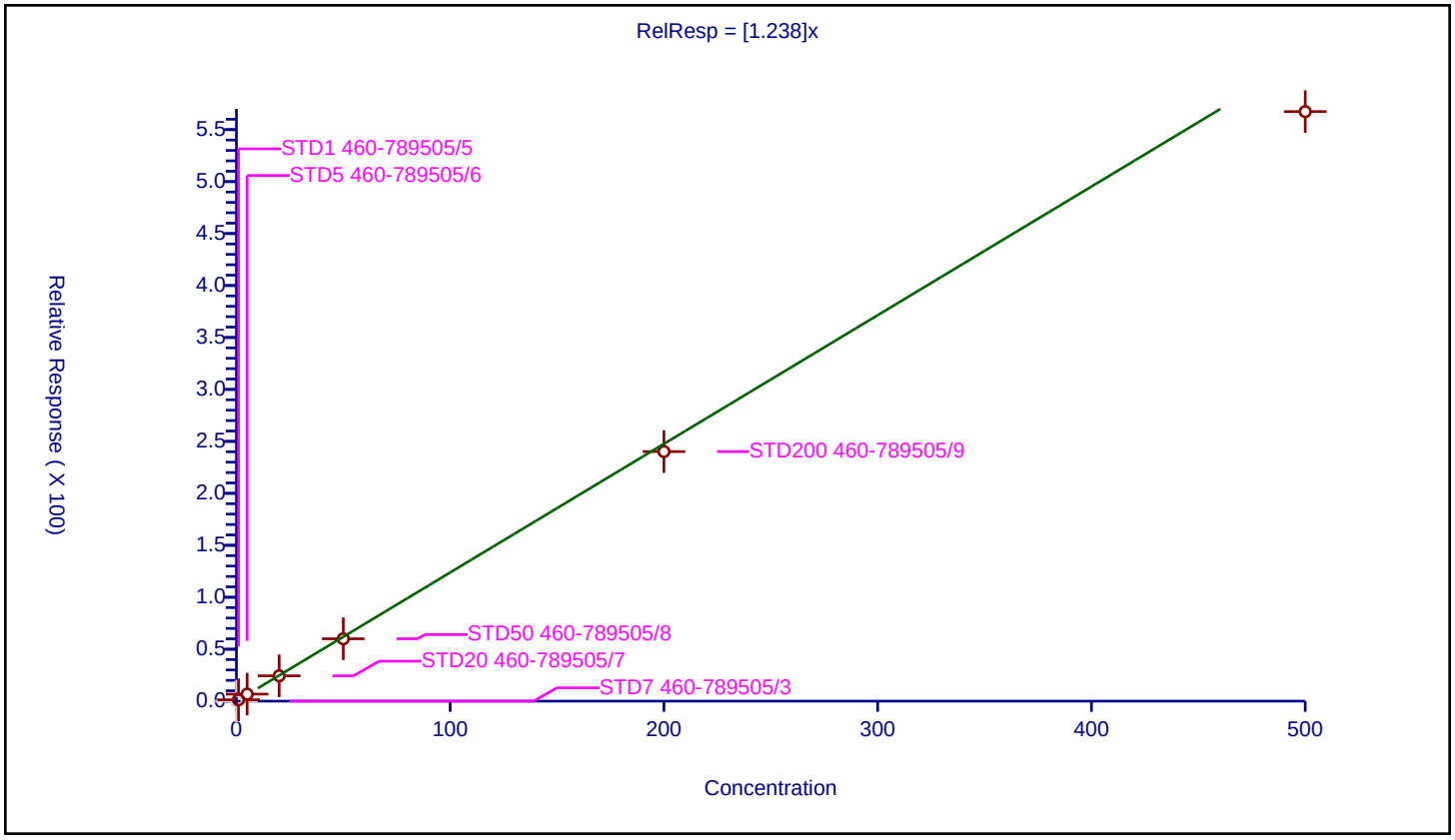
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Standard Error:	3760000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	1.326414	50.0	490910.0	1.326414	Y
3	STD5 460-789505/6	5.0	6.74309	50.0	501506.0	1.348618	Y
4	STD20 460-789505/7	20.0	24.354219	50.0	483136.0	1.217711	Y
5	STD50 460-789505/8	50.0	60.014152	50.0	532771.0	1.200283	Y
6	STD200 460-789505/9	200.0	240.182679	50.0	595417.0	1.200913	Y
7	STD500 460-789505/10	500.0	567.383283	50.0	695188.0	1.134767	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

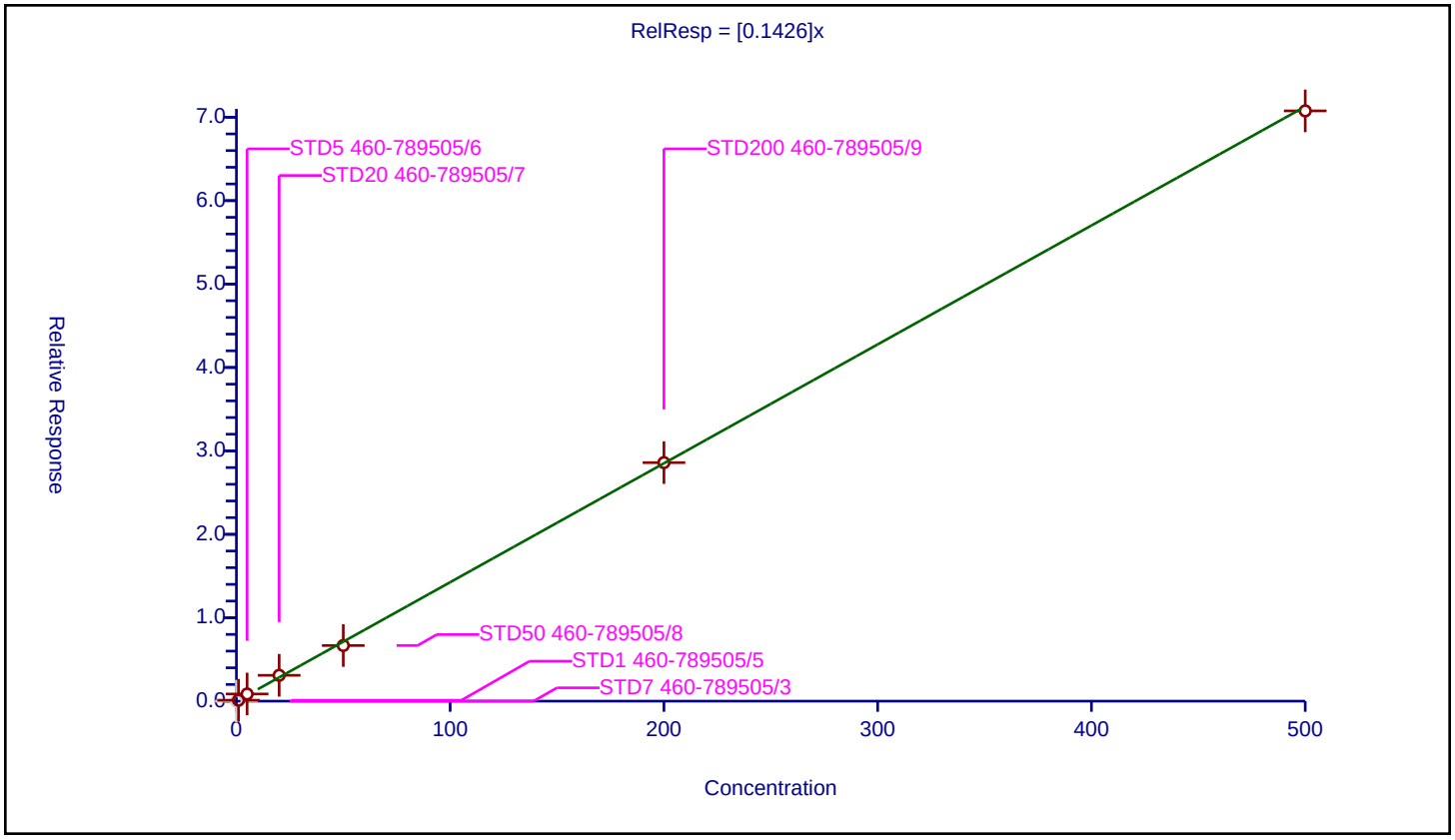
Curve Coefficients

Intercept:	0
Slope:	0.1426

Error Coefficients

Standard Error:	467000
Relative Standard Error:	14.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.111018	50.0	490910.0	0.111018	Y
3	STD5 460-789505/6	5.0	0.858016	50.0	501506.0	0.171603	Y
4	STD20 460-789505/7	20.0	3.09654	50.0	483136.0	0.154827	Y
5	STD50 460-789505/8	50.0	6.669376	50.0	532771.0	0.133388	Y
6	STD200 460-789505/9	200.0	28.594078	50.0	595417.0	0.14297	Y
7	STD500 460-789505/10	500.0	70.759492	50.0	695188.0	0.141519	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

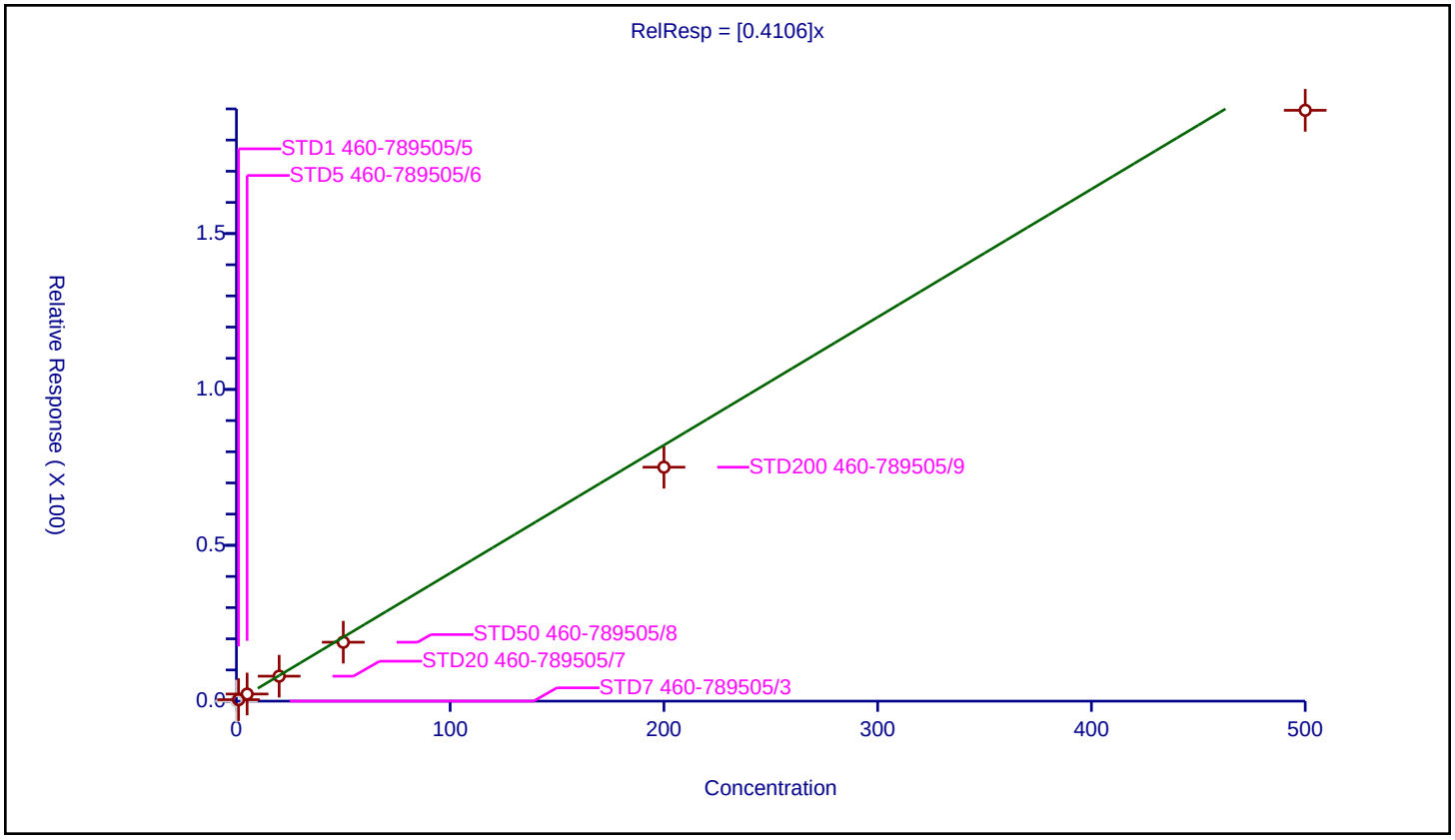
Curve Coefficients

Intercept:	0
Slope:	0.4106

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	10.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.474018	50.0	490910.0	0.474018	Y
3	STD5 460-789505/6	5.0	2.283123	50.0	501506.0	0.456625	Y
4	STD20 460-789505/7	20.0	8.012754	50.0	483136.0	0.400638	Y
5	STD50 460-789505/8	50.0	18.907091	50.0	532771.0	0.378142	Y
6	STD200 460-789505/9	200.0	75.052106	50.0	595417.0	0.375261	Y
7	STD500 460-789505/10	500.0	189.548798	50.0	695188.0	0.379098	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

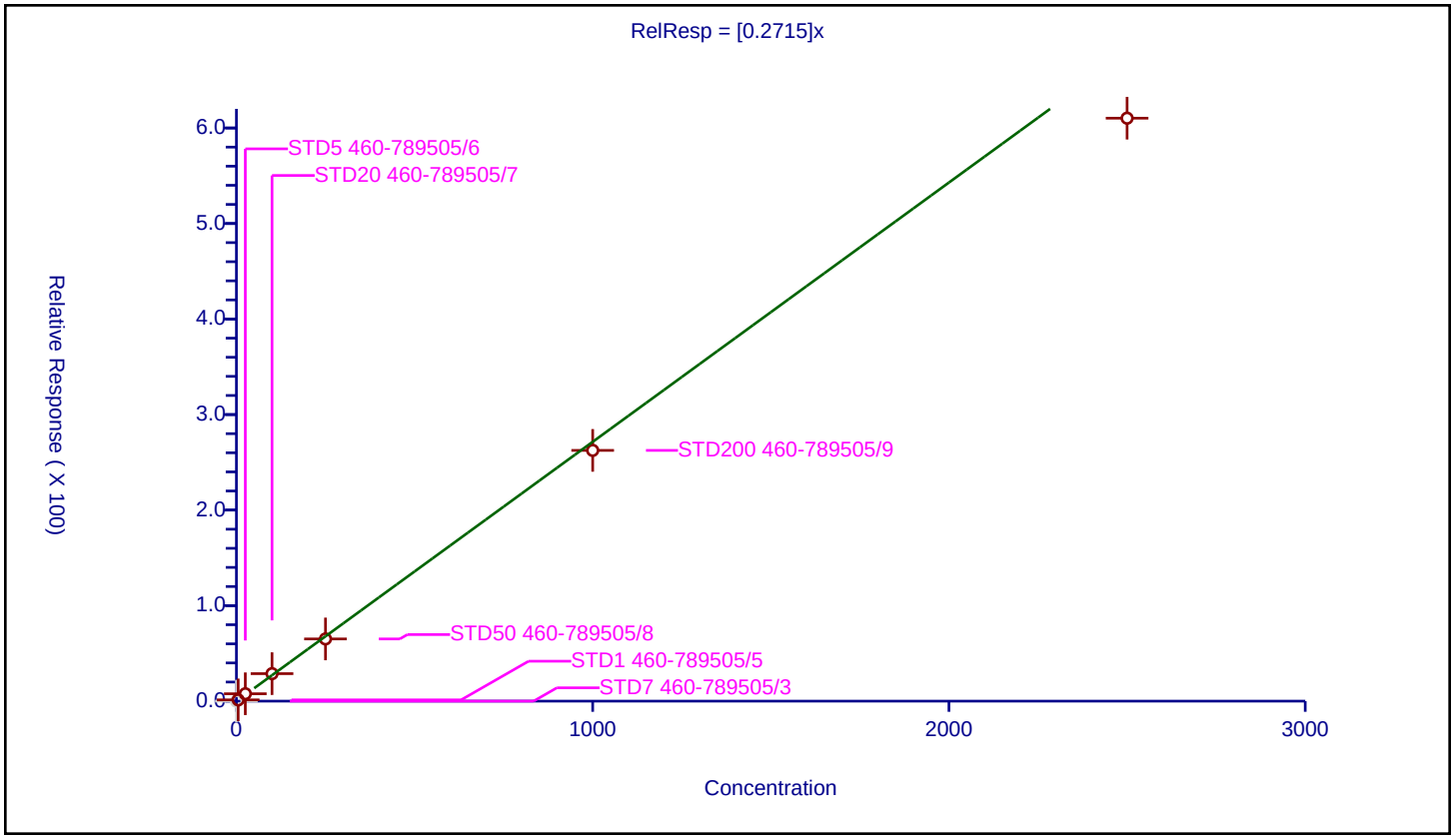
Curve Coefficients

Intercept:	0
Slope:	0.2715

Error Coefficients

Standard Error:	619000
Relative Standard Error:	8.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	250.0	267995.0	NaN	N
2	STD1 460-789505/5	5.0	1.320326	250.0	291784.0	0.264065	Y
3	STD5 460-789505/6	25.0	7.744722	250.0	295427.0	0.309789	Y
4	STD20 460-789505/7	100.0	28.77785	250.0	280702.0	0.287778	Y
5	STD50 460-789505/8	250.0	65.116994	250.0	323821.0	0.260468	Y
6	STD200 460-789505/9	1000.0	262.489845	250.0	416058.0	0.26249	Y
7	STD500 460-789505/10	2500.0	610.274174	250.0	536812.0	0.24411	Y



Calibration / Ethyl acetate

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

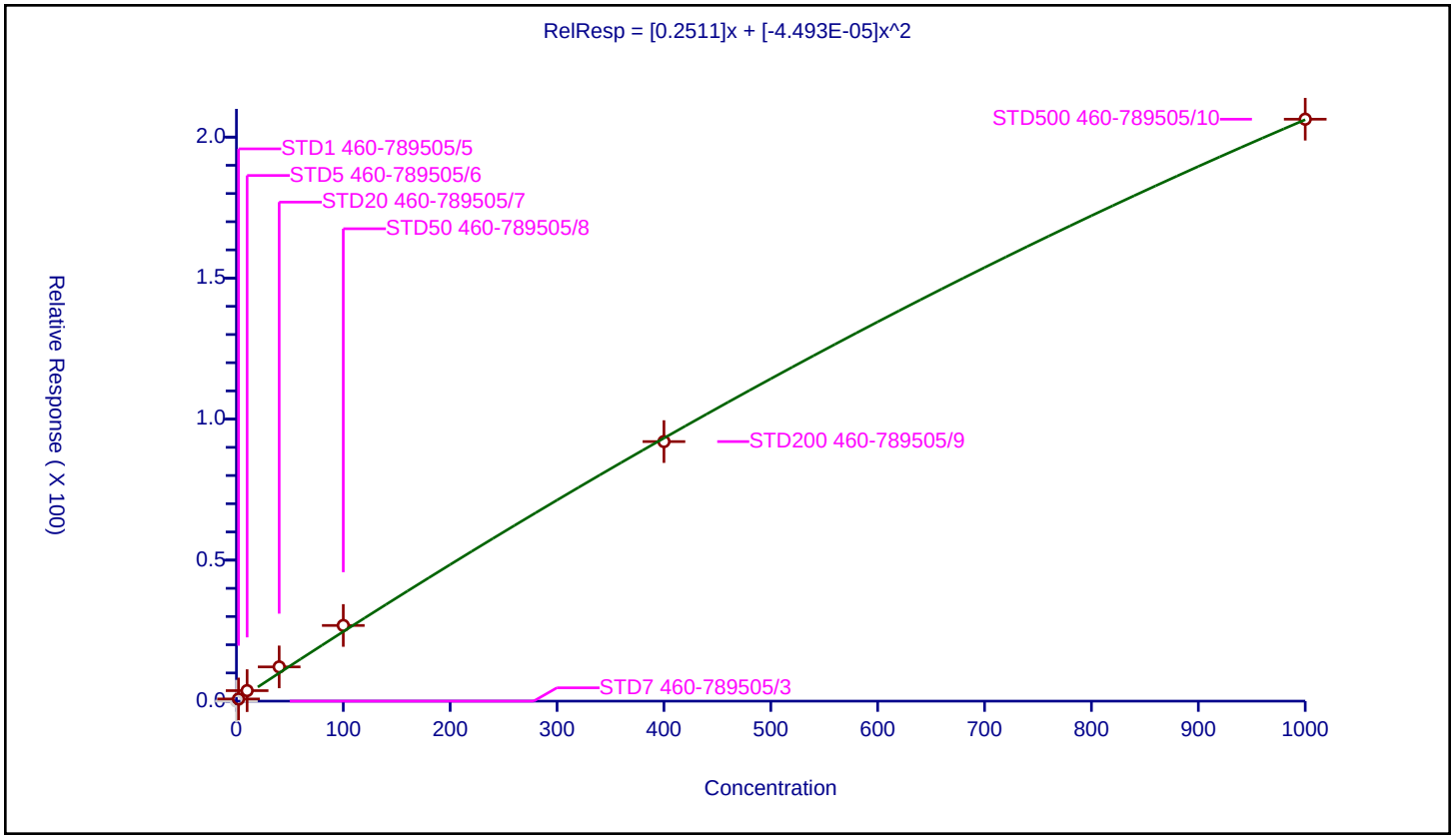
Curve Coefficients

Intercept:	0
Slope:	0.2511
Second Order:	-4.493E-05

Error Coefficients

Standard Error:	235000
Relative Standard Error:	38.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	250.0	267995.0	NaN	N
2	STD1 460-789505/5	2.0	0.773689	250.0	291784.0	0.386844	Y
3	STD5 460-789505/6	10.0	3.729348	250.0	295427.0	0.372935	Y
4	STD20 460-789505/7	40.0	12.142771	250.0	280702.0	0.303569	Y
5	STD50 460-789505/8	100.0	26.835042	250.0	323821.0	0.26835	Y
6	STD200 460-789505/9	400.0	92.036447	250.0	416058.0	0.230091	Y
7	STD500 460-789505/10	1000.0	206.341792	250.0	536812.0	0.206342	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

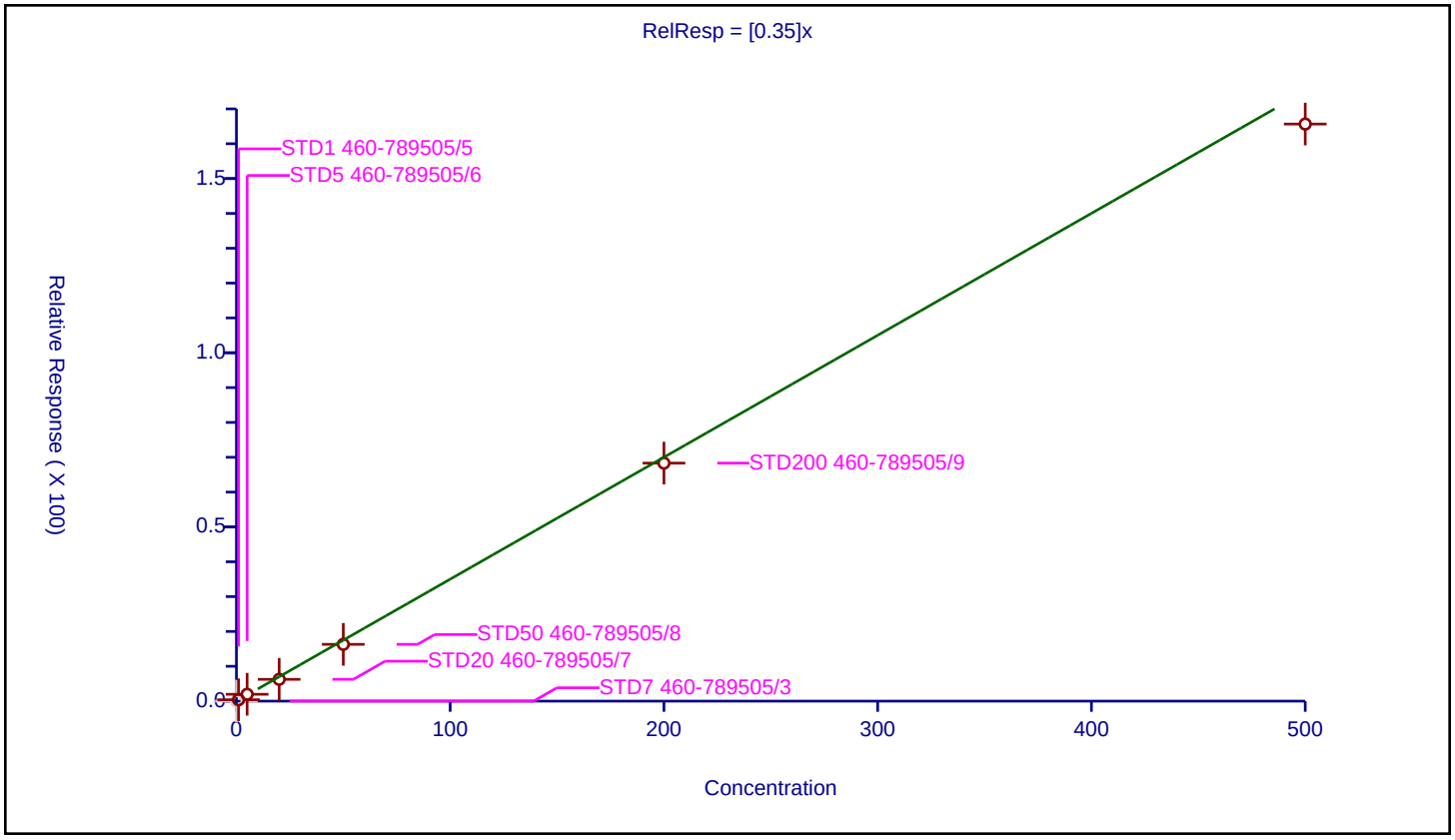
Curve Coefficients

Intercept:	0
Slope:	0.35

Error Coefficients

Standard Error:	937000
Relative Standard Error:	10.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.3943	50.0	386127.0	0.3943	Y
3	STD5 460-789505/6	5.0	1.970318	50.0	381106.0	0.394064	Y
4	STD20 460-789505/7	20.0	6.260623	50.0	386543.0	0.313031	Y
5	STD50 460-789505/8	50.0	16.299477	50.0	414363.0	0.32599	Y
6	STD200 460-789505/9	200.0	68.322235	50.0	487899.0	0.341611	Y
7	STD500 460-789505/10	500.0	165.64675	50.0	597843.0	0.331294	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

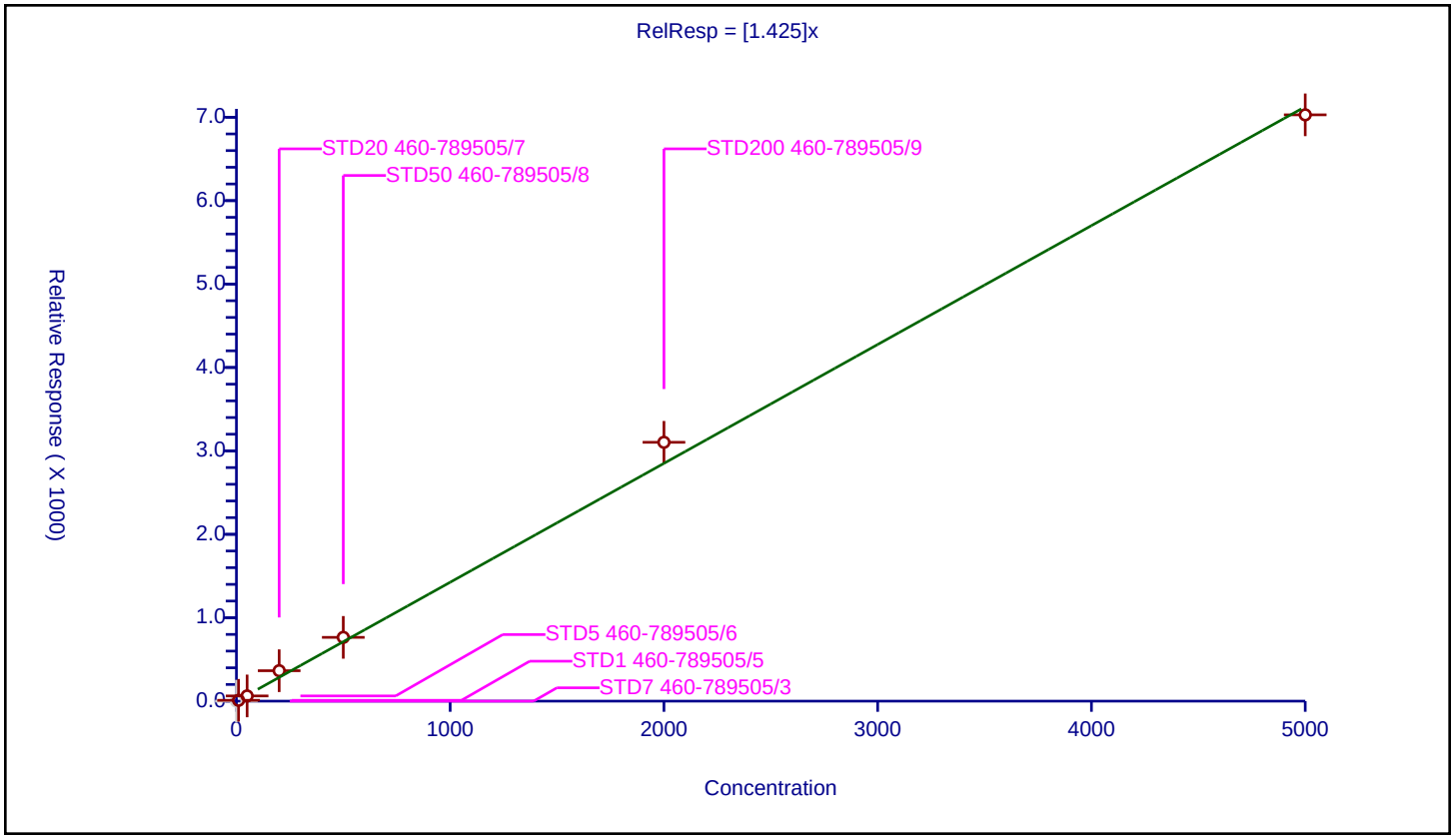
Curve Coefficients

Intercept:	0
Slope:	1.425

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	19.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	10.0	9.947278	1000.0	282992.0	0.994728	Y
3	STD5 460-789505/6	50.0	62.300587	1000.0	310286.0	1.246012	Y
4	STD20 460-789505/7	200.0	364.851421	1000.0	279448.0	1.824257	Y
5	STD50 460-789505/8	500.0	764.481323	1000.0	307793.0	1.528963	Y
6	STD200 460-789505/9	2000.0	3102.974688	1000.0	390562.0	1.551487	Y
7	STD500 460-789505/10	5000.0	7028.755781	1000.0	498578.0	1.405751	Y



Calibration / Chlorobromomethane

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

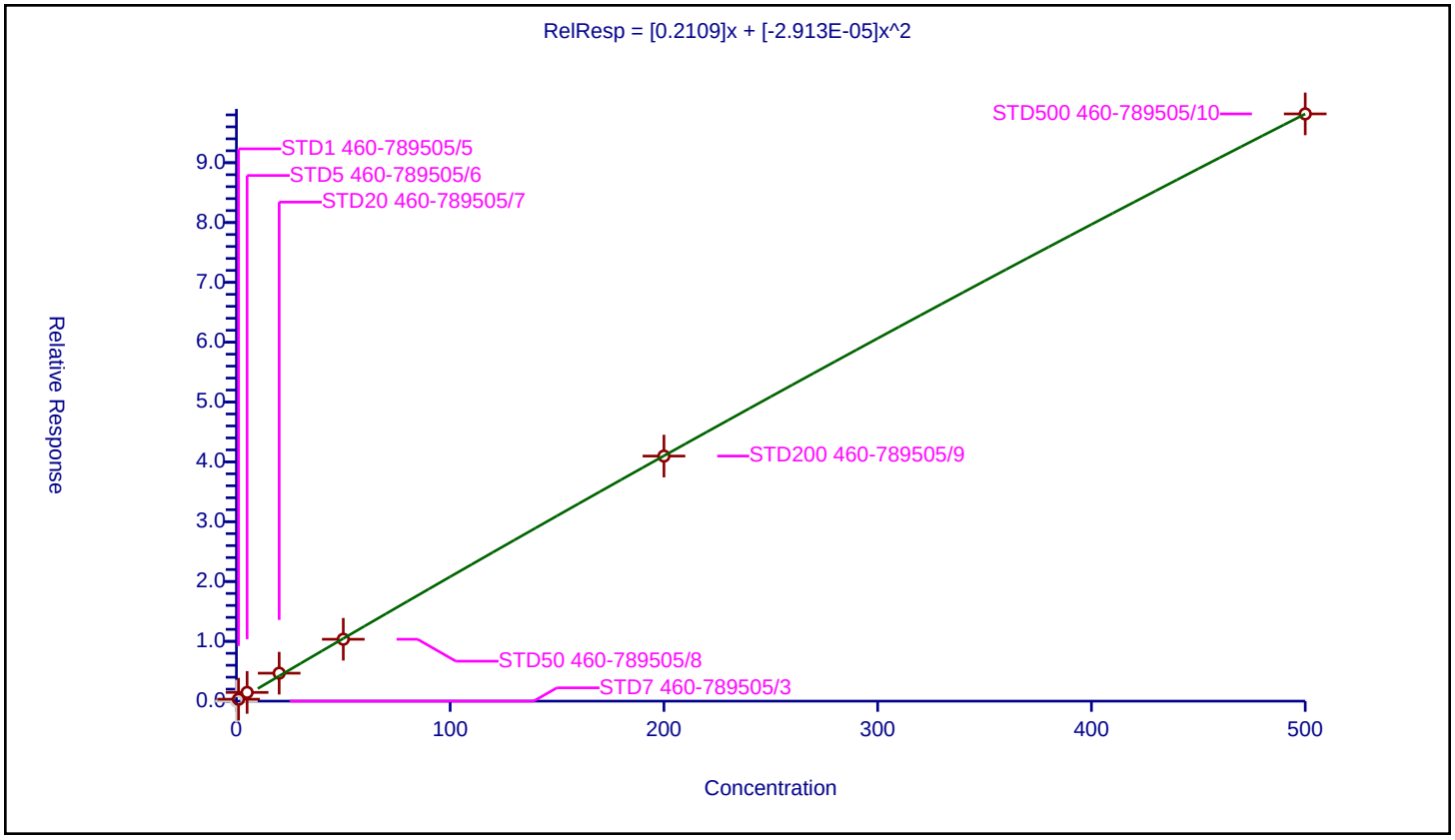
Curve Coefficients

Intercept:	0
Slope:	0.2109
Second Order:	-2.913E-05

Error Coefficients

Standard Error:	727000
Relative Standard Error:	33.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.323481	50.0	490910.0	0.323481	Y
3	STD5 460-789505/6	5.0	1.456912	50.0	501506.0	0.291382	Y
4	STD20 460-789505/7	20.0	4.670424	50.0	483136.0	0.233521	Y
5	STD50 460-789505/8	50.0	10.346096	50.0	532771.0	0.206922	Y
6	STD200 460-789505/9	200.0	40.9644	50.0	595417.0	0.204822	Y
7	STD500 460-789505/10	500.0	98.16172	50.0	695188.0	0.196323	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

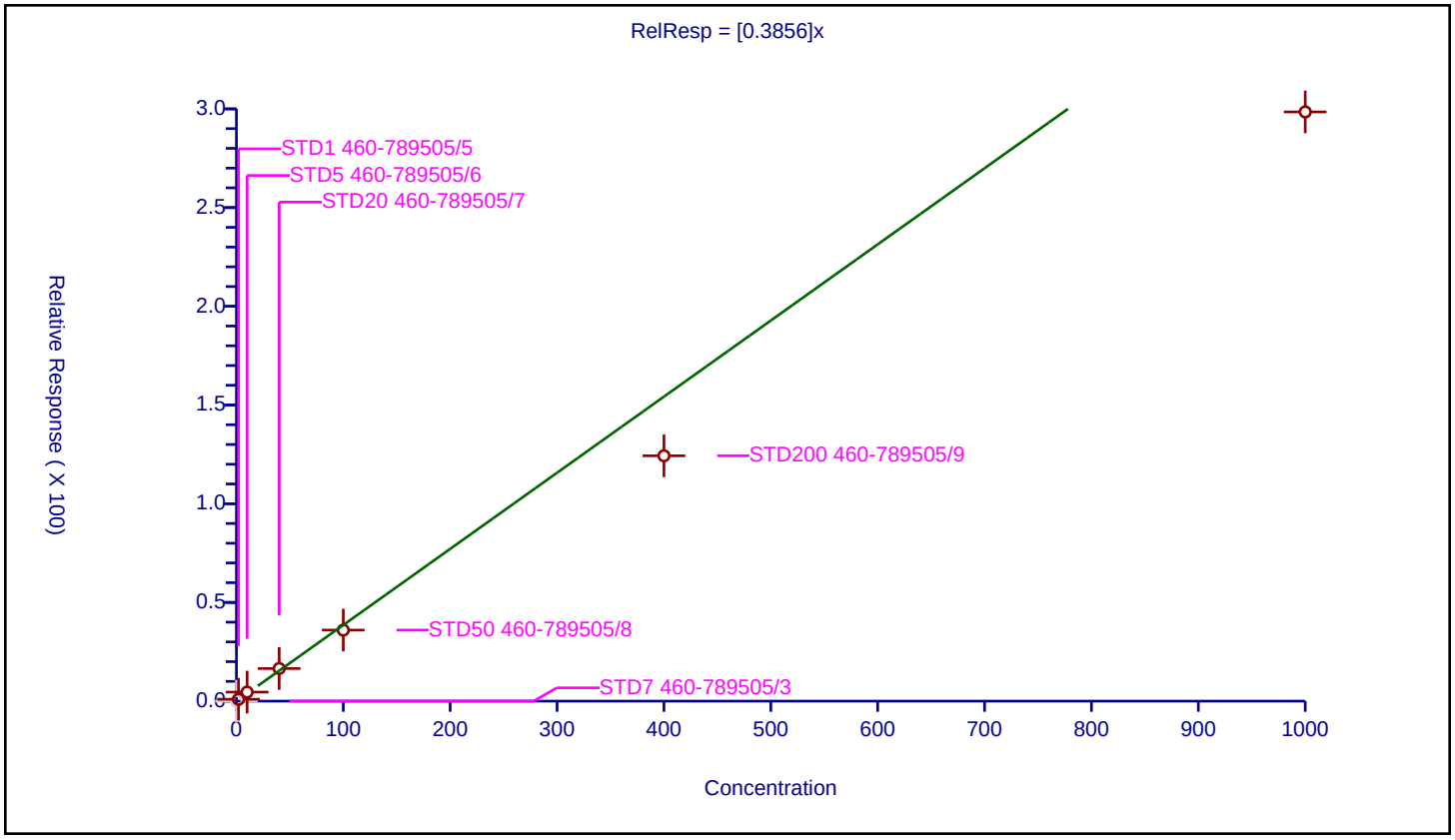
Curve Coefficients

Intercept:	0
Slope:	0.3856

Error Coefficients

Standard Error:	302000
Relative Standard Error:	19.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	250.0	267995.0	NaN	N
2	STD1 460-789505/5	2.0	0.947619	250.0	291784.0	0.473809	Y
3	STD5 460-789505/6	10.0	4.57558	250.0	295427.0	0.457558	Y
4	STD20 460-789505/7	40.0	16.527314	250.0	280702.0	0.413183	Y
5	STD50 460-789505/8	100.0	35.982842	250.0	323821.0	0.359828	Y
6	STD200 460-789505/9	400.0	124.284955	250.0	416058.0	0.310712	Y
7	STD500 460-789505/10	1000.0	298.462963	250.0	536812.0	0.298463	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

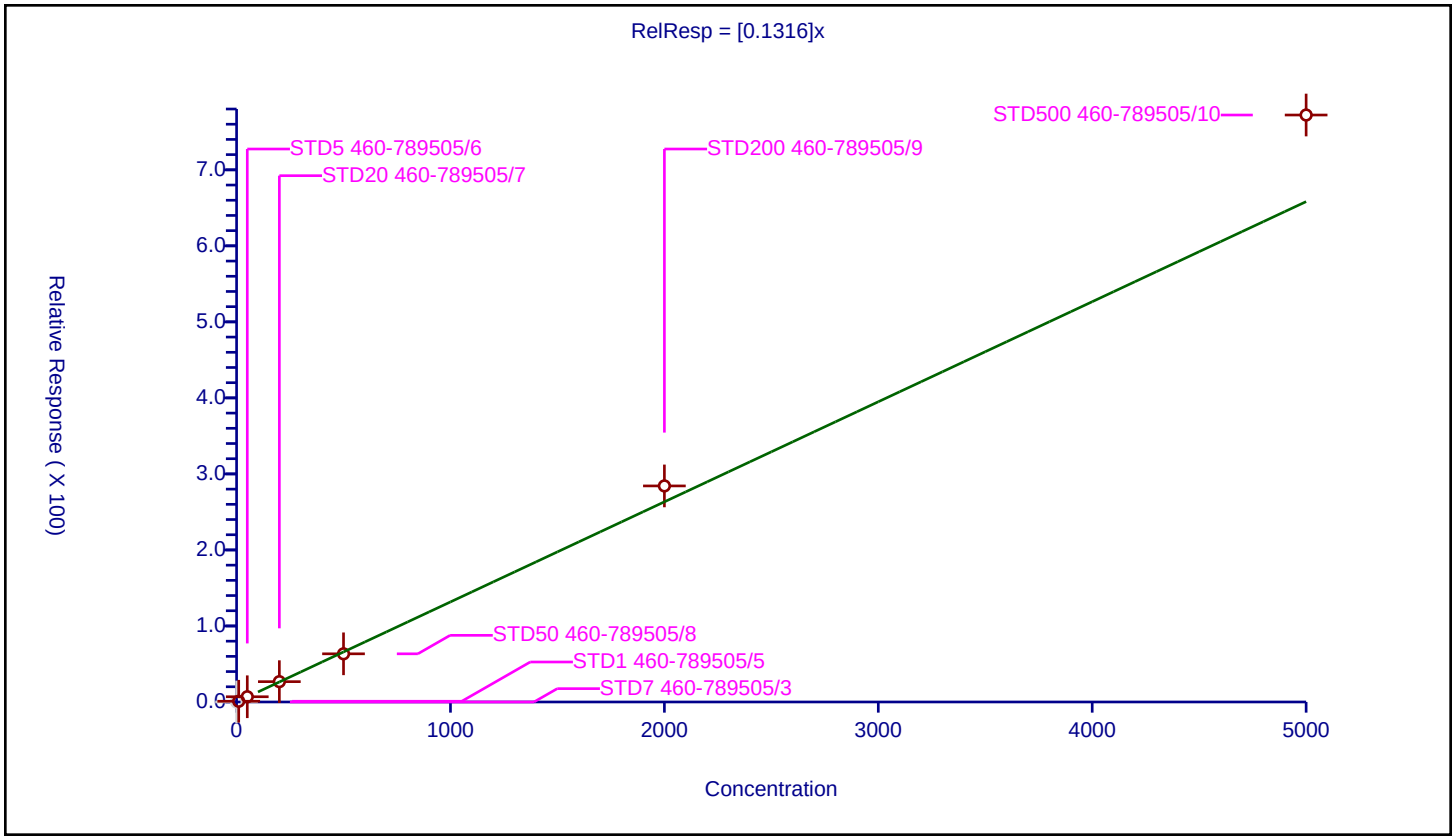
Curve Coefficients

Intercept:	0
Slope:	0.1316

Error Coefficients

Standard Error:	5040000
Relative Standard Error:	15.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	10.0	0.947832	50.0	490910.0	0.094783	Y
3	STD5 460-789505/6	50.0	6.898821	50.0	501506.0	0.137976	Y
4	STD20 460-789505/7	200.0	26.752923	50.0	483136.0	0.133765	Y
5	STD50 460-789505/8	500.0	63.377323	50.0	532771.0	0.126755	Y
6	STD200 460-789505/9	2000.0	284.212577	50.0	595417.0	0.142106	Y
7	STD500 460-789505/10	5000.0	772.111788	50.0	695188.0	0.154422	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

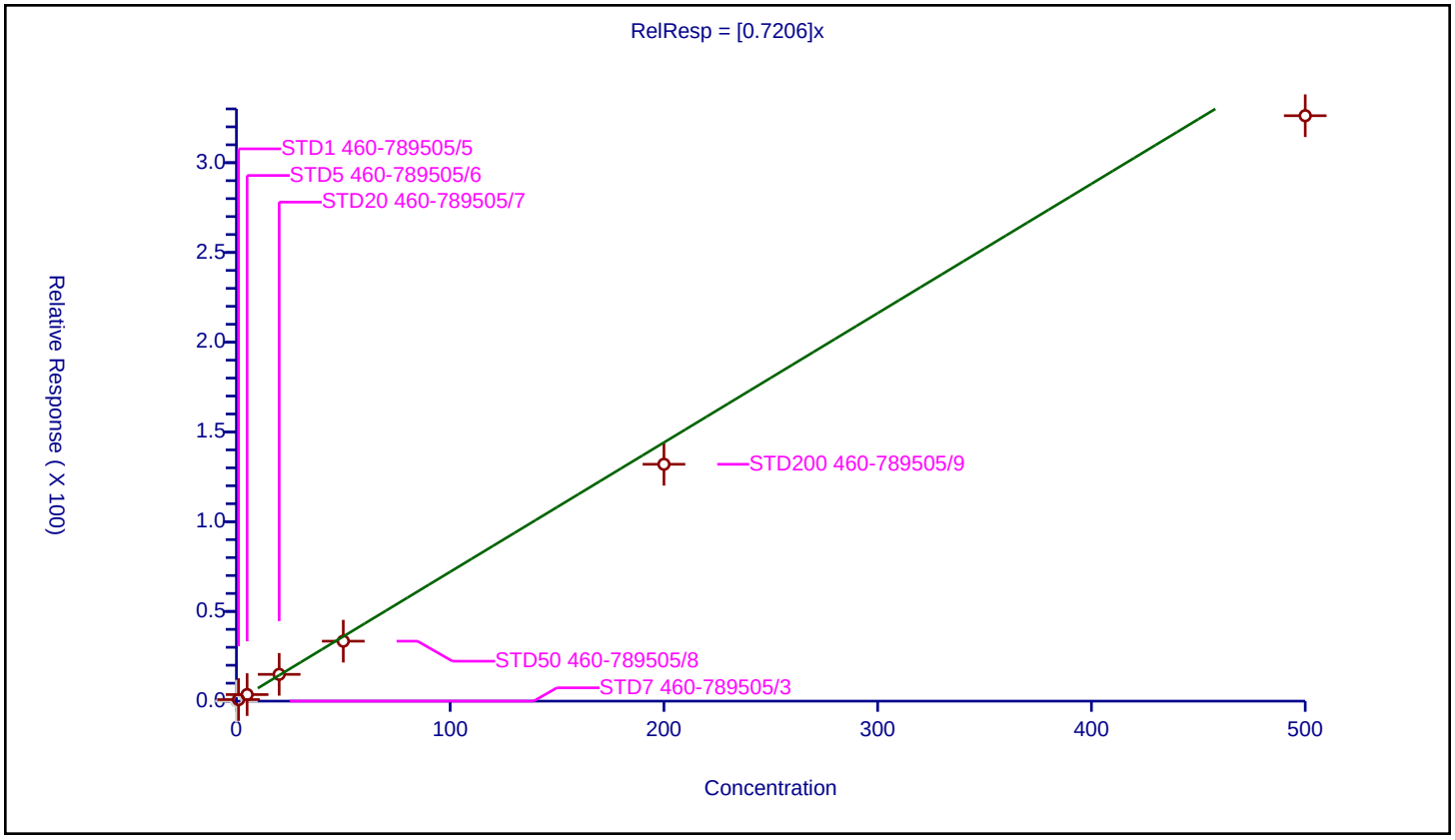
Curve Coefficients

Intercept:	0
Slope:	0.7206

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	11.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.865637	50.0	490910.0	0.865637	Y
3	STD5 460-789505/6	5.0	3.65549	50.0	501506.0	0.731098	Y
4	STD20 460-789505/7	20.0	14.92499	50.0	483136.0	0.74625	Y
5	STD50 460-789505/8	50.0	33.413042	50.0	532771.0	0.668261	Y
6	STD200 460-789505/9	200.0	131.988673	50.0	595417.0	0.659943	Y
7	STD500 460-789505/10	500.0	326.200467	50.0	695188.0	0.652401	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

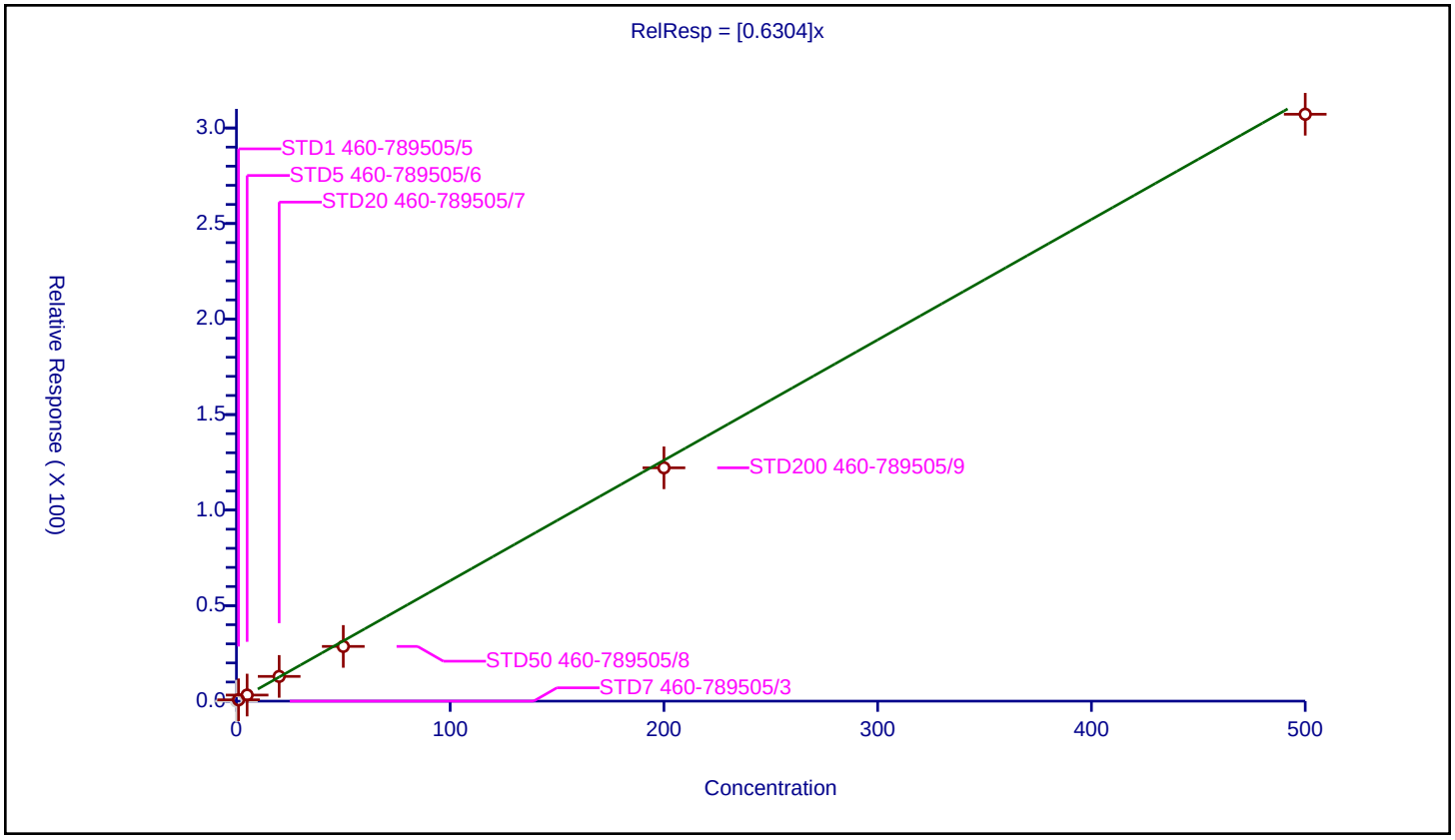
Curve Coefficients

Intercept:	0
Slope:	0.6304

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	6.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.698804	50.0	490910.0	0.698804	Y
3	STD5 460-789505/6	5.0	3.190391	50.0	501506.0	0.638078	Y
4	STD20 460-789505/7	20.0	12.947804	50.0	483136.0	0.64739	Y
5	STD50 460-789505/8	50.0	28.642043	50.0	532771.0	0.572841	Y
6	STD200 460-789505/9	200.0	122.133312	50.0	595417.0	0.610667	Y
7	STD500 460-789505/10	500.0	307.197046	50.0	695188.0	0.614394	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

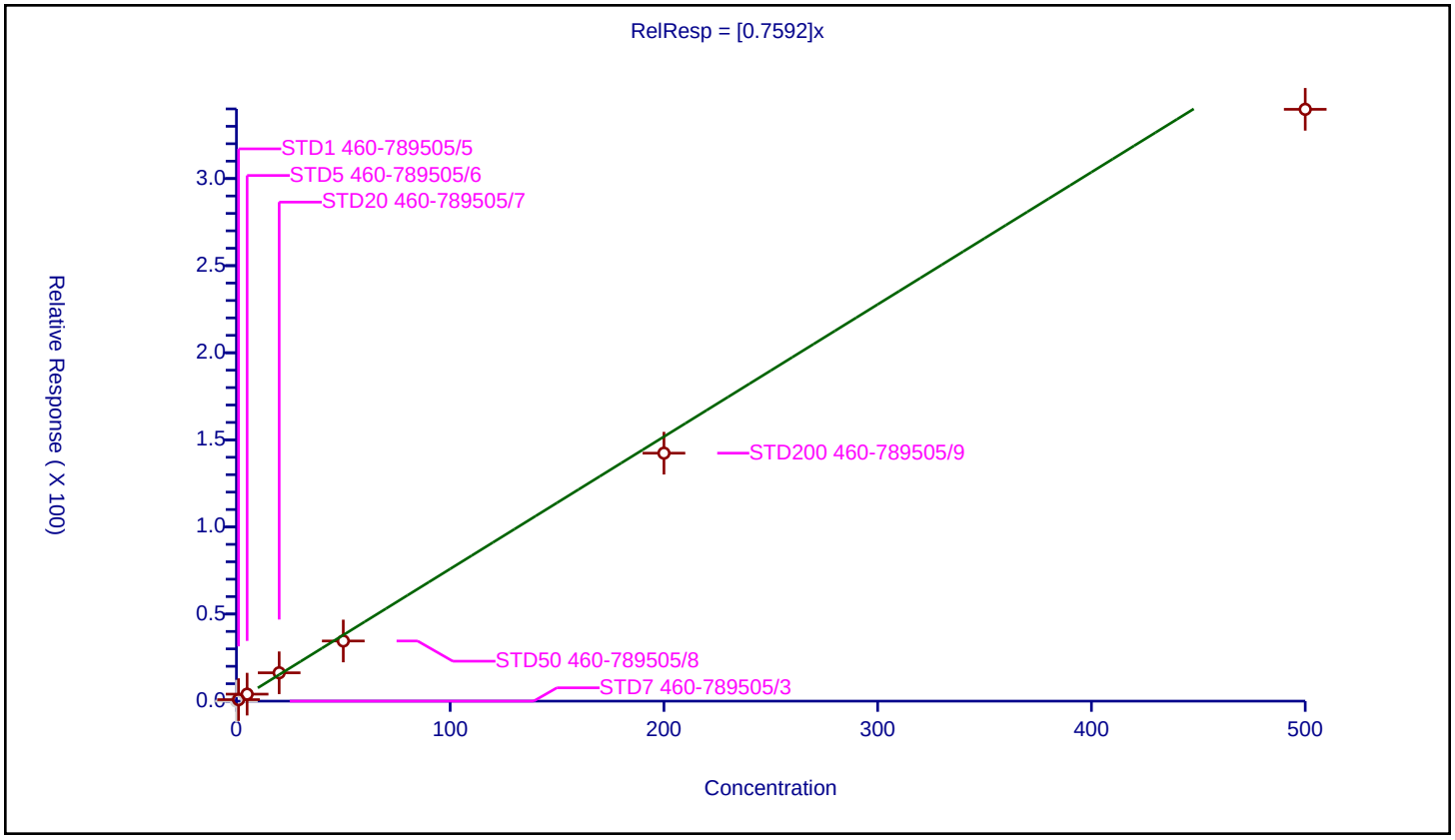
Curve Coefficients

Intercept:	0
Slope:	0.7592

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.857591	50.0	490910.0	0.857591	Y
3	STD5 460-789505/6	5.0	4.010221	50.0	501506.0	0.802044	Y
4	STD20 460-789505/7	20.0	16.270056	50.0	483136.0	0.813503	Y
5	STD50 460-789505/8	50.0	34.531534	50.0	532771.0	0.690631	Y
6	STD200 460-789505/9	200.0	142.352335	50.0	595417.0	0.711762	Y
7	STD500 460-789505/10	500.0	339.752772	50.0	695188.0	0.679506	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

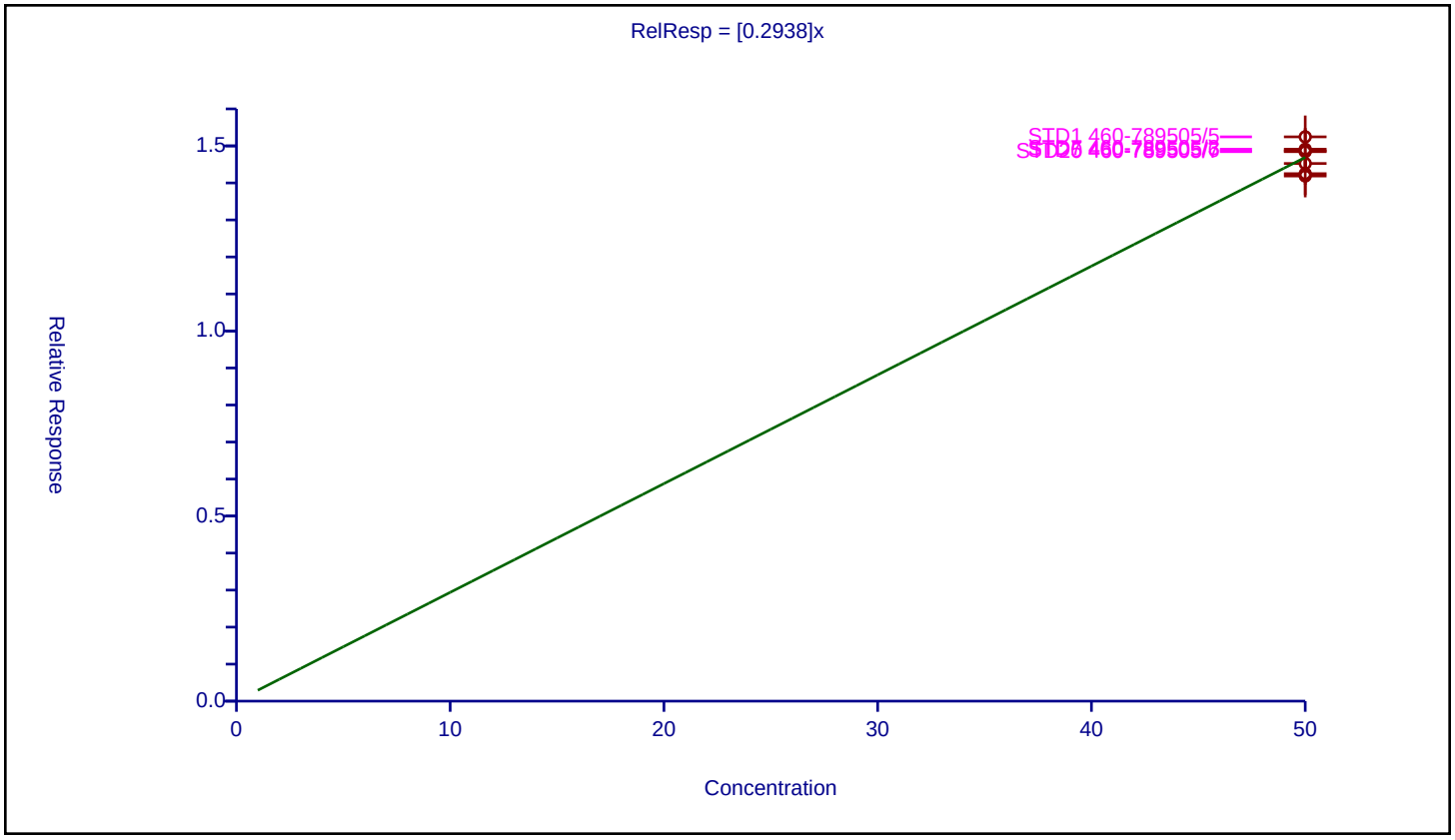
Curve Coefficients

Intercept:	0
Slope:	0.2938

Error Coefficients

Standard Error:	172000
Relative Standard Error:	2.6
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	50.0	14.911087	50.0	478218.0	0.298222	Y
2	STD1 460-789505/5	50.0	15.244444	50.0	490910.0	0.304889	Y
3	STD5 460-789505/6	50.0	14.865226	50.0	501506.0	0.297305	Y
4	STD20 460-789505/7	50.0	14.844578	50.0	483136.0	0.296892	Y
5	STD50 460-789505/8	50.0	14.524721	50.0	532771.0	0.290494	Y
6	STD200 460-789505/9	50.0	14.186528	50.0	595417.0	0.283731	Y
7	STD500 460-789505/10	50.0	14.249814	50.0	695188.0	0.284996	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

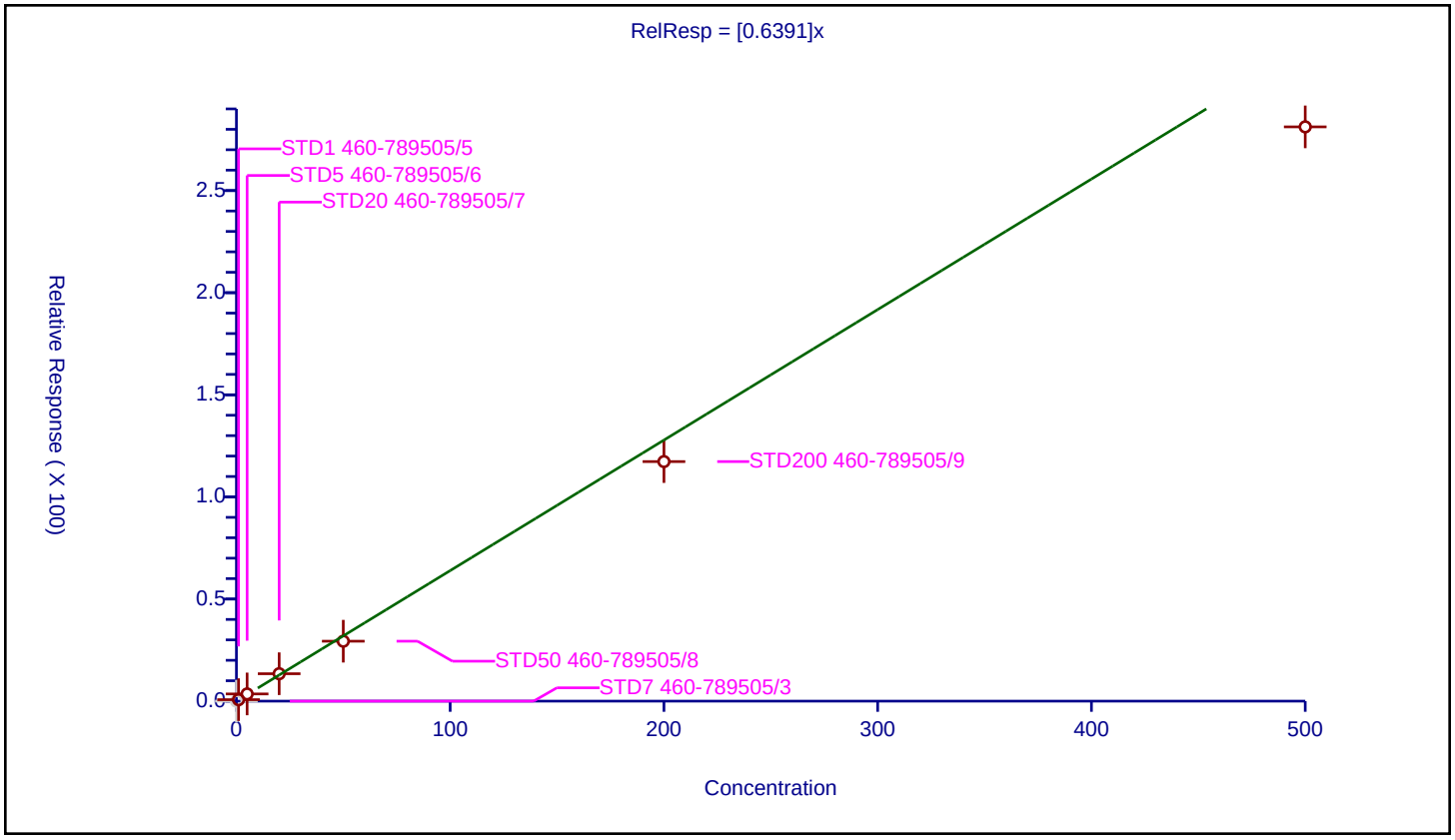
Curve Coefficients

Intercept:	0
Slope:	0.6391

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.721008	50.0	490910.0	0.721008	Y
3	STD5 460-789505/6	5.0	3.531663	50.0	501506.0	0.706333	Y
4	STD20 460-789505/7	20.0	13.430897	50.0	483136.0	0.671545	Y
5	STD50 460-789505/8	50.0	29.34713	50.0	532771.0	0.586943	Y
6	STD200 460-789505/9	200.0	117.299388	50.0	595417.0	0.586497	Y
7	STD500 460-789505/10	500.0	281.199618	50.0	695188.0	0.562399	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

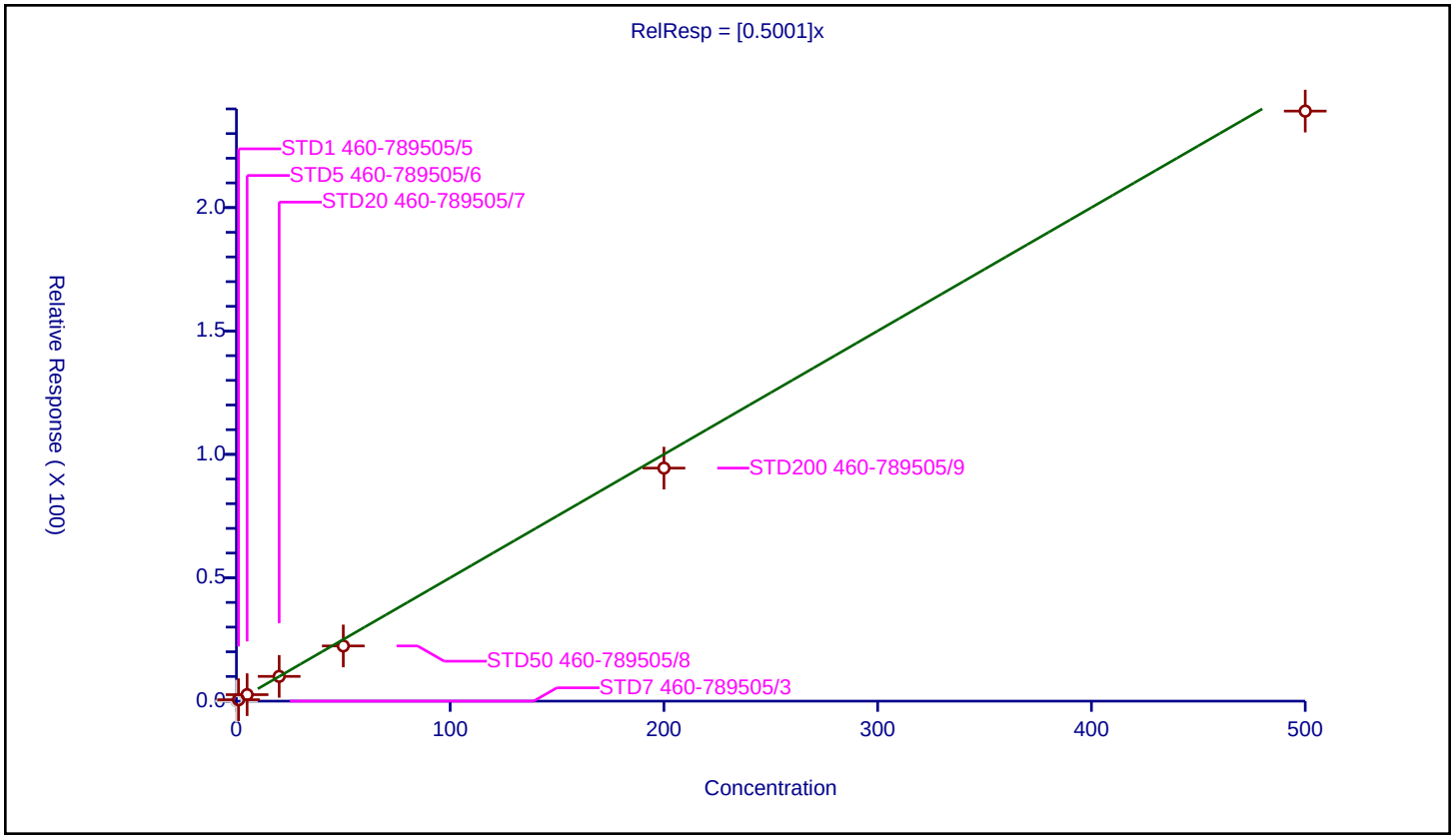
Curve Coefficients

Intercept:	0
Slope:	0.5001

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	9.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.575666	50.0	490910.0	0.575666	Y
3	STD5 460-789505/6	5.0	2.628483	50.0	501506.0	0.525697	Y
4	STD20 460-789505/7	20.0	10.027404	50.0	483136.0	0.50137	Y
5	STD50 460-789505/8	50.0	22.368898	50.0	532771.0	0.447378	Y
6	STD200 460-789505/9	200.0	94.432557	50.0	595417.0	0.472163	Y
7	STD500 460-789505/10	500.0	239.114312	50.0	695188.0	0.478229	Y



Calibration / Isobutyl alcohol

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

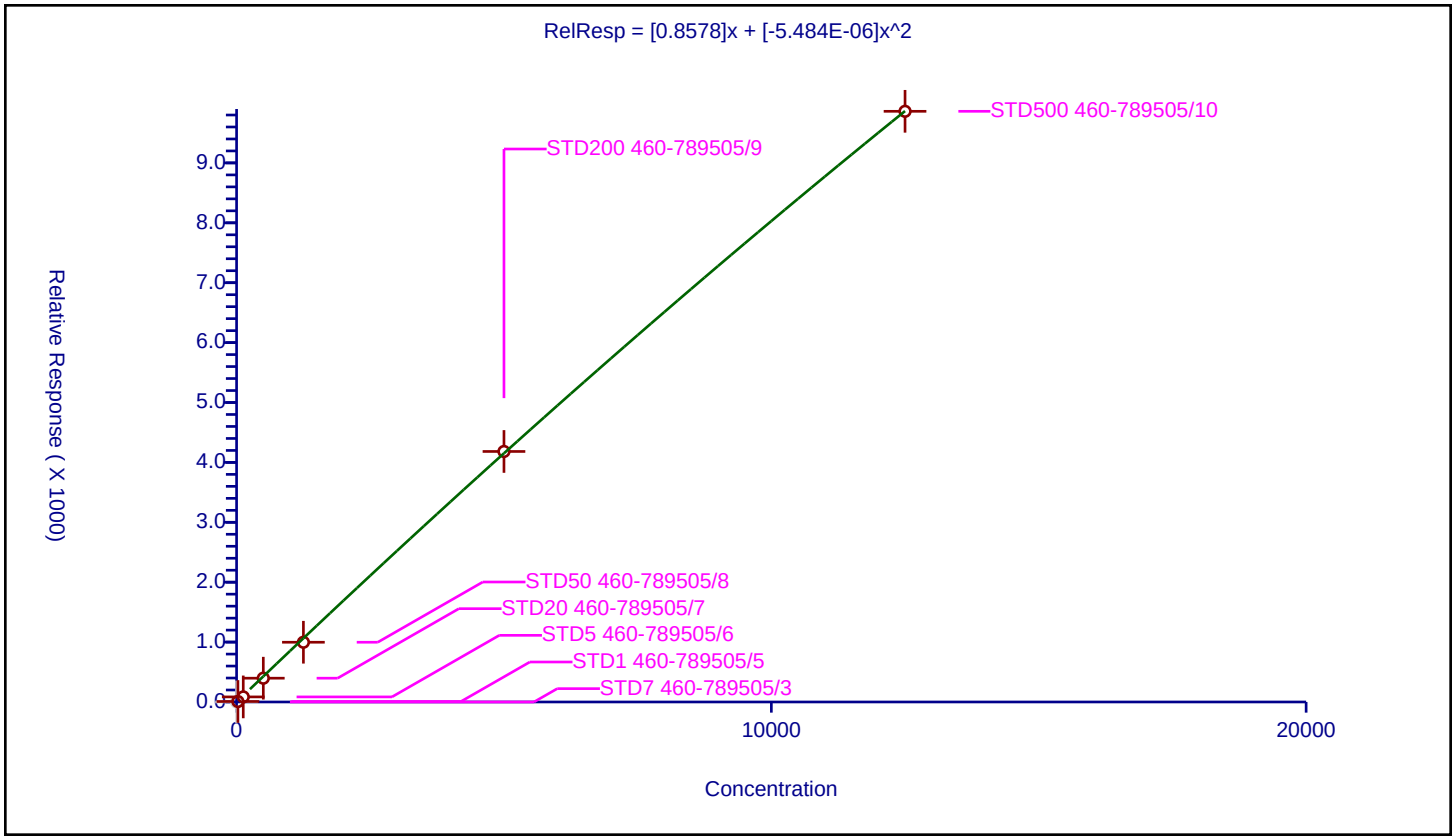
Curve Coefficients

Intercept:	0
Slope:	0.8578
Second Order:	-5.484E-06

Error Coefficients

Standard Error:	2590000
Relative Standard Error:	32.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	25.0	8.212246	1000.0	282992.0	0.32849	Y
3	STD5 460-789505/6	125.0	84.947436	1000.0	310286.0	0.679579	Y
4	STD20 460-789505/7	500.0	397.150812	1000.0	279448.0	0.794302	Y
5	STD50 460-789505/8	1250.0	997.482074	1000.0	307793.0	0.797986	Y
6	STD200 460-789505/9	5000.0	4182.716188	1000.0	390562.0	0.836543	Y
7	STD500 460-789505/10	12500.0	9861.690648	1000.0	498578.0	0.788935	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

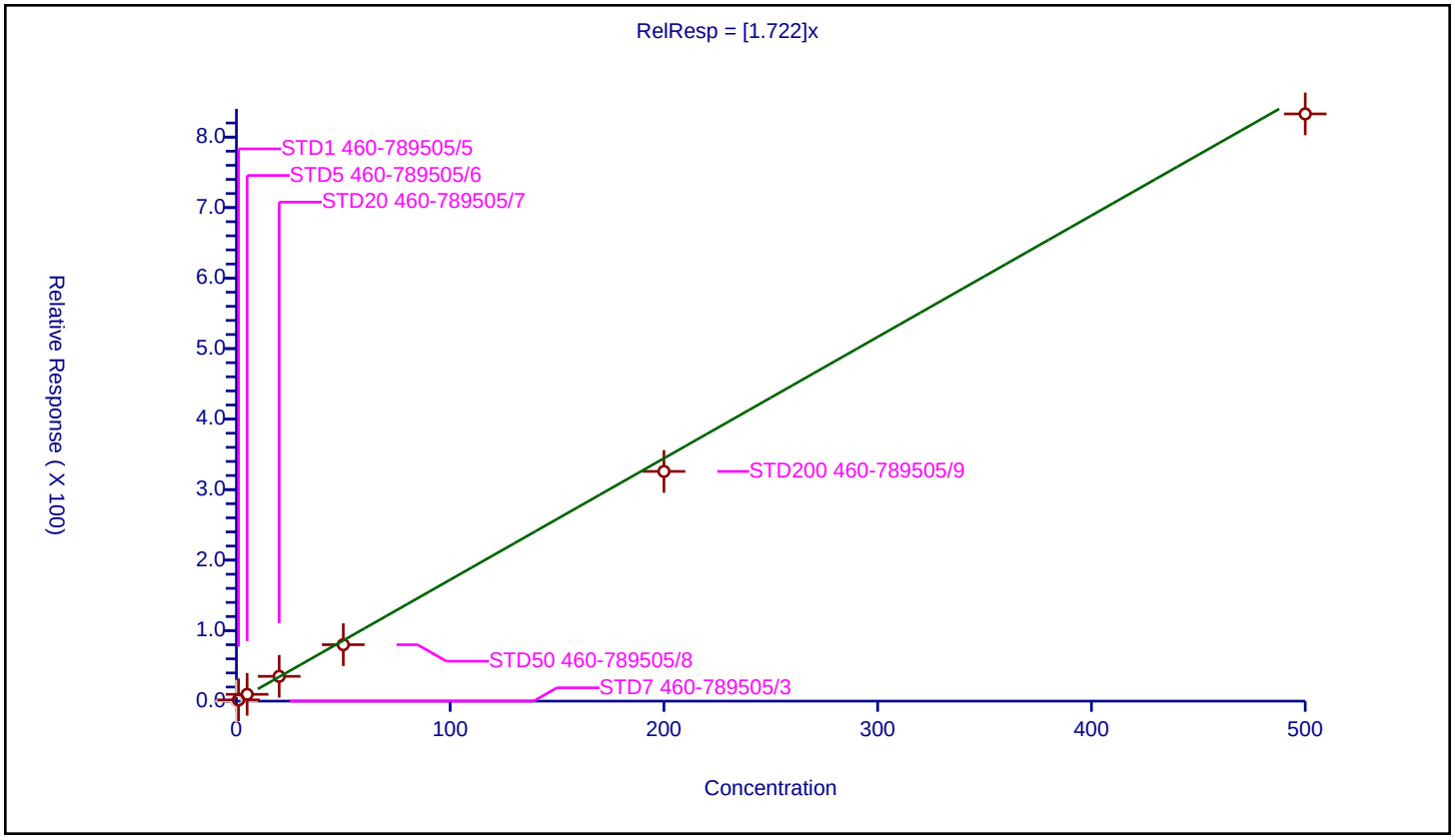
Curve Coefficients

Intercept:	0
Slope:	1.722

Error Coefficients

Standard Error:	4690000
Relative Standard Error:	7.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	1.743986	50.0	386127.0	1.743986	Y
3	STD5 460-789505/6	5.0	9.660436	50.0	381106.0	1.932087	Y
4	STD20 460-789505/7	20.0	35.183925	50.0	386543.0	1.759196	Y
5	STD50 460-789505/8	50.0	80.054928	50.0	414363.0	1.601099	Y
6	STD200 460-789505/9	200.0	325.841516	50.0	487899.0	1.629208	Y
7	STD500 460-789505/10	500.0	832.915414	50.0	597843.0	1.665831	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

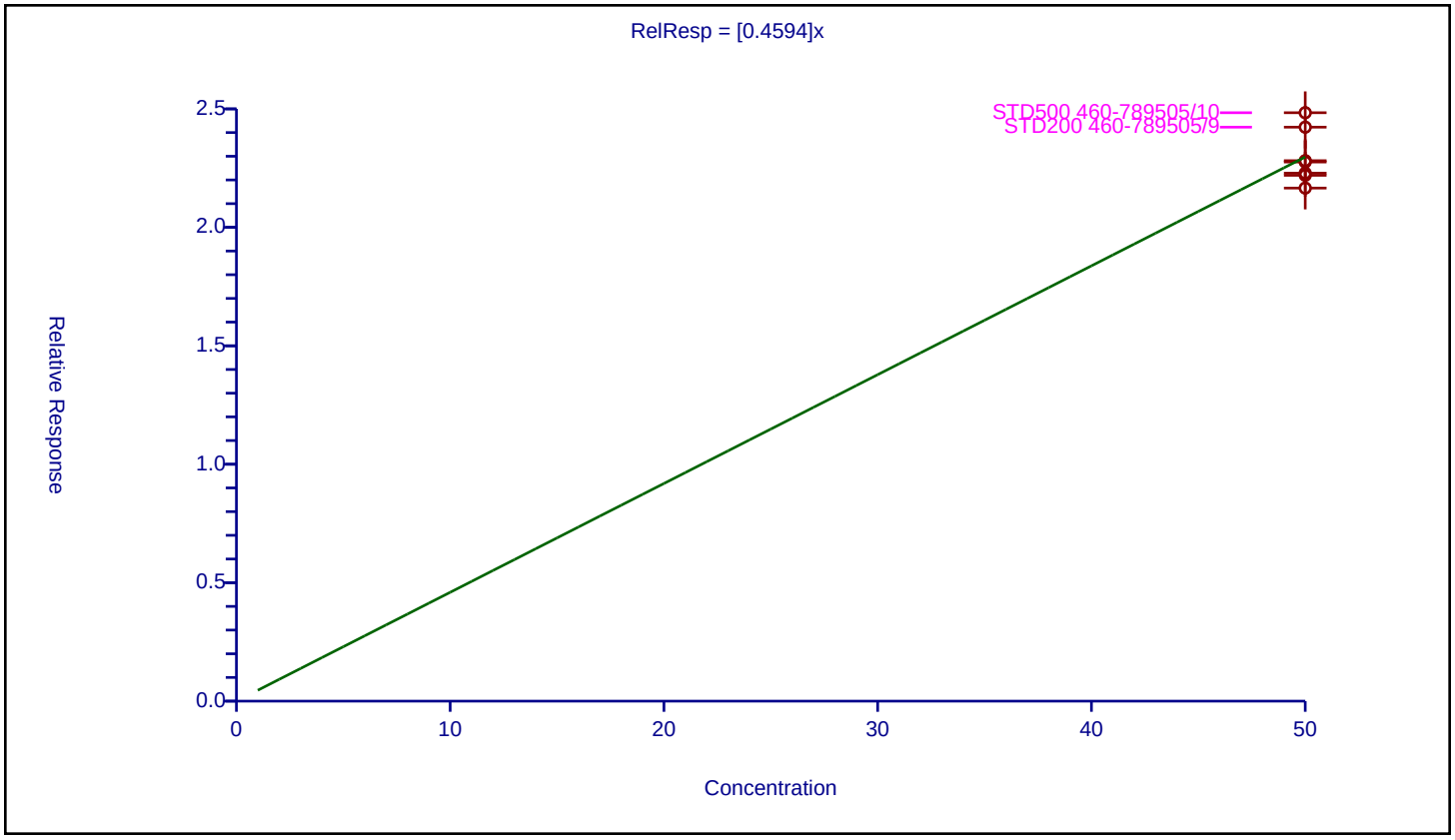
Curve Coefficients

Intercept:	0
Slope:	0.4594

Error Coefficients

Standard Error:	274000
Relative Standard Error:	5.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	50.0	21.6578	50.0	478218.0	0.433156	Y
2	STD1 460-789505/5	50.0	22.196329	50.0	490910.0	0.443927	Y
3	STD5 460-789505/6	50.0	22.757754	50.0	501506.0	0.455155	Y
4	STD20 460-789505/7	50.0	22.813763	50.0	483136.0	0.456275	Y
5	STD50 460-789505/8	50.0	22.288375	50.0	532771.0	0.445768	Y
6	STD200 460-789505/9	50.0	24.228314	50.0	595417.0	0.484566	Y
7	STD500 460-789505/10	50.0	24.838389	50.0	695188.0	0.496768	Y



Calibration / Isopropyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

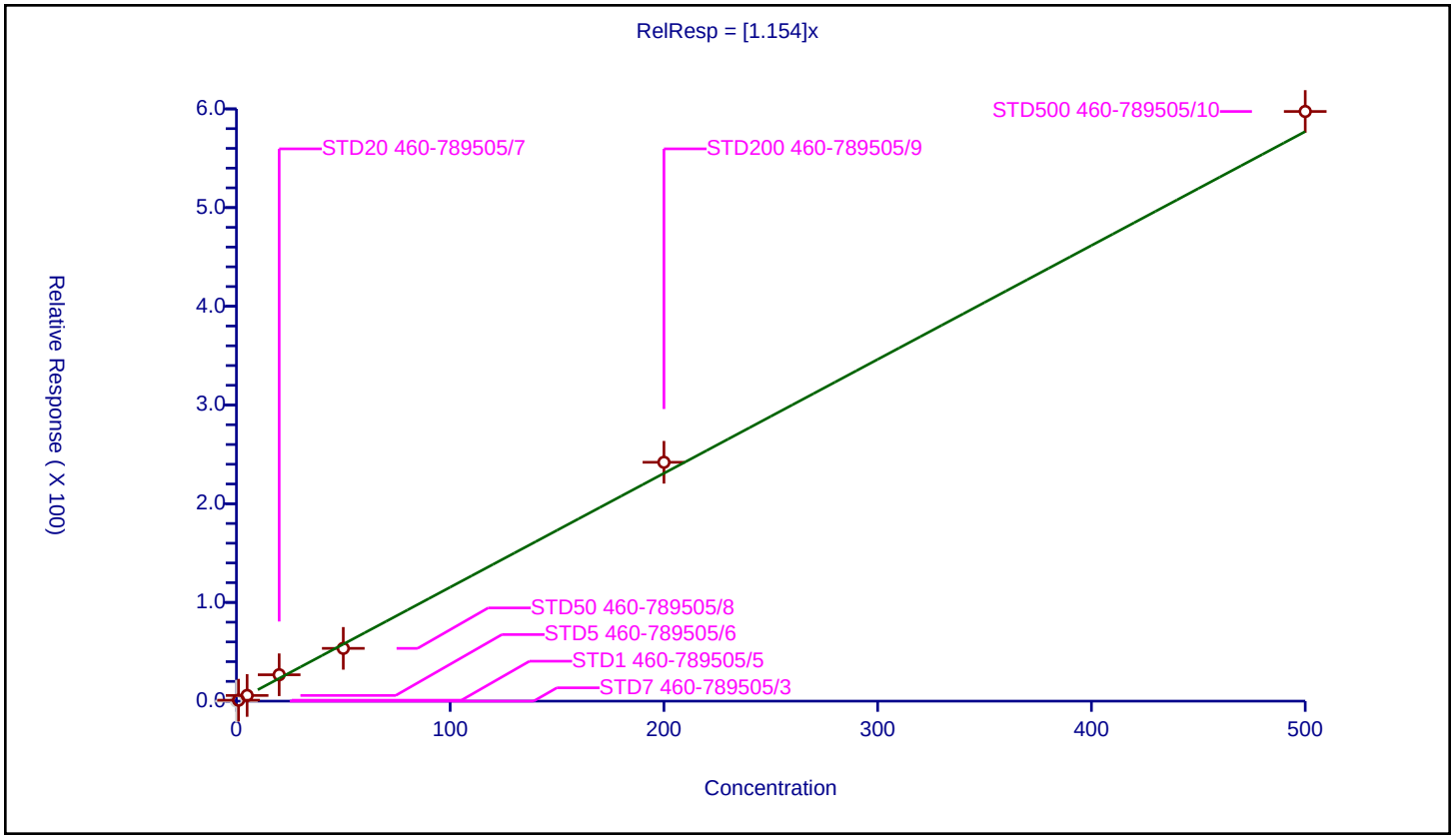
Curve Coefficients

Intercept:	0
Slope:	1.154

Error Coefficients

Standard Error:	3940000
Relative Standard Error:	11.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.962295	50.0	490910.0	0.962295	Y
3	STD5 460-789505/6	5.0	5.757658	50.0	501506.0	1.151532	Y
4	STD20 460-789505/7	20.0	26.730465	50.0	483136.0	1.336523	Y
5	STD50 460-789505/8	50.0	53.463214	50.0	532771.0	1.069264	Y
6	STD200 460-789505/9	200.0	241.985701	50.0	595417.0	1.209929	Y
7	STD500 460-789505/10	500.0	597.375674	50.0	695188.0	1.194751	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

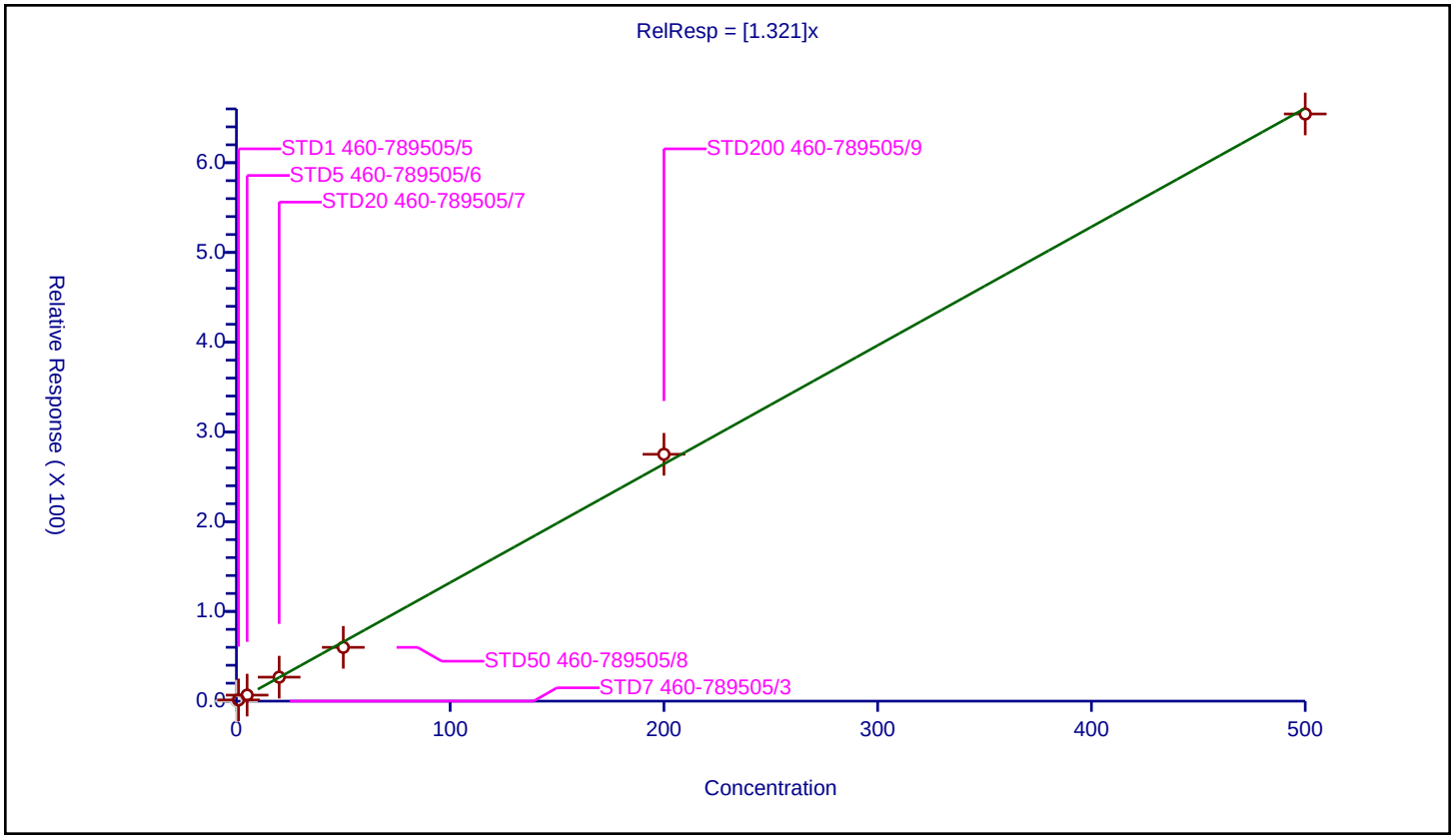
Curve Coefficients

Intercept:	0
Slope:	1.321

Error Coefficients

Standard Error:	4340000
Relative Standard Error:	4.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	1.363488	50.0	490910.0	1.363488	Y
3	STD5 460-789505/6	5.0	6.729032	50.0	501506.0	1.345806	Y
4	STD20 460-789505/7	20.0	26.721565	50.0	483136.0	1.336078	Y
5	STD50 460-789505/8	50.0	59.939543	50.0	532771.0	1.198791	Y
6	STD200 460-789505/9	200.0	275.091574	50.0	595417.0	1.375458	Y
7	STD500 460-789505/10	500.0	654.374212	50.0	695188.0	1.308748	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

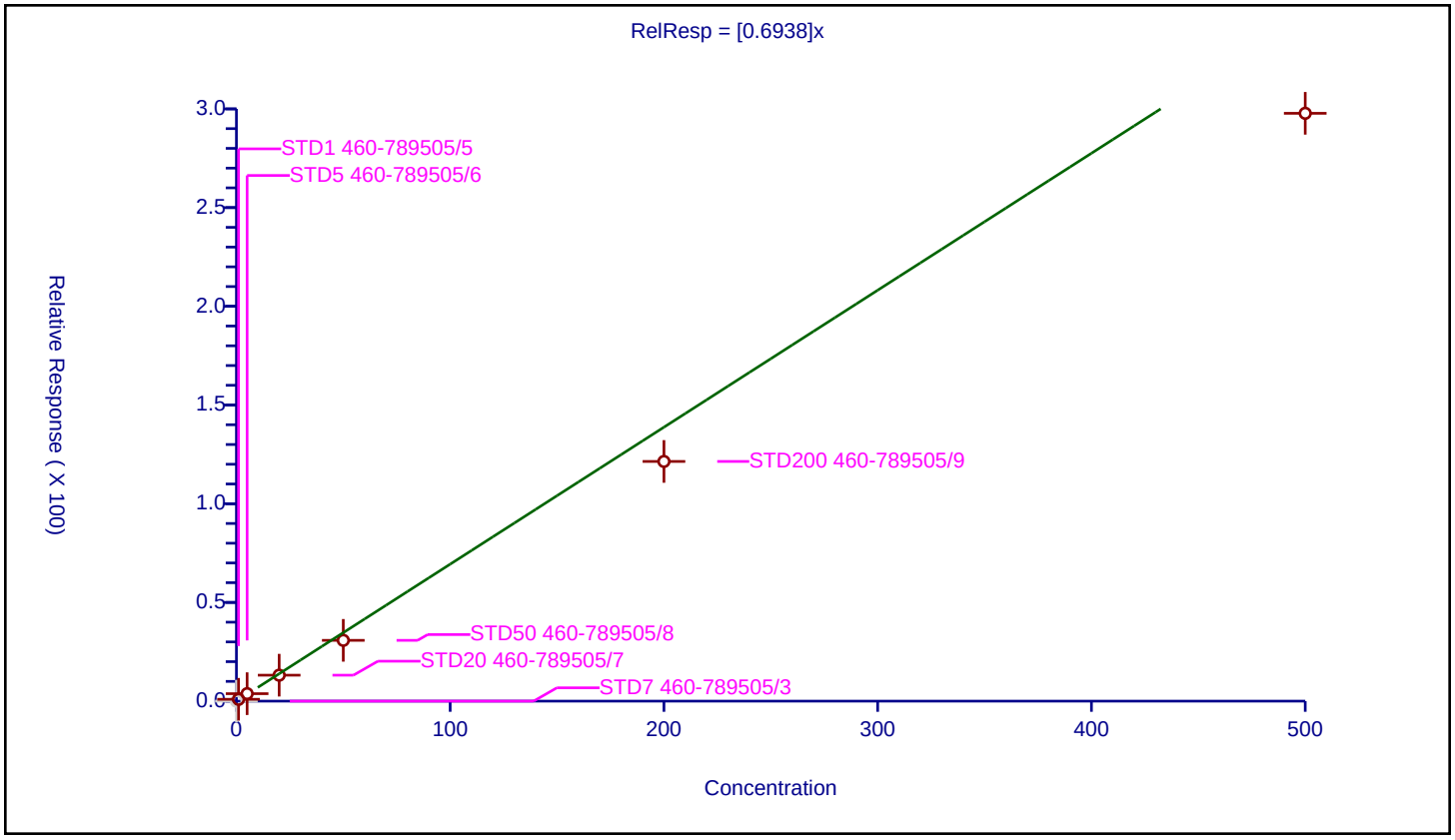
Curve Coefficients

Intercept:	0
Slope:	0.6938

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	18.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.930822	50.0	490910.0	0.930822	Y
3	STD5 460-789505/6	5.0	3.781111	50.0	501506.0	0.756222	Y
4	STD20 460-789505/7	20.0	13.147023	50.0	483136.0	0.657351	Y
5	STD50 460-789505/8	50.0	30.797191	50.0	532771.0	0.615944	Y
6	STD200 460-789505/9	200.0	121.411884	50.0	595417.0	0.607059	Y
7	STD500 460-789505/10	500.0	297.763986	50.0	695188.0	0.595528	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

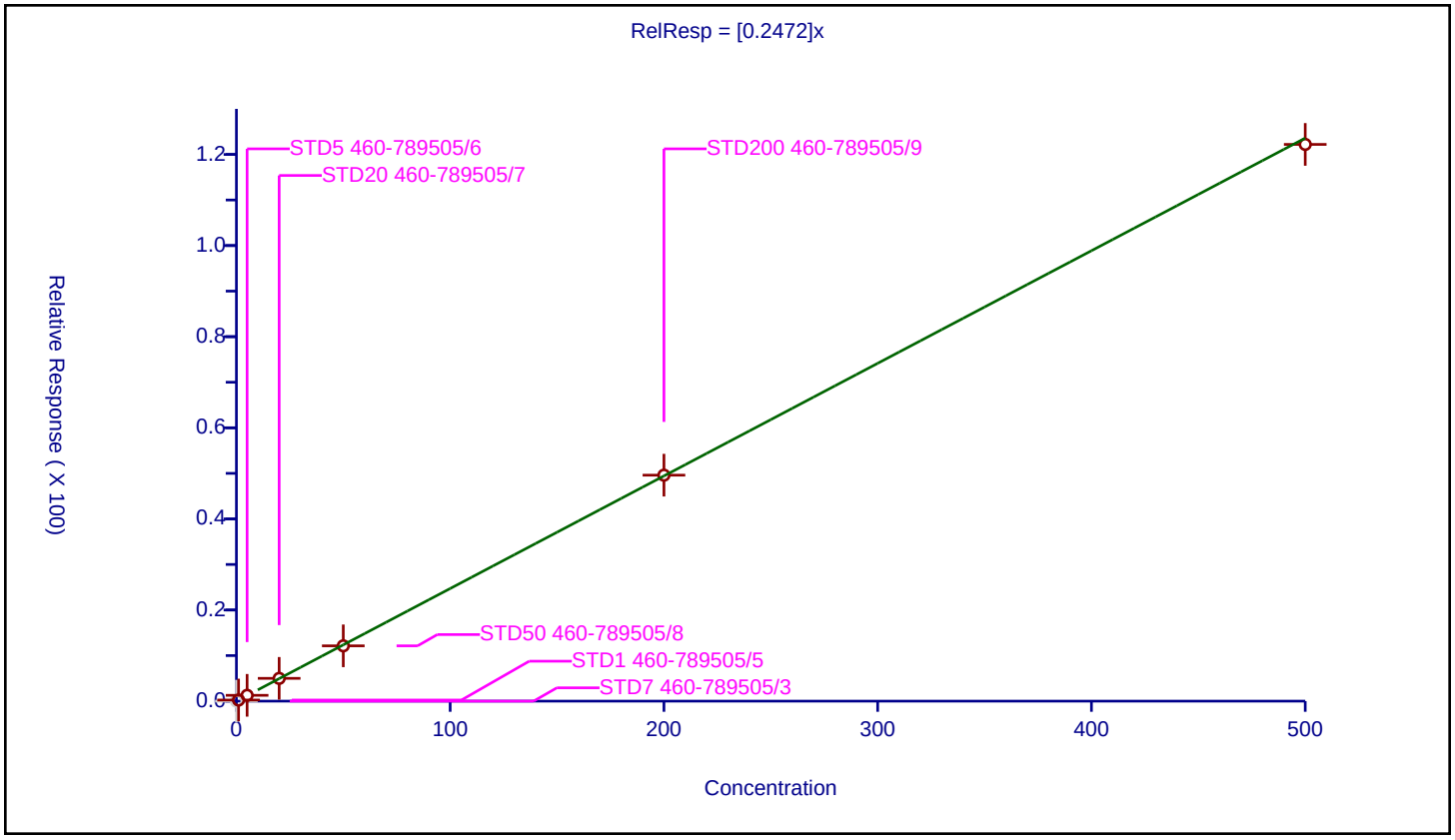
Curve Coefficients

Intercept:	0
Slope:	0.2472

Error Coefficients

Standard Error:	807000
Relative Standard Error:	2.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.242713	50.0	490910.0	0.242713	Y
3	STD5 460-789505/6	5.0	1.276256	50.0	501506.0	0.255251	Y
4	STD20 460-789505/7	20.0	4.998489	50.0	483136.0	0.249924	Y
5	STD50 460-789505/8	50.0	12.137297	50.0	532771.0	0.242746	Y
6	STD200 460-789505/9	200.0	49.601036	50.0	595417.0	0.248005	Y
7	STD500 460-789505/10	500.0	122.199606	50.0	695188.0	0.244399	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

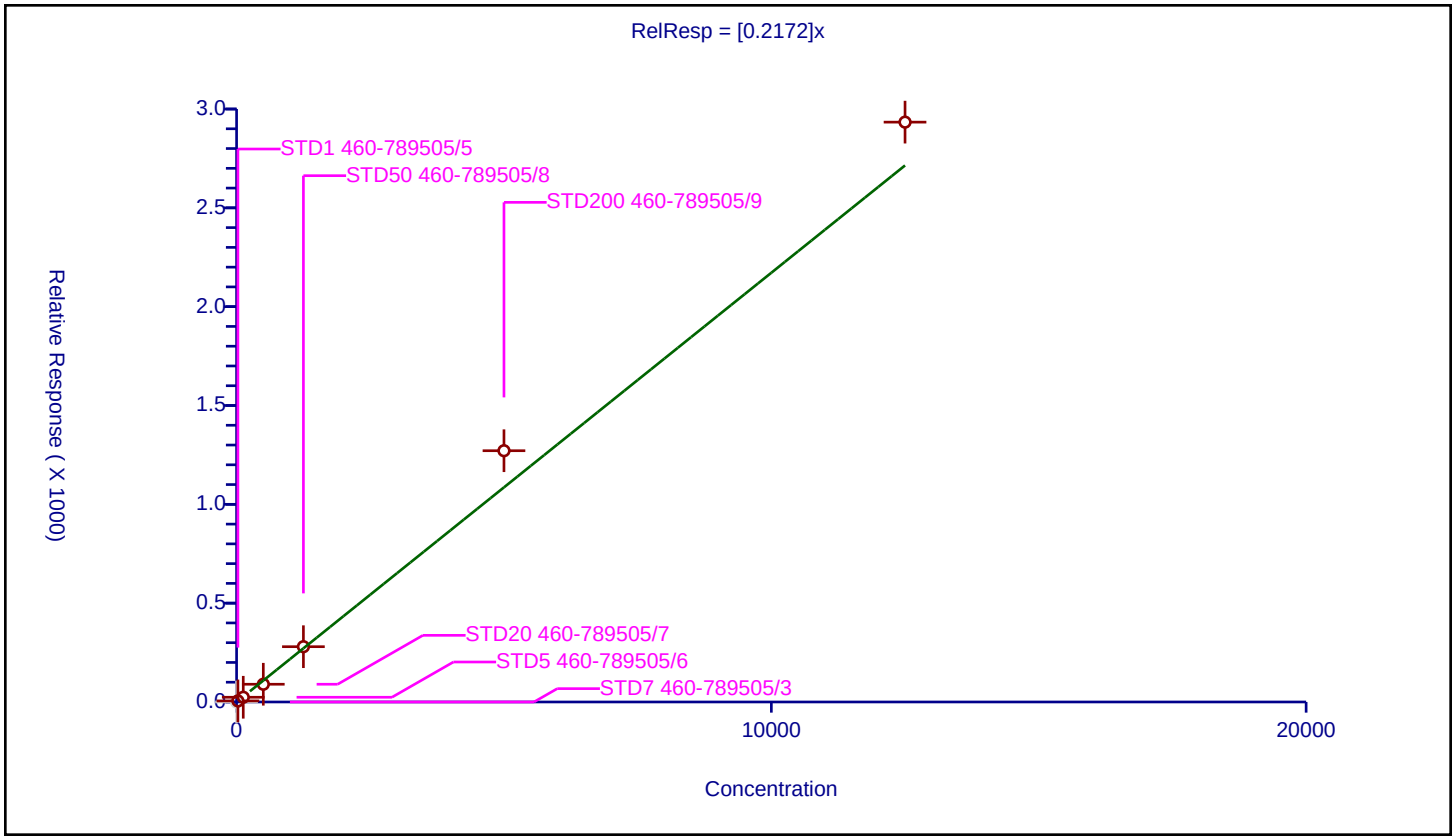
Curve Coefficients

Intercept:	0
Slope:	0.2172

Error Coefficients

Standard Error:	691000
Relative Standard Error:	12.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	290509.0	NaN	N
2	STD1 460-789505/5	25.0	5.48072	1000.0	282992.0	0.219229	Y
3	STD5 460-789505/6	125.0	23.942427	1000.0	310286.0	0.191539	Y
4	STD20 460-789505/7	500.0	89.734047	1000.0	279448.0	0.179468	Y
5	STD50 460-789505/8	1250.0	279.788689	1000.0	307793.0	0.223831	Y
6	STD200 460-789505/9	5000.0	1271.160533	1000.0	390562.0	0.254232	Y
7	STD500 460-789505/10	12500.0	2933.663339	1000.0	498578.0	0.234693	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

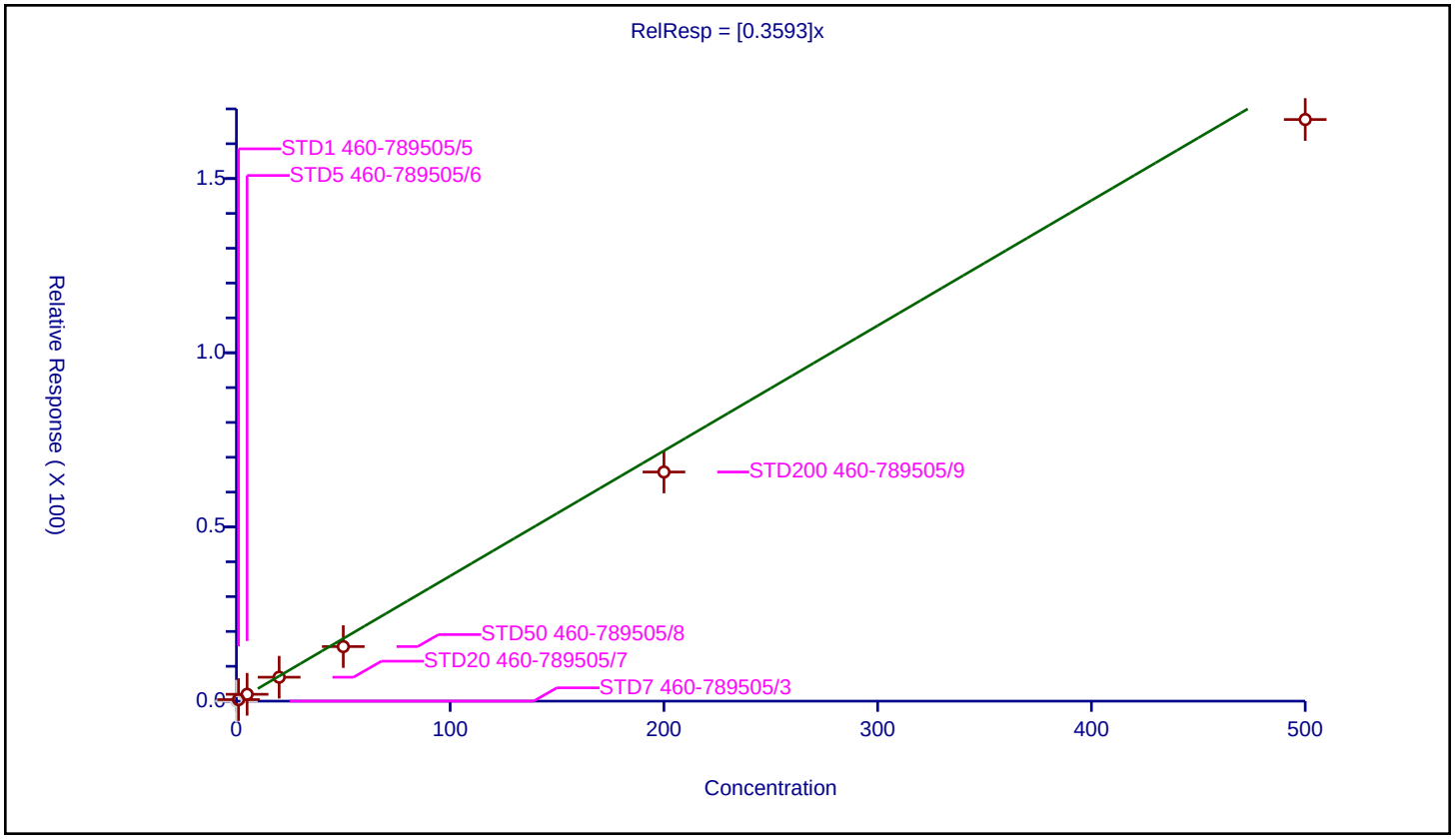
Curve Coefficients

Intercept:	0
Slope:	0.3593

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	13.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.442444	50.0	490910.0	0.442444	Y
3	STD5 460-789505/6	5.0	1.969867	50.0	501506.0	0.393973	Y
4	STD20 460-789505/7	20.0	6.871357	50.0	483136.0	0.343568	Y
5	STD50 460-789505/8	50.0	15.657102	50.0	532771.0	0.313142	Y
6	STD200 460-789505/9	200.0	65.777178	50.0	595417.0	0.328886	Y
7	STD500 460-789505/10	500.0	166.949875	50.0	695188.0	0.3339	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

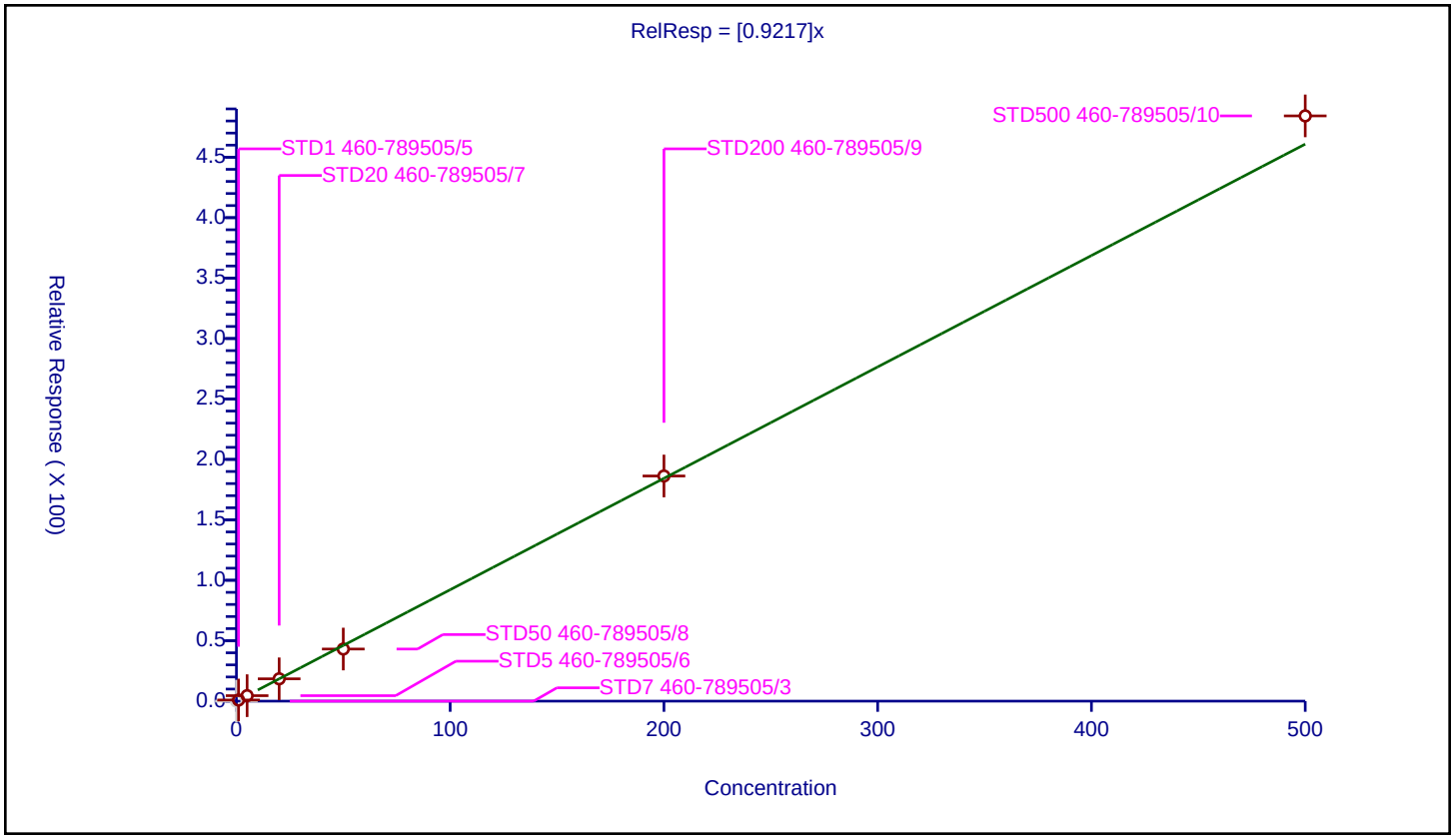
Curve Coefficients

Intercept:	0
Slope:	0.9217

Error Coefficients

Standard Error:	3180000
Relative Standard Error:	3.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.940804	50.0	490910.0	0.940804	Y
3	STD5 460-789505/6	5.0	4.519288	50.0	501506.0	0.903858	Y
4	STD20 460-789505/7	20.0	18.46685	50.0	483136.0	0.923342	Y
5	STD50 460-789505/8	50.0	43.114678	50.0	532771.0	0.862294	Y
6	STD200 460-789505/9	200.0	186.289357	50.0	595417.0	0.931447	Y
7	STD500 460-789505/10	500.0	484.211969	50.0	695188.0	0.968424	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

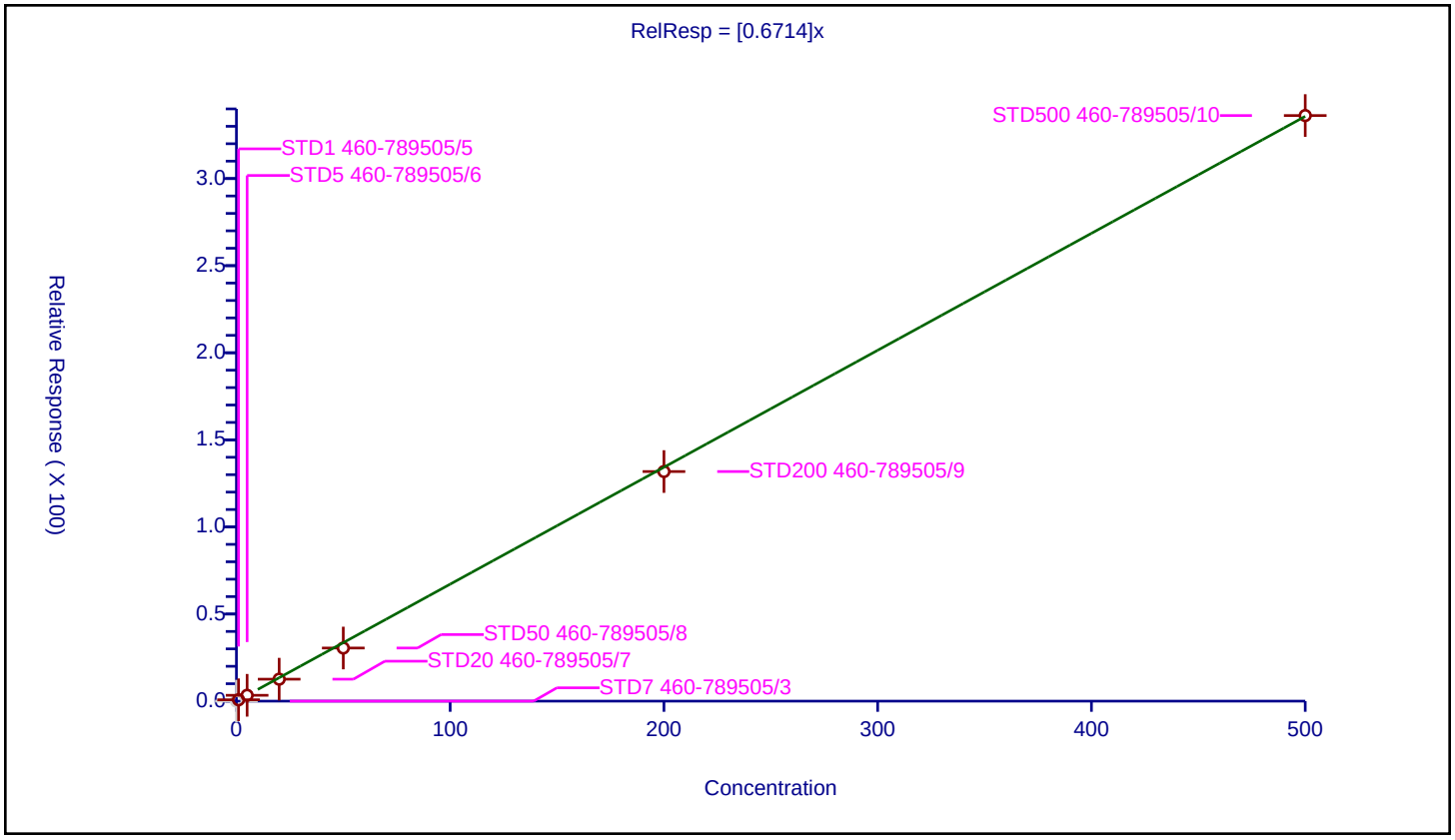
Curve Coefficients

Intercept:	0
Slope:	0.6714

Error Coefficients

Standard Error:	2210000
Relative Standard Error:	9.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.784665	50.0	490910.0	0.784665	Y
3	STD5 460-789505/6	5.0	3.359182	50.0	501506.0	0.671836	Y
4	STD20 460-789505/7	20.0	12.613012	50.0	483136.0	0.630651	Y
5	STD50 460-789505/8	50.0	30.497155	50.0	532771.0	0.609943	Y
6	STD200 460-789505/9	200.0	131.816021	50.0	595417.0	0.65908	Y
7	STD500 460-789505/10	500.0	336.184457	50.0	695188.0	0.672369	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

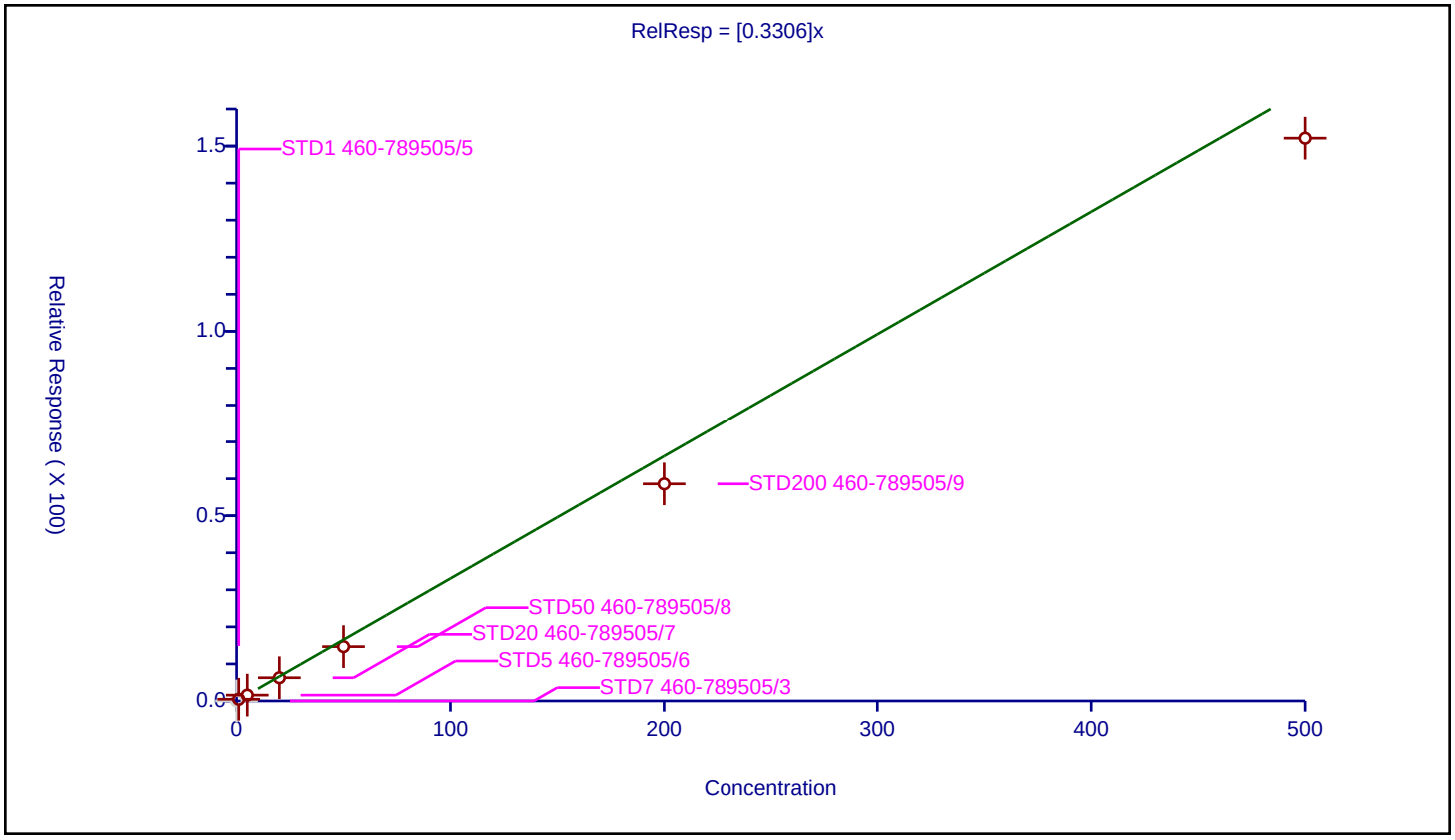
Curve Coefficients

Intercept:	0
Slope:	0.3306

Error Coefficients

Standard Error:	999000
Relative Standard Error:	20.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.943

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.464545	50.0	490910.0	0.464545	Y
3	STD5 460-789505/6	5.0	1.575754	50.0	501506.0	0.315151	Y
4	STD20 460-789505/7	20.0	6.268318	50.0	483136.0	0.313416	Y
5	STD50 460-789505/8	50.0	14.66784	50.0	532771.0	0.293357	Y
6	STD200 460-789505/9	200.0	58.61833	50.0	595417.0	0.293092	Y
7	STD500 460-789505/10	500.0	152.135322	50.0	695188.0	0.304271	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

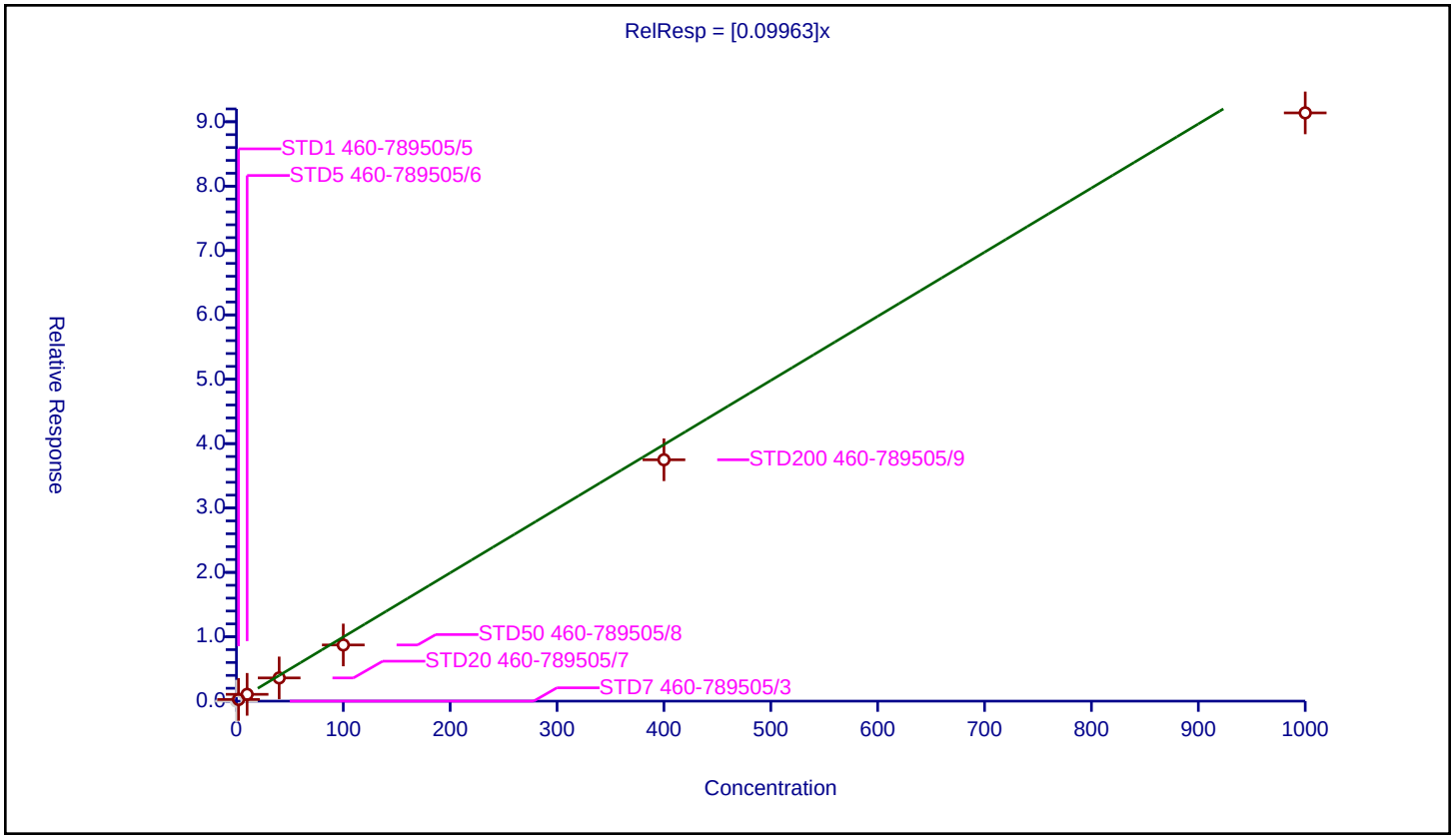
Curve Coefficients

Intercept:	0
Slope:	0.09963

Error Coefficients

Standard Error:	604000
Relative Standard Error:	16.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	2.0	0.259111	50.0	490910.0	0.129555	Y
3	STD5 460-789505/6	10.0	1.056717	50.0	501506.0	0.105672	Y
4	STD20 460-789505/7	40.0	3.606852	50.0	483136.0	0.090171	Y
5	STD50 460-789505/8	100.0	8.725794	50.0	532771.0	0.087258	Y
6	STD200 460-789505/9	400.0	37.496326	50.0	595417.0	0.093741	Y
7	STD500 460-789505/10	1000.0	91.379526	50.0	695188.0	0.09138	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

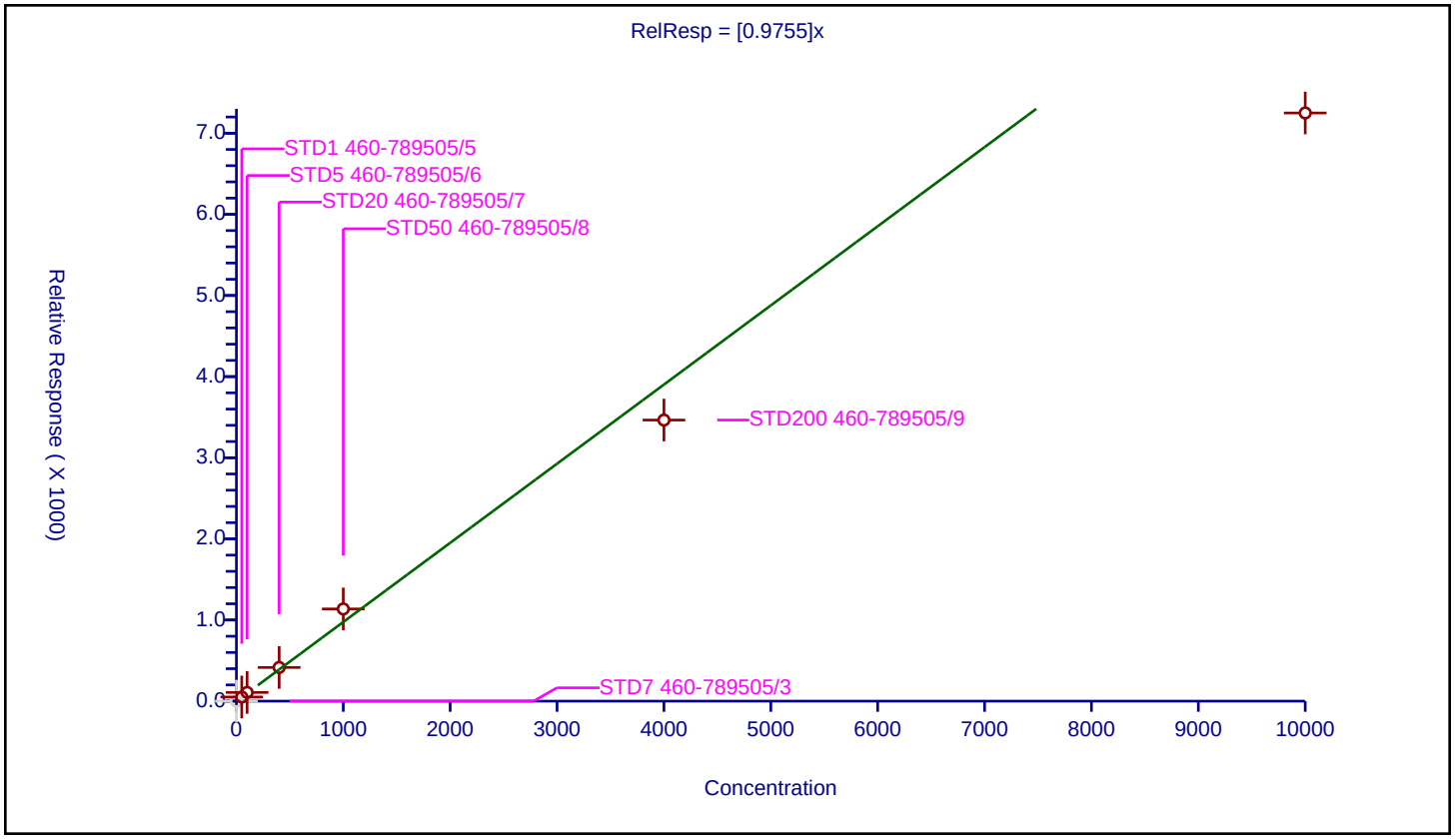
Curve Coefficients

Intercept:	0
Slope:	0.9755

Error Coefficients

Standard Error:	195000
Relative Standard Error:	15.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	1000.0	26848.0	NaN	N
2	STD1 460-789505/5	50.000062	50.852825	1000.0	22103.0	1.017055	Y
3	STD5 460-789505/6	100.0	107.034285	1000.0	23684.0	1.070343	Y
4	STD20 460-789505/7	400.0	415.197931	1000.0	25135.0	1.037995	Y
5	STD50 460-789505/8	1000.0	1136.486486	1000.0	28120.0	1.136486	Y
6	STD200 460-789505/9	4000.0	3464.594981	1000.0	38455.0	0.866149	Y
7	STD500 460-789505/10	10000.0	7249.591197	1000.0	58708.0	0.724959	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

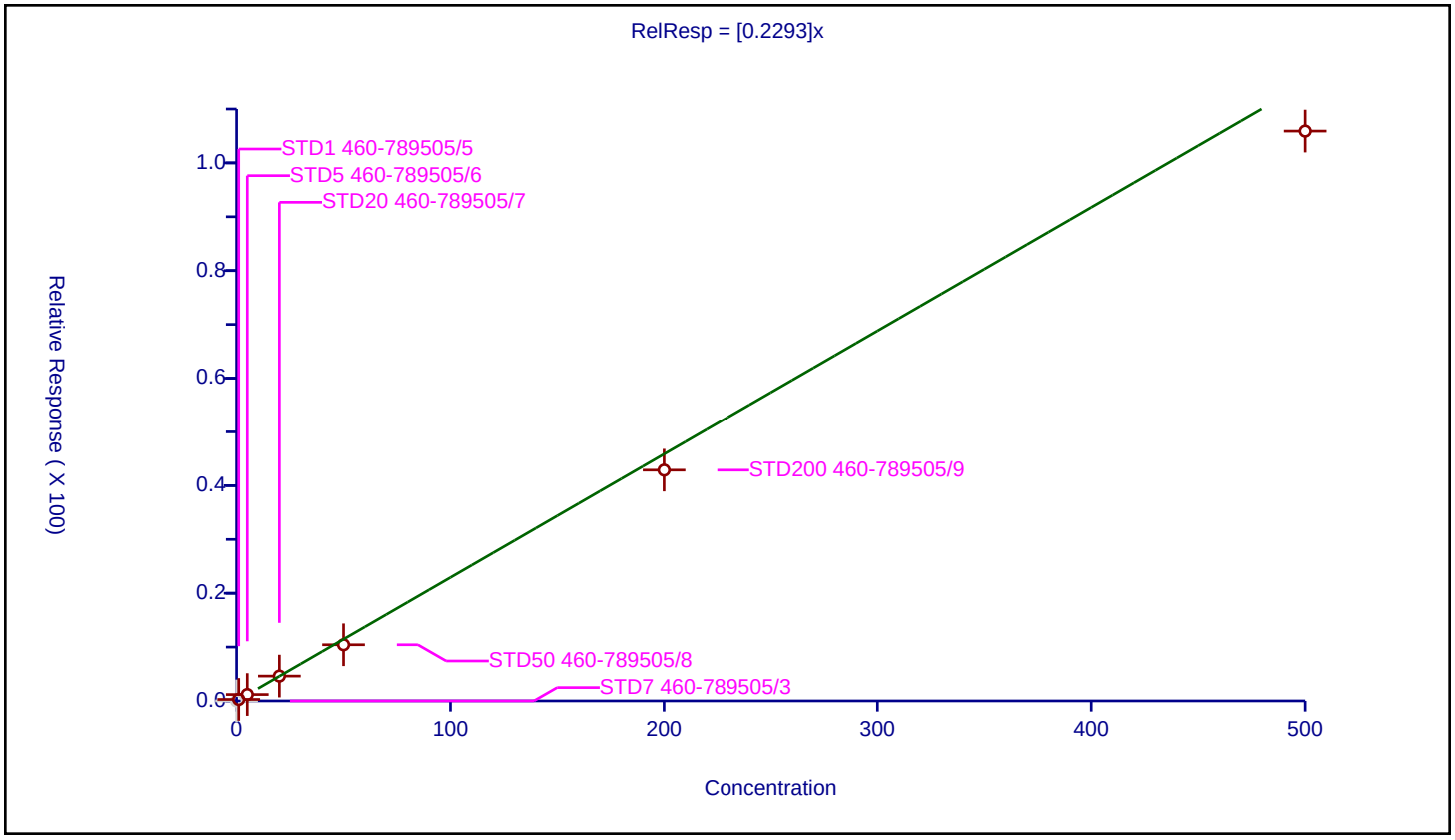
Curve Coefficients

Intercept:	0
Slope:	0.2293

Error Coefficients

Standard Error:	699000
Relative Standard Error:	10.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.273268	50.0	490910.0	0.273268	Y
3	STD5 460-789505/6	5.0	1.185828	50.0	501506.0	0.237166	Y
4	STD20 460-789505/7	20.0	4.615264	50.0	483136.0	0.230763	Y
5	STD50 460-789505/8	50.0	10.429622	50.0	532771.0	0.208592	Y
6	STD200 460-789505/9	200.0	42.884231	50.0	595417.0	0.214421	Y
7	STD500 460-789505/10	500.0	105.908114	50.0	695188.0	0.211816	Y



Calibration / n-Propyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

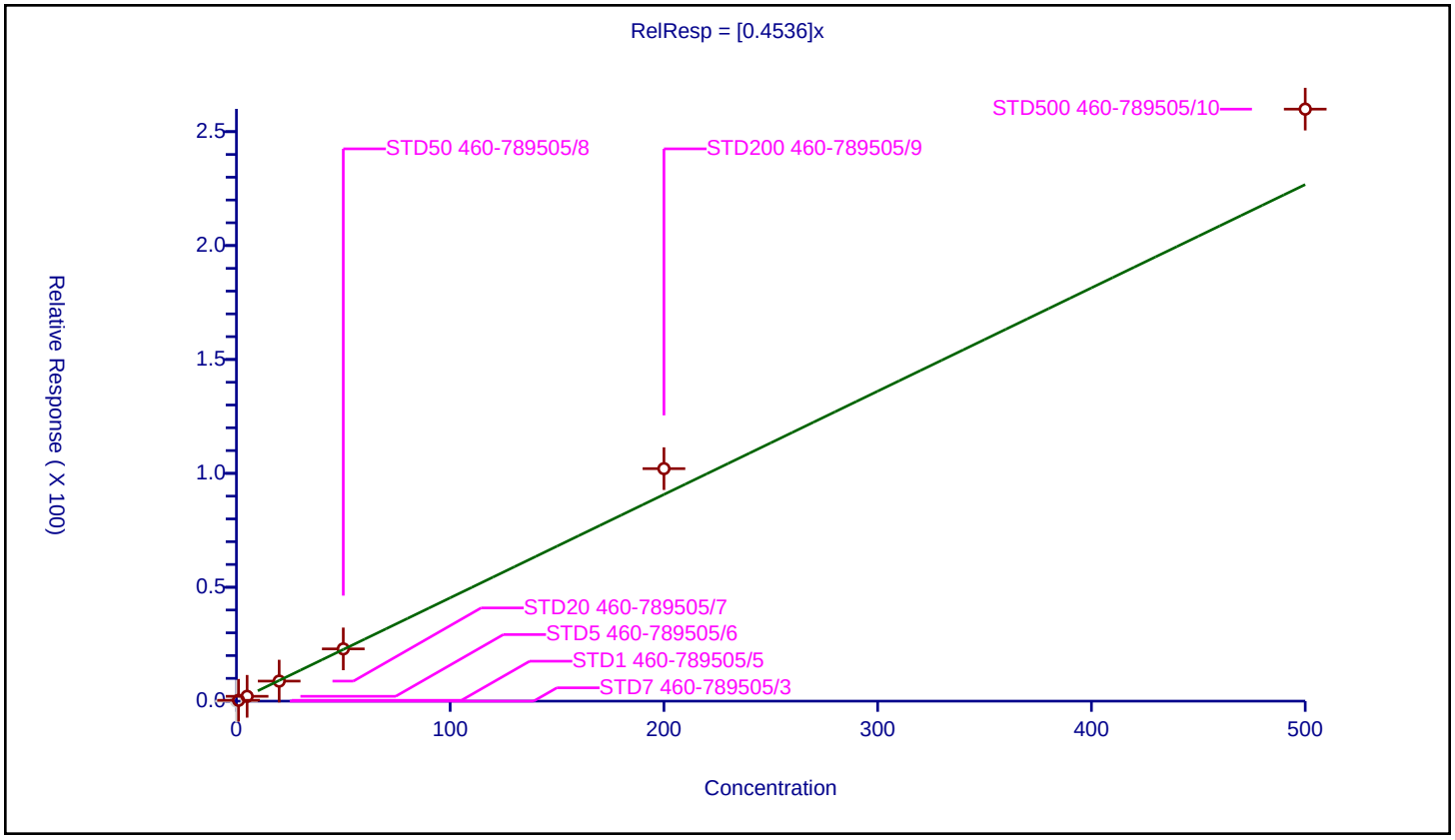
Curve Coefficients

Intercept:	0
Slope:	0.4536

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	12.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.367073	50.0	490910.0	0.367073	Y
3	STD5 460-789505/6	5.0	2.127193	50.0	501506.0	0.425439	Y
4	STD20 460-789505/7	20.0	8.800214	50.0	483136.0	0.440011	Y
5	STD50 460-789505/8	50.0	22.935933	50.0	532771.0	0.458719	Y
6	STD200 460-789505/9	200.0	102.067123	50.0	595417.0	0.510336	Y
7	STD500 460-789505/10	500.0	259.892	50.0	695188.0	0.519784	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

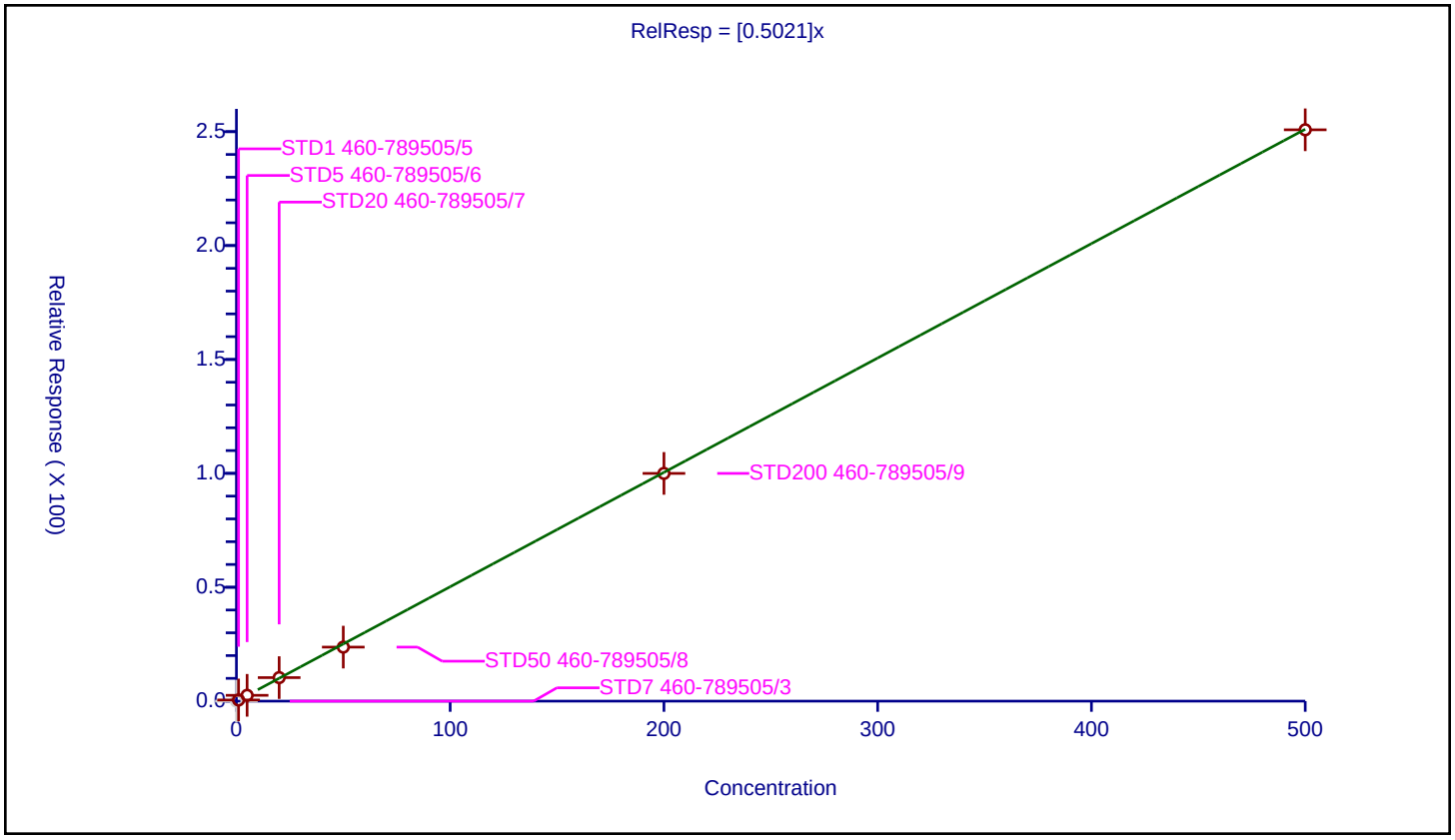
Curve Coefficients

Intercept:	0
Slope:	0.5021

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	3.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0	0.509462	50.0	490910.0	0.509462	Y
3	STD5 460-789505/6	5.0	2.555004	50.0	501506.0	0.511001	Y
4	STD20 460-789505/7	20.0	10.329079	50.0	483136.0	0.516454	Y
5	STD50 460-789505/8	50.0	23.721918	50.0	532771.0	0.474438	Y
6	STD200 460-789505/9	200.0	99.97338	50.0	595417.0	0.499867	Y
7	STD500 460-789505/10	500.0	250.82395	50.0	695188.0	0.501648	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

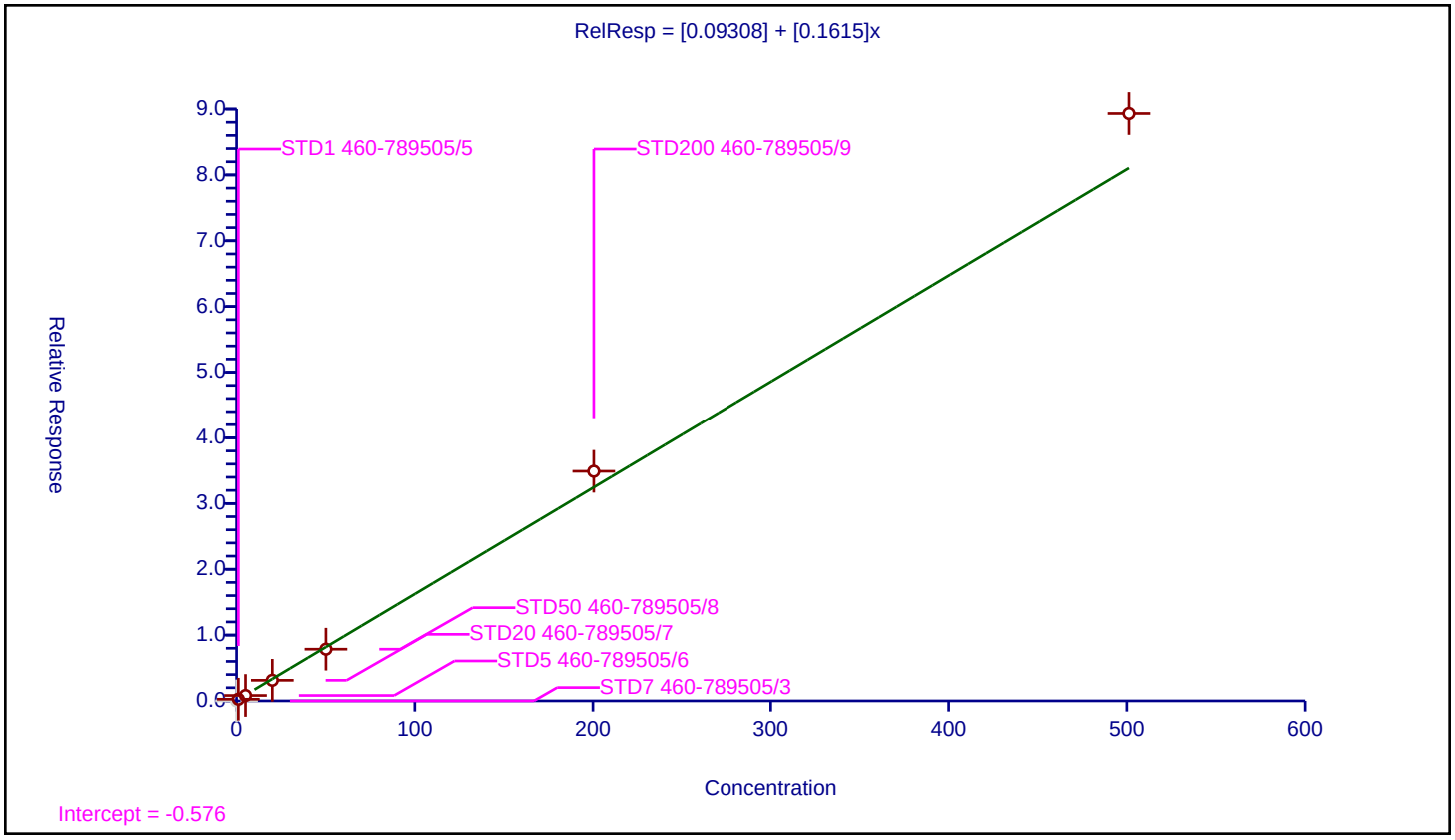
Curve Coefficients

Intercept:	0.09308
Slope:	0.1615

Error Coefficients

Standard Error:	656000
Relative Standard Error:	8.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	1.0024	0.258703	50.0	490910.0	0.258084	Y
3	STD5 460-789505/6	5.012	0.82352	50.0	501506.0	0.16431	Y
4	STD20 460-789505/7	20.048	3.131623	50.0	483136.0	0.156206	Y
5	STD50 460-789505/8	50.12	7.85863	50.0	532771.0	0.156796	Y
6	STD200 460-789505/9	200.48	34.911163	50.0	595417.0	0.174138	Y
7	STD500 460-789505/10	501.2	89.324686	50.0	695188.0	0.178222	Y



Calibration / 2-Nitropropane

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

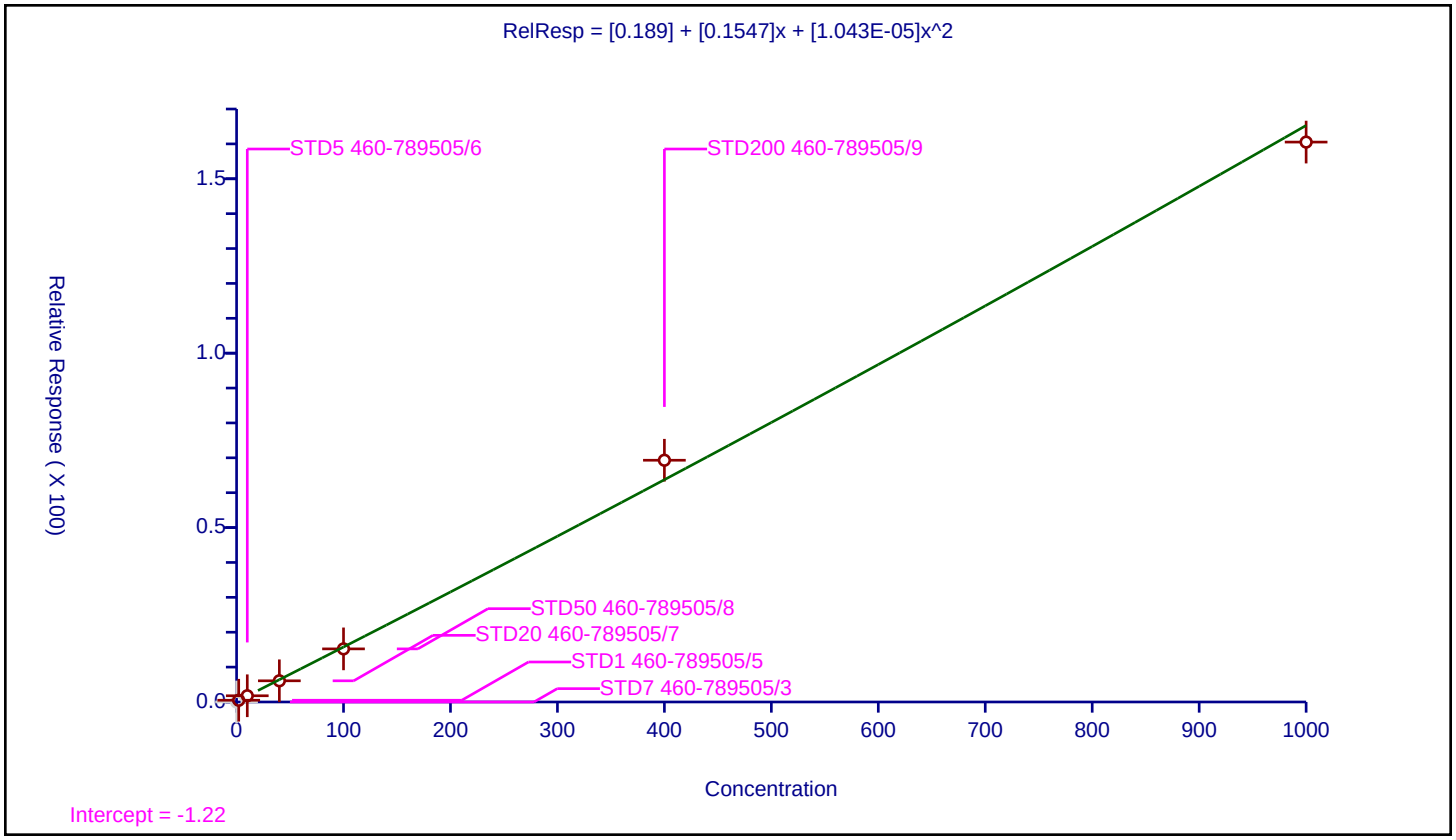
Curve Coefficients

Intercept:	0.189
Slope:	0.1547
Second Order:	1.043E-05

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	478218.0	NaN	N
2	STD1 460-789505/5	2.0	0.497444	50.0	490910.0	0.248722	Y
3	STD5 460-789505/6	10.0	1.781833	50.0	501506.0	0.178183	Y
4	STD20 460-789505/7	40.0	6.077378	50.0	483136.0	0.151934	Y
5	STD50 460-789505/8	100.0	15.225585	50.0	532771.0	0.152256	Y
6	STD200 460-789505/9	400.0	69.303866	50.0	595417.0	0.17326	Y
7	STD500 460-789505/10	1000.0	160.517659	50.0	695188.0	0.160518	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

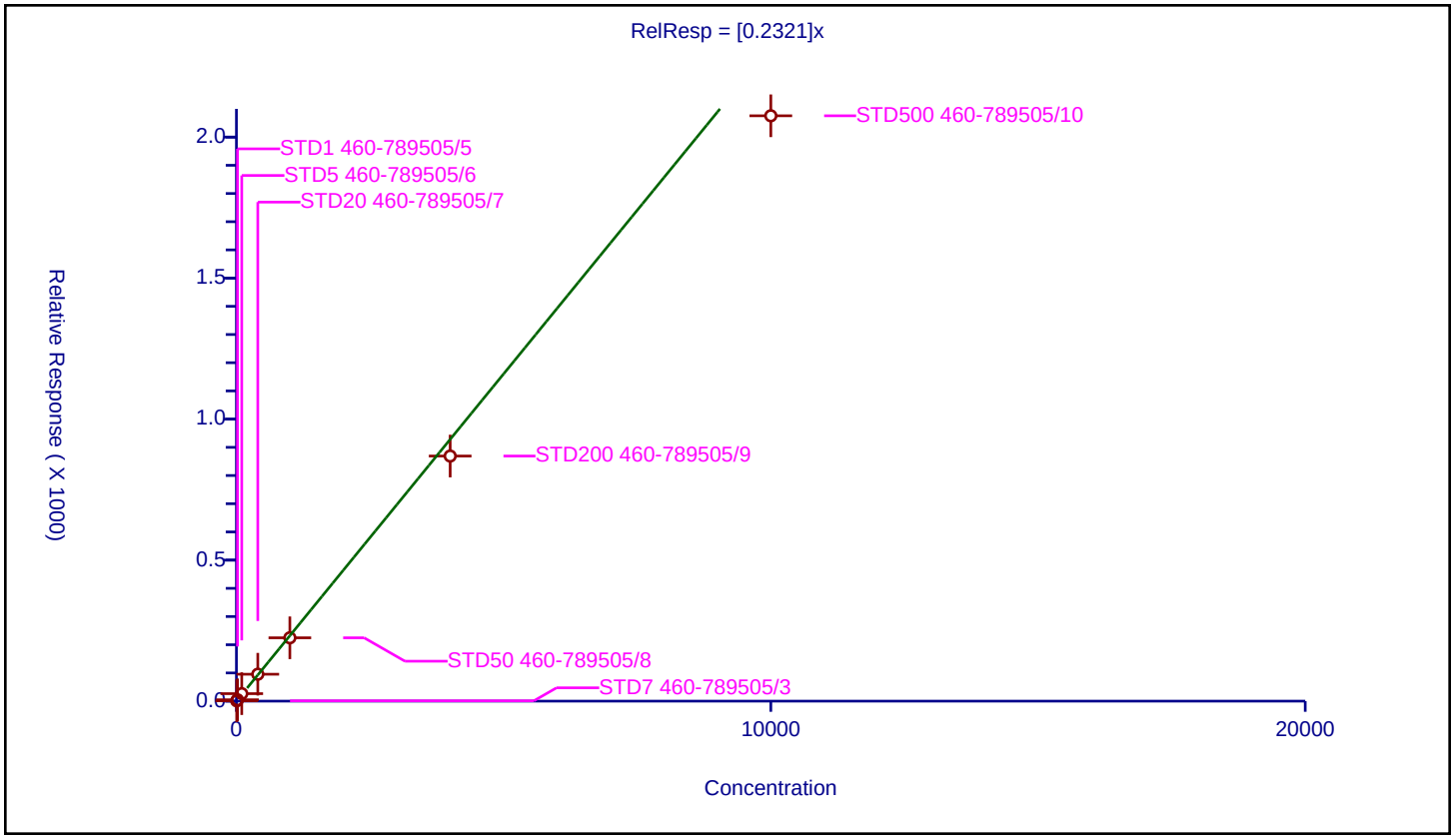
Curve Coefficients

Intercept:	0
Slope:	0.2321

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	8.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	5.000009	1.145544	250.0	267995.0	0.229108	Y
2	STD1 460-789505/5	20.000035	4.834055	250.0	291784.0	0.241702	Y
3	STD5 460-789505/6	100.000173	26.578478	250.0	295427.0	0.265784	Y
4	STD20 460-789505/7	400.000692	95.413463	250.0	280702.0	0.238533	Y
5	STD50 460-789505/8	1000.00173	224.603253	250.0	323821.0	0.224603	Y
6	STD200 460-789505/9	4000.00692	869.053714	250.0	416058.0	0.217263	Y
7	STD500 460-789505/10	10000.0173	2075.49291	250.0	536812.0	0.207549	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

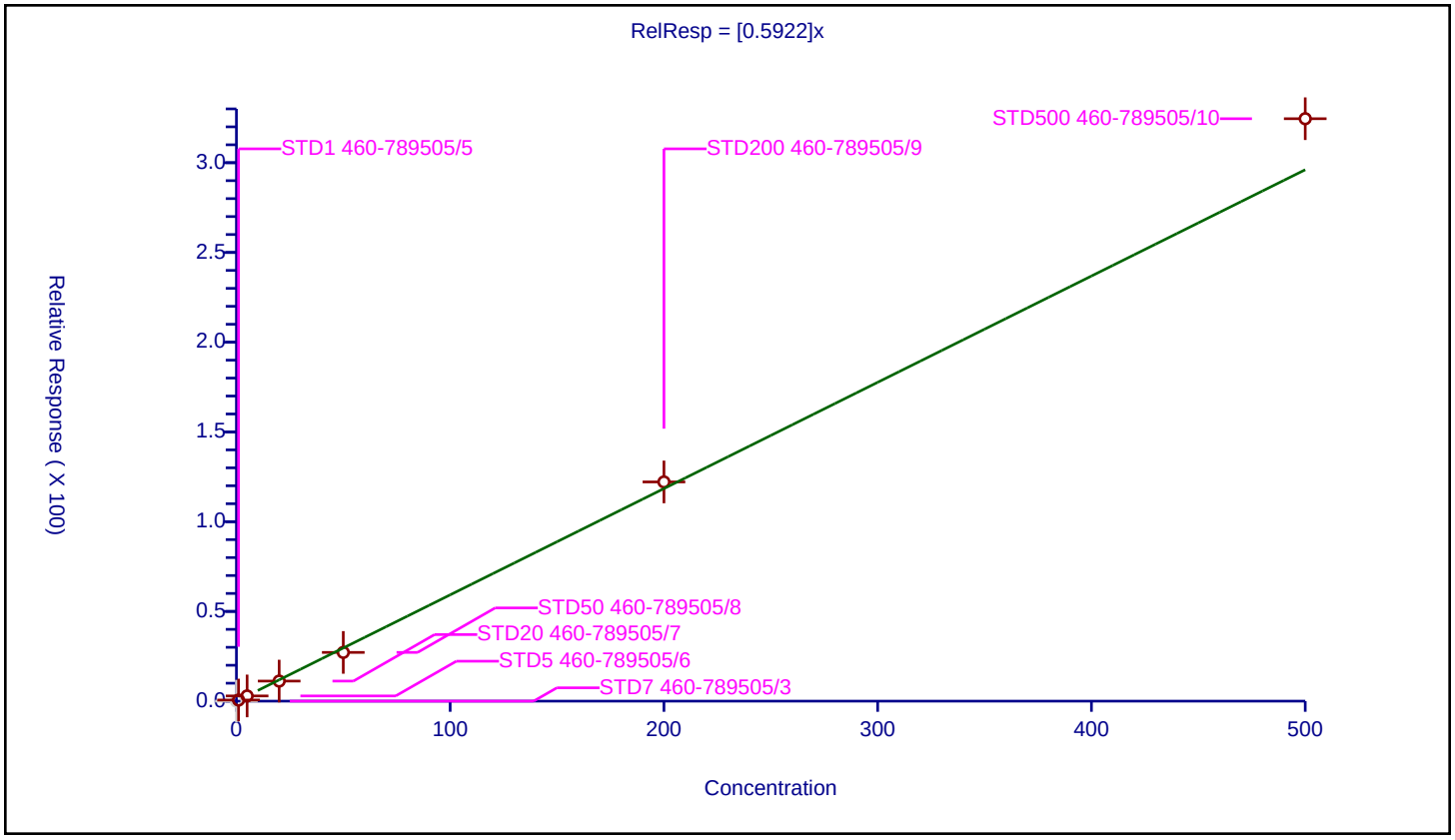
Curve Coefficients

Intercept:	0
Slope:	0.5922

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	6.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.612363	50.0	386127.0	0.612363	Y
3	STD5 460-789505/6	5.0	2.89447	50.0	381106.0	0.578894	Y
4	STD20 460-789505/7	20.0	11.177411	50.0	386543.0	0.558871	Y
5	STD50 460-789505/8	50.0	27.156262	50.0	414363.0	0.543125	Y
6	STD200 460-789505/9	200.0	122.145669	50.0	487899.0	0.610728	Y
7	STD500 460-789505/10	500.0	324.530604	50.0	597843.0	0.649061	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

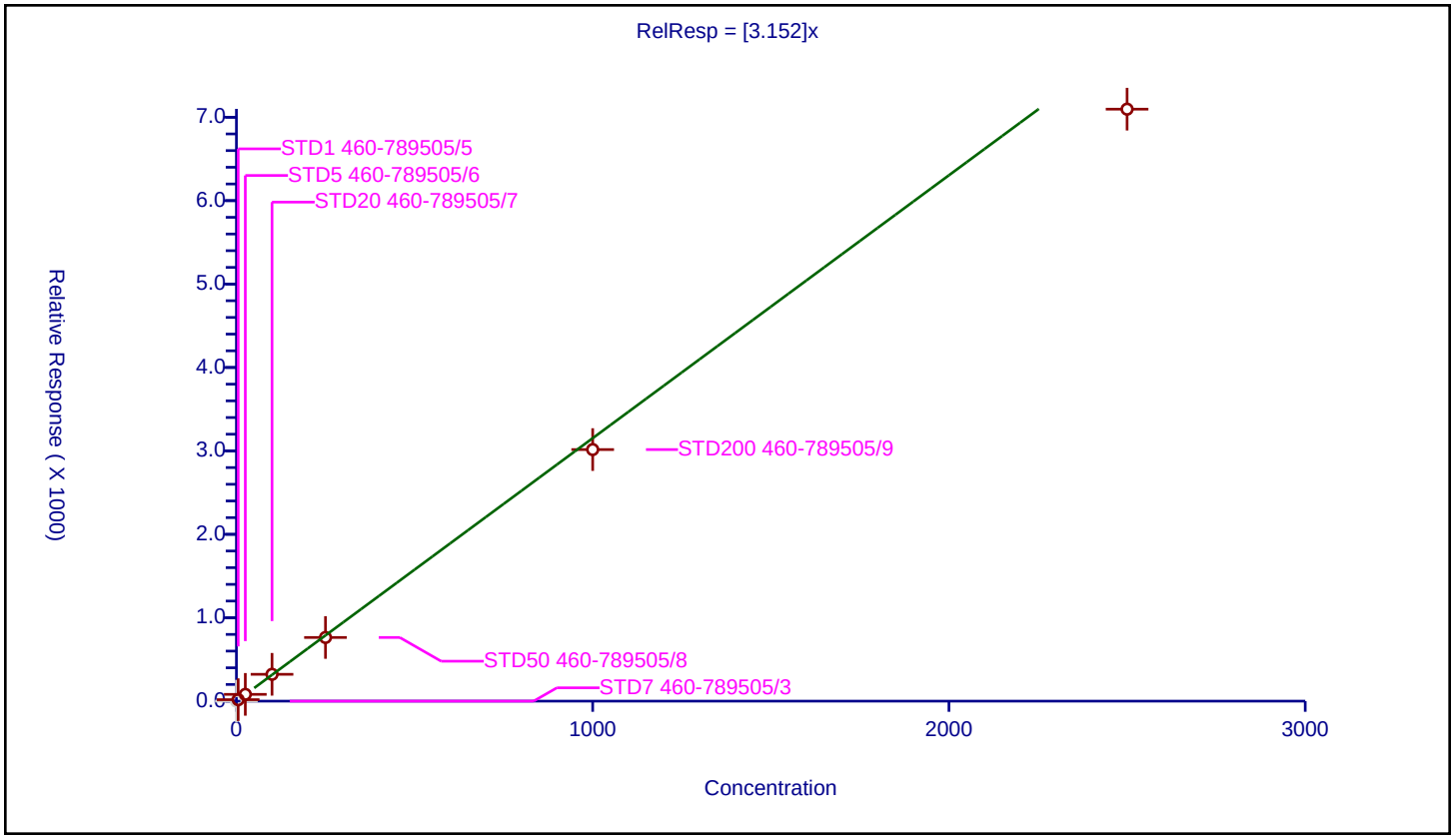
Curve Coefficients

Intercept:	0
Slope:	3.152

Error Coefficients

Standard Error:	7190000
Relative Standard Error:	7.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	250.0	267995.0	NaN	N
2	STD1 460-789505/5	5.0	17.681744	250.0	291784.0	3.536349	Y
3	STD5 460-789505/6	25.0	81.27727	250.0	295427.0	3.251091	Y
4	STD20 460-789505/7	100.0	321.819047	250.0	280702.0	3.21819	Y
5	STD50 460-789505/8	250.0	763.241112	250.0	323821.0	3.052964	Y
6	STD200 460-789505/9	1000.0	3015.947296	250.0	416058.0	3.015947	Y
7	STD500 460-789505/10	2500.0	7096.755475	250.0	536812.0	2.838702	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

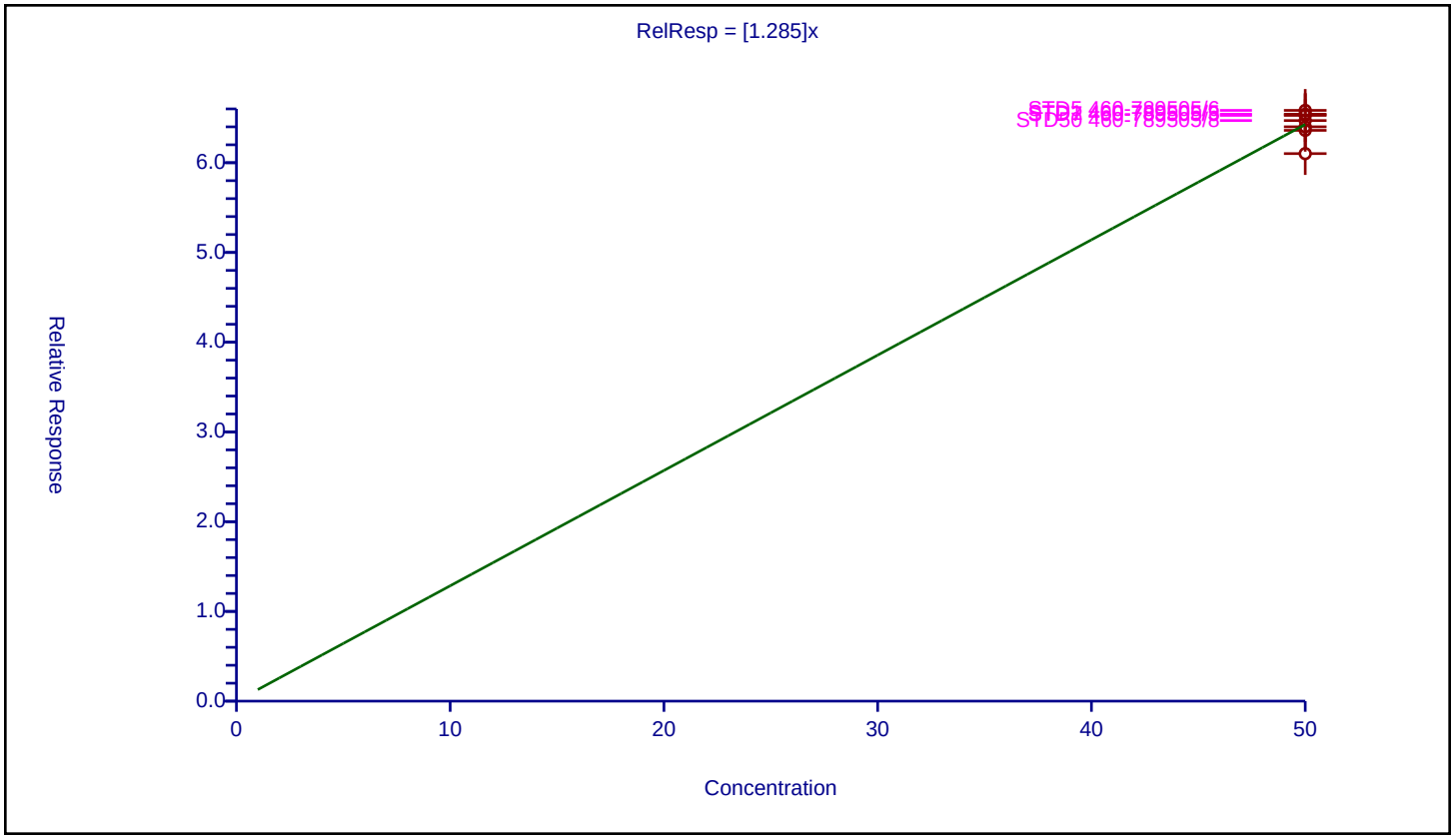
Curve Coefficients

Intercept:	0
Slope:	1.285

Error Coefficients

Standard Error:	605000
Relative Standard Error:	2.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	50.0	65.276032	50.0	373055.0	1.305521	Y
2	STD1 460-789505/5	50.0	65.411251	50.0	386127.0	1.308225	Y
3	STD5 460-789505/6	50.0	65.833128	50.0	381106.0	1.316663	Y
4	STD20 460-789505/7	50.0	63.606507	50.0	386543.0	1.27213	Y
5	STD50 460-789505/8	50.0	64.700516	50.0	414363.0	1.29401	Y
6	STD200 460-789505/9	50.0	64.00505	50.0	487899.0	1.280101	Y
7	STD500 460-789505/10	50.0	61.017525	50.0	597843.0	1.22035	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

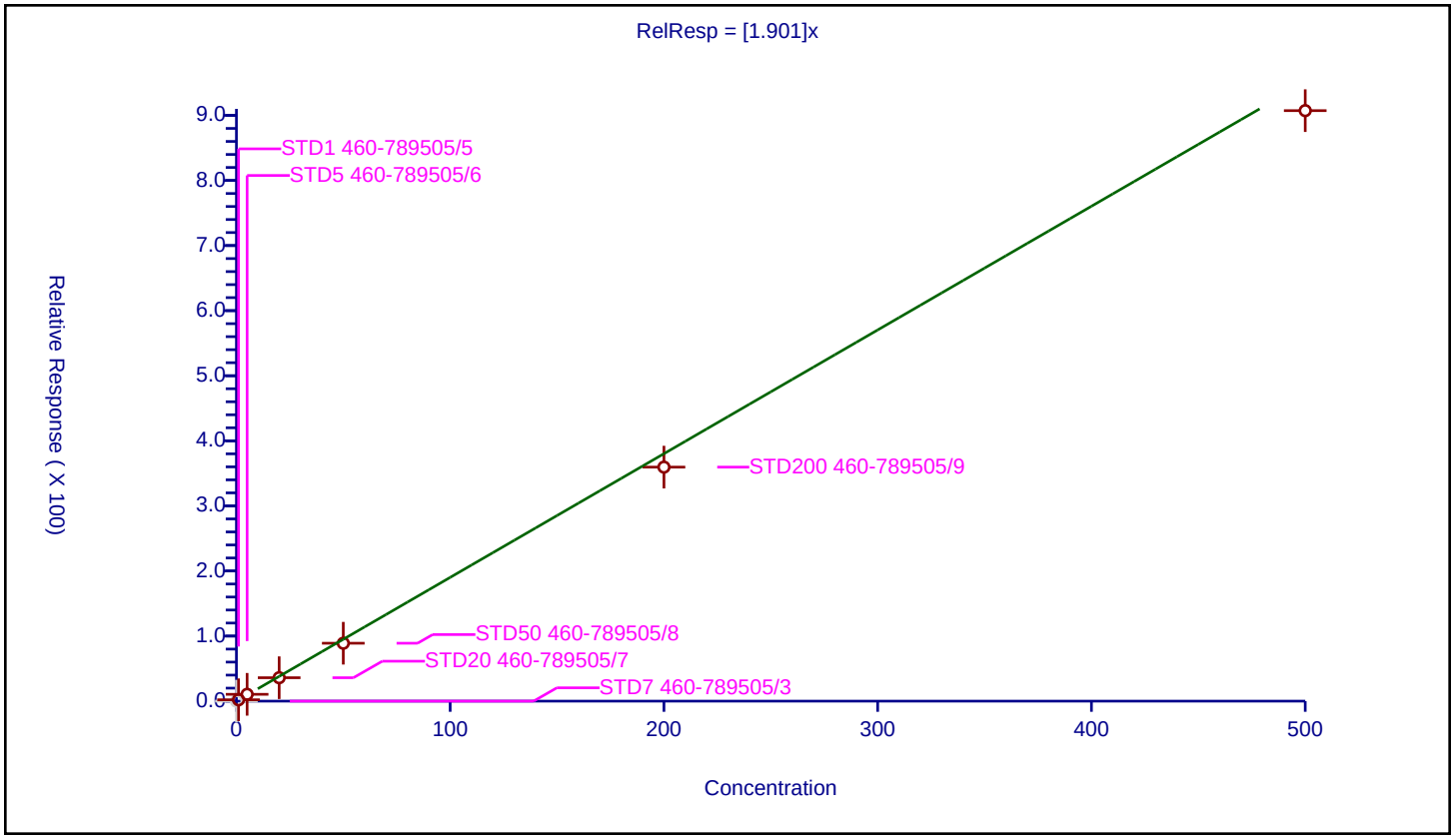
Curve Coefficients

Intercept:	0
Slope:	1.901

Error Coefficients

Standard Error:	5110000
Relative Standard Error:	8.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	2.115237	50.0	386127.0	2.115237	Y
3	STD5 460-789505/6	5.0	10.502721	50.0	381106.0	2.100544	Y
4	STD20 460-789505/7	20.0	35.973747	50.0	386543.0	1.798687	Y
5	STD50 460-789505/8	50.0	88.9814	50.0	414363.0	1.779628	Y
6	STD200 460-789505/9	200.0	359.567246	50.0	487899.0	1.797836	Y
7	STD500 460-789505/10	500.0	907.314462	50.0	597843.0	1.814629	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

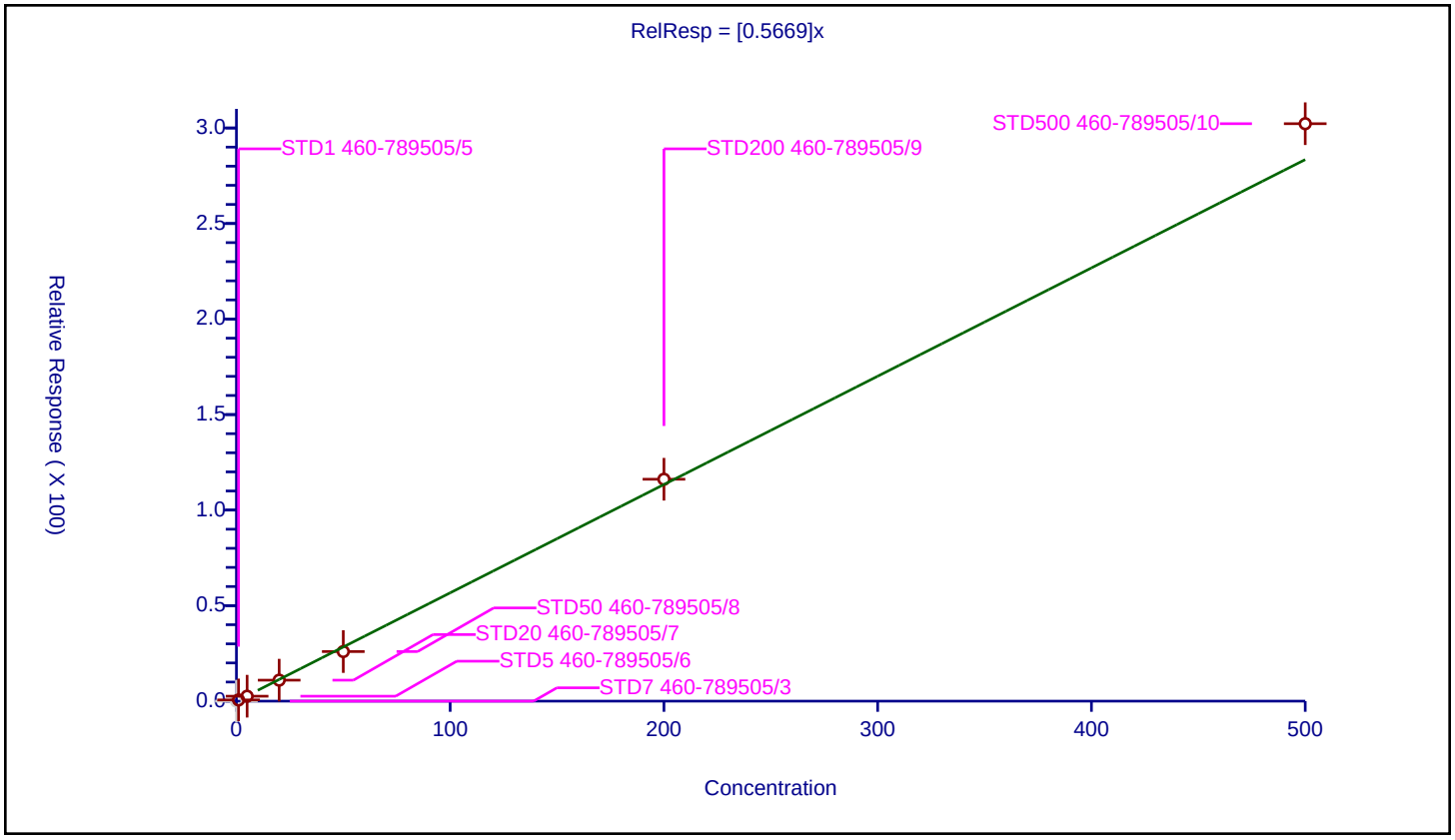
Curve Coefficients

Intercept:	0
Slope:	0.5669

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	8.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.631528	50.0	386127.0	0.631528	Y
3	STD5 460-789505/6	5.0	2.584583	50.0	381106.0	0.516917	Y
4	STD20 460-789505/7	20.0	10.979503	50.0	386543.0	0.548975	Y
5	STD50 460-789505/8	50.0	25.945005	50.0	414363.0	0.5189	Y
6	STD200 460-789505/9	200.0	116.144632	50.0	487899.0	0.580723	Y
7	STD500 460-789505/10	500.0	302.254856	50.0	597843.0	0.60451	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

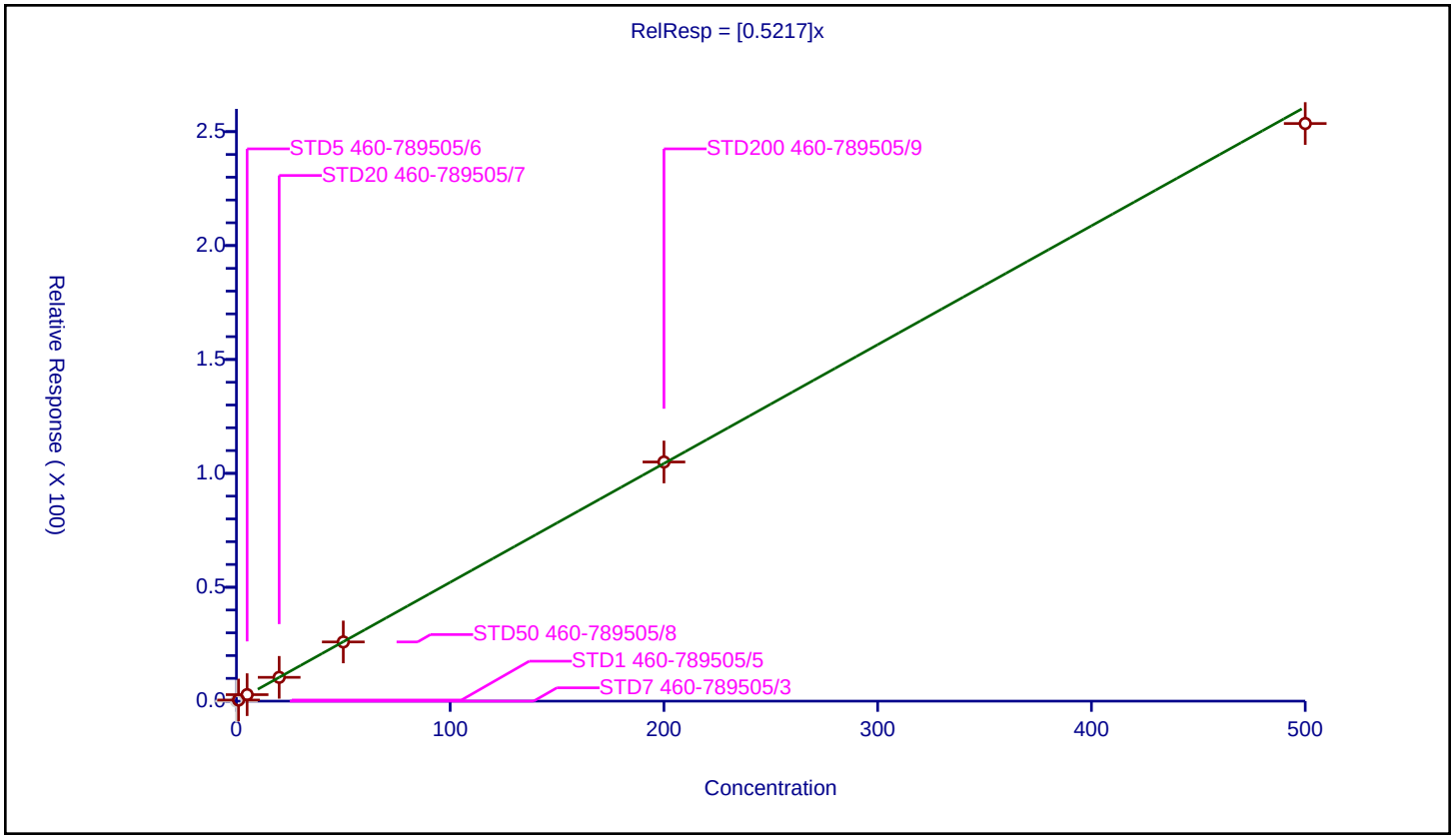
Curve Coefficients

Intercept:	0
Slope:	0.5217

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	5.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.487275	50.0	386127.0	0.487275	Y
3	STD5 460-789505/6	5.0	2.842647	50.0	381106.0	0.568529	Y
4	STD20 460-789505/7	20.0	10.44735	50.0	386543.0	0.522367	Y
5	STD50 460-789505/8	50.0	25.987962	50.0	414363.0	0.519759	Y
6	STD200 460-789505/9	200.0	104.993452	50.0	487899.0	0.524967	Y
7	STD500 460-789505/10	500.0	253.585557	50.0	597843.0	0.507171	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

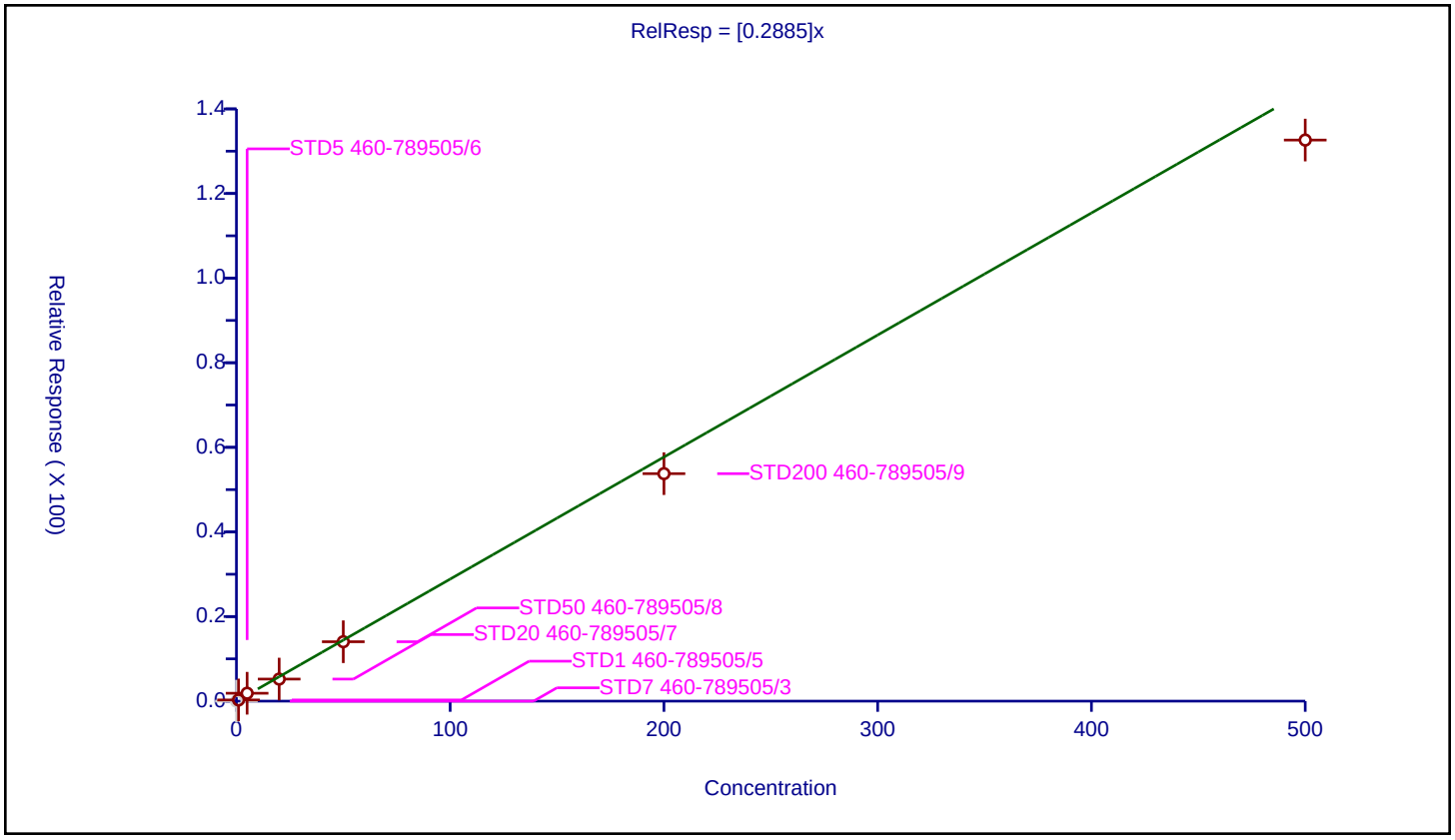
Curve Coefficients

Intercept:	0
Slope:	0.2885

Error Coefficients

Standard Error:	749000
Relative Standard Error:	14.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.281125	50.0	386127.0	0.281125	Y
3	STD5 460-789505/6	5.0	1.869034	50.0	381106.0	0.373807	Y
4	STD20 460-789505/7	20.0	5.218695	50.0	386543.0	0.260935	Y
5	STD50 460-789505/8	50.0	14.043966	50.0	414363.0	0.280879	Y
6	STD200 460-789505/9	200.0	53.774962	50.0	487899.0	0.268875	Y
7	STD500 460-789505/10	500.0	132.631979	50.0	597843.0	0.265264	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

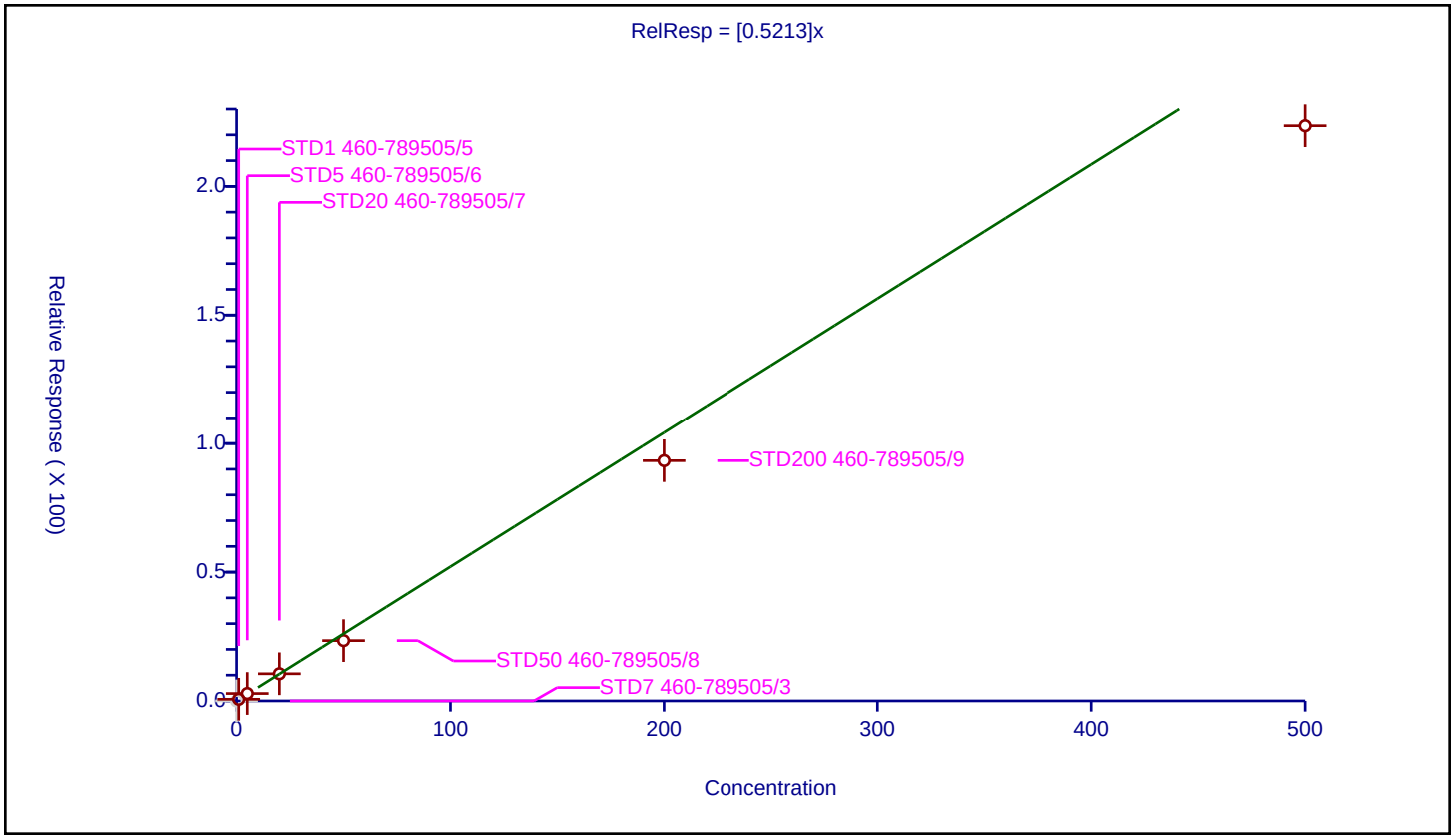
Curve Coefficients

Intercept:	0
Slope:	0.5213

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	14.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.644995	50.0	386127.0	0.644995	Y
3	STD5 460-789505/6	5.0	2.87256	50.0	381106.0	0.574512	Y
4	STD20 460-789505/7	20.0	10.531299	50.0	386543.0	0.526565	Y
5	STD50 460-789505/8	50.0	23.405806	50.0	414363.0	0.468116	Y
6	STD200 460-789505/9	200.0	93.348213	50.0	487899.0	0.466741	Y
7	STD500 460-789505/10	500.0	223.53904	50.0	597843.0	0.447078	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

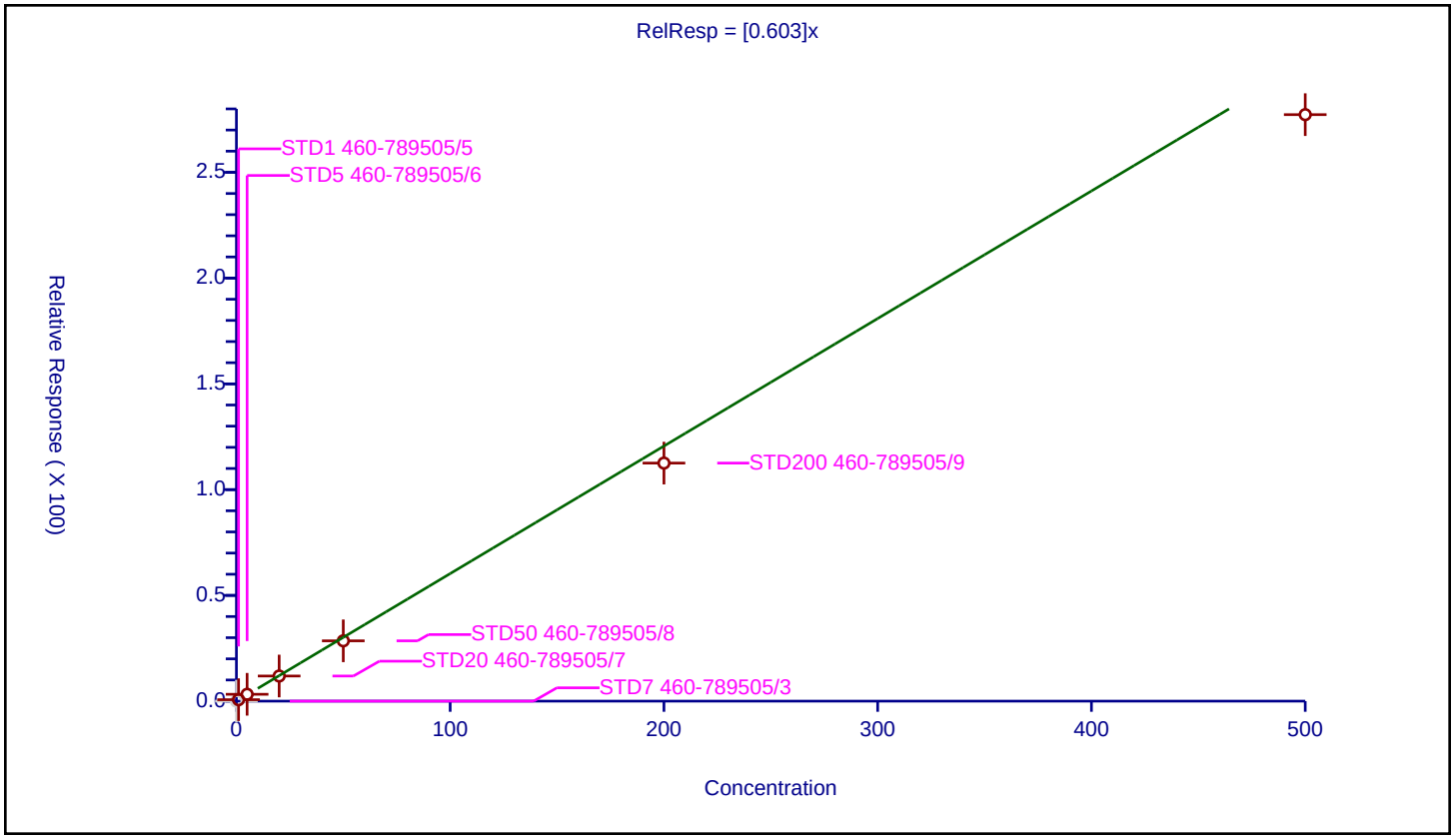
Curve Coefficients

Intercept:	0
Slope:	0.603

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	8.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.686821	50.0	386127.0	0.686821	Y
3	STD5 460-789505/6	5.0	3.248178	50.0	381106.0	0.649636	Y
4	STD20 460-789505/7	20.0	11.876557	50.0	386543.0	0.593828	Y
5	STD50 460-789505/8	50.0	28.515215	50.0	414363.0	0.570304	Y
6	STD200 460-789505/9	200.0	112.539685	50.0	487899.0	0.562698	Y
7	STD500 460-789505/10	500.0	277.282748	50.0	597843.0	0.554565	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

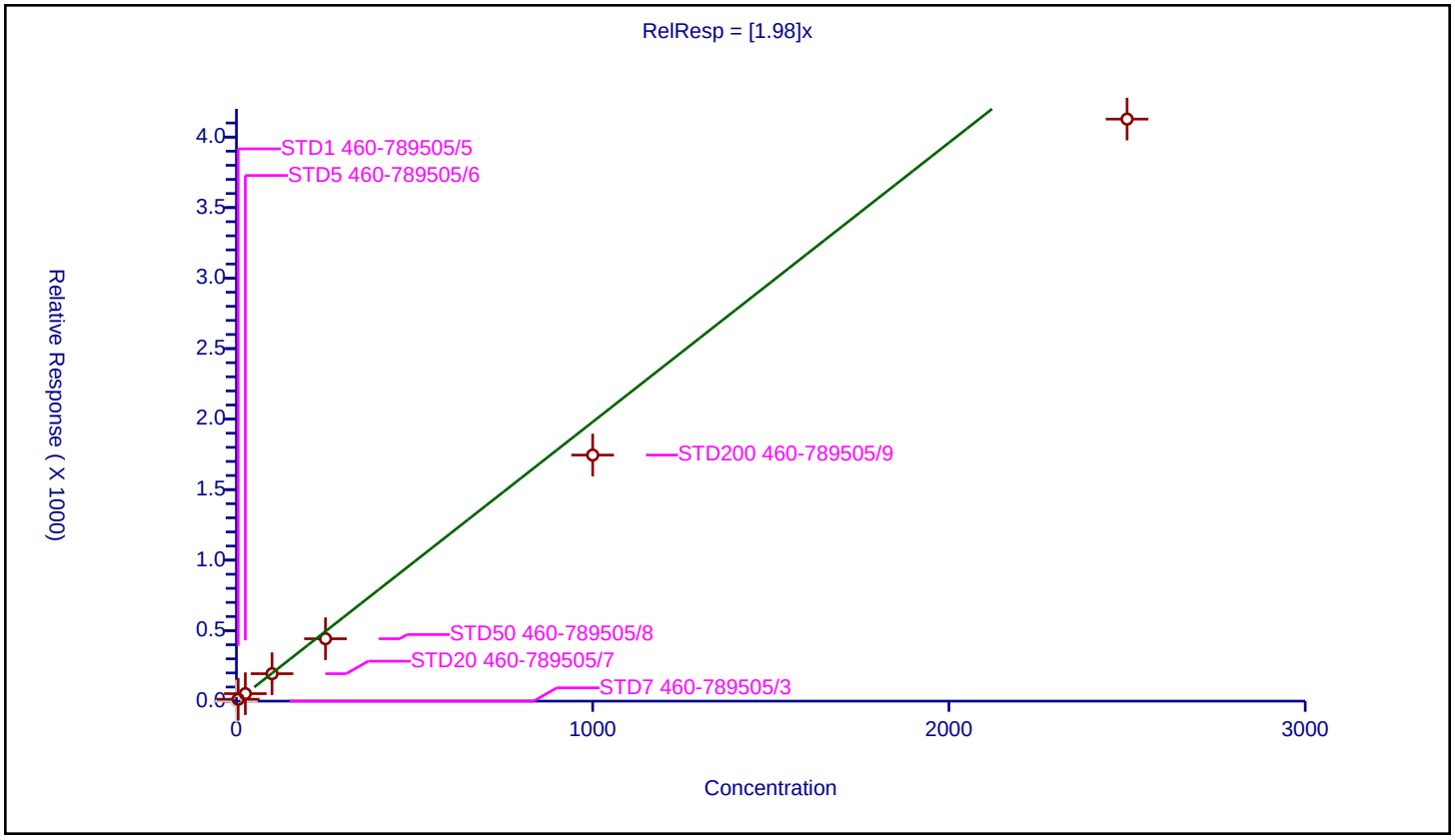
Curve Coefficients

Intercept:	0
Slope:	1.98

Error Coefficients

Standard Error:	4180000
Relative Standard Error:	18.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	250.0	267995.0	NaN	N
2	STD1 460-789505/5	5.0	13.249527	250.0	291784.0	2.649905	Y
3	STD5 460-789505/6	25.0	52.948783	250.0	295427.0	2.117951	Y
4	STD20 460-789505/7	100.0	194.658392	250.0	280702.0	1.946584	Y
5	STD50 460-789505/8	250.0	442.403365	250.0	323821.0	1.769613	Y
6	STD200 460-789505/9	1000.0	1745.128684	250.0	416058.0	1.745129	Y
7	STD500 460-789505/10	2500.0	4127.609387	250.0	536812.0	1.651044	Y



Calibration / n-Butyl acetate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

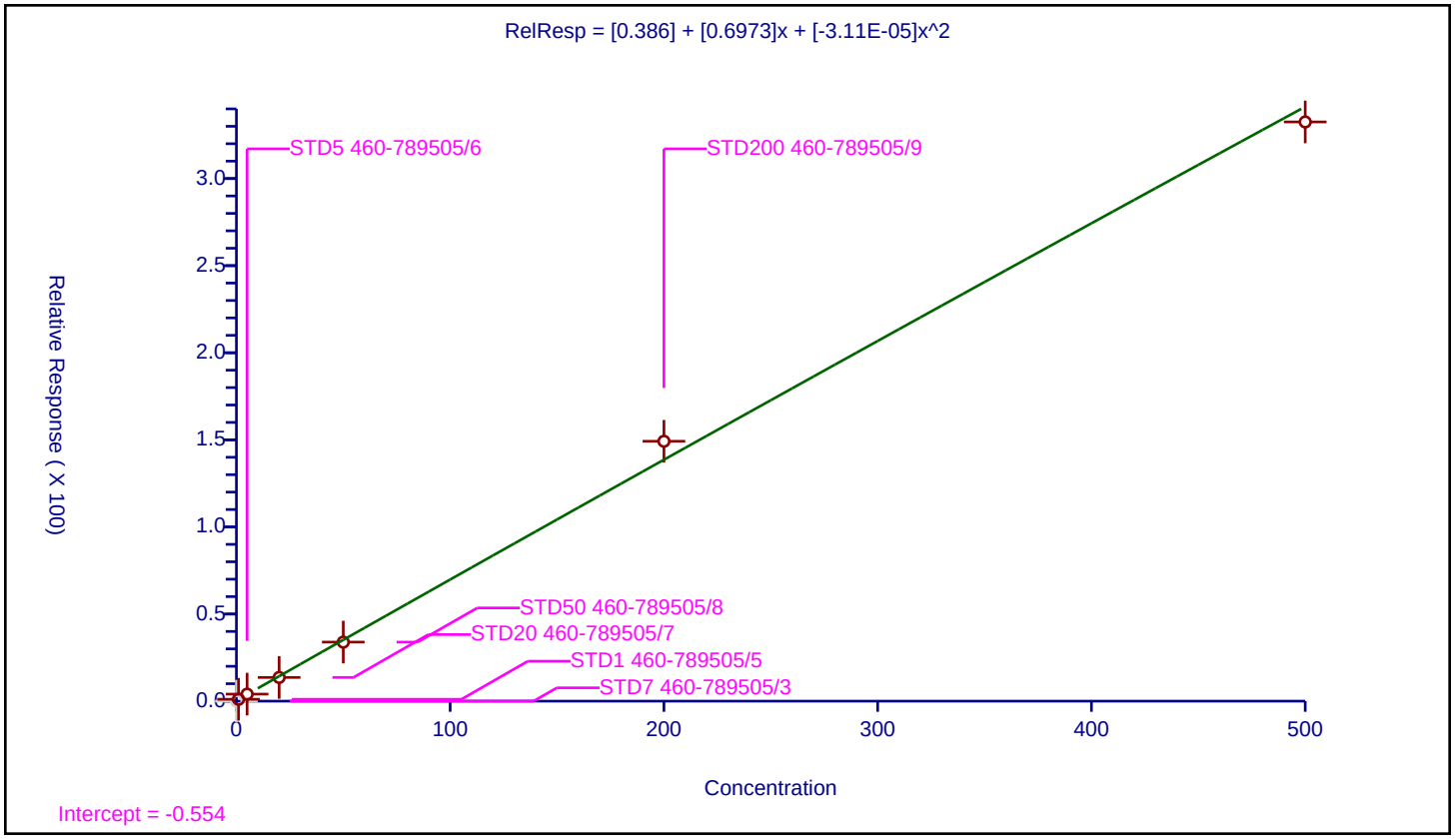
Curve Coefficients

Intercept:	0.386
Slope:	0.6973
Second Order:	-3.11E-05

Error Coefficients

Standard Error:	2450000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	1.079308	50.0	386127.0	1.079308	Y
3	STD5 460-789505/6	5.0	4.021453	50.0	381106.0	0.804291	Y
4	STD20 460-789505/7	20.0	13.601333	50.0	386543.0	0.680067	Y
5	STD50 460-789505/8	50.0	33.88623	50.0	414363.0	0.677725	Y
6	STD200 460-789505/9	200.0	149.192763	50.0	487899.0	0.745964	Y
7	STD500 460-789505/10	500.0	332.500088	50.0	597843.0	0.665	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

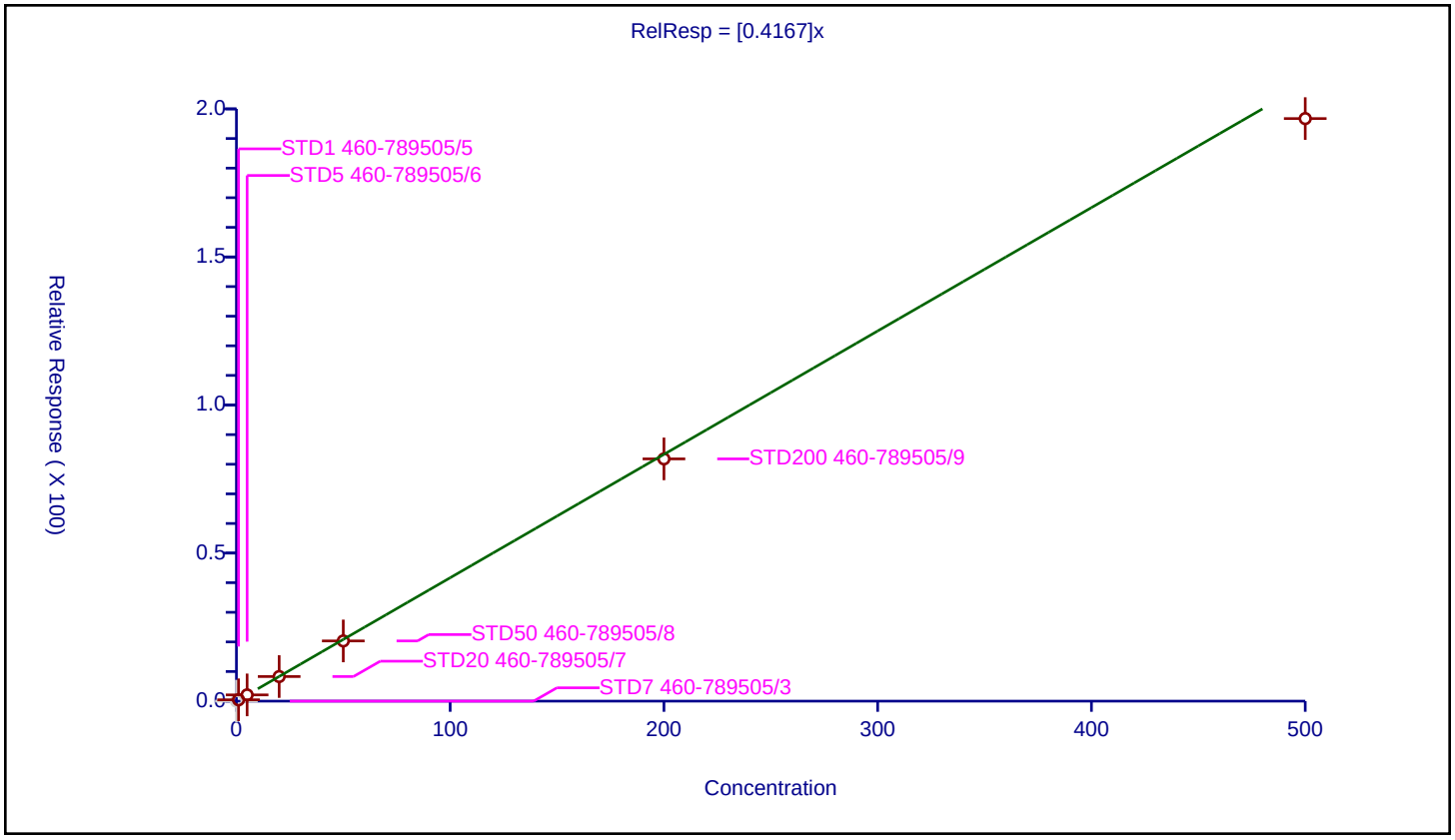
Curve Coefficients

Intercept:	0
Slope:	0.4167

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	4.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.453478	50.0	386127.0	0.453478	Y
3	STD5 460-789505/6	5.0	2.111355	50.0	381106.0	0.422271	Y
4	STD20 460-789505/7	20.0	8.303604	50.0	386543.0	0.41518	Y
5	STD50 460-789505/8	50.0	20.33169	50.0	414363.0	0.406634	Y
6	STD200 460-789505/9	200.0	81.806788	50.0	487899.0	0.409034	Y
7	STD500 460-789505/10	500.0	196.722049	50.0	597843.0	0.393444	Y



Calibration / Ethylene Dibromide

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

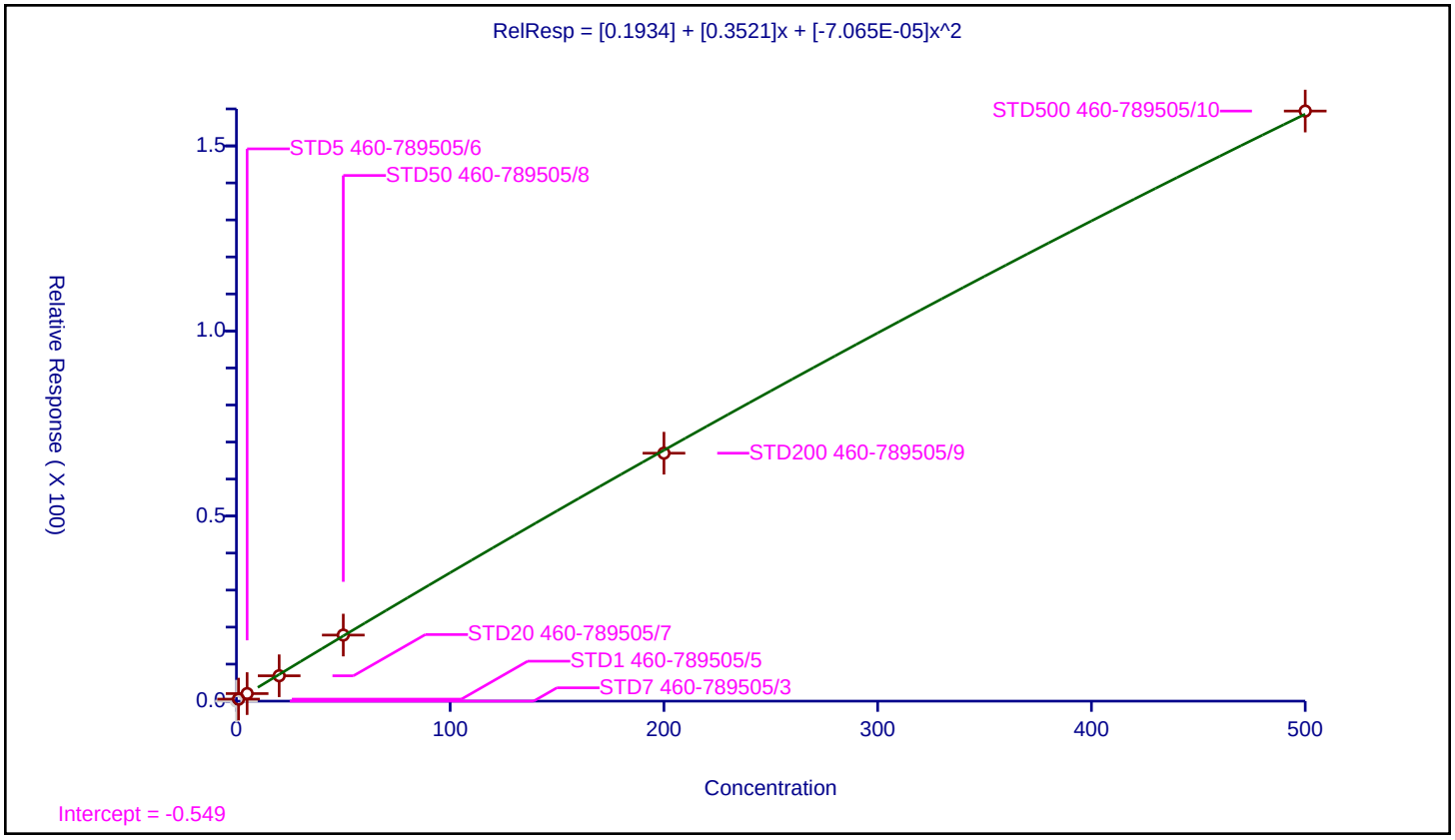
Curve Coefficients

Intercept:	0.1934
Slope:	0.3521
Second Order:	-7.065E-05

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	4.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.542568	50.0	386127.0	0.542568	Y
3	STD5 460-789505/6	5.0	2.043395	50.0	381106.0	0.408679	Y
4	STD20 460-789505/7	20.0	6.854477	50.0	386543.0	0.342724	Y
5	STD50 460-789505/8	50.0	17.849325	50.0	414363.0	0.356987	Y
6	STD200 460-789505/9	200.0	66.986507	50.0	487899.0	0.334933	Y
7	STD500 460-789505/10	500.0	159.418861	50.0	597843.0	0.318838	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

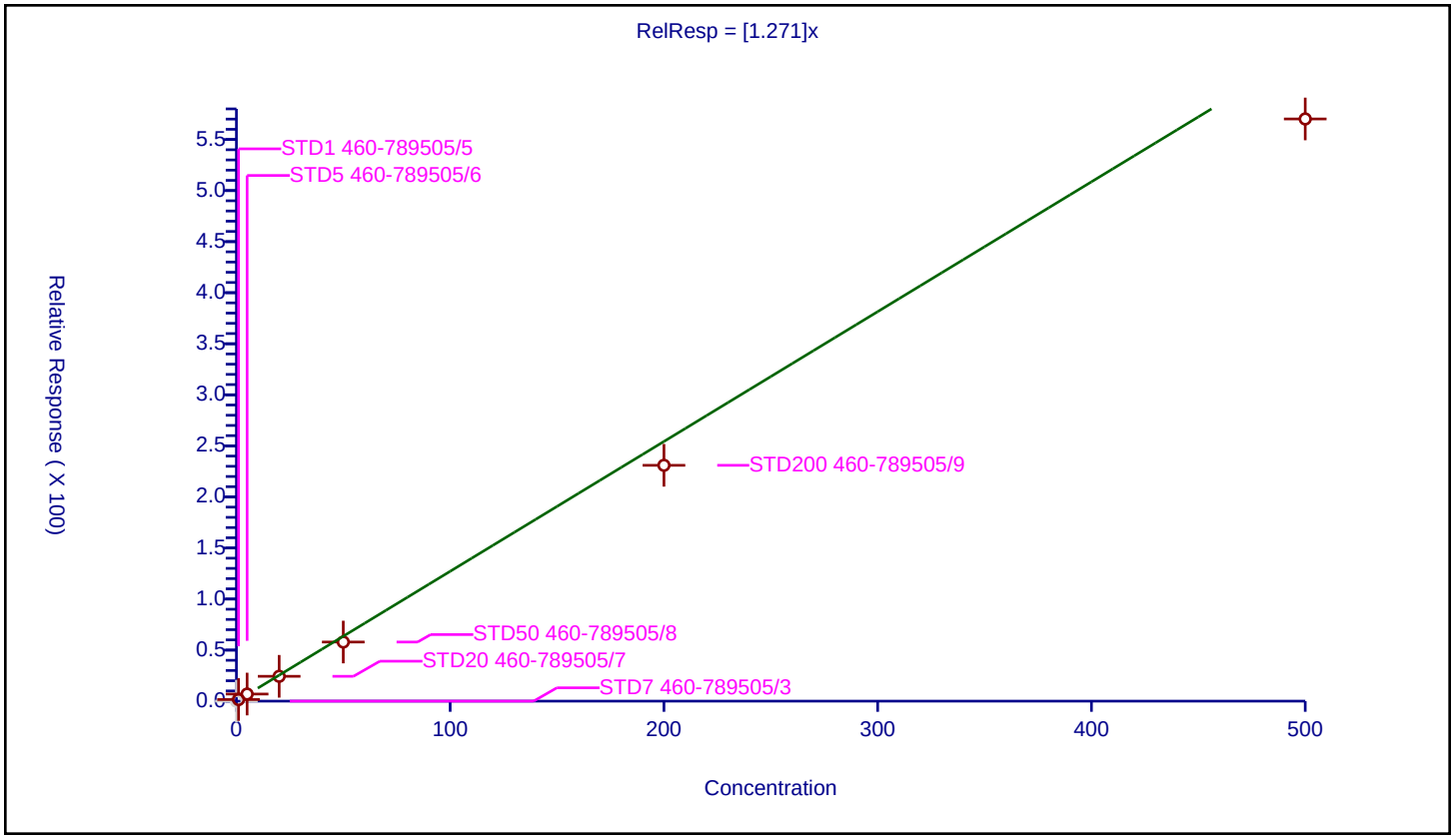
Curve Coefficients

Intercept:	0
Slope:	1.271

Error Coefficients

Standard Error:	3220000
Relative Standard Error:	13.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	1.56736	50.0	386127.0	1.56736	Y
3	STD5 460-789505/6	5.0	6.960793	50.0	381106.0	1.392159	Y
4	STD20 460-789505/7	20.0	24.328212	50.0	386543.0	1.216411	Y
5	STD50 460-789505/8	50.0	57.88958	50.0	414363.0	1.157792	Y
6	STD200 460-789505/9	200.0	230.959584	50.0	487899.0	1.154798	Y
7	STD500 460-789505/10	500.0	570.136976	50.0	597843.0	1.140274	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

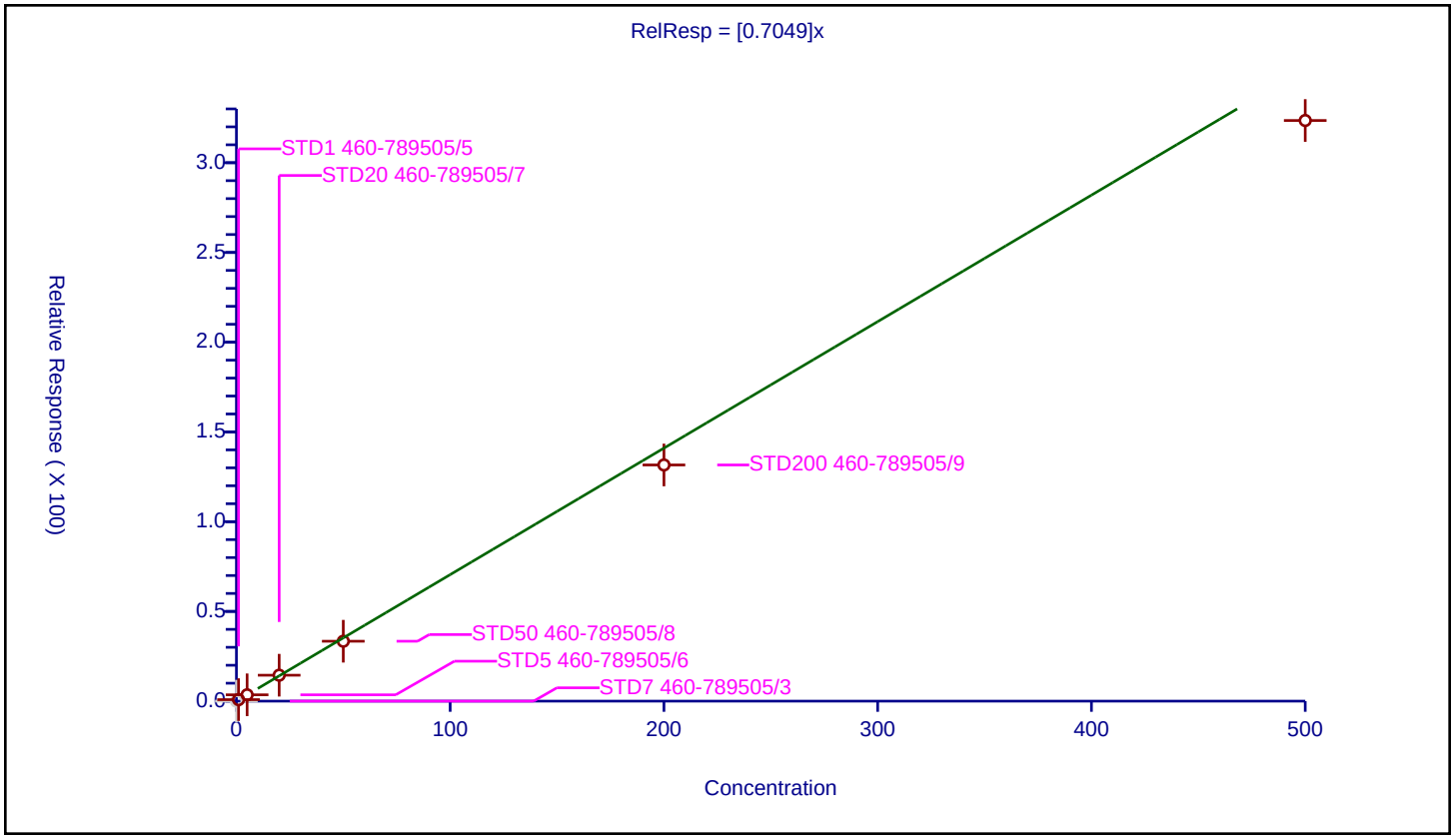
Curve Coefficients

Intercept:	0
Slope:	0.7049

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	9.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.831074	50.0	386127.0	0.831074	Y
3	STD5 460-789505/6	5.0	3.517394	50.0	381106.0	0.703479	Y
4	STD20 460-789505/7	20.0	14.440179	50.0	386543.0	0.722009	Y
5	STD50 460-789505/8	50.0	33.382204	50.0	414363.0	0.667644	Y
6	STD200 460-789505/9	200.0	131.60029	50.0	487899.0	0.658001	Y
7	STD500 460-789505/10	500.0	323.529923	50.0	597843.0	0.64706	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

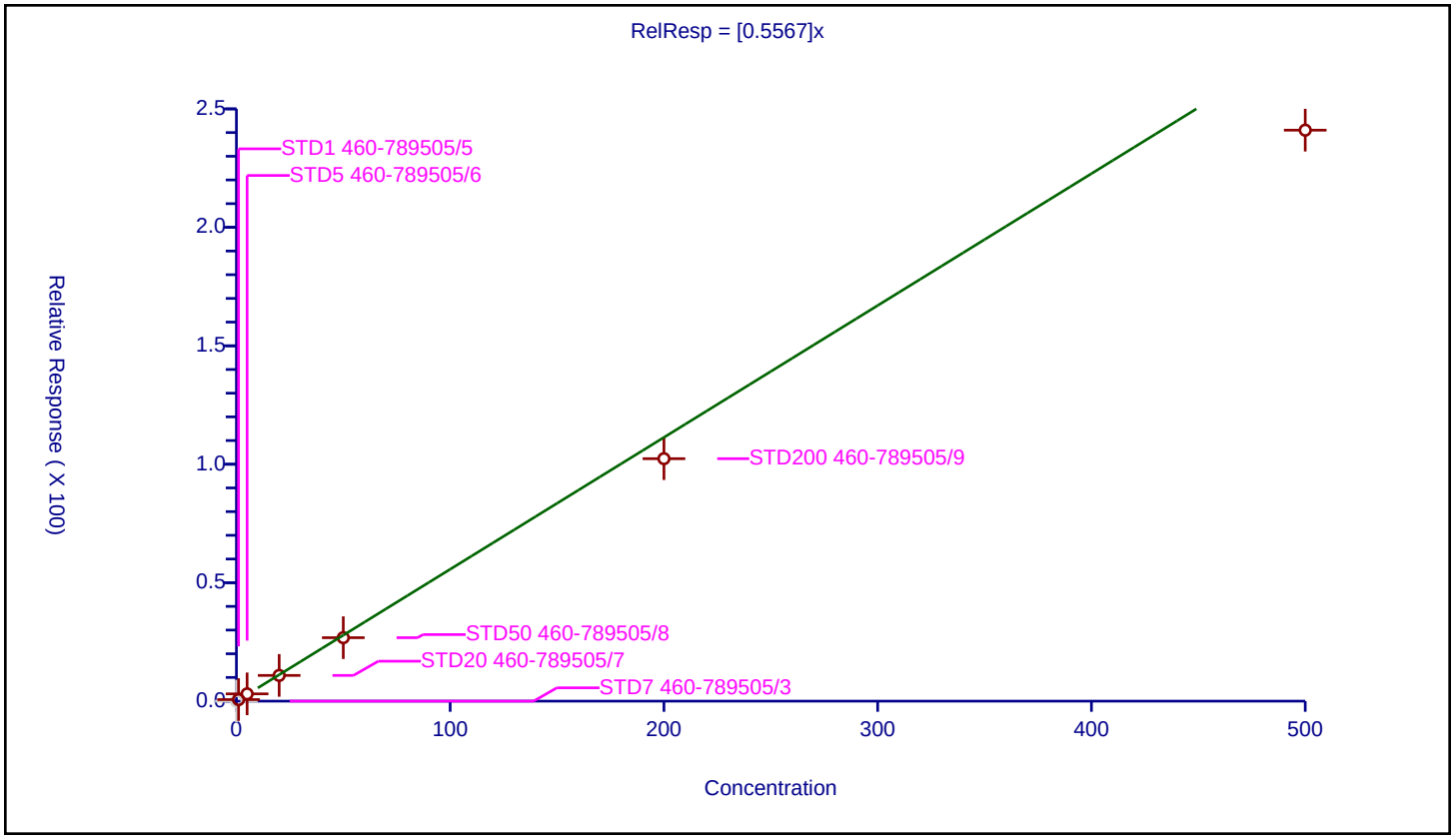
Curve Coefficients

Intercept:	0
Slope:	0.5567

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	11.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.652894	50.0	386127.0	0.652894	Y
3	STD5 460-789505/6	5.0	3.074079	50.0	381106.0	0.614816	Y
4	STD20 460-789505/7	20.0	10.85636	50.0	386543.0	0.542818	Y
5	STD50 460-789505/8	50.0	26.789433	50.0	414363.0	0.535789	Y
6	STD200 460-789505/9	200.0	102.350999	50.0	487899.0	0.511755	Y
7	STD500 460-789505/10	500.0	241.018963	50.0	597843.0	0.482038	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

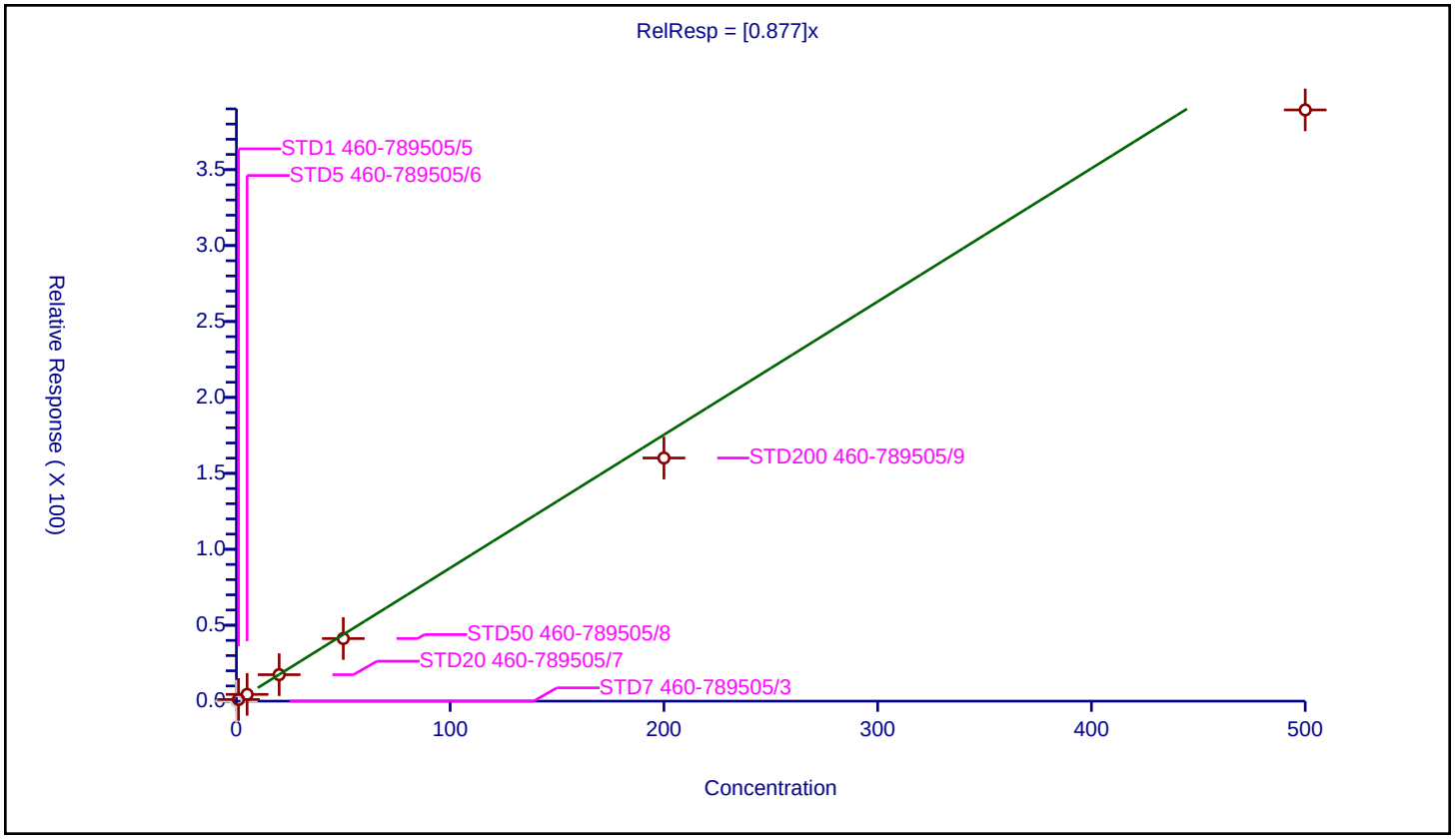
Curve Coefficients

Intercept:	0
Slope:	0.877

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	13.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	1.098084	50.0	386127.0	1.098084	Y
3	STD5 460-789505/6	5.0	4.446926	50.0	381106.0	0.889385	Y
4	STD20 460-789505/7	20.0	17.42497	50.0	386543.0	0.871248	Y
5	STD50 460-789505/8	50.0	41.219535	50.0	414363.0	0.824391	Y
6	STD200 460-789505/9	200.0	160.099529	50.0	487899.0	0.800498	Y
7	STD500 460-789505/10	500.0	389.307226	50.0	597843.0	0.778614	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

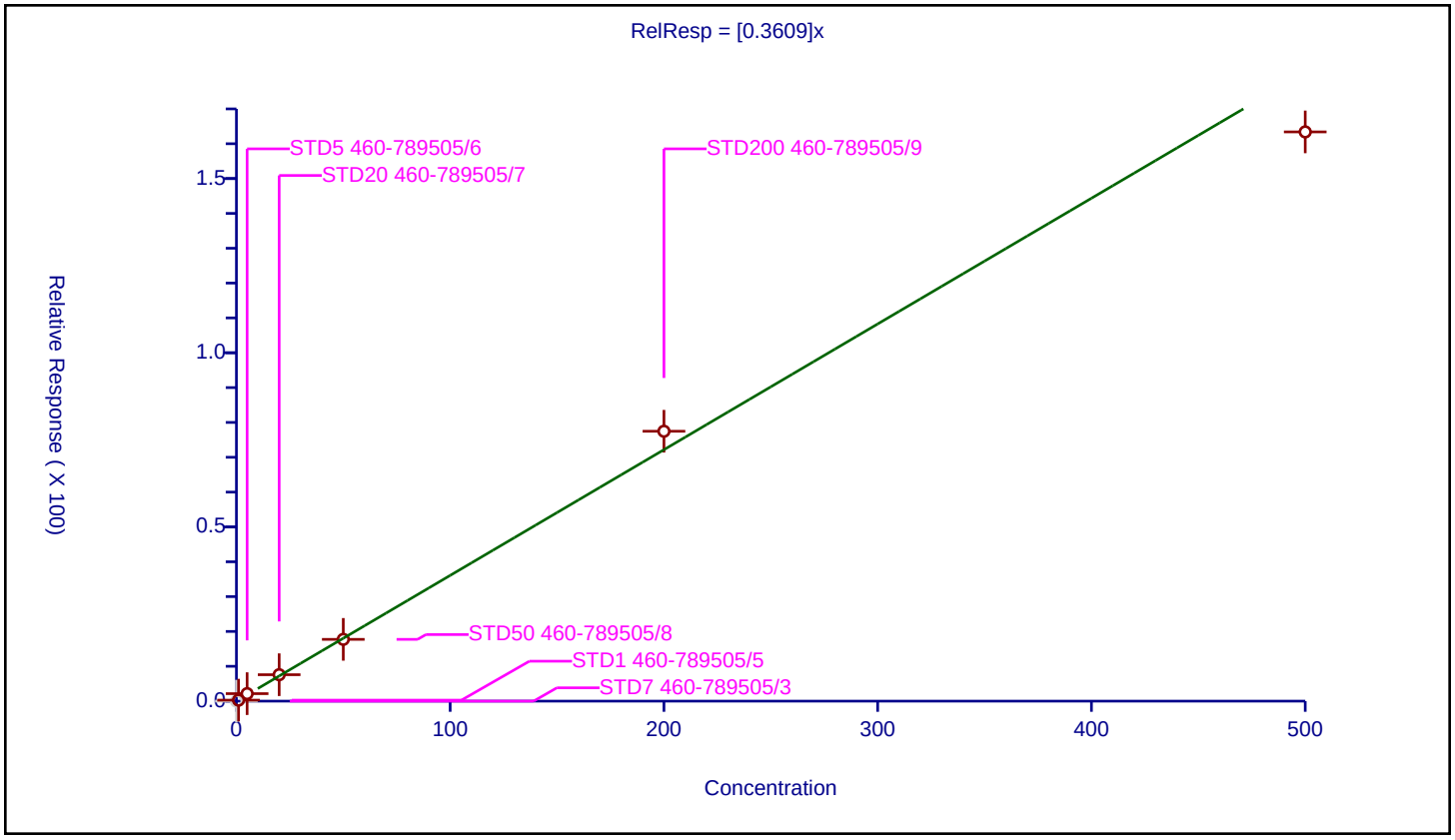
Curve Coefficients

Intercept:	0
Slope:	0.3609

Error Coefficients

Standard Error:	939000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.287082	50.0	386127.0	0.287082	Y
3	STD5 460-789505/6	5.0	2.150583	50.0	381106.0	0.430117	Y
4	STD20 460-789505/7	20.0	7.584926	50.0	386543.0	0.379246	Y
5	STD50 460-789505/8	50.0	17.736502	50.0	414363.0	0.35473	Y
6	STD200 460-789505/9	200.0	77.467775	50.0	487899.0	0.387339	Y
7	STD500 460-789505/10	500.0	163.39181	50.0	597843.0	0.326784	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

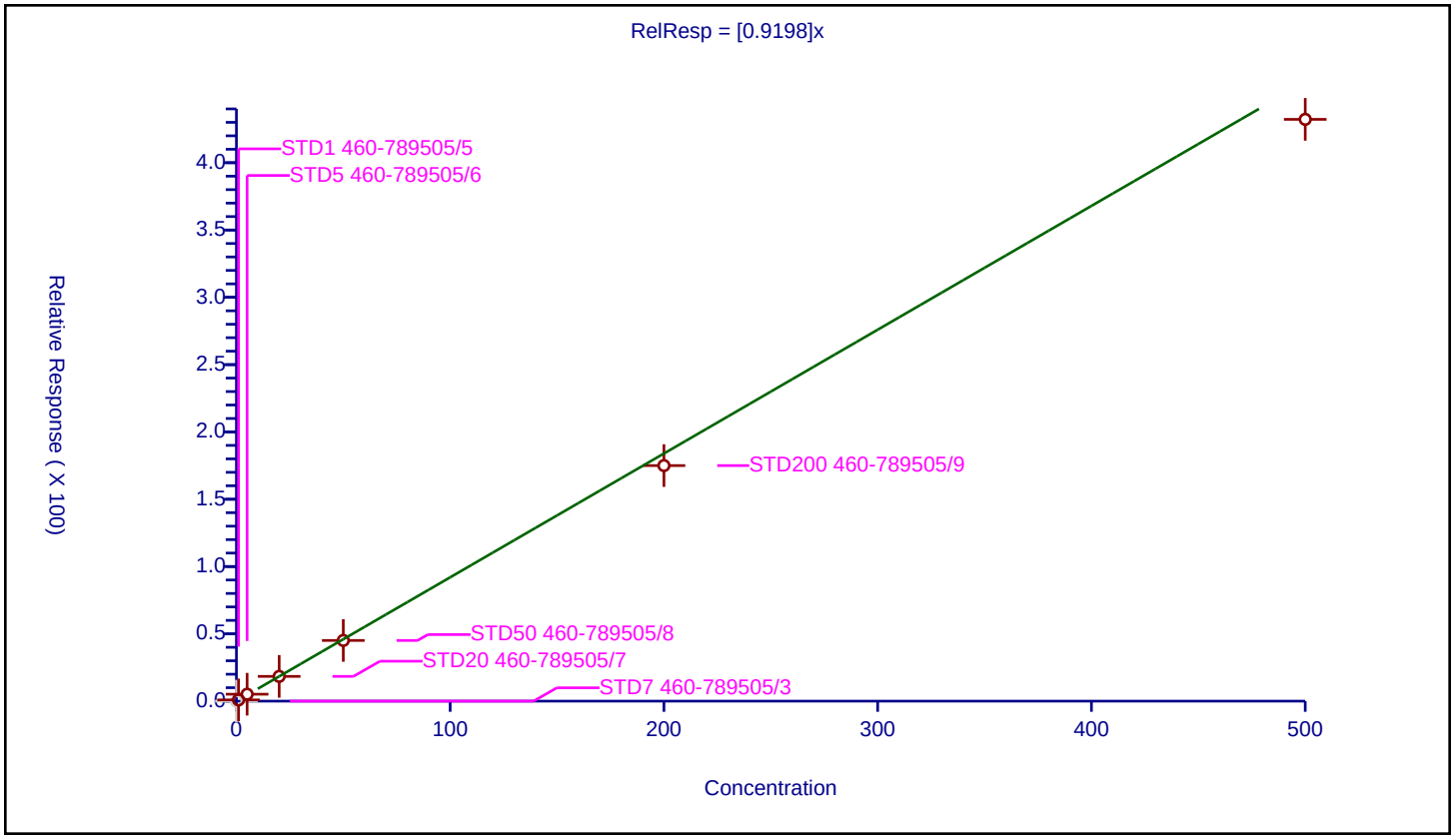
Curve Coefficients

Intercept:	0
Slope:	0.9198

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.927674	50.0	386127.0	0.927674	Y
3	STD5 460-789505/6	5.0	5.154734	50.0	381106.0	1.030947	Y
4	STD20 460-789505/7	20.0	18.385794	50.0	386543.0	0.91929	Y
5	STD50 460-789505/8	50.0	45.079556	50.0	414363.0	0.901591	Y
6	STD200 460-789505/9	200.0	175.00743	50.0	487899.0	0.875037	Y
7	STD500 460-789505/10	500.0	432.224681	50.0	597843.0	0.864449	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

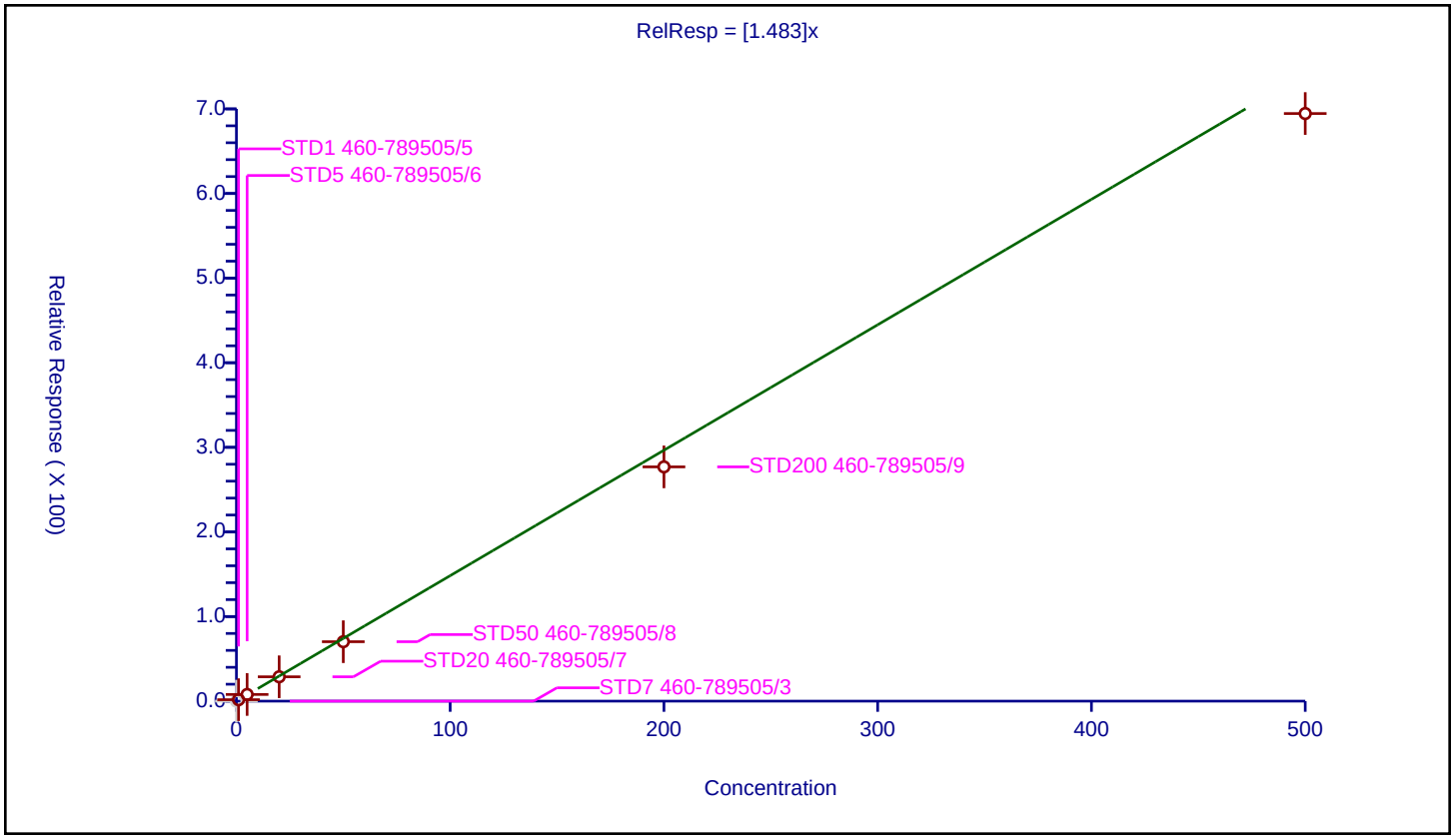
Curve Coefficients

Intercept:	0
Slope:	1.483

Error Coefficients

Standard Error:	3920000
Relative Standard Error:	8.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	1.701513	50.0	386127.0	1.701513	Y
3	STD5 460-789505/6	5.0	7.883109	50.0	381106.0	1.576622	Y
4	STD20 460-789505/7	20.0	28.796149	50.0	386543.0	1.439807	Y
5	STD50 460-789505/8	50.0	70.258445	50.0	414363.0	1.405169	Y
6	STD200 460-789505/9	200.0	276.893988	50.0	487899.0	1.38447	Y
7	STD500 460-789505/10	500.0	694.52189	50.0	597843.0	1.389044	Y



Calibration / Amyl acetate (mixed isomers)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

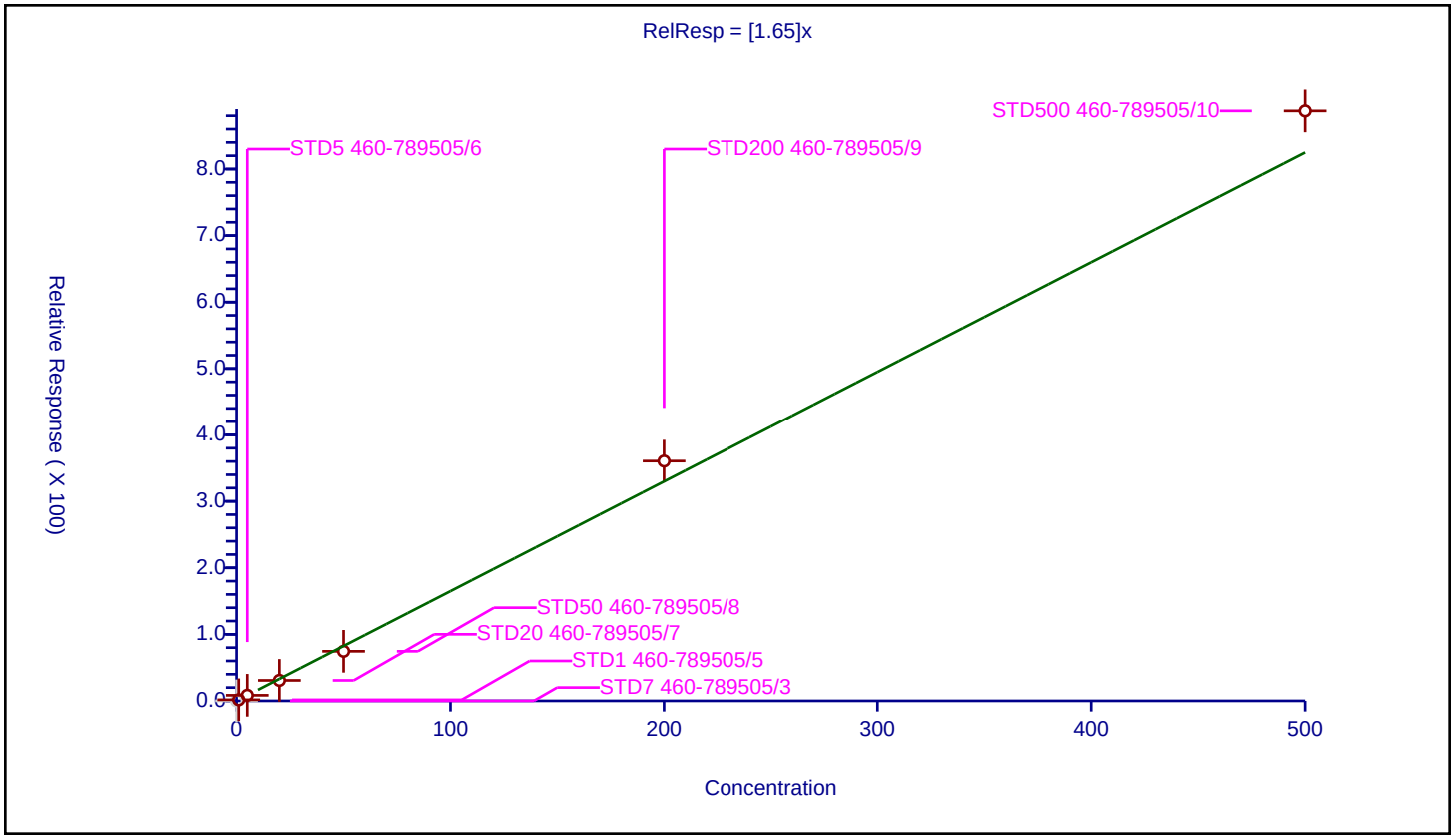
Curve Coefficients

Intercept:	0
Slope:	1.65

Error Coefficients

Standard Error:	2890000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	1.619934	50.0	272974.0	1.619934	Y
3	STD5 460-789505/6	5.0	8.367148	50.0	275769.0	1.67343	Y
4	STD20 460-789505/7	20.0	30.748347	50.0	260788.0	1.537417	Y
5	STD50 460-789505/8	50.0	74.488529	50.0	288237.0	1.489771	Y
6	STD200 460-789505/9	200.0	360.652127	50.0	312853.0	1.803261	Y
7	STD500 460-789505/10	500.0	887.295378	50.0	340262.0	1.774591	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

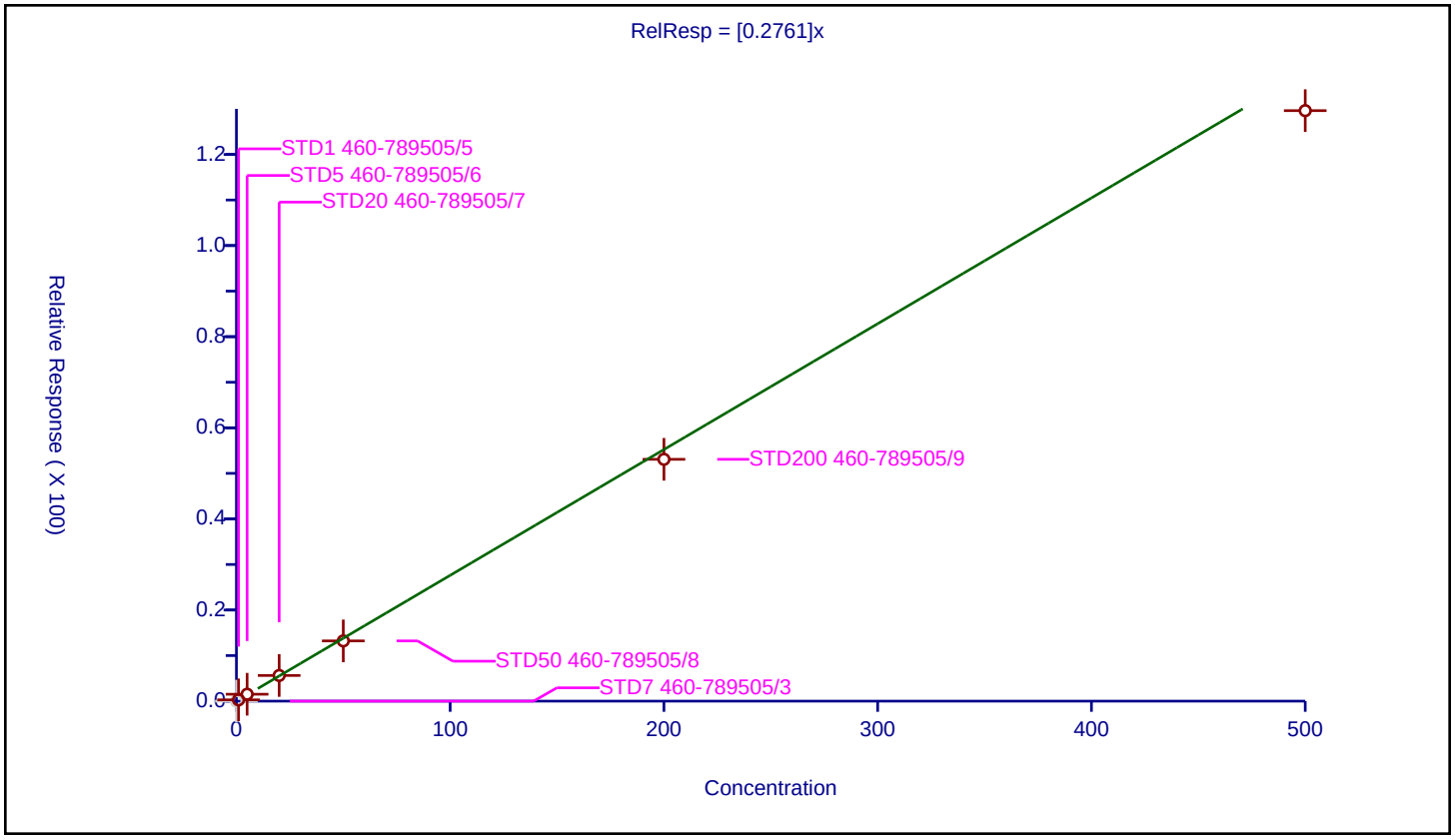
Curve Coefficients

Intercept:	0
Slope:	0.2761

Error Coefficients

Standard Error:	733000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	0.282938	50.0	386127.0	0.282938	Y
3	STD5 460-789505/6	5.0	1.51677	50.0	381106.0	0.303354	Y
4	STD20 460-789505/7	20.0	5.630292	50.0	386543.0	0.281515	Y
5	STD50 460-789505/8	50.0	13.22162	50.0	414363.0	0.264432	Y
6	STD200 460-789505/9	200.0	53.077994	50.0	487899.0	0.26539	Y
7	STD500 460-789505/10	500.0	129.612039	50.0	597843.0	0.259224	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

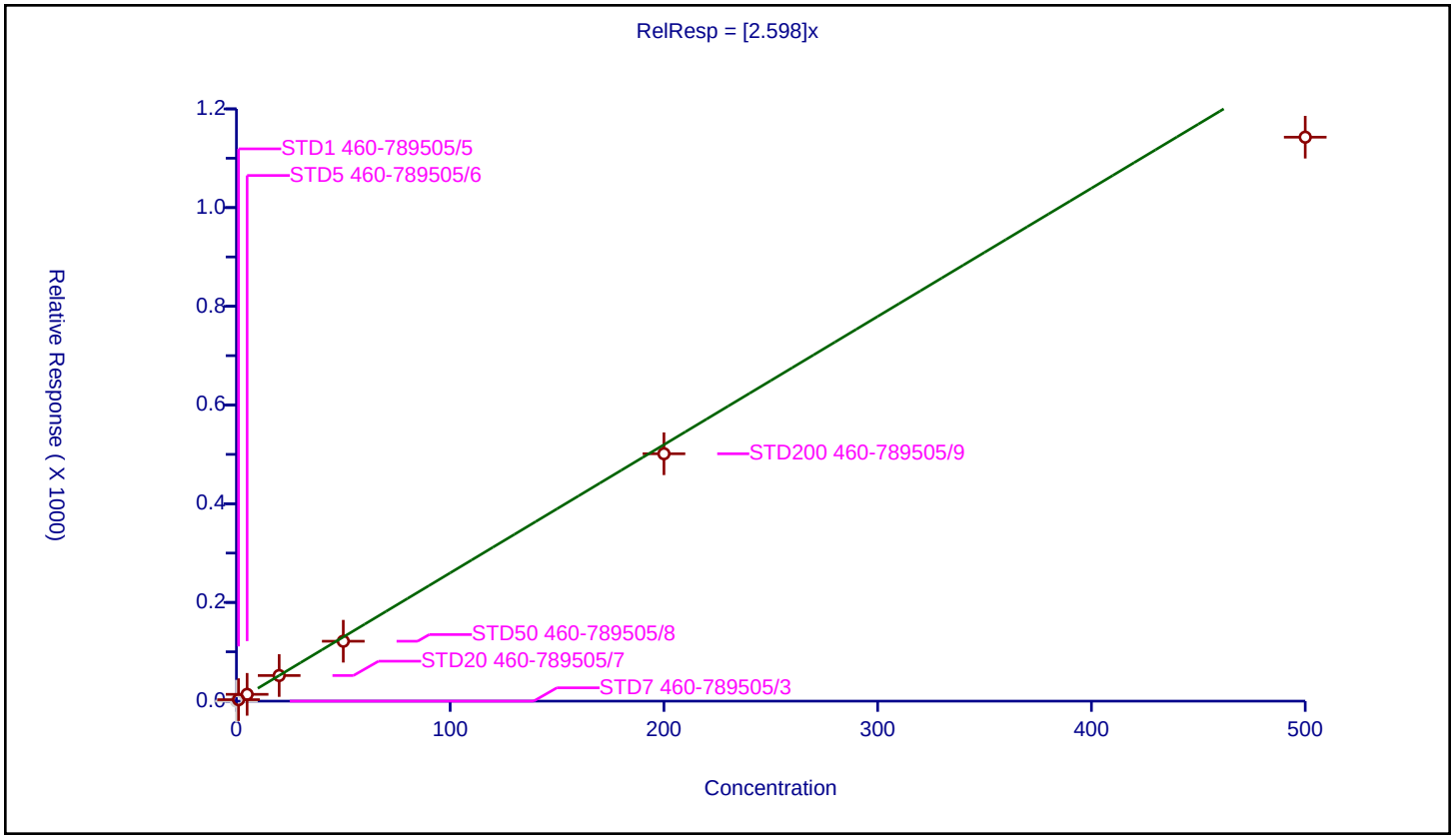
Curve Coefficients

Intercept:	0
Slope:	2.598

Error Coefficients

Standard Error:	6510000
Relative Standard Error:	10.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	373055.0	NaN	N
2	STD1 460-789505/5	1.0	3.021415	50.0	386127.0	3.021415	Y
3	STD5 460-789505/6	5.0	13.770972	50.0	381106.0	2.754194	Y
4	STD20 460-789505/7	20.0	51.867839	50.0	386543.0	2.593392	Y
5	STD50 460-789505/8	50.0	121.387045	50.0	414363.0	2.427741	Y
6	STD200 460-789505/9	200.0	501.279876	50.0	487899.0	2.506399	Y
7	STD500 460-789505/10	500.0	1142.677844	50.0	597843.0	2.285356	Y



Calibration / 4-Bromofluorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

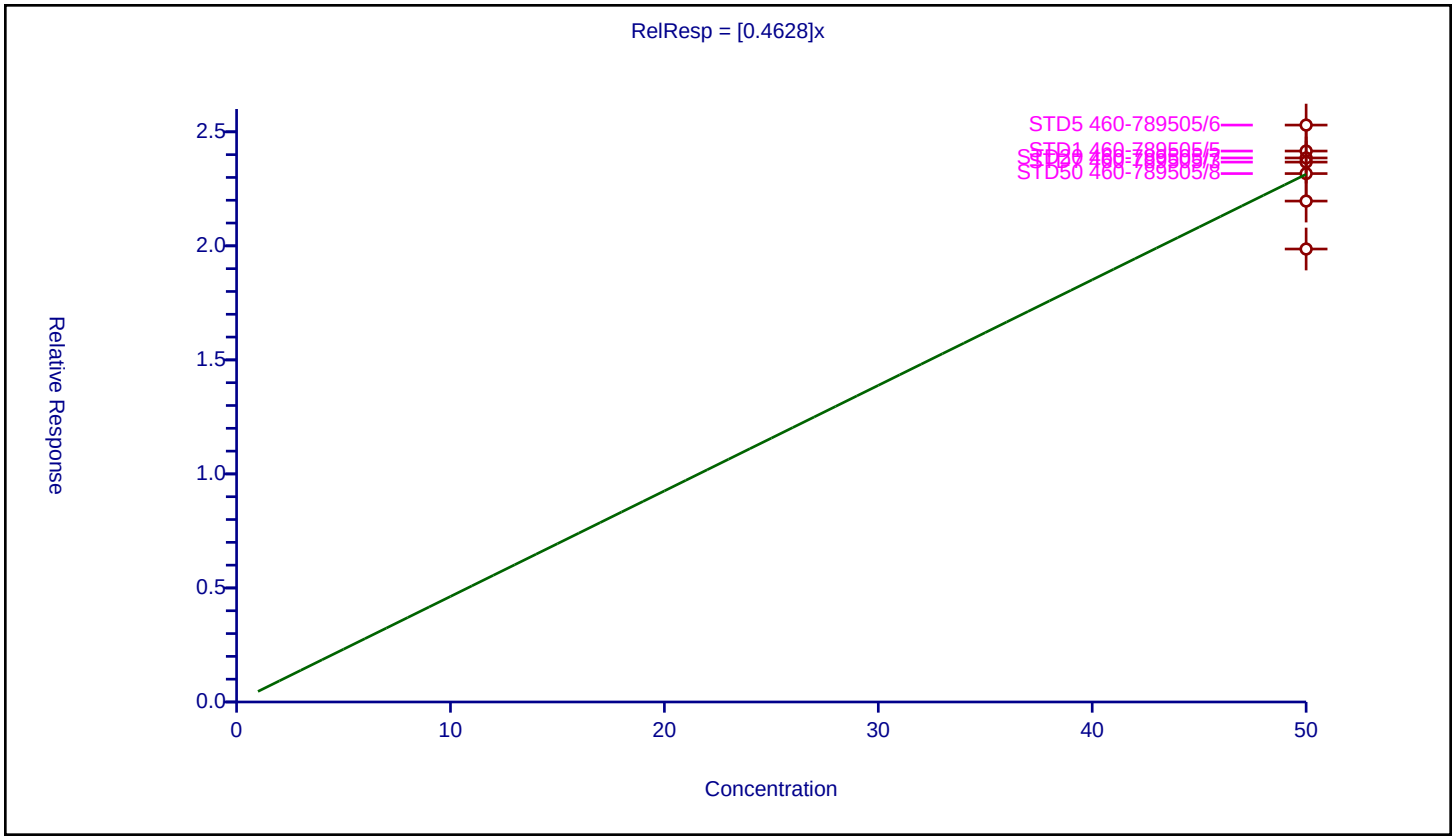
Curve Coefficients

Intercept:	0
Slope:	0.4628

Error Coefficients

Standard Error:	215000
Relative Standard Error:	7.6
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	50.0	23.671711	50.0	373055.0	0.473434	Y
2	STD1 460-789505/5	50.0	24.156689	50.0	386127.0	0.483134	Y
3	STD5 460-789505/6	50.0	25.295587	50.0	381106.0	0.505912	Y
4	STD20 460-789505/7	50.0	23.854914	50.0	386543.0	0.477098	Y
5	STD50 460-789505/8	50.0	23.169298	50.0	414363.0	0.463386	Y
6	STD200 460-789505/9	50.0	21.96387	50.0	487899.0	0.439277	Y
7	STD500 460-789505/10	50.0	19.861151	50.0	597843.0	0.397223	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

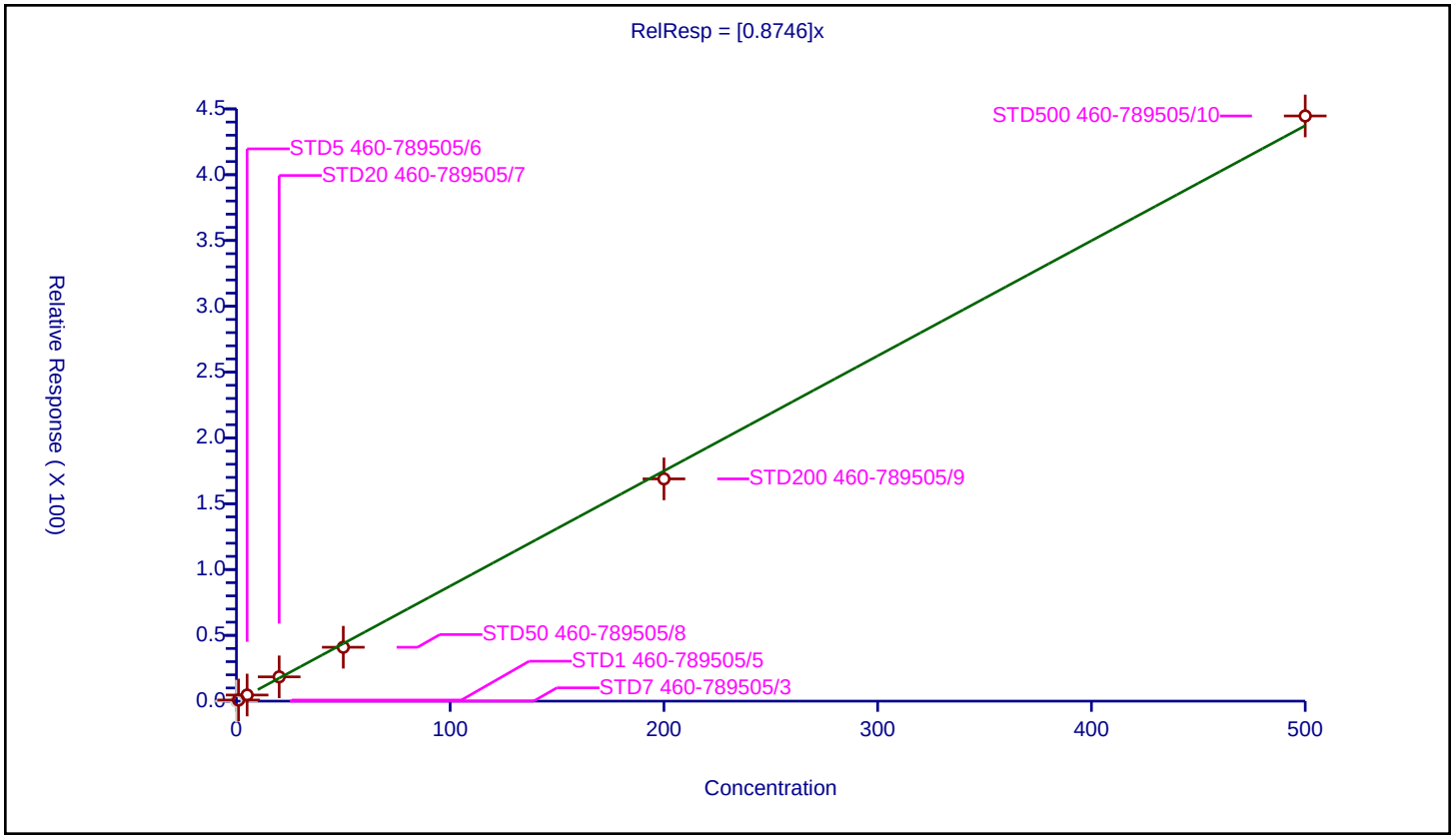
Curve Coefficients

Intercept:	0
Slope:	0.8746

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.845868	50.0	272974.0	0.845868	Y
3	STD5 460-789505/6	5.0	4.634857	50.0	275769.0	0.926971	Y
4	STD20 460-789505/7	20.0	18.440457	50.0	260788.0	0.922023	Y
5	STD50 460-789505/8	50.0	40.944431	50.0	288237.0	0.818889	Y
6	STD200 460-789505/9	200.0	168.860295	50.0	312853.0	0.844301	Y
7	STD500 460-789505/10	500.0	444.646037	50.0	340262.0	0.889292	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

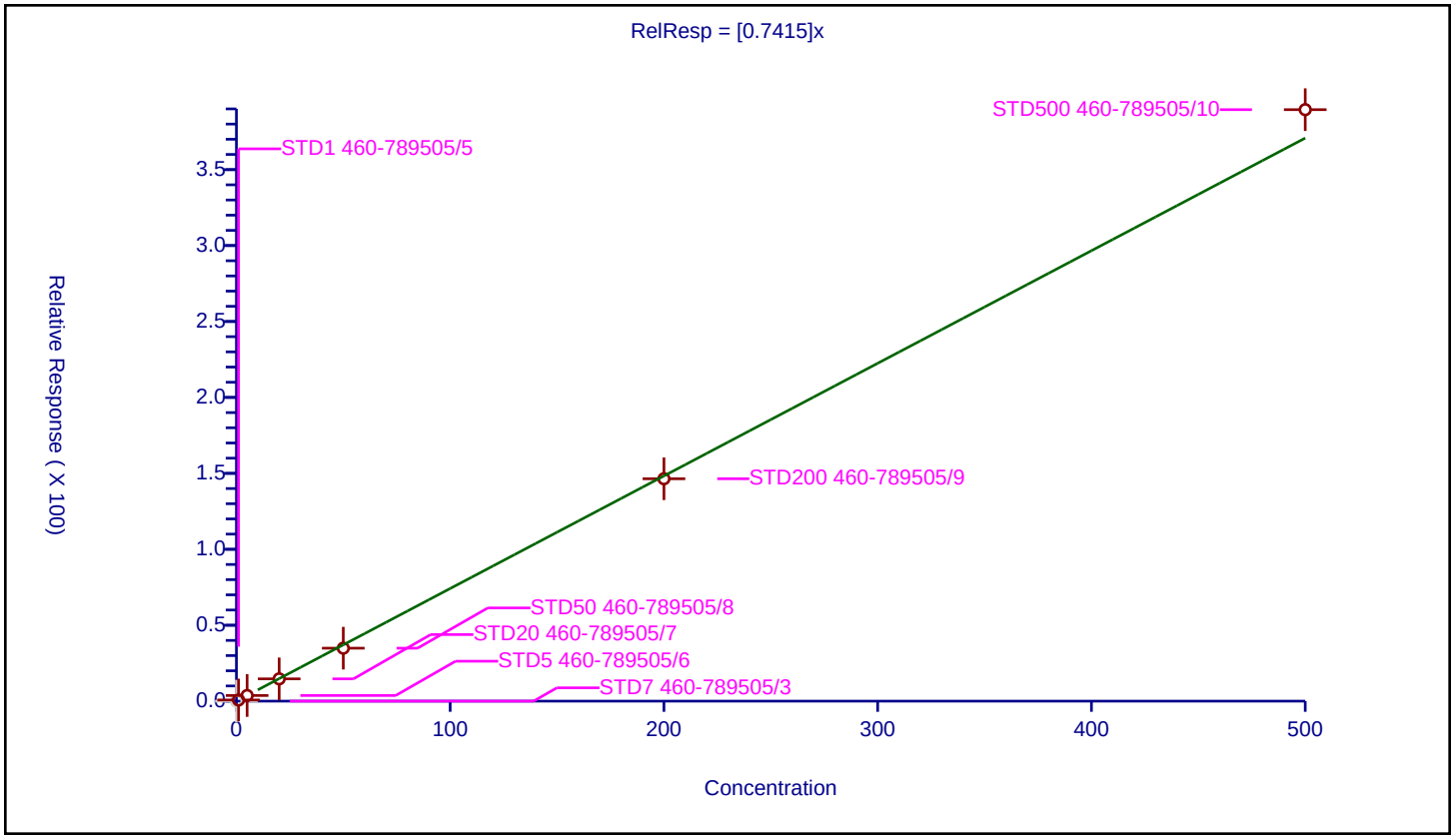
Curve Coefficients

Intercept:	0
Slope:	0.7415

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	3.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.765824	50.0	272974.0	0.765824	Y
3	STD5 460-789505/6	5.0	3.706	50.0	275769.0	0.7412	Y
4	STD20 460-789505/7	20.0	14.673988	50.0	260788.0	0.733699	Y
5	STD50 460-789505/8	50.0	34.871998	50.0	288237.0	0.69744	Y
6	STD200 460-789505/9	200.0	146.431711	50.0	312853.0	0.732159	Y
7	STD500 460-789505/10	500.0	389.487806	50.0	340262.0	0.778976	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

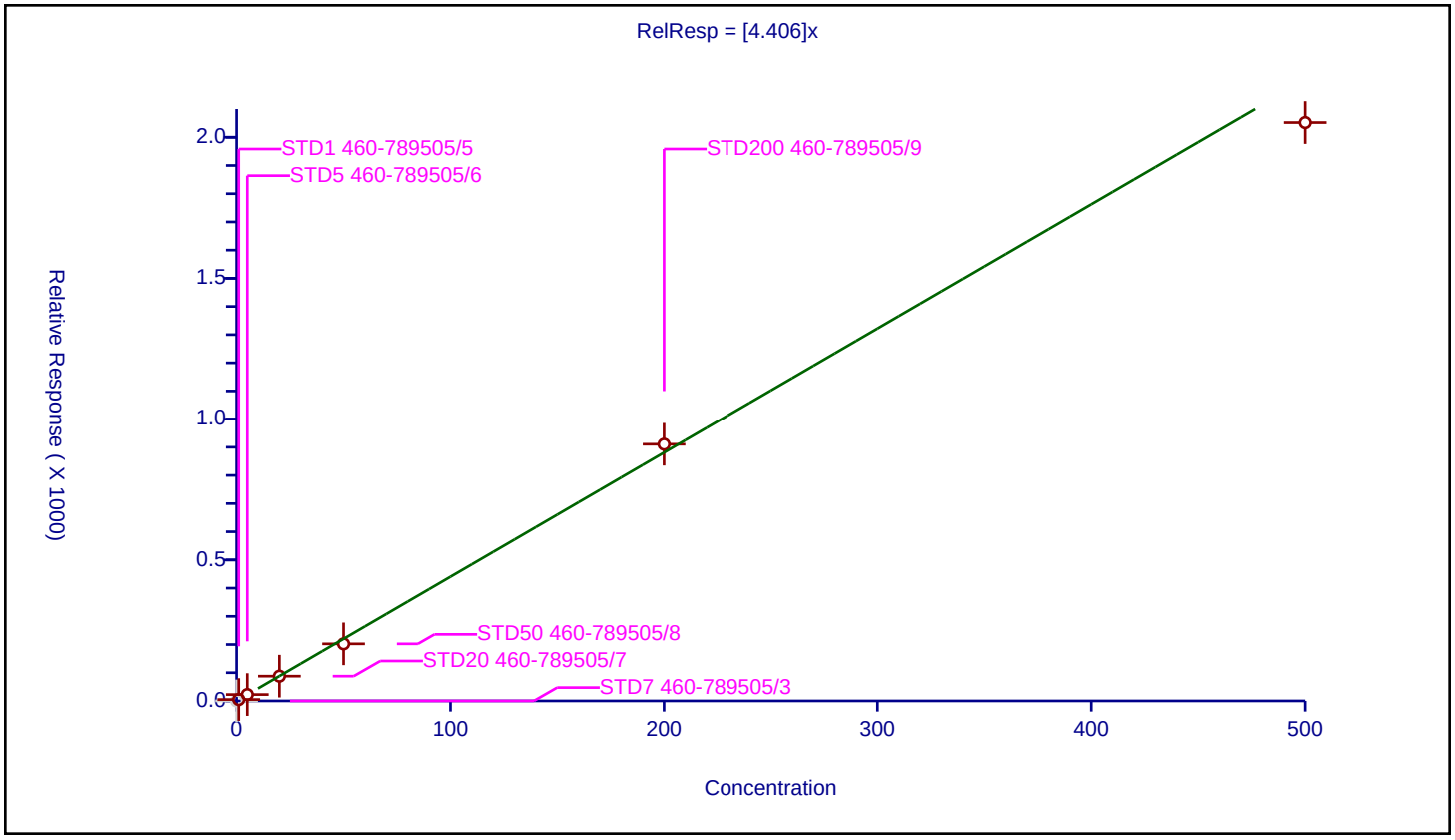
Curve Coefficients

Intercept:	0
Slope:	4.406

Error Coefficients

Standard Error:	6770000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	4.829215	50.0	272974.0	4.829215	Y
3	STD5 460-789505/6	5.0	22.558736	50.0	275769.0	4.511747	Y
4	STD20 460-789505/7	20.0	87.747136	50.0	260788.0	4.387357	Y
5	STD50 460-789505/8	50.0	202.454404	50.0	288237.0	4.049088	Y
6	STD200 460-789505/9	200.0	910.690324	50.0	312853.0	4.553452	Y
7	STD500 460-789505/10	500.0	2052.074872	50.0	340262.0	4.10415	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

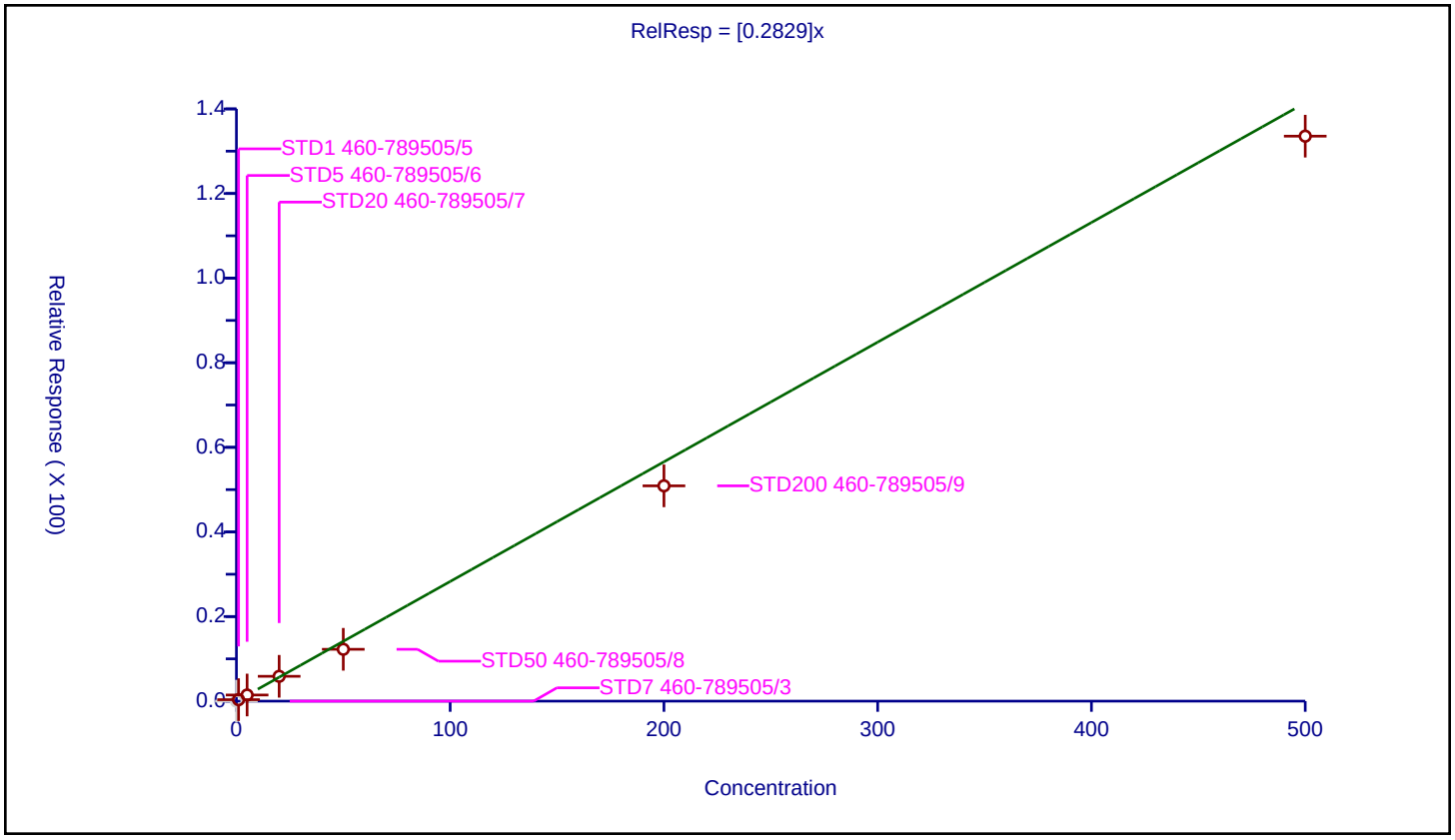
Curve Coefficients

Intercept:	0
Slope:	0.2829

Error Coefficients

Standard Error:	432000
Relative Standard Error:	13.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.347103	50.0	272974.0	0.347103	Y
3	STD5 460-789505/6	5.0	1.448858	50.0	275769.0	0.289772	Y
4	STD20 460-789505/7	20.0	5.870861	50.0	260788.0	0.293543	Y
5	STD50 460-789505/8	50.0	12.257621	50.0	288237.0	0.245152	Y
6	STD200 460-789505/9	200.0	50.891633	50.0	312853.0	0.254458	Y
7	STD500 460-789505/10	500.0	133.555319	50.0	340262.0	0.267111	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

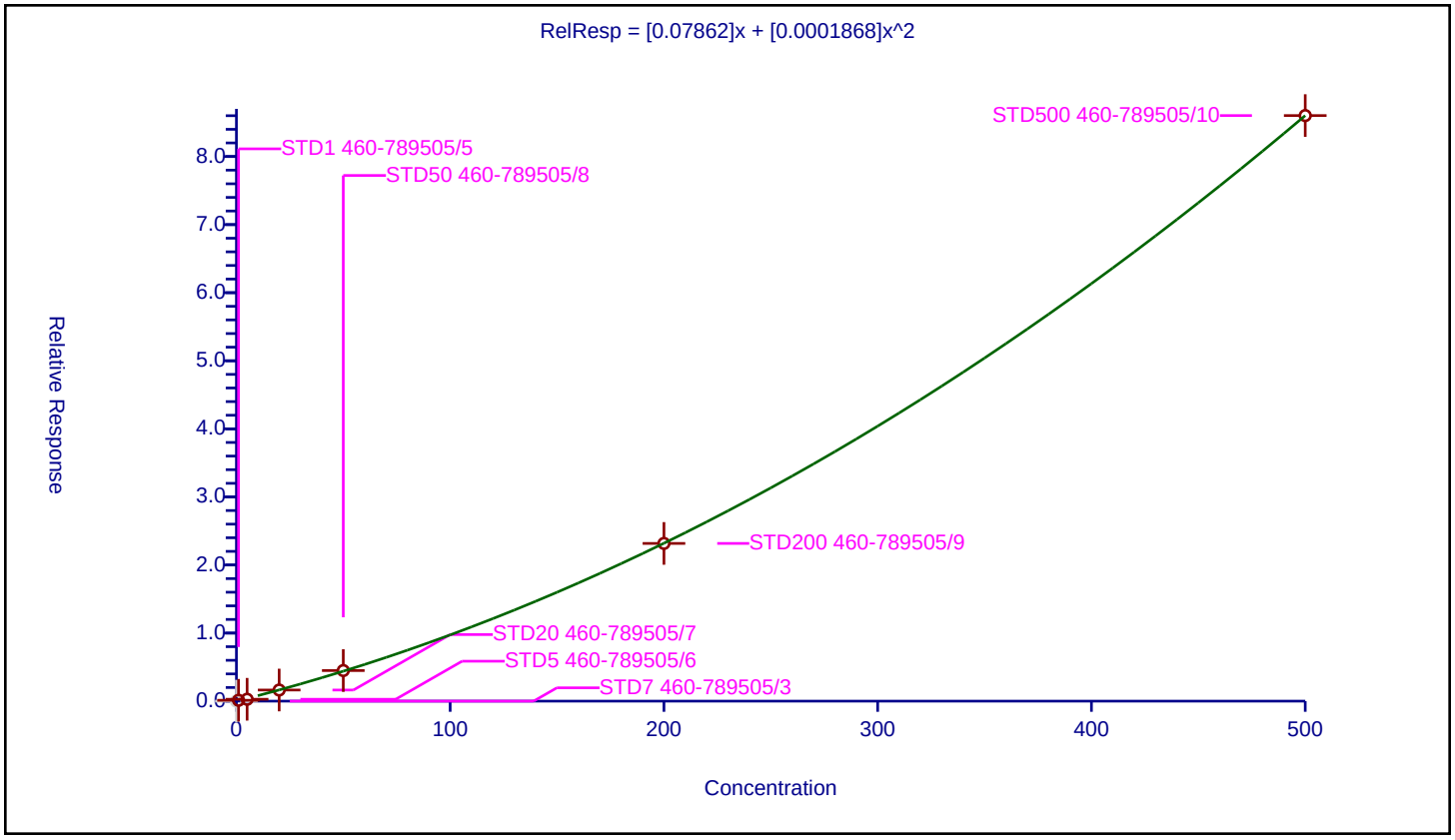
Curve Coefficients

Intercept:	0
Slope:	0.07862
Second Order:	0.0001868

Error Coefficients

Standard Error:	302000
Relative Standard Error:	35.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.128767	50.0	272974.0	0.128767	Y
3	STD5 460-789505/6	5.0	0.2765	50.0	275769.0	0.0553	Y
4	STD20 460-789505/7	20.0	1.635236	50.0	260788.0	0.081762	Y
5	STD50 460-789505/8	50.0	4.494739	50.0	288237.0	0.089895	Y
6	STD200 460-789505/9	200.0	23.166631	50.0	312853.0	0.115833	Y
7	STD500 460-789505/10	500.0	86.01607	50.0	340262.0	0.172032	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

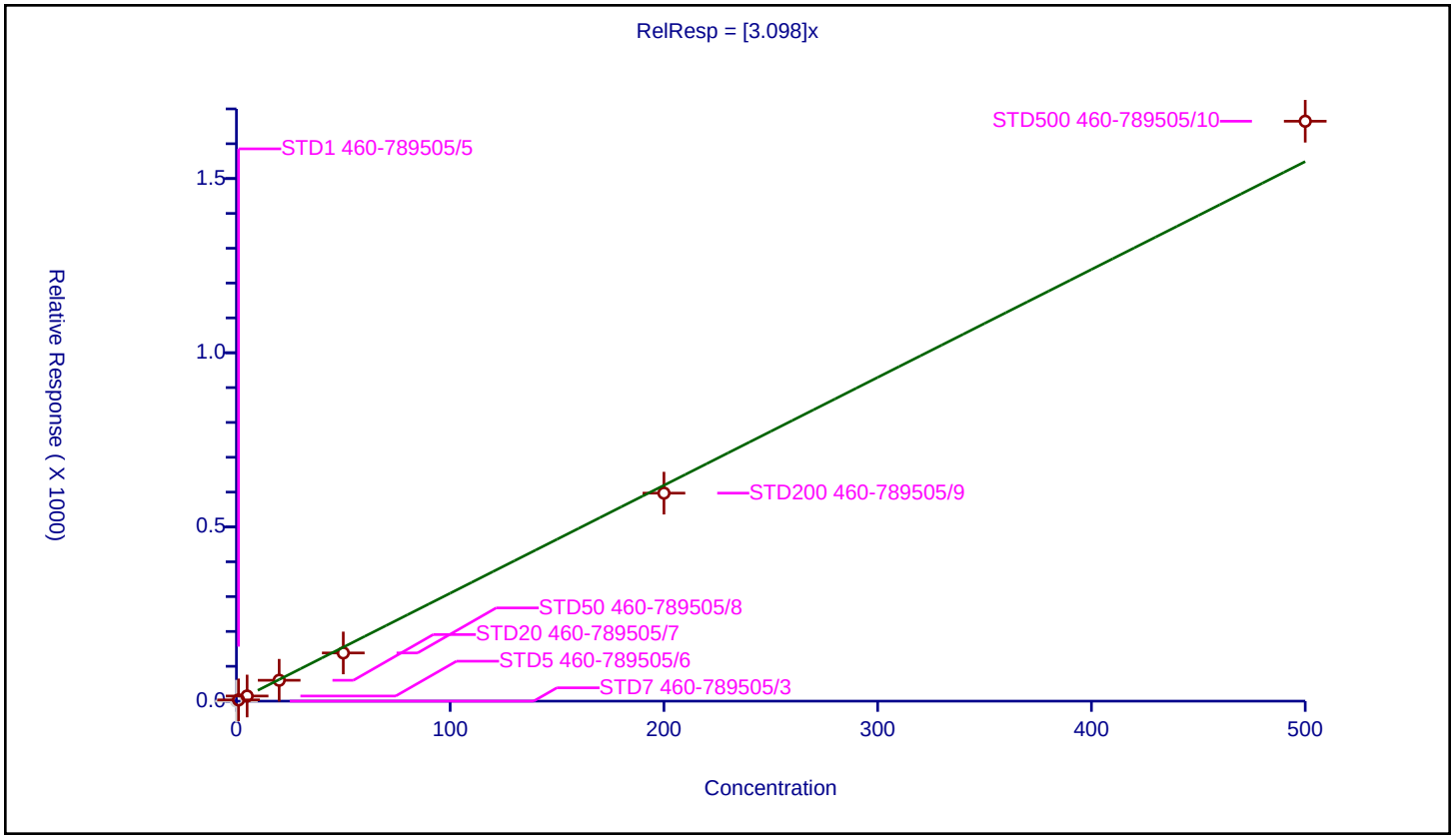
Curve Coefficients

Intercept:	0
Slope:	3.098

Error Coefficients

Standard Error:	5350000
Relative Standard Error:	9.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.564808	50.0	272974.0	3.564808	Y
3	STD5 460-789505/6	5.0	14.726818	50.0	275769.0	2.945364	Y
4	STD20 460-789505/7	20.0	59.890601	50.0	260788.0	2.99453	Y
5	STD50 460-789505/8	50.0	138.323671	50.0	288237.0	2.766473	Y
6	STD200 460-789505/9	200.0	597.058043	50.0	312853.0	2.98529	Y
7	STD500 460-789505/10	500.0	1664.565835	50.0	340262.0	3.329132	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

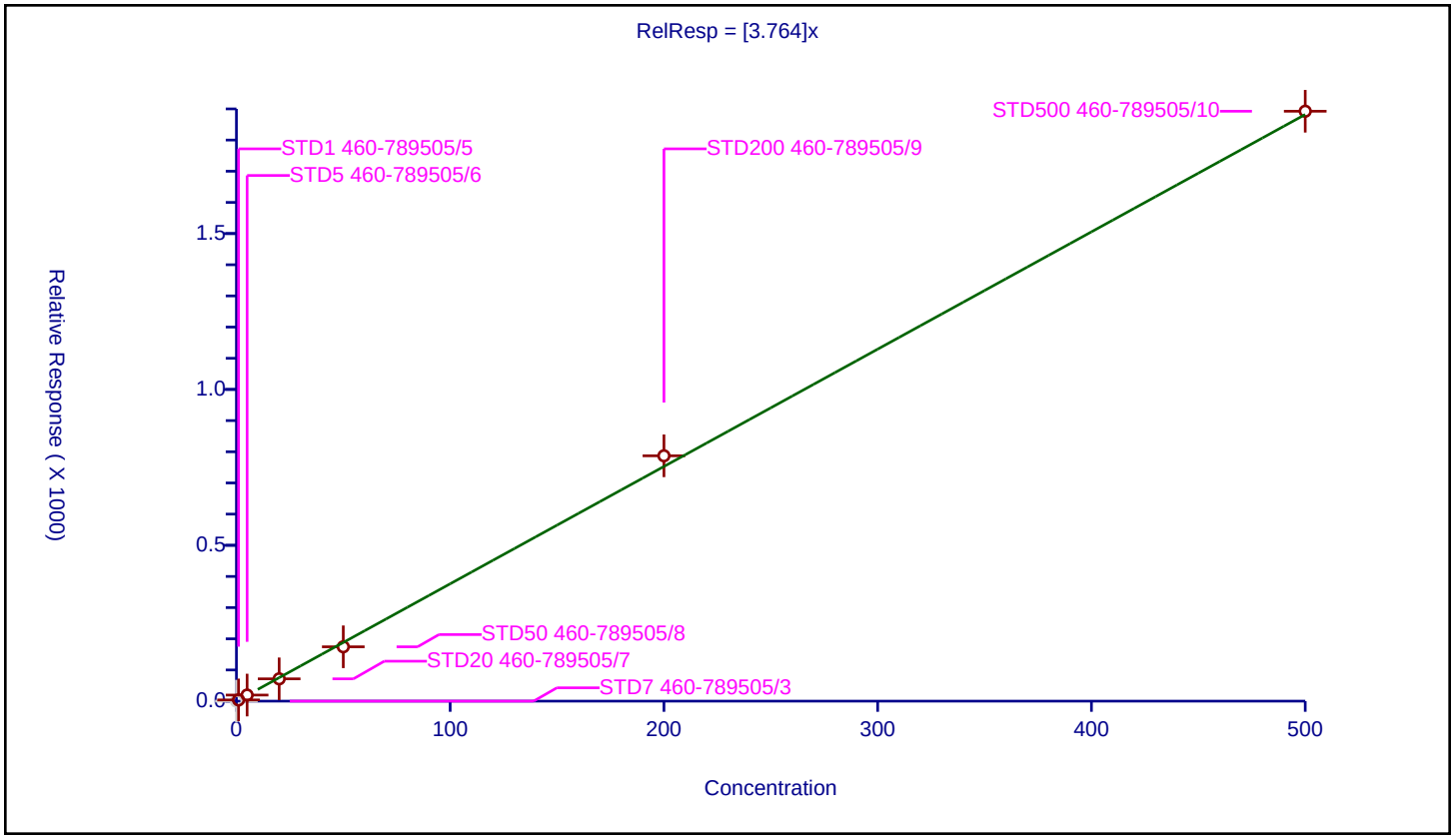
Curve Coefficients

Intercept:	0
Slope:	3.764

Error Coefficients

Standard Error:	6180000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.898906	50.0	272974.0	3.898906	Y
3	STD5 460-789505/6	5.0	19.505274	50.0	275769.0	3.901055	Y
4	STD20 460-789505/7	20.0	71.521888	50.0	260788.0	3.576094	Y
5	STD50 460-789505/8	50.0	174.351489	50.0	288237.0	3.48703	Y
6	STD200 460-789505/9	200.0	787.112638	50.0	312853.0	3.935563	Y
7	STD500 460-789505/10	500.0	1892.512681	50.0	340262.0	3.785025	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

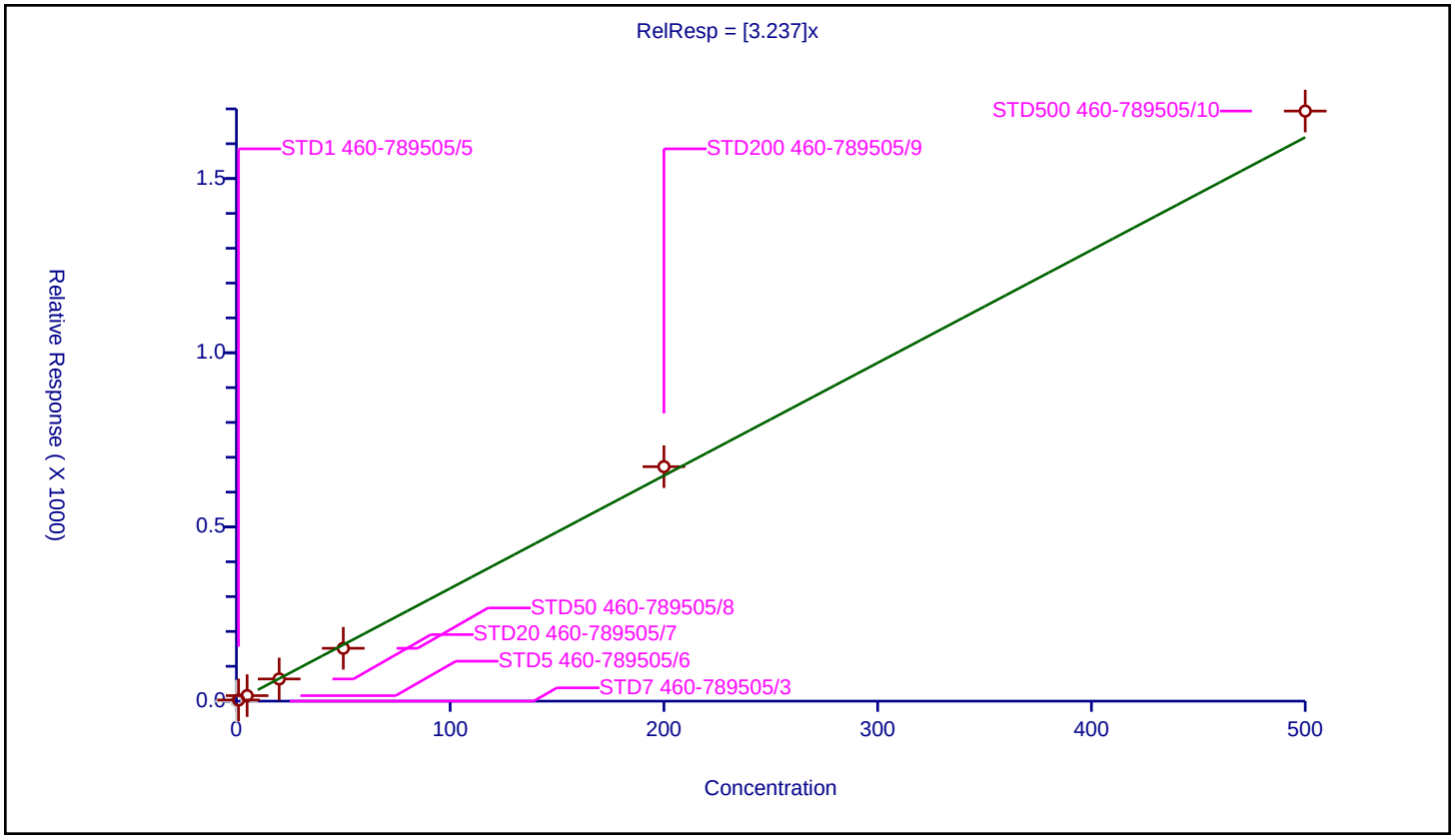
Curve Coefficients

Intercept:	0
Slope:	3.237

Error Coefficients

Standard Error:	5500000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.299215	50.0	272974.0	3.299215	Y
3	STD5 460-789505/6	5.0	15.759023	50.0	275769.0	3.151805	Y
4	STD20 460-789505/7	20.0	63.664547	50.0	260788.0	3.183227	Y
5	STD50 460-789505/8	50.0	151.6875	50.0	288237.0	3.03375	Y
6	STD200 460-789505/9	200.0	673.052999	50.0	312853.0	3.365265	Y
7	STD500 460-789505/10	500.0	1693.770683	50.0	340262.0	3.387541	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

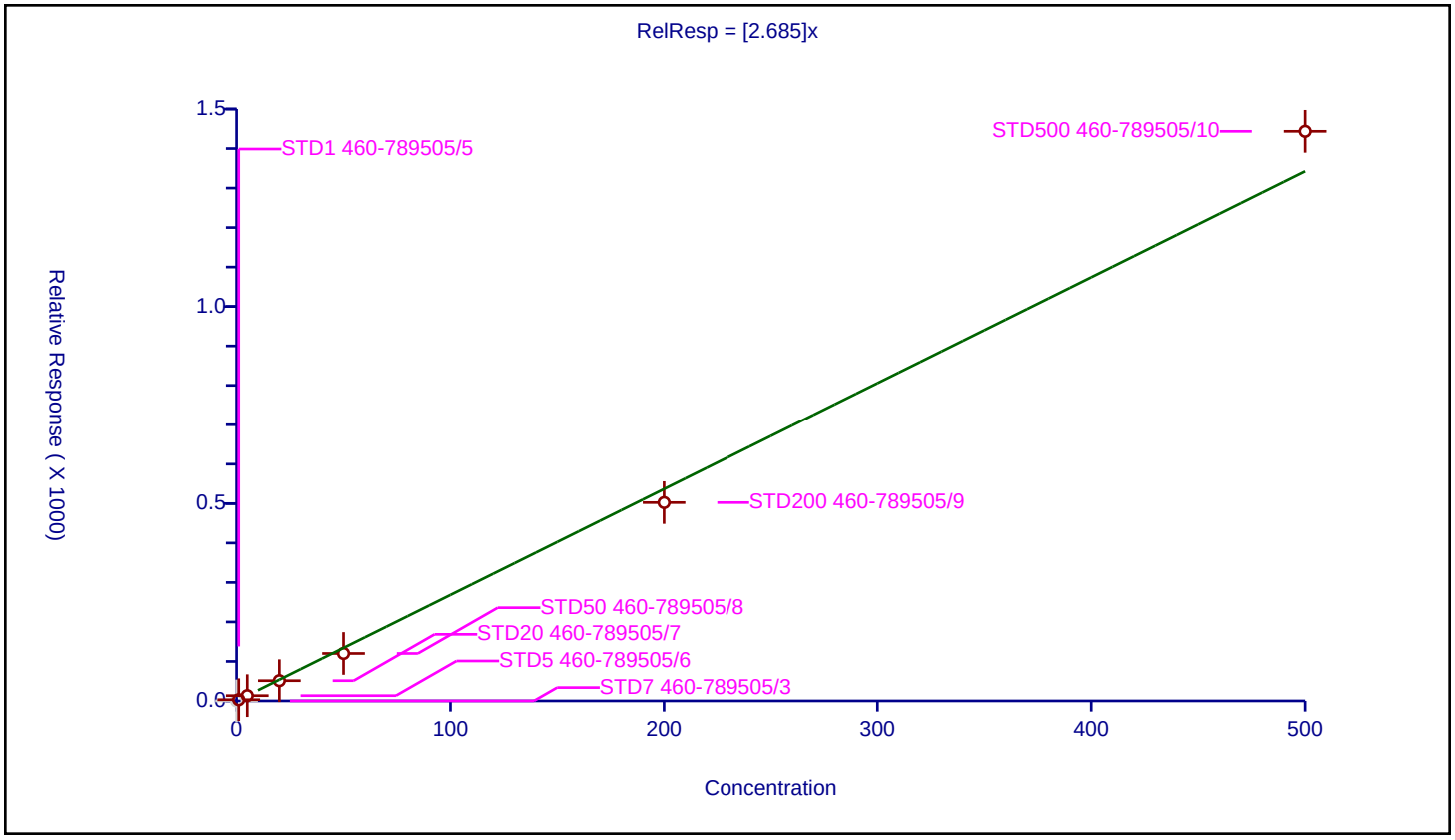
Curve Coefficients

Intercept:	0
Slope:	2.685

Error Coefficients

Standard Error:	4620000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.07685	50.0	272974.0	3.07685	Y
3	STD5 460-789505/6	5.0	13.3387	50.0	275769.0	2.66774	Y
4	STD20 460-789505/7	20.0	51.240663	50.0	260788.0	2.562033	Y
5	STD50 460-789505/8	50.0	120.178187	50.0	288237.0	2.403564	Y
6	STD200 460-789505/9	200.0	502.607295	50.0	312853.0	2.513036	Y
7	STD500 460-789505/10	500.0	1443.617418	50.0	340262.0	2.887235	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

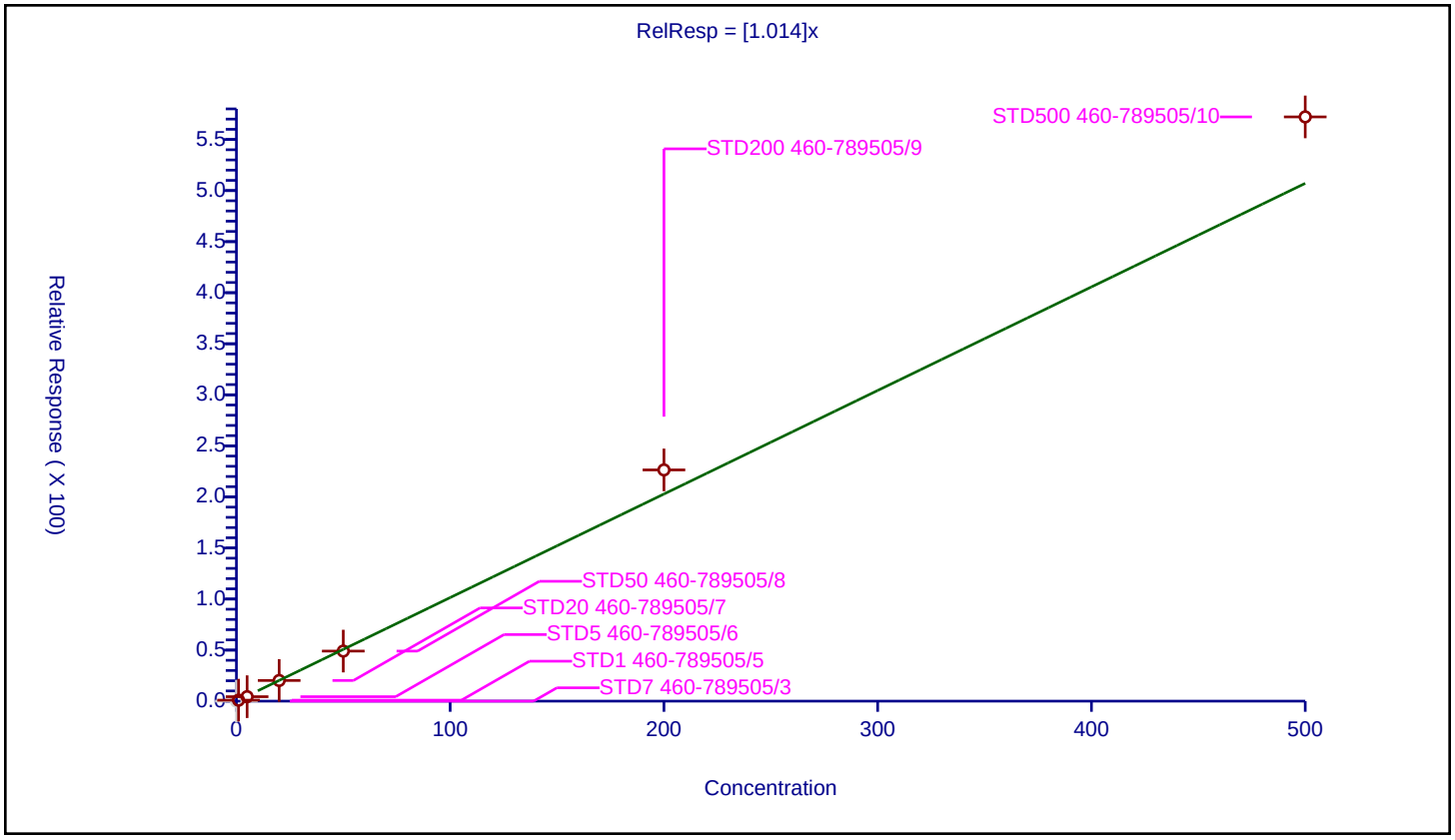
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.942031	50.0	272974.0	0.942031	Y
3	STD5 460-789505/6	5.0	4.375764	50.0	275769.0	0.875153	Y
4	STD20 460-789505/7	20.0	20.215846	50.0	260788.0	1.010792	Y
5	STD50 460-789505/8	50.0	49.011751	50.0	288237.0	0.980235	Y
6	STD200 460-789505/9	200.0	226.447405	50.0	312853.0	1.132237	Y
7	STD500 460-789505/10	500.0	572.16013	50.0	340262.0	1.14432	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

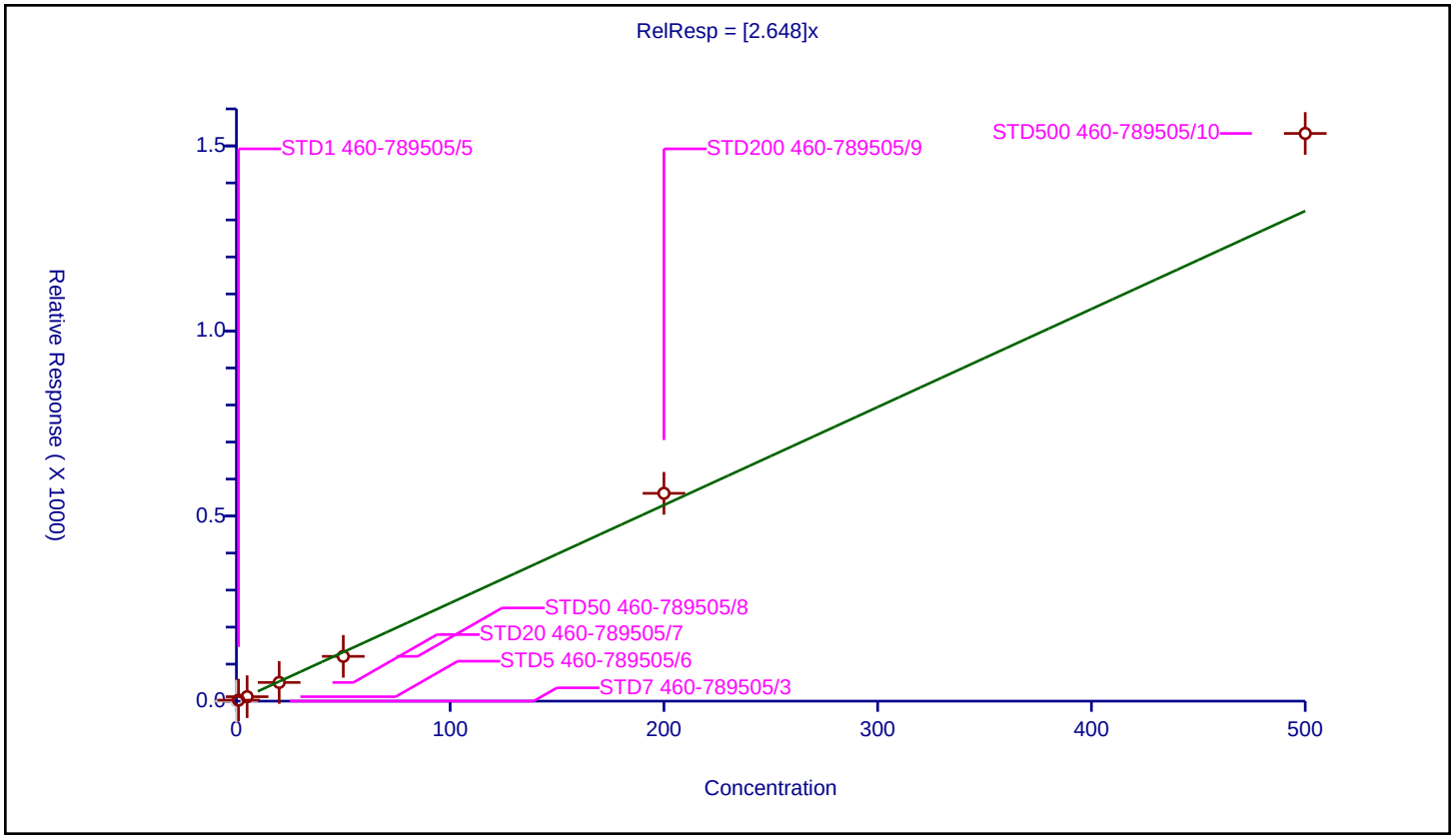
Curve Coefficients

Intercept:	0
Slope:	2.648

Error Coefficients

Standard Error:	4940000
Relative Standard Error:	9.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.67846	50.0	272974.0	2.67846	Y
3	STD5 460-789505/6	5.0	11.975784	50.0	275769.0	2.395157	Y
4	STD20 460-789505/7	20.0	50.452667	50.0	260788.0	2.522633	Y
5	STD50 460-789505/8	50.0	120.974927	50.0	288237.0	2.419499	Y
6	STD200 460-789505/9	200.0	561.432206	50.0	312853.0	2.807161	Y
7	STD500 460-789505/10	500.0	1533.672141	50.0	340262.0	3.067344	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

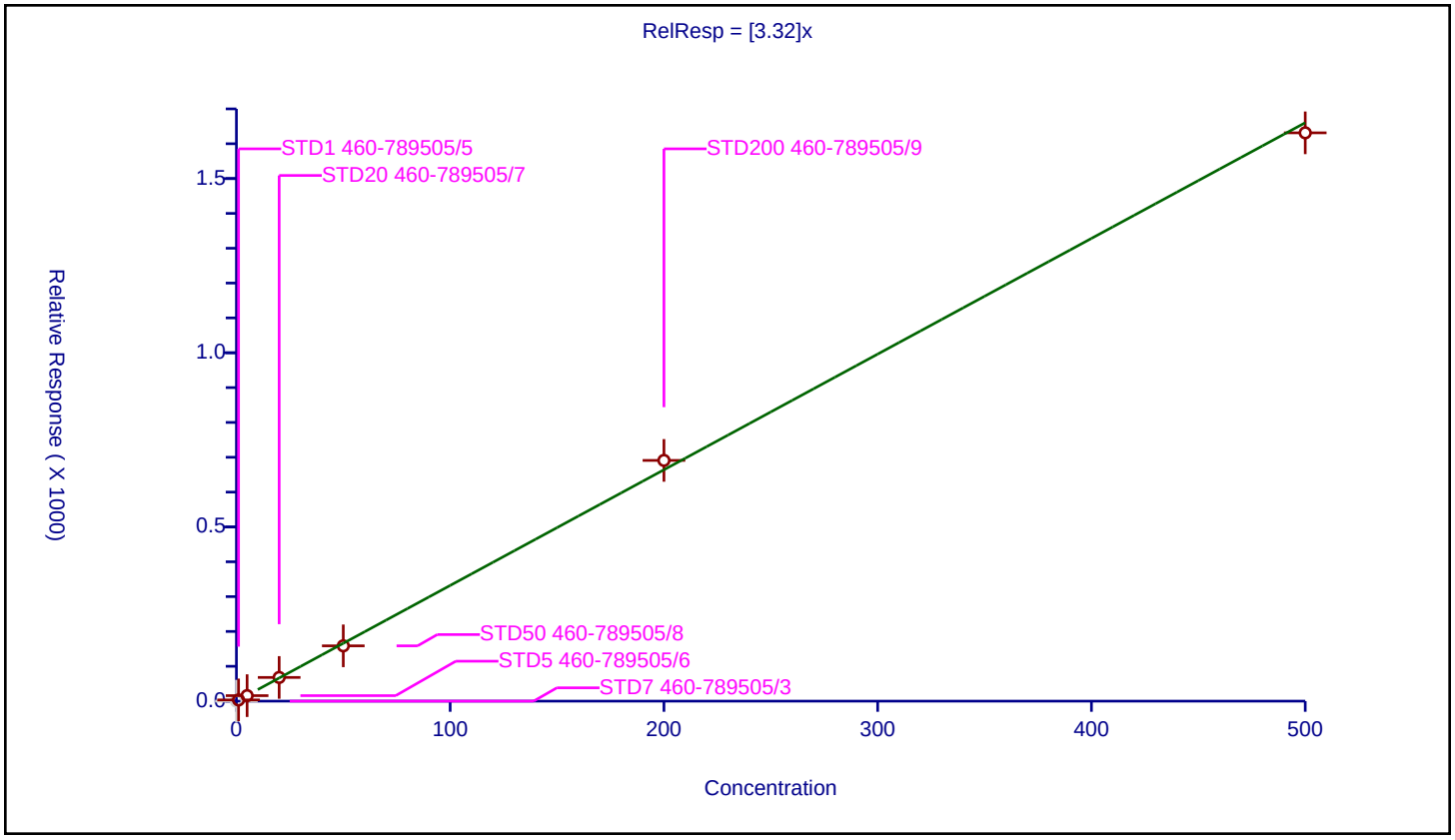
Curve Coefficients

Intercept:	0
Slope:	3.32

Error Coefficients

Standard Error:	5350000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.479269	50.0	272974.0	3.479269	Y
3	STD5 460-789505/6	5.0	15.756303	50.0	275769.0	3.151261	Y
4	STD20 460-789505/7	20.0	68.006772	50.0	260788.0	3.400339	Y
5	STD50 460-789505/8	50.0	158.738816	50.0	288237.0	3.174776	Y
6	STD200 460-789505/9	200.0	690.964447	50.0	312853.0	3.454822	Y
7	STD500 460-789505/10	500.0	1631.232256	50.0	340262.0	3.262465	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

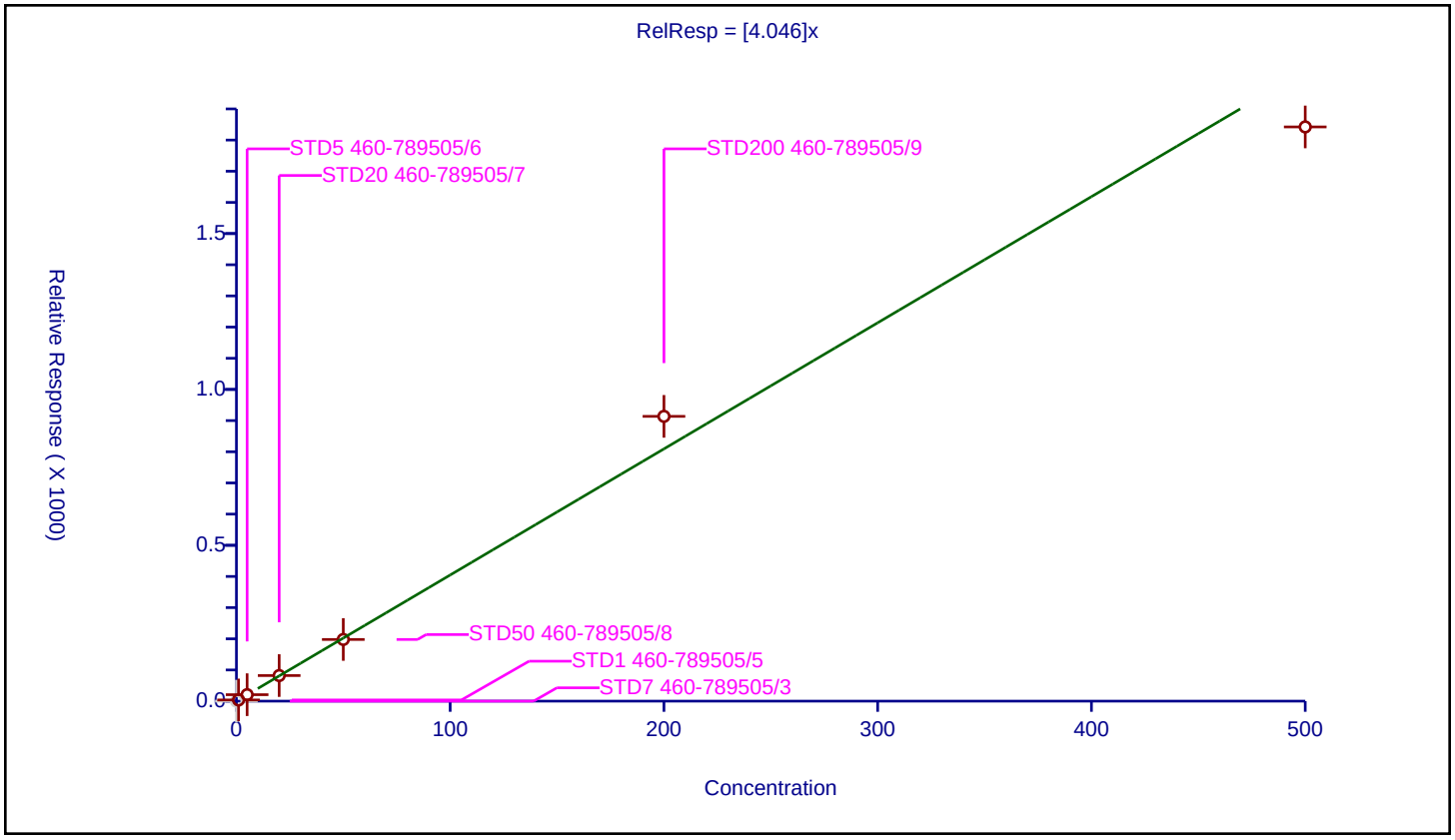
Curve Coefficients

Intercept:	0
Slope:	4.046

Error Coefficients

Standard Error:	6190000
Relative Standard Error:	7.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.827471	50.0	272974.0	3.827471	Y
3	STD5 460-789505/6	5.0	20.687061	50.0	275769.0	4.137412	Y
4	STD20 460-789505/7	20.0	82.033299	50.0	260788.0	4.101665	Y
5	STD50 460-789505/8	50.0	197.866686	50.0	288237.0	3.957334	Y
6	STD200 460-789505/9	200.0	913.663126	50.0	312853.0	4.568316	Y
7	STD500 460-789505/10	500.0	1842.118279	50.0	340262.0	3.684237	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

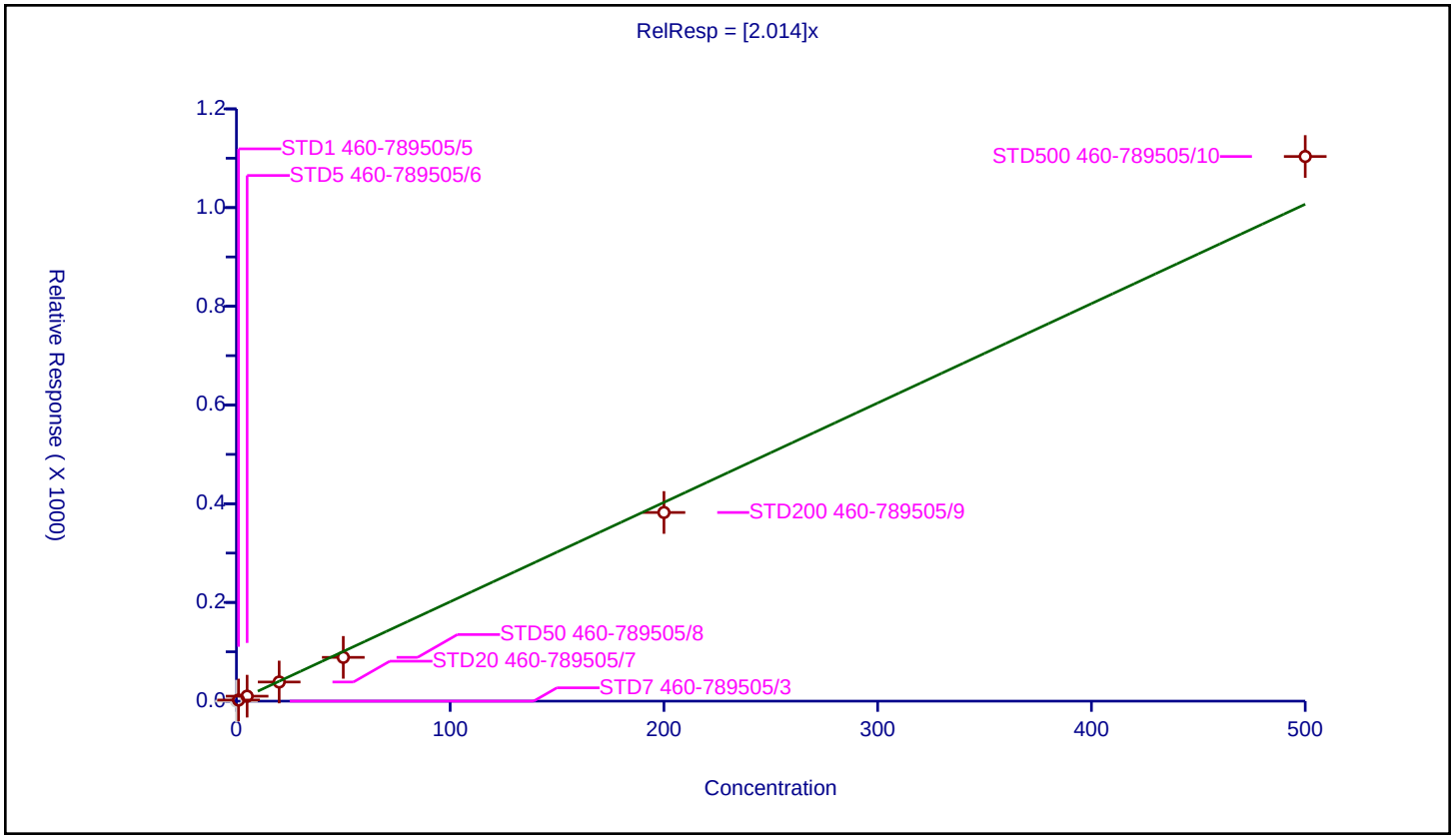
Curve Coefficients

Intercept:	0
Slope:	2.014

Error Coefficients

Standard Error:	3530000
Relative Standard Error:	8.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.237209	50.0	272974.0	2.237209	Y
3	STD5 460-789505/6	5.0	10.069478	50.0	275769.0	2.013896	Y
4	STD20 460-789505/7	20.0	38.762903	50.0	260788.0	1.938145	Y
5	STD50 460-789505/8	50.0	88.714148	50.0	288237.0	1.774283	Y
6	STD200 460-789505/9	200.0	382.281455	50.0	312853.0	1.911407	Y
7	STD500 460-789505/10	500.0	1103.55094	50.0	340262.0	2.207102	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

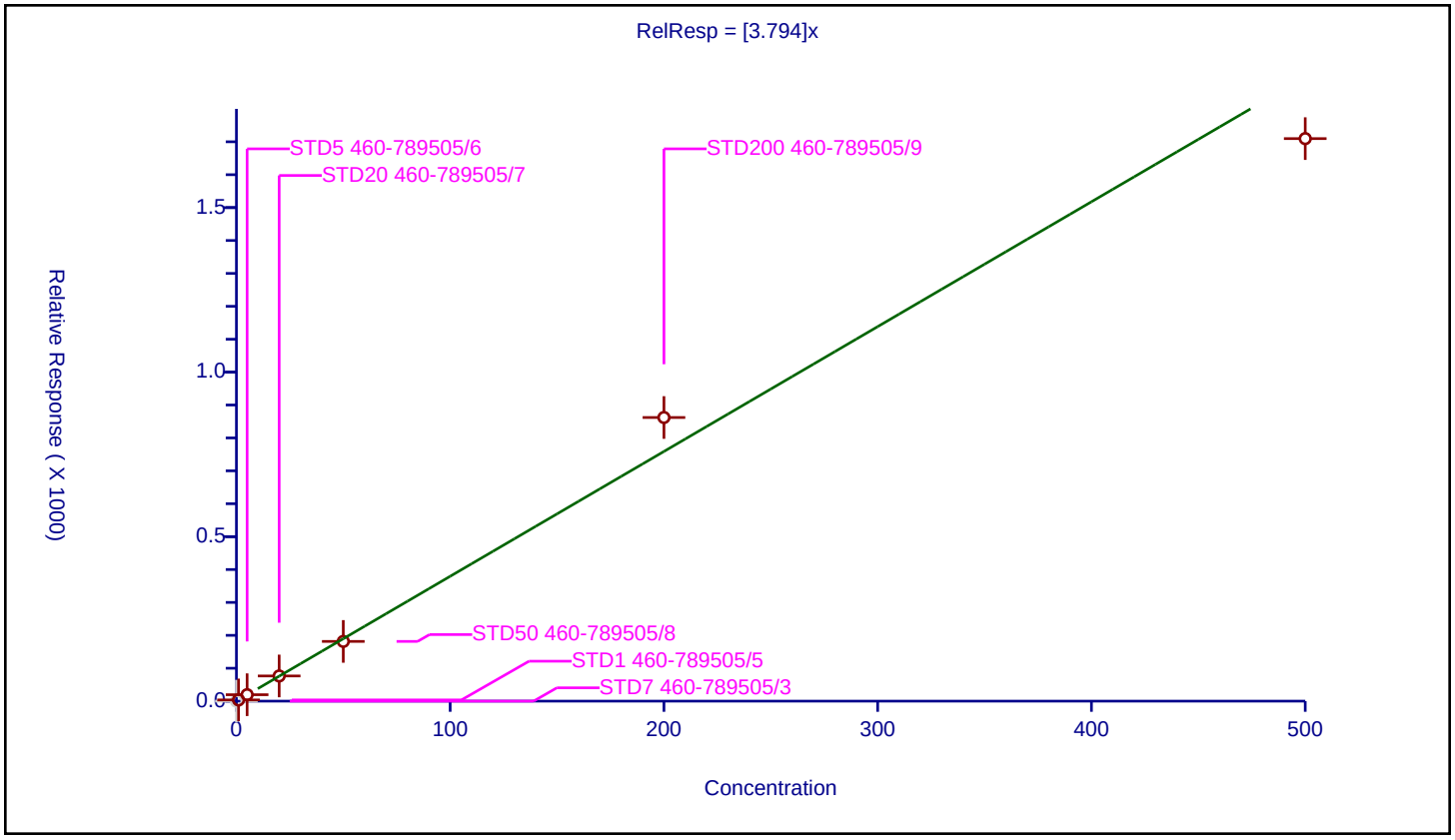
Curve Coefficients

Intercept:	0
Slope:	3.794

Error Coefficients

Standard Error:	5760000
Relative Standard Error:	8.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.664452	50.0	272974.0	3.664452	Y
3	STD5 460-789505/6	5.0	19.574173	50.0	275769.0	3.914835	Y
4	STD20 460-789505/7	20.0	76.520967	50.0	260788.0	3.826048	Y
5	STD50 460-789505/8	50.0	181.547303	50.0	288237.0	3.630946	Y
6	STD200 460-789505/9	200.0	862.037602	50.0	312853.0	4.310188	Y
7	STD500 460-789505/10	500.0	1709.654619	50.0	340262.0	3.419309	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

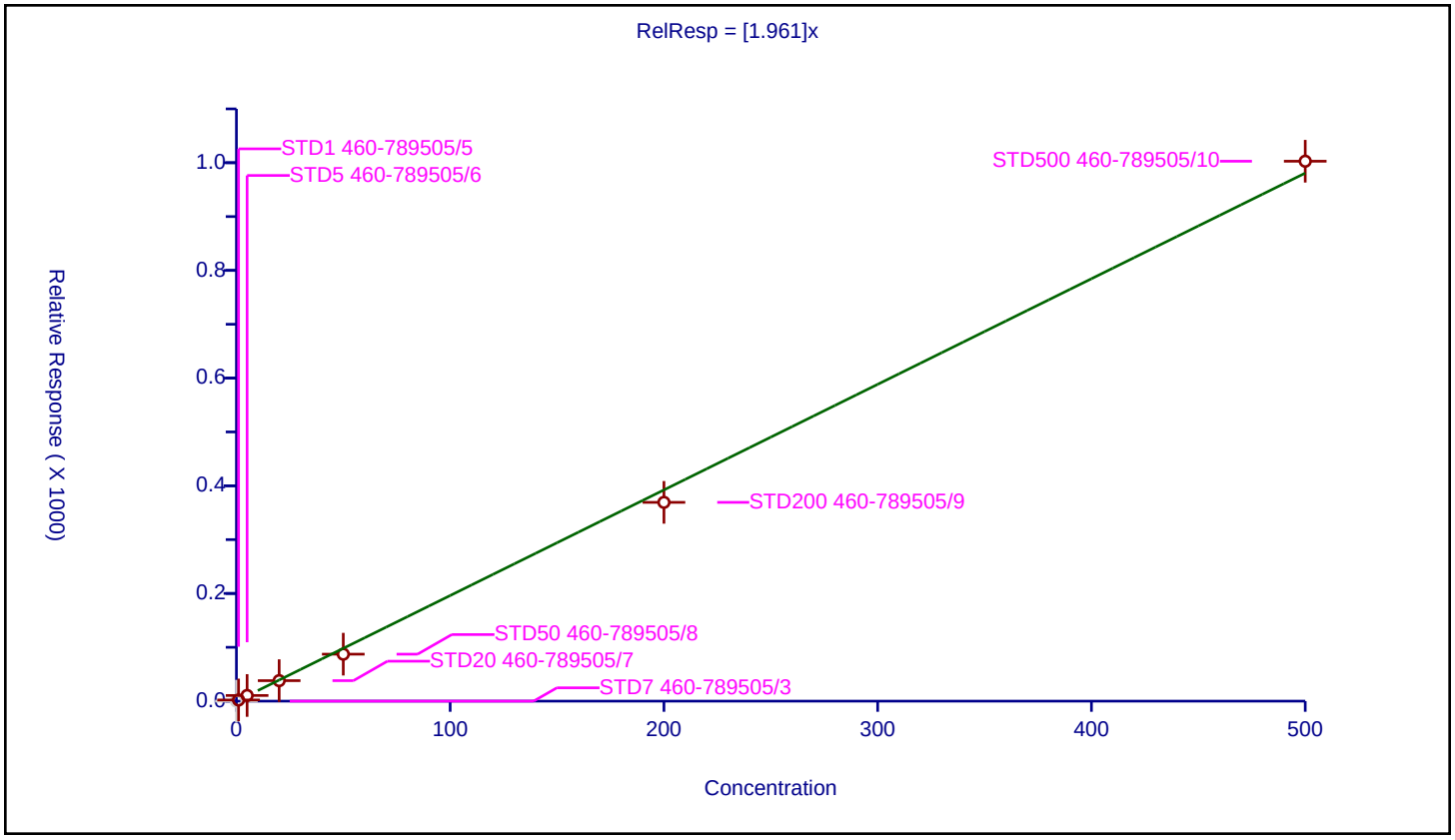
Curve Coefficients

Intercept:	0
Slope:	1.961

Error Coefficients

Standard Error:	3230000
Relative Standard Error:	8.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.162111	50.0	272974.0	2.162111	Y
3	STD5 460-789505/6	5.0	10.529284	50.0	275769.0	2.105857	Y
4	STD20 460-789505/7	20.0	38.068278	50.0	260788.0	1.903414	Y
5	STD50 460-789505/8	50.0	87.258922	50.0	288237.0	1.745178	Y
6	STD200 460-789505/9	200.0	369.230118	50.0	312853.0	1.846151	Y
7	STD500 460-789505/10	500.0	1002.779476	50.0	340262.0	2.005559	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

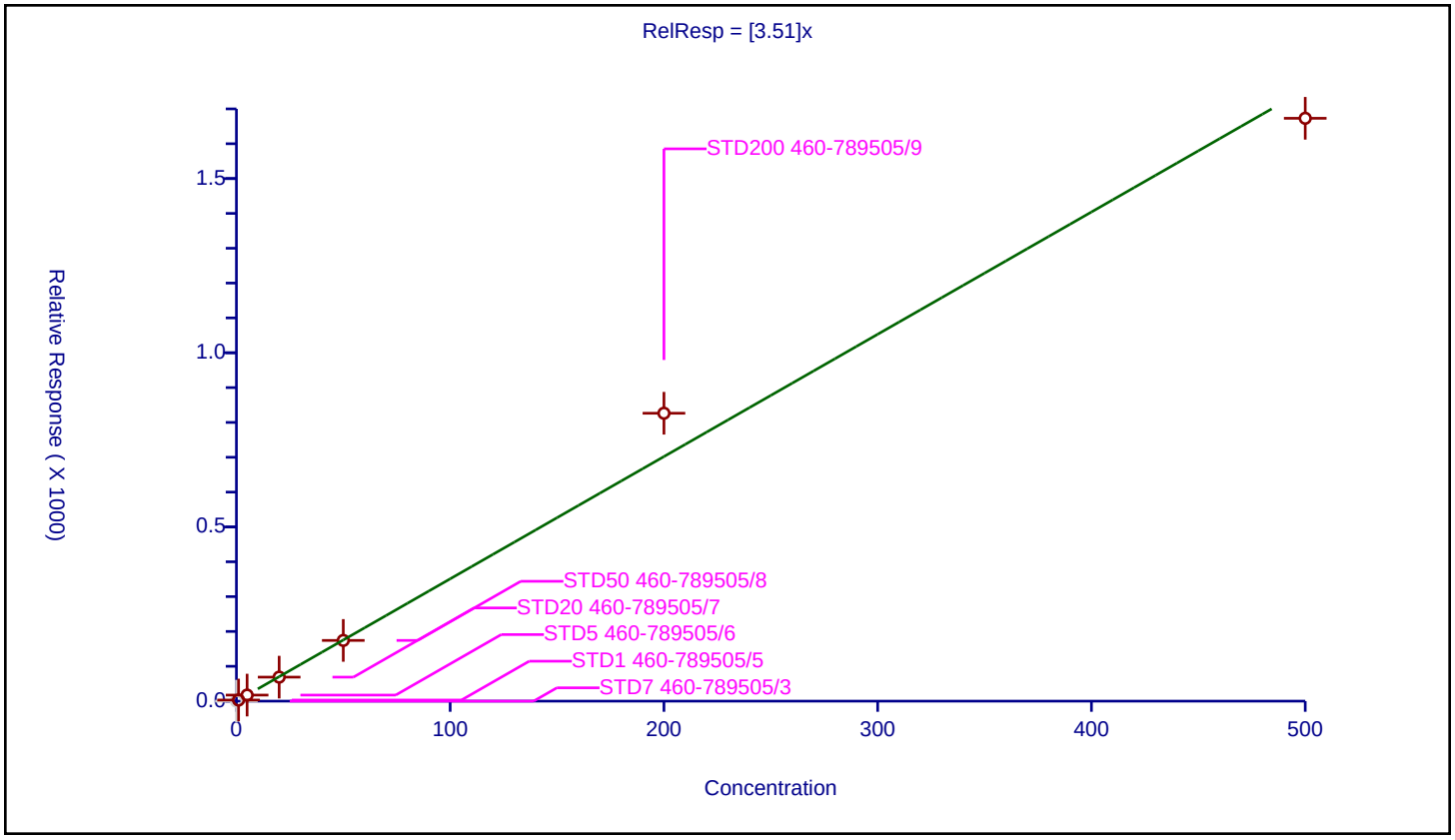
Curve Coefficients

Intercept:	0
Slope:	3.51

Error Coefficients

Standard Error:	5610000
Relative Standard Error:	9.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.171731	50.0	272974.0	3.171731	Y
3	STD5 460-789505/6	5.0	17.391549	50.0	275769.0	3.47831	Y
4	STD20 460-789505/7	20.0	68.955243	50.0	260788.0	3.447762	Y
5	STD50 460-789505/8	50.0	174.260938	50.0	288237.0	3.485219	Y
6	STD200 460-789505/9	200.0	826.362061	50.0	312853.0	4.13181	Y
7	STD500 460-789505/10	500.0	1673.043126	50.0	340262.0	3.346086	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

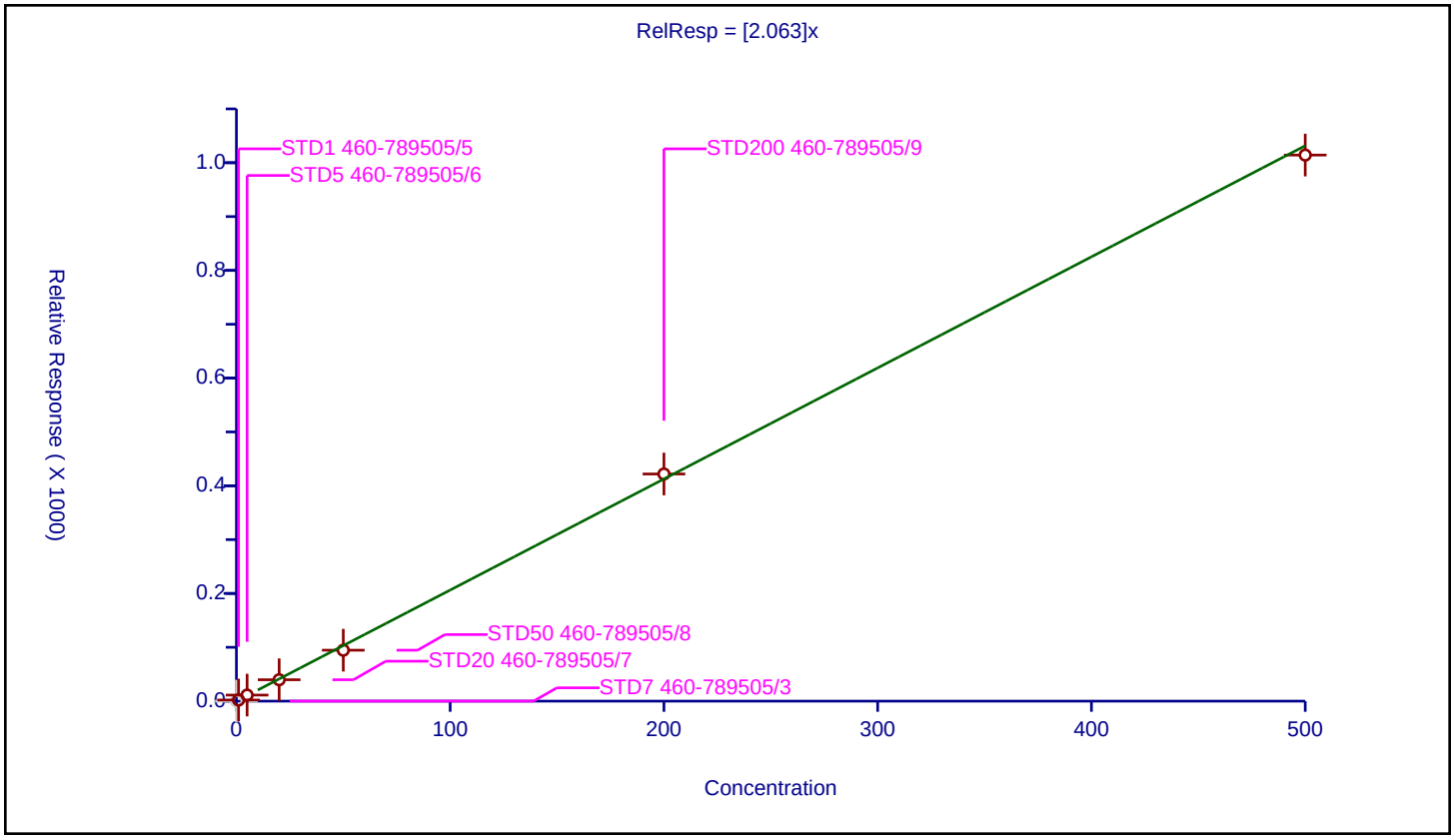
Curve Coefficients

Intercept:	0
Slope:	2.063

Error Coefficients

Standard Error:	3310000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.11467	50.0	272974.0	2.11467	Y
3	STD5 460-789505/6	5.0	11.235853	50.0	275769.0	2.247171	Y
4	STD20 460-789505/7	20.0	39.742626	50.0	260788.0	1.987131	Y
5	STD50 460-789505/8	50.0	94.590563	50.0	288237.0	1.891811	Y
6	STD200 460-789505/9	200.0	421.891431	50.0	312853.0	2.109457	Y
7	STD500 460-789505/10	500.0	1014.221835	50.0	340262.0	2.028444	Y



Calibration / 2,3-Dihydroindene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

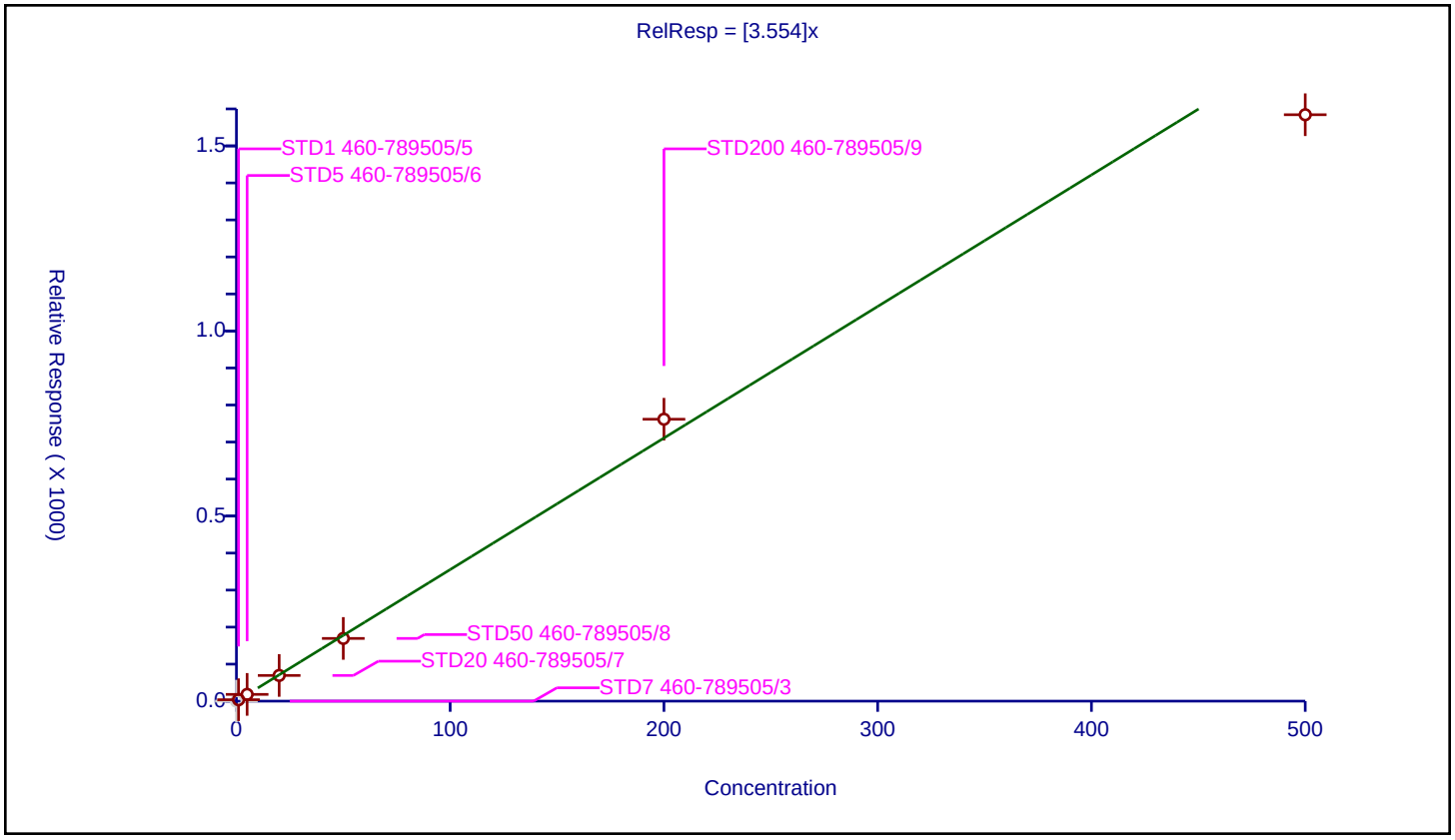
Curve Coefficients

Intercept:	0
Slope:	3.554

Error Coefficients

Standard Error:	5290000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.845604	50.0	272974.0	3.845604	Y
3	STD5 460-789505/6	5.0	18.220322	50.0	275769.0	3.644064	Y
4	STD20 460-789505/7	20.0	69.401966	50.0	260788.0	3.470098	Y
5	STD50 460-789505/8	50.0	169.418048	50.0	288237.0	3.388361	Y
6	STD200 460-789505/9	200.0	761.625748	50.0	312853.0	3.808129	Y
7	STD500 460-789505/10	500.0	1584.22686	50.0	340262.0	3.168454	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

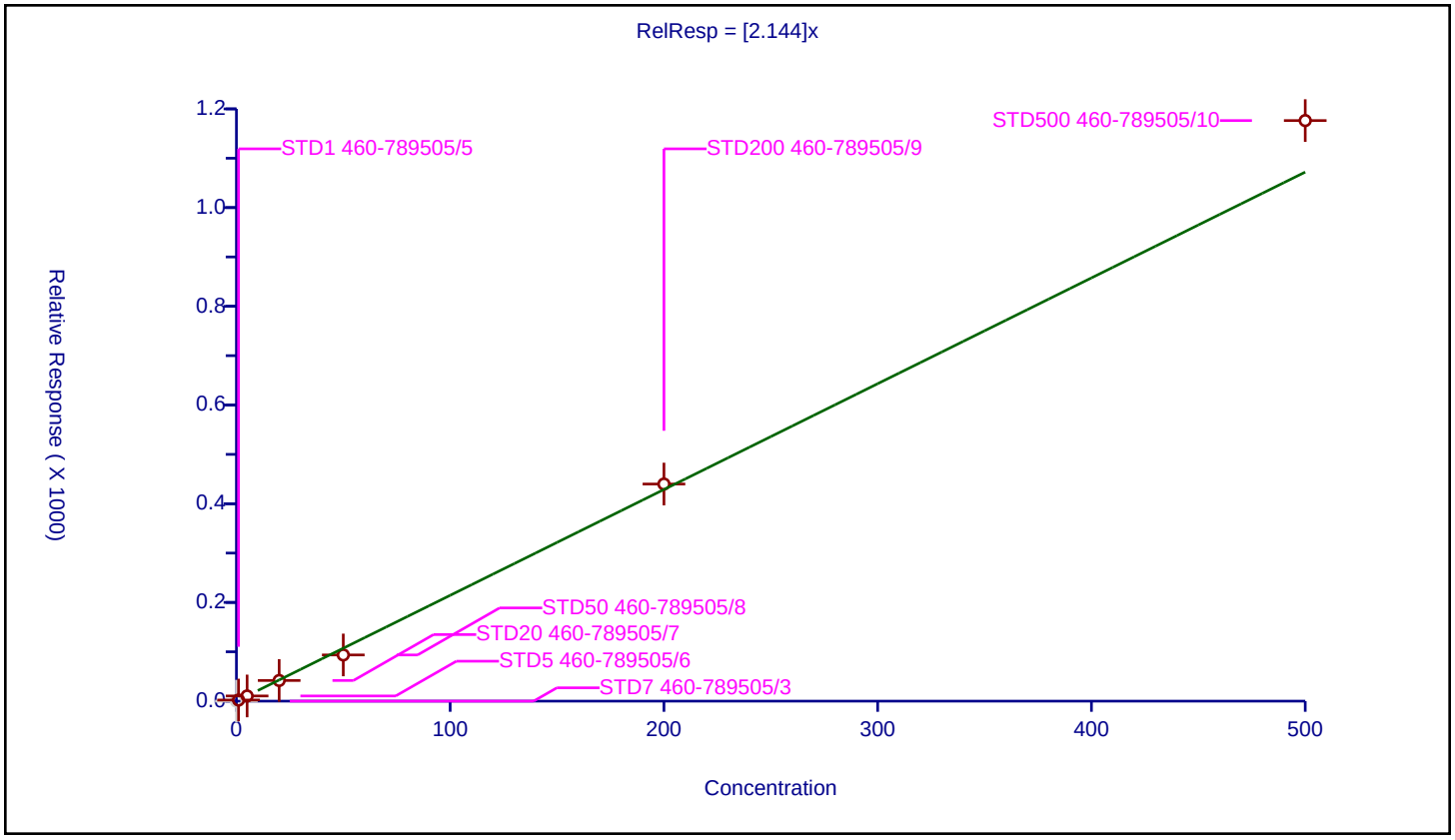
Curve Coefficients

Intercept:	0
Slope:	2.144

Error Coefficients

Standard Error:	3790000
Relative Standard Error:	7.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.252412	50.0	272974.0	2.252412	Y
3	STD5 460-789505/6	5.0	10.475434	50.0	275769.0	2.095087	Y
4	STD20 460-789505/7	20.0	41.828228	50.0	260788.0	2.091411	Y
5	STD50 460-789505/8	50.0	93.60613	50.0	288237.0	1.872123	Y
6	STD200 460-789505/9	200.0	439.907241	50.0	312853.0	2.199536	Y
7	STD500 460-789505/10	500.0	1176.305171	50.0	340262.0	2.35261	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

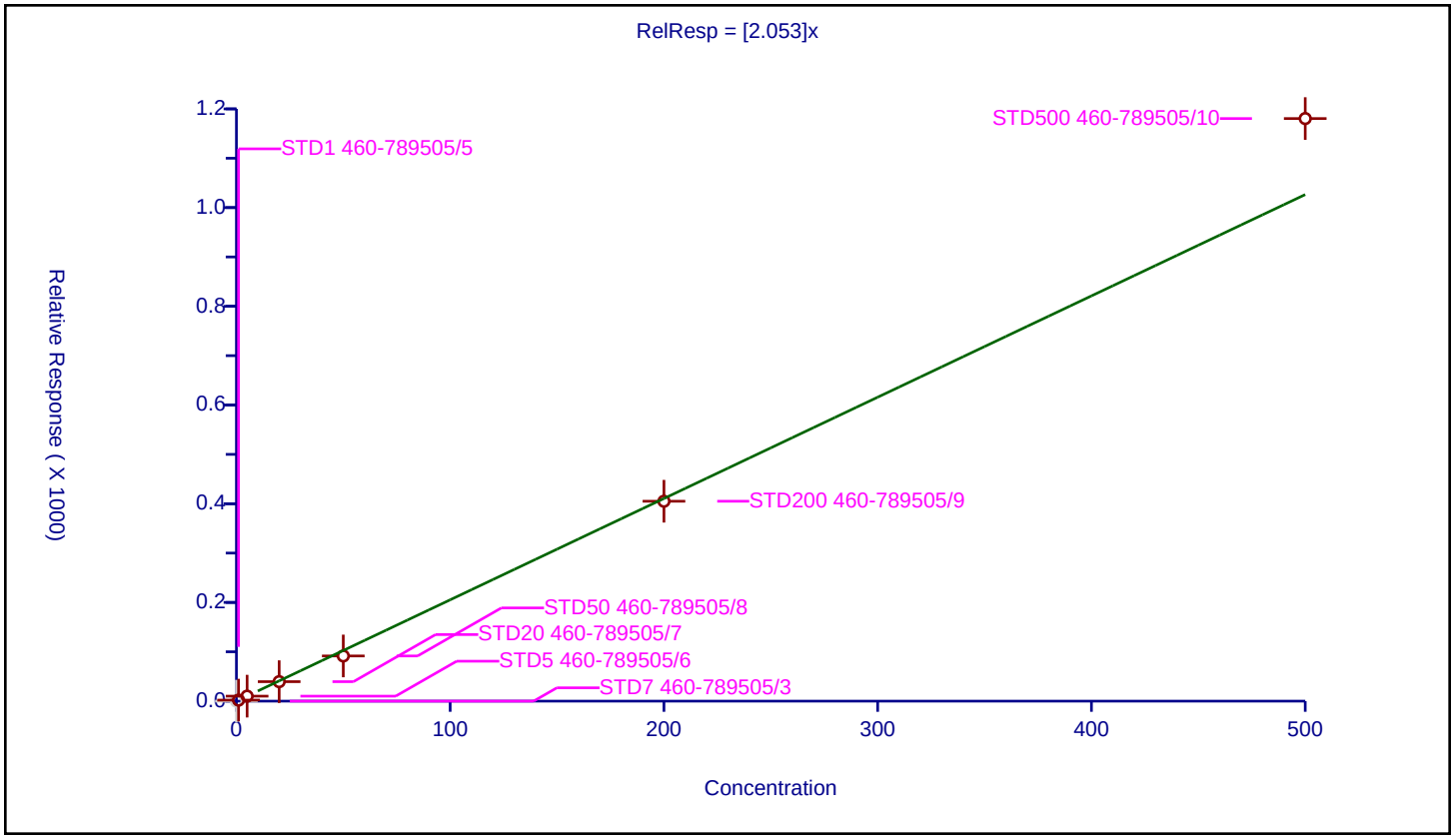
Curve Coefficients

Intercept:	0
Slope:	2.053

Error Coefficients

Standard Error:	3780000
Relative Standard Error:	8.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.096903	50.0	272974.0	2.096903	Y
3	STD5 460-789505/6	5.0	10.144723	50.0	275769.0	2.028945	Y
4	STD20 460-789505/7	20.0	39.47325	50.0	260788.0	1.973663	Y
5	STD50 460-789505/8	50.0	91.555387	50.0	288237.0	1.831108	Y
6	STD200 460-789505/9	200.0	405.029838	50.0	312853.0	2.025149	Y
7	STD500 460-789505/10	500.0	1180.392168	50.0	340262.0	2.360784	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

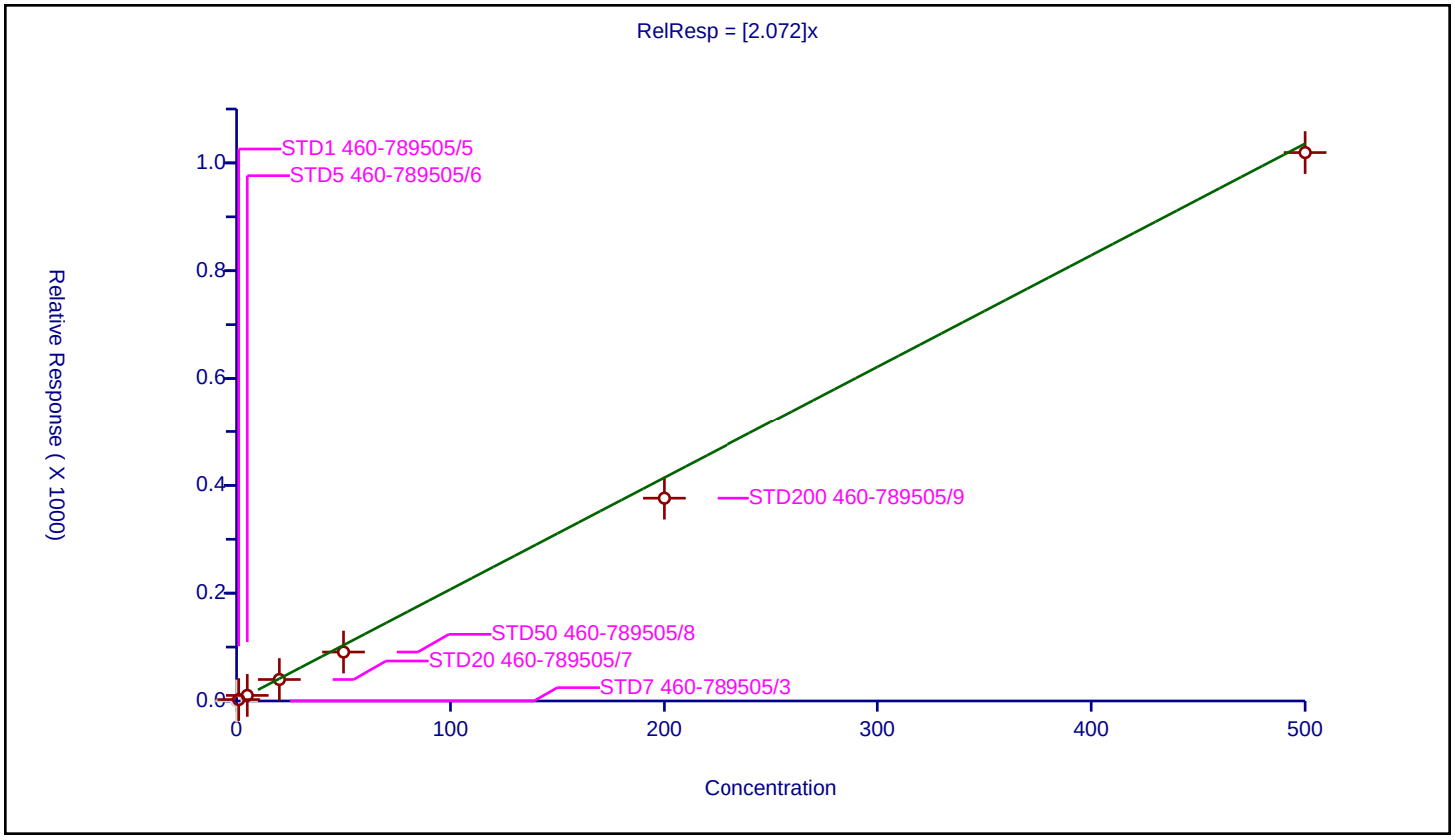
Curve Coefficients

Intercept:	0
Slope:	2.072

Error Coefficients

Standard Error:	3280000
Relative Standard Error:	14.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.628822	50.0	272974.0	2.628822	Y
3	STD5 460-789505/6	5.0	10.364109	50.0	275769.0	2.072822	Y
4	STD20 460-789505/7	20.0	39.845583	50.0	260788.0	1.992279	Y
5	STD50 460-789505/8	50.0	90.791606	50.0	288237.0	1.815832	Y
6	STD200 460-789505/9	200.0	376.246512	50.0	312853.0	1.881233	Y
7	STD500 460-789505/10	500.0	1019.197853	50.0	340262.0	2.038396	Y



Calibration / 1,2,4,5-Tetramethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

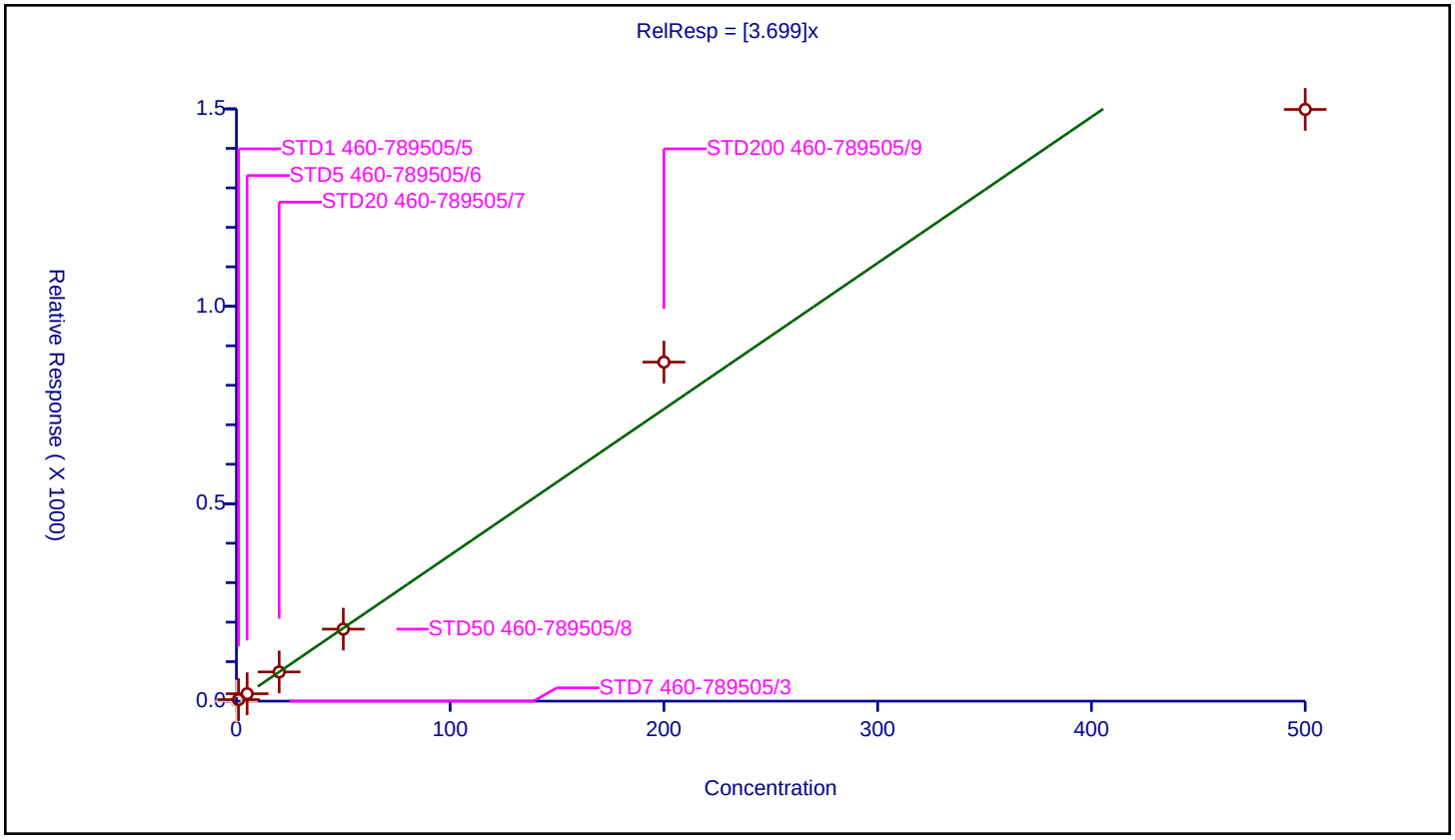
Curve Coefficients

Intercept:	0
Slope:	3.699

Error Coefficients

Standard Error:	5180000
Relative Standard Error:	11.2
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.801644	50.0	272974.0	3.801644	Y
3	STD5 460-789505/6	5.0	18.772959	50.0	275769.0	3.754592	Y
4	STD20 460-789505/7	20.0	73.991326	50.0	260788.0	3.699566	Y
5	STD50 460-789505/8	50.0	182.34439	50.0	288237.0	3.646888	Y
6	STD200 460-789505/9	200.0	858.715435	50.0	312853.0	4.293577	Y
7	STD500 460-789505/10	500.0	1498.666469	50.0	340262.0	2.997333	Y



Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

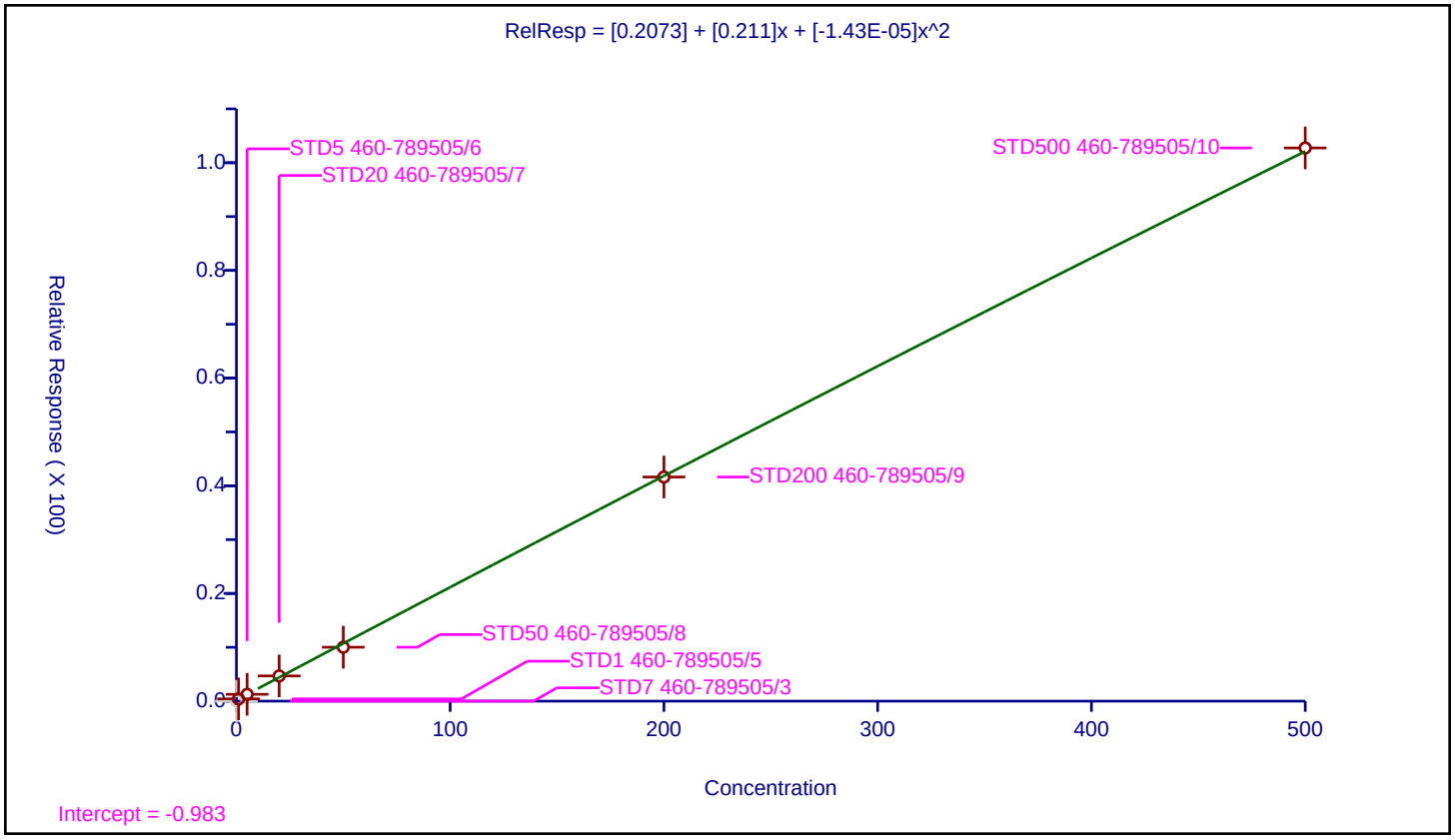
Curve Coefficients

Intercept:	0.2073
Slope:	0.211
Second Order:	-1.43E-05

Error Coefficients

Standard Error:	432000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.417622	50.0	272974.0	0.417622	Y
3	STD5 460-789505/6	5.0	1.268453	50.0	275769.0	0.253691	Y
4	STD20 460-789505/7	20.0	4.682923	50.0	260788.0	0.234146	Y
5	STD50 460-789505/8	50.0	10.014675	50.0	288237.0	0.200294	Y
6	STD200 460-789505/9	200.0	41.629455	50.0	312853.0	0.208147	Y
7	STD500 460-789505/10	500.0	102.743915	50.0	340262.0	0.205488	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

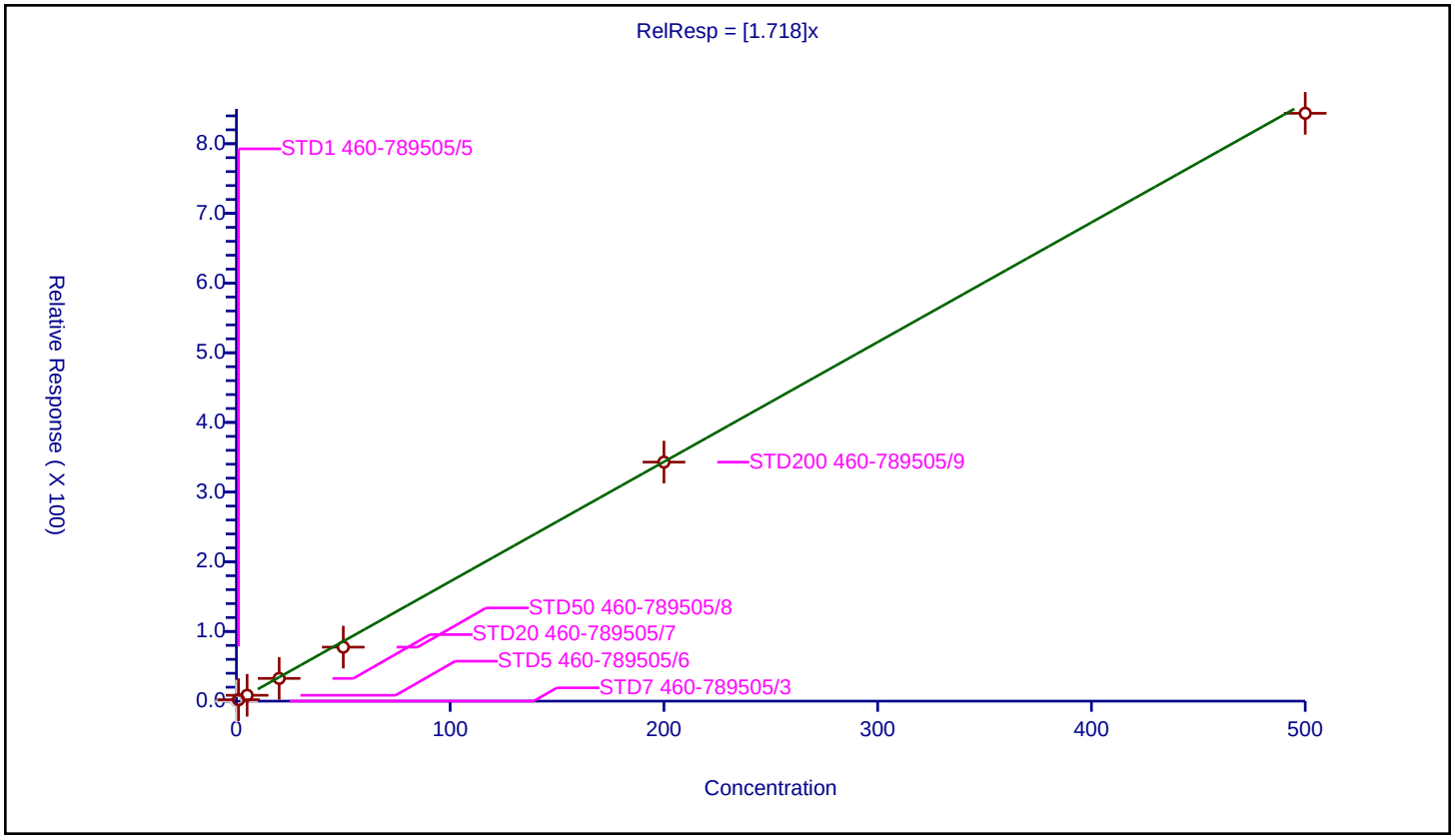
Curve Coefficients

Intercept:	0
Slope:	1.718

Error Coefficients

Standard Error:	2750000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	2.036458	50.0	272974.0	2.036458	Y
3	STD5 460-789505/6	5.0	8.423354	50.0	275769.0	1.684671	Y
4	STD20 460-789505/7	20.0	32.633787	50.0	260788.0	1.631689	Y
5	STD50 460-789505/8	50.0	77.484501	50.0	288237.0	1.54969	Y
6	STD200 460-789505/9	200.0	343.064315	50.0	312853.0	1.715322	Y
7	STD500 460-789505/10	500.0	843.688393	50.0	340262.0	1.687377	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

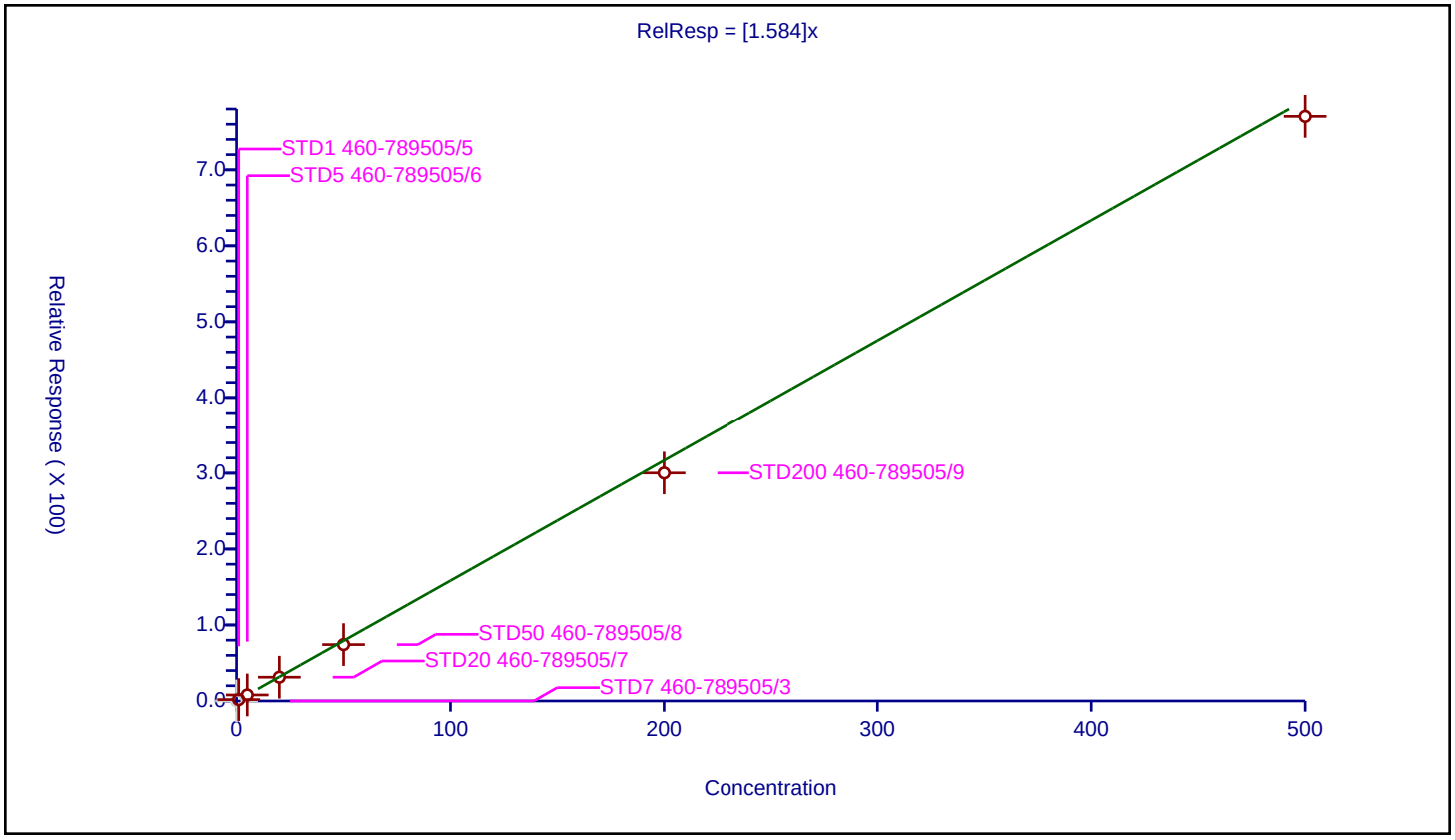
Curve Coefficients

Intercept:	0
Slope:	1.584

Error Coefficients

Standard Error:	2500000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	1.830211	50.0	272974.0	1.830211	Y
3	STD5 460-789505/6	5.0	7.919672	50.0	275769.0	1.583934	Y
4	STD20 460-789505/7	20.0	31.263133	50.0	260788.0	1.563157	Y
5	STD50 460-789505/8	50.0	74.181143	50.0	288237.0	1.483623	Y
6	STD200 460-789505/9	200.0	300.22167	50.0	312853.0	1.501108	Y
7	STD500 460-789505/10	500.0	770.367393	50.0	340262.0	1.540735	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

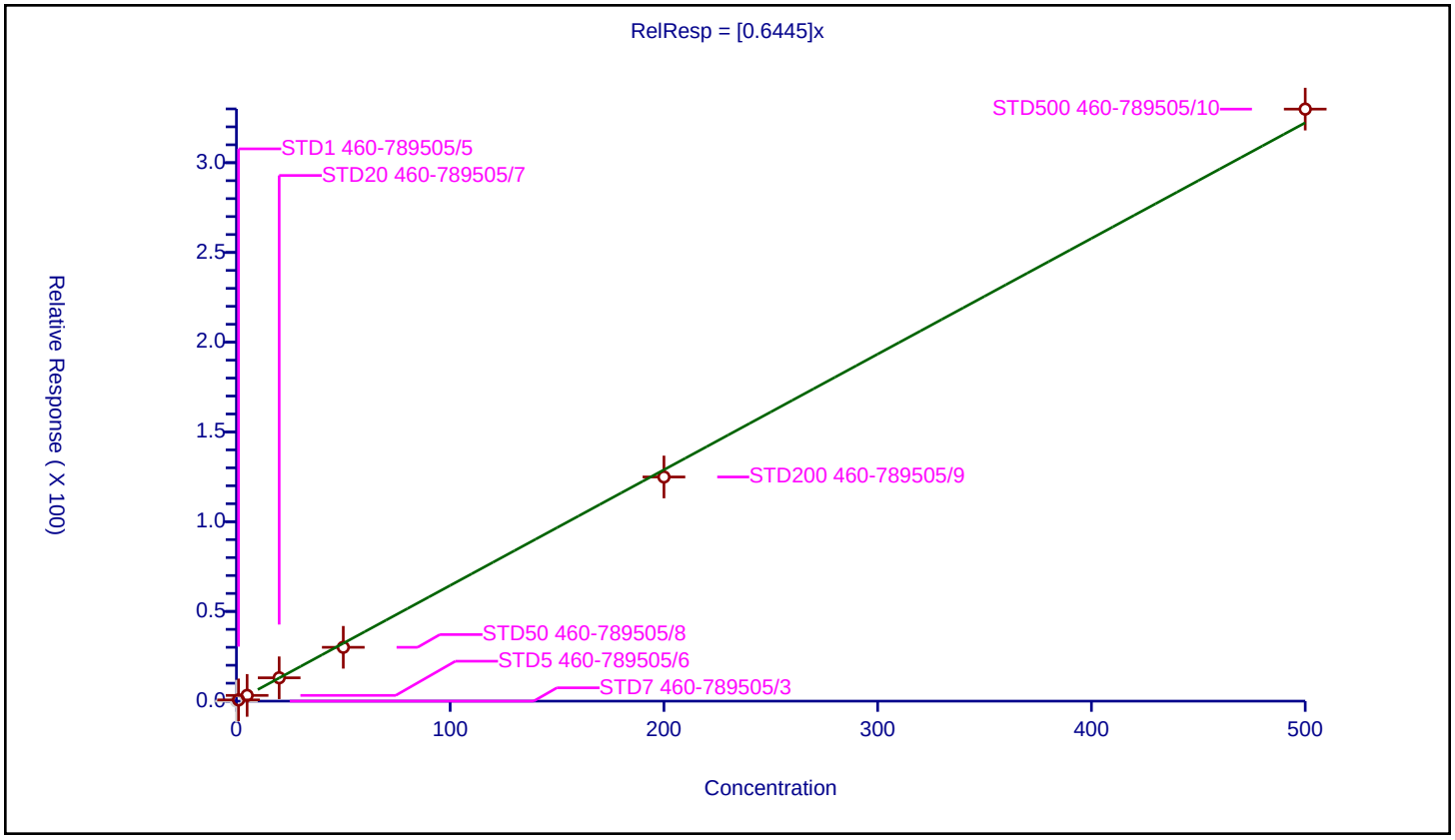
Curve Coefficients

Intercept:	0
Slope:	0.6445

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	4.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	0.69274	50.0	272974.0	0.69274	Y
3	STD5 460-789505/6	5.0	3.199598	50.0	275769.0	0.63992	Y
4	STD20 460-789505/7	20.0	13.005391	50.0	260788.0	0.65027	Y
5	STD50 460-789505/8	50.0	29.999618	50.0	288237.0	0.599992	Y
6	STD200 460-789505/9	200.0	124.907864	50.0	312853.0	0.624539	Y
7	STD500 460-789505/10	500.0	329.8783	50.0	340262.0	0.659757	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

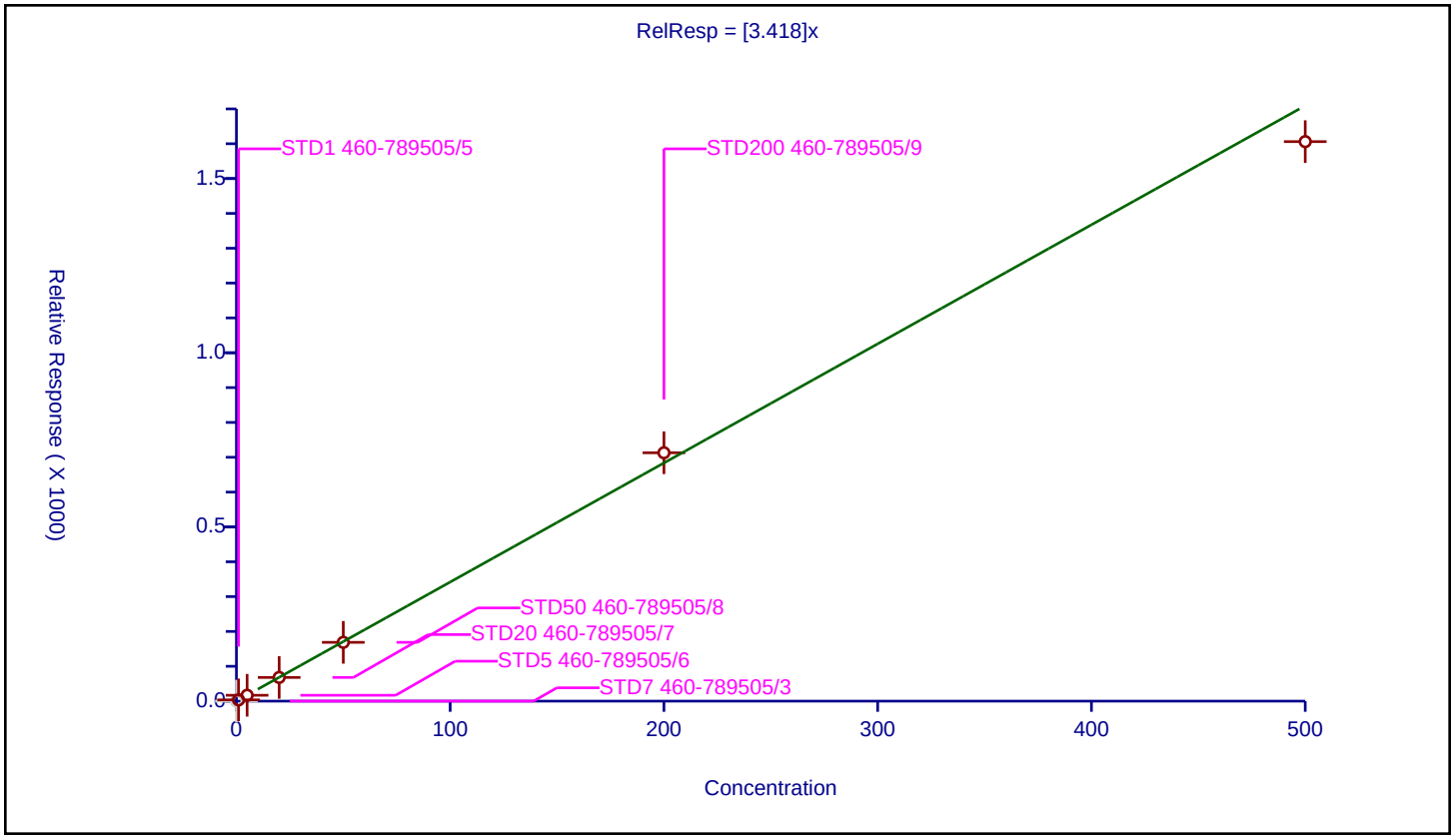
Curve Coefficients

Intercept:	0
Slope:	3.418

Error Coefficients

Standard Error:	5300000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	3.594298	50.0	272974.0	3.594298	Y
3	STD5 460-789505/6	5.0	16.82205	50.0	275769.0	3.36441	Y
4	STD20 460-789505/7	20.0	67.989708	50.0	260788.0	3.399485	Y
5	STD50 460-789505/8	50.0	168.780899	50.0	288237.0	3.375618	Y
6	STD200 460-789505/9	200.0	712.905262	50.0	312853.0	3.564526	Y
7	STD500 460-789505/10	500.0	1606.071204	50.0	340262.0	3.212142	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

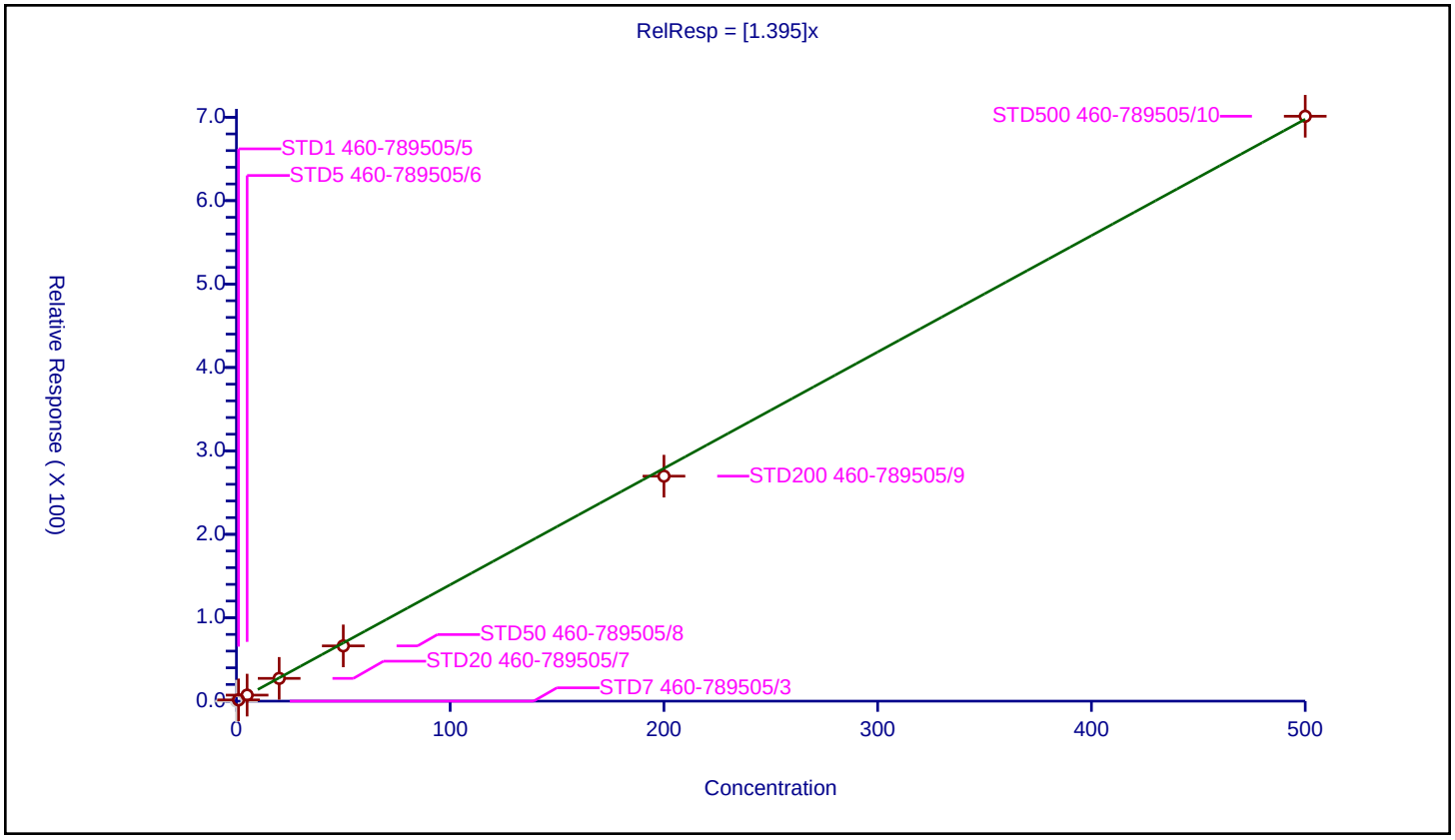
Curve Coefficients

Intercept:	0
Slope:	1.395

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	4.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-789505/3	0.0	0.0	50.0	253401.0	NaN	N
2	STD1 460-789505/5	1.0	1.487871	50.0	272974.0	1.487871	Y
3	STD5 460-789505/6	5.0	7.224344	50.0	275769.0	1.444869	Y
4	STD20 460-789505/7	20.0	27.269468	50.0	260788.0	1.363473	Y
5	STD50 460-789505/8	50.0	66.227792	50.0	288237.0	1.324556	Y
6	STD200 460-789505/9	200.0	269.709736	50.0	312853.0	1.348549	Y
7	STD500 460-789505/10	500.0	701.175271	50.0	340262.0	1.402351	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: ICV 460-789505/15 Calibration Date: 07/10/2021 13:16

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F16864.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.7147	0.6370	0.1000	17.8	20.0	-10.9	30.0
Chloromethane	Ave	0.7006	0.6705	0.1000	19.1	20.0	-4.3	30.0
Vinyl chloride	Ave	0.6523	0.6476	0.1000	19.9	20.0	-0.7	30.0
Butadiene	Ave	0.7225	0.6767		18.7	20.0	-6.3	30.0
Bromomethane	Ave	0.5375	0.5002	0.1000	18.6	20.0	-6.9	30.0
Chloroethane	Ave	0.3933	0.3754	0.1000	19.1	20.0	-4.6	30.0
Dichlorofluoromethane	Ave	1.007	1.019		20.2	20.0	1.1	30.0
Pentane	Ave	2.832	2.390		33.7	40.0	-15.6	30.0
Trichlorofluoromethane	Ave	0.9400	0.8644	0.1000	18.4	20.0	-8.0	30.0
Ethyl ether	Ave	0.3088	0.2542		16.5	20.0	-17.7	30.0
Ethanol	Ave	0.0421	0.0100		190	800	-76.2*	30.0
2-Methyl-1,3-butadiene	Ave	0.3876	0.3405		17.6	20.0	-12.1	30.0
Cyclopentene	Ave	0.8507	0.9625		22.6	20.0	13.1	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.4140	0.4065		19.6	20.0	-1.8	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.5792	0.5440		18.8	20.0	-6.1	30.0
Acrolein	Ave	1.442	1.124		31.2	40.1	-22.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4469	0.4239	0.1000	19.0	20.0	-5.1	30.0
1,1-Dichloroethene	Ave	0.3627	0.3463	0.1000	19.1	20.0	-4.5	30.0
Acetone	Ave	0.9493	0.8531	0.0500	89.9	100	-10.1	30.0
Iodomethane	Ave	0.7811	0.7008		17.9	20.0	-10.3	30.0
Isopropyl alcohol	Ave	0.4736	0.4200		177	200	-11.3	30.0
Carbon disulfide	Ave	1.341	1.282	0.1000	19.1	20.0	-4.4	30.0
3-Chloro-1-propene	Ave	0.6605	0.6750		20.4	20.0	2.2	30.0
Methyl acetate	Ave	0.2769	0.2652	0.1000	38.3	40.0	-4.2	30.0
Acetonitrile	QuaF		1.675		208	200	4.2	30.0
Methylene Chloride	Ave	0.4156	0.3880	0.1000	18.7	20.0	-6.6	30.0
2-Methyl-2-propanol	Ave	1.338	1.358		203	200	1.5	30.0
Methyl tert-butyl ether	Ave	1.268	1.120	0.1000	17.7	20.0	-11.7	30.0
trans-1,2-Dichloroethene	Lin2		0.3594	0.1000	20.1	20.0	0.3	30.0
Acrylonitrile	Ave	0.1394	0.1306		187	200	-6.3	30.0
Hexane	Ave	0.3401	0.3294		19.4	20.0	-3.2	30.0
Isopropyl ether	Ave	1.209	1.106		18.3	20.0	-8.5	30.0
1,1-Dichloroethane	Ave	0.6809	0.6215	0.2000	18.3	20.0	-8.7	30.0
Vinyl acetate	Lin2		0.0637		32.2	40.0	-19.6	30.0
2-Chloro-1,3-butadiene	Lin2		0.2841		18.6	20.0	-6.8	30.0
Tert-butyl ethyl ether	Ave	1.238	1.184		19.1	20.0	-4.4	30.0
2,2-Dichloropropane	Ave	0.1426	0.1476		20.7	20.0	3.5	30.0
cis-1,2-Dichloroethene	Ave	0.4106	0.3738	0.1000	18.2	20.0	-9.0	30.0
2-Butanone (MEK)	Ave	0.2715	0.2656	0.0500	97.9	100	-2.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: ICV 460-789505/15 Calibration Date: 07/10/2021 13:16

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F16864.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl acetate	QuaF		0.2416		38.7	40.0	-3.1	30.0
Methyl acrylate	Ave	0.3500	0.3396		19.4	20.0	-3.0	30.0
Propionitrile	Ave	1.425	1.413		198	200	-0.9	30.0
Chlorobromomethane	QuaF		0.1955		18.6	20.0	-7.1	30.0
Tetrahydrofuran	Ave	0.3856	0.3194		33.1	40.0	-17.2	30.0
Methacrylonitrile	Ave	0.1316	0.1280		194	200	-2.8	30.0
Chloroform	Ave	0.7206	0.6537	0.2000	18.1	20.0	-9.3	30.0
Cyclohexane	Ave	0.6304	0.5814	0.1000	18.4	20.0	-7.8	30.0
1,1,1-Trichloroethane	Ave	0.7592	0.6755	0.1000	17.8	20.0	-11.0	30.0
Carbon tetrachloride	Ave	0.6391	0.5728	0.1000	17.9	20.0	-10.4	30.0
1,1-Dichloropropene	Ave	0.5001	0.4447		17.8	20.0	-11.1	30.0
Isobutyl alcohol	QuaF		0.6984		408	500	-18.4	30.0
Benzene	Ave	1.722	1.641	0.5000	19.1	20.0	-4.7	30.0
Isopropyl acetate	Ave	1.154	1.188		20.6	20.0	2.9	30.0
Tert-amyl methyl ether	Ave	1.321	1.151		17.4	20.0	-12.9	30.0
1,2-Dichloroethane	Ave	0.6938	0.5937	0.1000	17.1	20.0	-14.4	30.0
n-Heptane	Ave	0.2472	0.2391		19.3	20.0	-3.3	30.0
n-Butanol	Ave	0.2172	0.1965		452	500	-9.5	30.0
Trichloroethene	Ave	0.3593	0.3147	0.2000	17.5	20.0	-12.4	30.0
Ethyl acrylate	Ave	0.9217	0.8000		17.4	20.0	-13.2	30.0
Methylcyclohexane	Ave	0.6714	0.6242	0.1000	18.6	20.0	-7.0	30.0
1,2-Dichloropropane	Ave	0.3306	0.2743	0.1000	16.6	20.0	-17.0	30.0
Methyl methacrylate	Ave	0.0996	0.0784		31.5	40.0	-21.3	30.0
1,4-Dioxane	Ave	0.9755	0.8070		331	400	-17.3	30.0
Dibromomethane	Ave	0.2293	0.2079		18.1	20.0	-9.3	30.0
n-Propyl acetate	Ave	0.4536	0.4120		18.2	20.0	-9.2	30.0
Dichlorobromomethane	Ave	0.5021	0.4290	0.2000	17.1	20.0	-14.6	30.0
2-Nitropropane	Qua2		0.1381		34.4	40.0	-13.9	30.0
2-Chloroethyl vinyl ether	Lin2		0.1462		17.5	20.0	-12.4	30.0
Epichlorohydrin	Ave	0.2321	0.3065		26.4	20.0	32.1*	30.0
cis-1,3-Dichloropropene	Ave	0.5922	0.5448	0.2000	18.4	20.0	-8.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.152	2.768	0.0500	87.8	100	-12.2	30.0
Toluene	Ave	1.901	1.763	0.4000	18.5	20.0	-7.3	30.0
trans-1,3-Dichloropropene	Ave	0.5669	0.4928	0.1000	17.4	20.0	-13.1	30.0
Ethyl methacrylate	Ave	0.5217	0.4962		19.0	20.0	-4.9	30.0
1,1,2-Trichloroethane	Ave	0.2885	0.2786	0.1000	19.3	20.0	-3.4	30.0
Tetrachloroethene	Ave	0.5213	0.4776	0.2000	18.3	20.0	-8.4	30.0
1,3-Dichloropropane	Ave	0.6030	0.5778		19.2	20.0	-4.2	30.0
2-Hexanone	Ave	1.980	1.692	0.0500	85.4	100	-14.6	30.0
n-Butyl acetate	Qua2		0.6935		19.4	20.0	-3.2	30.0
Chlorodibromomethane	Ave	0.4167	0.3904	0.1000	18.7	20.0	-6.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: ICV 460-789505/15 Calibration Date: 07/10/2021 13:16

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F16864.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Qua2		0.3369	0.1000	18.7	20.0	-6.7	30.0
Chlorobenzene	Ave	1.271	1.150	0.5000	18.1	20.0	-9.6	30.0
Ethylbenzene	Ave	0.7049	0.6454	0.1000	18.3	20.0	-8.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5567	0.4782		17.2	20.0	-14.1	30.0
m-Xylene & p-Xylene	Ave	0.8770	0.8342	0.1000	19.0	20.0	-4.9	30.0
n-Butyl acrylate	Ave	0.3609	0.3124		17.3	20.0	-13.4	30.0
o-Xylene	Ave	0.9198	0.8230	0.3000	17.9	20.0	-10.5	30.0
Styrene	Ave	1.483	1.344	0.3000	18.1	20.0	-9.4	30.0
Amyl acetate (mixed isomers)	Ave	1.650	1.420		17.2	20.0	-13.9	30.0
Bromoform	Ave	0.2761	0.2516	0.1000	18.2	20.0	-8.9	30.0
Isopropylbenzene	Ave	2.598	2.405	0.1000	18.5	20.0	-7.4	30.0
Bromobenzene	Ave	0.8746	0.7965		18.2	20.0	-8.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7415	0.7291	0.3000	19.7	20.0	-1.7	30.0
N-Propylbenzene	Ave	4.406	4.089		18.6	20.0	-7.2	30.0
1,2,3-Trichloropropane	Ave	0.2829	0.2571		18.2	20.0	-9.1	30.0
trans-1,4-Dichloro-2-butene	QuaF		0.0809		19.7	20.0	-1.7	30.0
2-Chlorotoluene	Ave	3.098	2.682		17.3	20.0	-13.4	30.0
4-Ethyltoluene	Ave	3.764	3.427		18.2	20.0	-8.9	30.0
1,3,5-Trimethylbenzene	Ave	3.237	2.881		17.8	20.0	-11.0	30.0
4-Chlorotoluene	Ave	2.685	2.394		17.8	20.0	-10.8	30.0
Butyl Methacrylate	Ave	1.014	0.9313		18.4	20.0	-8.2	30.0
tert-Butylbenzene	Ave	2.648	2.285		17.3	20.0	-13.7	30.0
1,2,4-Trimethylbenzene	Ave	3.320	3.078		18.5	20.0	-7.3	30.0
sec-Butylbenzene	Ave	4.046	3.725		18.4	20.0	-7.9	30.0
1,3-Dichlorobenzene	Ave	2.014	1.750	0.6000	17.4	20.0	-13.1	30.0
4-Isopropyltoluene	Ave	3.794	3.529		18.6	20.0	-7.0	30.0
1,4-Dichlorobenzene	Ave	1.961	1.852	0.5000	18.9	20.0	-5.6	30.0
1,2,3-Trimethylbenzene	Ave	3.510	3.221		18.4	20.0	-8.2	30.0
Benzyl chloride	Ave	2.063	1.879		18.2	20.0	-8.9	30.0
Indan	Ave	3.554	3.261		18.4	20.0	-8.2	30.0
p-Diethylbenzene	Ave	2.144	2.184		20.4	20.0	1.9	30.0
n-Butylbenzene	Ave	2.053	1.815		17.7	20.0	-11.6	30.0
1,2-Dichlorobenzene	Ave	2.072	1.768	0.4000	17.1	20.0	-14.7	30.0
1,2,4,5-Tetramethylbenzene	Ave	3.699	3.285		17.8	20.0	-11.2	30.0
1,2-Dibromo-3-Chloropropane	Qua2		0.2035	0.0500	18.3	20.0	-8.3	30.0
1,3,5-Trichlorobenzene	Ave	1.718	1.480		17.2	20.0	-13.8	30.0
1,2,4-Trichlorobenzene	Ave	1.584	1.389	0.2000	17.5	20.0	-12.3	30.0
Hexachlorobutadiene	Ave	0.6445	0.5685		17.6	20.0	-11.8	30.0
Naphthalene	Ave	3.418	3.077		18.0	20.0	-10.0	30.0
1,2,3-Trichlorobenzene	Ave	1.395	1.274		18.3	20.0	-8.7	30.0
Dibromofluoromethane (Surr)	Ave	0.2938	0.2814		47.9	50.0	-4.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: ICV 460-789505/15 Calibration Date: 07/10/2021 13:16

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F16864.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.4594	0.4374		47.6	50.0	-4.8	30.0
Toluene-d8 (Surr)	Ave	1.285	1.342		52.2	50.0	4.4	30.0
4-Bromofluorobenzene	Ave	0.4628	0.4909		53.0	50.0	6.1	30.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16864.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 10-Jul-2021 13:16:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0131608-015
Operator ID: Instrument ID: CVOAMS6
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 15-Jul-2021 15:14:43 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1658

First Level Reviewer: xuyvo Date: 15-Jul-2021 15:14:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.549	1.541	0.008	70	143566	20.0	17.8	
2 Chloromethane	50	1.722	1.705	0.017	99	151121	20.0	19.1	
4 Butadiene	54	1.804	1.779	0.025	94	152515	20.0	18.7	
3 Vinyl chloride	62	1.796	1.779	0.017	92	145945	20.0	19.9	
5 Bromomethane	94	2.059	2.042	0.017	95	112743	20.0	18.6	
6 Chloroethane	64	2.100	2.092	0.008	98	84608	20.0	19.1	
7 Dichlorofluoromethane	67	2.272	2.264	0.008	97	229575	20.0	20.2	
9 Trichlorofluoromethane	101	2.297	2.272	0.025	70	194821	20.0	18.4	
8 Pentane	72	2.281	2.272	0.009	91	34333	40.0	33.7	
11 Ethyl ether	59	2.453	2.445	0.008	84	57284	20.0	16.5	
12 2-Methyl-1,3-butadiene	53	2.478	2.461	0.017	97	76747	20.0	17.6	
10 Ethanol	46	2.461	2.478	-0.017	76	2876	800.0	190.4	
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.511	2.511	0.000	89	91619	20.0	19.6	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.568	2.560	0.008	89	122604	20.0	18.8	
15 Acrolein	56	2.626	2.609	0.017	27	16170	40.1	31.2	M
17 1,1-Dichloroethene	96	2.650	2.634	0.016	94	78049	20.0	19.1	
16 112TCTFE	101	2.642	2.634	0.008	91	95537	20.0	19.0	a
18 Acetone	43	2.733	2.724	0.009	84	120112	100.0	89.9	
19 Iodomethane	142	2.807	2.782	0.025	98	157938	20.0	17.9	
20 Isopropyl alcohol	45	2.823	2.807	0.017	29	30170	200.0	177.4	
21 Carbon disulfide	76	2.831	2.839	-0.008	100	289021	20.0	19.1	
22 3-Chloro-1-propene	41	2.938	2.930	0.008	75	152127	20.0	20.4	
23 Methyl acetate	43	2.946	2.938	0.008	66	119545	40.0	38.3	
24 Cyclopentene	67	2.486	2.946	-0.460	82	216929	20.0	22.6	
25 Acetonitrile	41	3.028	2.996	0.032	19	120296	200.0	208.3	a
27 Methylene Chloride	84	3.061	3.045	0.016	92	87440	20.0	18.7	
* 26 TBA-d9 (IS)	65	3.078	3.045	0.033	0	359188	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.135	3.111	0.024	29	97586	200.0	203.0	a
29 Methyl tert-butyl ether	73	3.209	3.193	0.016	94	252381	20.0	17.7	
30 trans-1,2-Dichloroethene	96	3.234	3.217	0.017	95	81010	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.300	3.291	0.009	91	294380	200.0	187.4	
32 Hexane	43	3.373	3.365	0.008	88	74231	20.0	19.4	
33 Isopropyl ether	45	3.579	3.571	0.008	92	249360	20.0	18.3	
35 Vinyl acetate	86	3.612	3.595	0.017	99	28695	40.0	32.2	
34 1,1-Dichloroethane	63	3.604	3.595	0.009	77	140069	20.0	18.3	
36 2-Chloro-1,3-butadiene	88	3.645	3.628	0.017	97	64031	20.0	18.6	
37 Tert-butyl ethyl ether	59	3.875	3.858	0.017	87	266751	20.0	19.1	
* 38 2-Butanone-d5	46	4.056	4.039	0.017	0	351991	250.0	250.0	
39 2,2-Dichloropropane	97	4.072	4.080	-0.008	94	33255	20.0	20.7	
40 cis-1,2-Dichloroethene	96	4.088	4.080	0.008	89	84255	20.0	18.2	
41 2-Butanone (MEK)	72	4.105	4.088	0.017	88	37398	100.0	97.9	
42 Ethyl acetate	70	4.105	4.097	0.008	83	13604	40.0	38.7	
43 Methyl acrylate	55	4.154	4.154	0.000	98	57549	20.0	19.4	
44 Propionitrile	54	4.236	4.220	0.016	89	101496	200.0	198.3	
45 Chlorobromomethane	128	4.310	4.302	0.008	80	44050	20.0	18.6	
46 Tetrahydrofuran	72	4.310	4.310	0.000	55	17988	40.0	33.1	
47 Methacrylonitrile	67	4.327	4.318	0.009	92	288480	200.0	194.5	
48 Chloroform	83	4.360	4.351	0.009	96	147320	20.0	18.1	
49 Cyclohexane	84	4.491	4.483	0.008	88	131021	20.0	18.4	
50 1,1,1-Trichloroethane	97	4.499	4.499	0.000	92	152232	20.0	17.8	
$ 51 Dibromofluoromethane (Surr)	113	4.507	4.499	0.008	95	158569	50.0	47.9	
52 Carbon tetrachloride	117	4.614	4.614	0.000	94	129105	20.0	17.9	
53 1,1-Dichloropropene	75	4.647	4.631	0.016	86	100223	20.0	17.8	
54 Isobutyl alcohol	43	4.795	4.795	0.000	50	125433	500.0	408.2	
55 Benzene	78	4.828	4.820	0.008	98	278162	20.0	19.1	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.844	4.836	0.008	0	246422	50.0	47.6	
57 Isopropyl acetate	43	4.894	4.885	0.009	89	267714	20.0	20.6	
58 Tert-amyl methyl ether	73	4.894	4.885	0.009	83	259377	20.0	17.4	
59 1,2-Dichloroethane	62	4.918	4.910	0.008	98	133815	20.0	17.1	
60 n-Heptane	57	4.984	4.976	0.008	87	53882	20.0	19.3	
* 61 Fluorobenzene	96	5.107	5.099	0.008	98	563434	50.0	50.0	
62 n-Butanol	56	5.403	5.395	0.008	88	35287	500.0	452.4	
63 Trichloroethene	95	5.452	5.444	0.008	93	70934	20.0	17.5	
64 Ethyl acrylate	55	5.567	5.567	0.000	95	180290	20.0	17.4	
65 Methylcyclohexane	83	5.576	5.567	0.009	86	140677	20.0	18.6	
66 1,2-Dichloropropane	63	5.724	5.724	0.000	73	61824	20.0	16.6	
* 67 1,4-Dioxane-d8	96	5.797	5.773	0.024	0	26909	1000.0	1000.0	
68 Methyl methacrylate	100	5.797	5.797	0.000	89	35322	40.0	31.5	
69 1,4-Dioxane	88	5.839	5.847	-0.008	34	8686	400.0	330.9	
70 Dibromomethane	93	5.855	5.855	0.000	73	46859	20.0	18.1	
71 n-Propyl acetate	43	5.863	5.855	0.008	98	92859	20.0	18.2	
72 Dichlorobromomethane	83	6.003	5.995	0.008	96	96675	20.0	17.1	
73 2-Nitropropane	41	6.323	6.323	0.000	90	62260	40.0	34.4	
74 2-Chloroethyl vinyl ether	63	6.332	6.332	0.000	60	32939	20.0	17.5	
75 Epichlorohydrin	57	6.447	6.430	0.017	67	8632	20.0	26.4	
76 cis-1,3-Dichloropropene	75	6.496	6.488	0.008	94	92324	20.0	18.4	
77 4-Methyl-2-pentanone (MIBK)	43	6.660	6.652	0.008	98	389734	100.0	87.8	
$ 78 Toluene-d8 (Surr)	98	6.734	6.726	0.008	98	568496	50.0	52.2	
79 Toluene	91	6.808	6.800	0.008	92	298683	20.0	18.5	
80 trans-1,3-Dichloropropene	75	7.153	7.145	0.008	94	83512	20.0	17.4	
81 Ethyl methacrylate	69	7.194	7.186	0.008	93	84080	20.0	19.0	
82 1,1,2-Trichloroethane	83	7.359	7.359	0.000	86	47206	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.408	7.408	0.000	94	80939	20.0	18.3	
84 1,3-Dichloropropane	76	7.564	7.564	0.000	96	97914	20.0	19.2	
85 2-Hexanone	43	7.638	7.630	0.008	96	238195	100.0	85.4	
86 n-Butyl acetate	43	7.753	7.753	0.000	97	117528	20.0	19.4	
87 Chlorodibromomethane	129	7.802	7.794	0.008	94	66149	20.0	18.7	
88 Ethylene Dibromide	107	7.942	7.950	-0.008	96	57085	20.0	18.7	
* 89 Chlorobenzene-d5	117	8.493	8.493	0.000	90	423647	50.0	50.0	
90 Chlorobenzene	112	8.526	8.525	0.001	94	194856	20.0	18.1	
91 Ethylbenzene	106	8.632	8.632	0.000	99	109366	20.0	18.3	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.649	0.000	92	81034	20.0	17.2	
93 m-Xylene & p-Xylene	106	8.797	8.797	0.000	0	141371	20.0	19.0	
94 n-Butyl acrylate	73	9.281	9.281	0.000	91	52932	20.0	17.3	
95 o-Xylene	106	9.290	9.290	0.000	92	139472	20.0	17.9	
96 Styrene	104	9.323	9.323	0.000	95	227679	20.0	18.1	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	88	162227	20.0	17.2	
98 Bromoform	173	9.536	9.536	0.000	88	42637	20.0	18.2	
99 Isopropylbenzene	105	9.668	9.668	0.000	96	407604	20.0	18.5	
$ 100 4-Bromofluorobenzene	174	9.857	9.848	0.009	92	207956	50.0	53.0	
101 Bromobenzene	156	9.972	9.972	0.000	88	90983	20.0	18.2	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	95	83275	20.0	19.7	
103 N-Propylbenzene	91	10.046	10.046	0.000	99	467034	20.0	18.6	
104 1,2,3-Trichloropropane	110	10.062	10.062	0.000	91	29366	20.0	18.2	
105 trans-1,4-Dichloro-2-butene	53	10.078	10.078	0.000	55	9241	20.0	19.7	
106 2-Chlorotoluene	91	10.136	10.136	0.000	98	306389	20.0	17.3	
107 4-Ethyltoluene	105	10.144	10.144	0.000	98	391457	20.0	18.2	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	93	329080	20.0	17.8	
109 4-Chlorotoluene	91	10.235	10.235	0.000	98	273422	20.0	17.8	
110 Butyl Methacrylate	87	10.292	10.292	0.000	96	106374	20.0	18.4	
111 tert-Butylbenzene	119	10.448	10.448	0.000	94	261021	20.0	17.3	
112 1,2,4-Trimethylbenzene	105	10.498	10.498	0.000	99	351576	20.0	18.5	
113 sec-Butylbenzene	105	10.613	10.613	0.000	97	425490	20.0	18.4	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	94	199942	20.0	17.4	
114 4-Isopropyltoluene	119	10.719	10.719	0.000	98	403044	20.0	18.6	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.769	0.000	96	285556	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.785	0.000	96	211582	20.0	18.9	
118 1,2,3-Trimethylbenzene	105	10.802	10.802	0.000	98	367861	20.0	18.4	
119 Benzyl chloride	91	10.884	10.884	0.000	96	214674	20.0	18.2	
120 2,3-Dihydroindene	117	10.933	10.933	0.000	94	372530	20.0	18.4	
121 p-Diethylbenzene	119	10.974	10.974	0.000	91	249467	20.0	20.4	
122 n-Butylbenzene	92	10.991	10.991	0.000	96	207361	20.0	17.7	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	94	201933	20.0	17.1	
124 1,2,4,5-Tetramethylbenzene	119	11.467	11.459	0.008	97	375183	20.0	17.8	
125 1,2-Dibromo-3-Chloropropane	157	11.533	11.525	0.008	91	23247	20.0	18.3	
126 1,3,5-Trichlorobenzene	180	11.623	11.607	0.016	95	169045	20.0	17.2	
127 1,2,4-Trichlorobenzene	180	12.001	11.993	0.008	93	158703	20.0	17.5	
128 Hexachlorobutadiene	225	12.067	12.059	0.008	91	64935	20.0	17.6	
129 Naphthalene	128	12.157	12.149	0.008	98	351457	20.0	18.0	
130 1,2,3-Trichlorobenzene	180	12.313	12.305	0.008	94	145560	20.0	18.3	
S 131 1,2-Dichloroethene, Total	100				0		40.0	38.3	
S 133 Total BTEX	1				0		100.0	92.8	
S 132 Xylenes, Total	100				0		40.0	36.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS C SP_00417	Amount Added:	20.00	Units: uL	
ACROLEIN SP_00126	Amount Added:	4.00	Units: uL	
8FreonsSS_00034	Amount Added:	20.00	Units: uL	
8260 SP_00142	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 15-Jul-2021 15:14:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16864.D

Injection Date: 10-Jul-2021 13:16:30 Instrument ID: CVOAMS6 Operator ID:

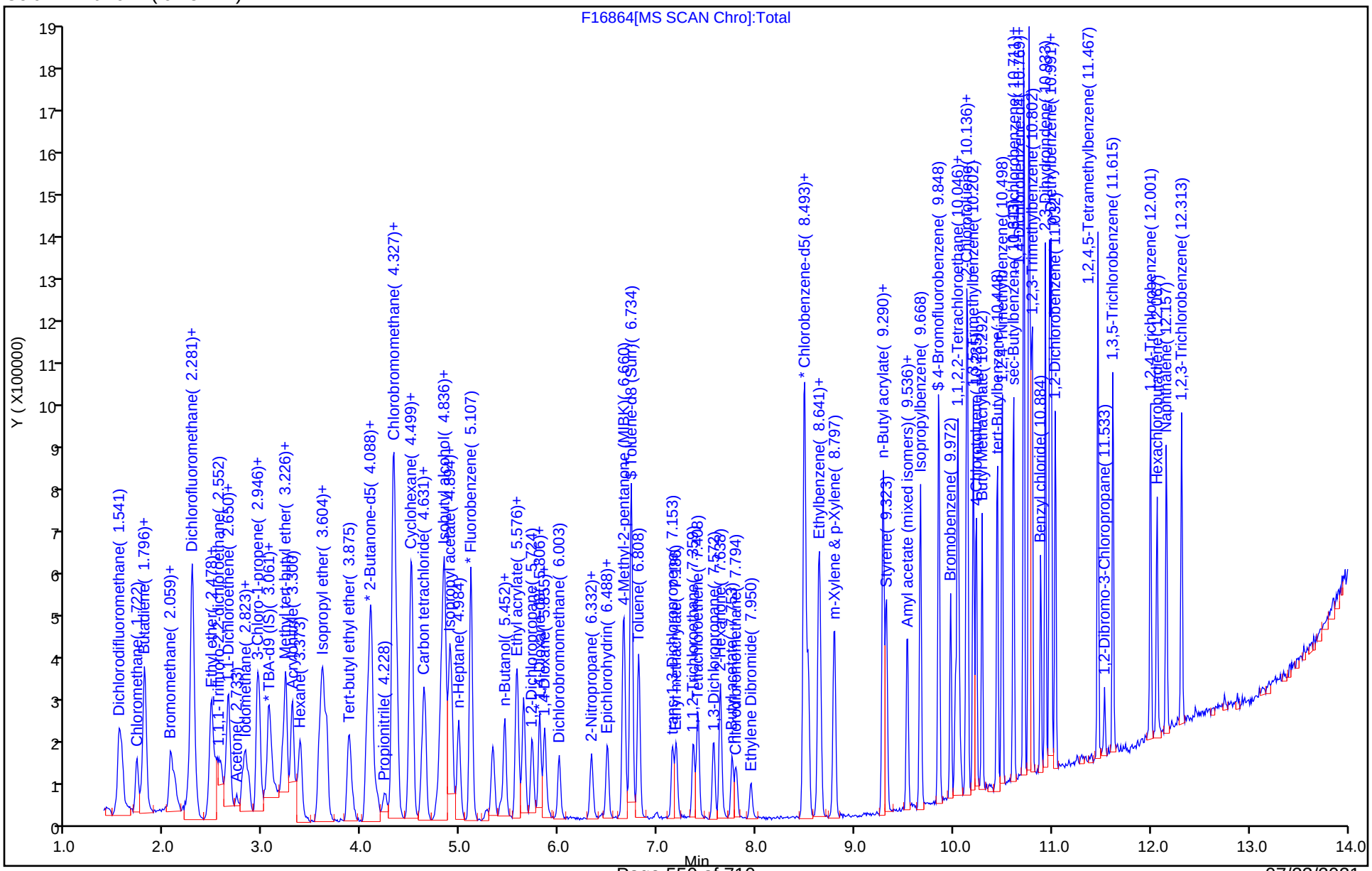
Lims ID: ICV Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

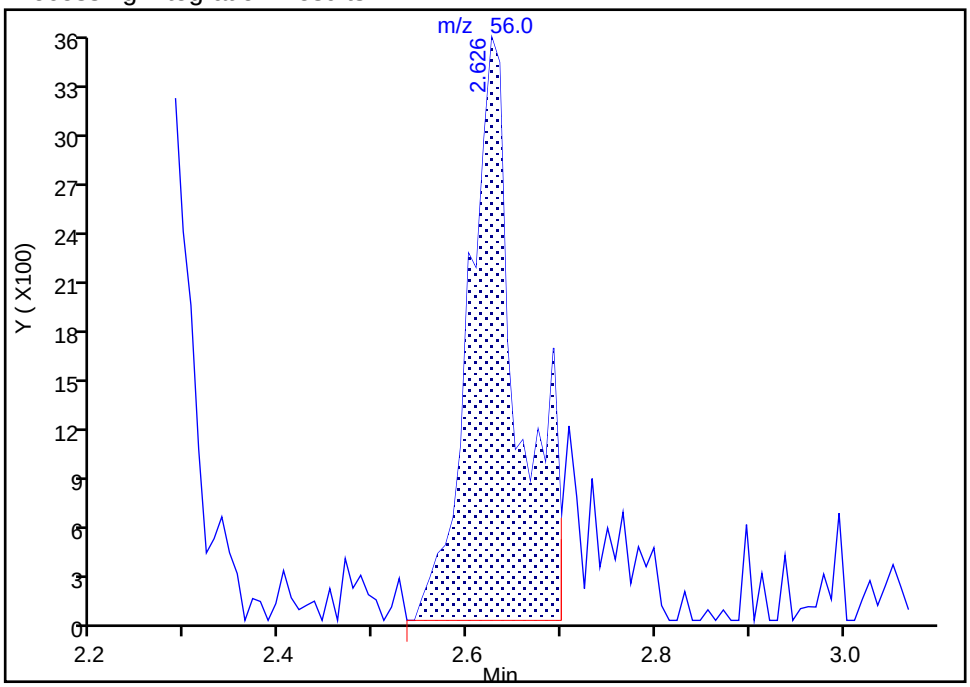
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16864.D
Injection Date: 10-Jul-2021 13:16:30 Instrument ID: CVOAMS6
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

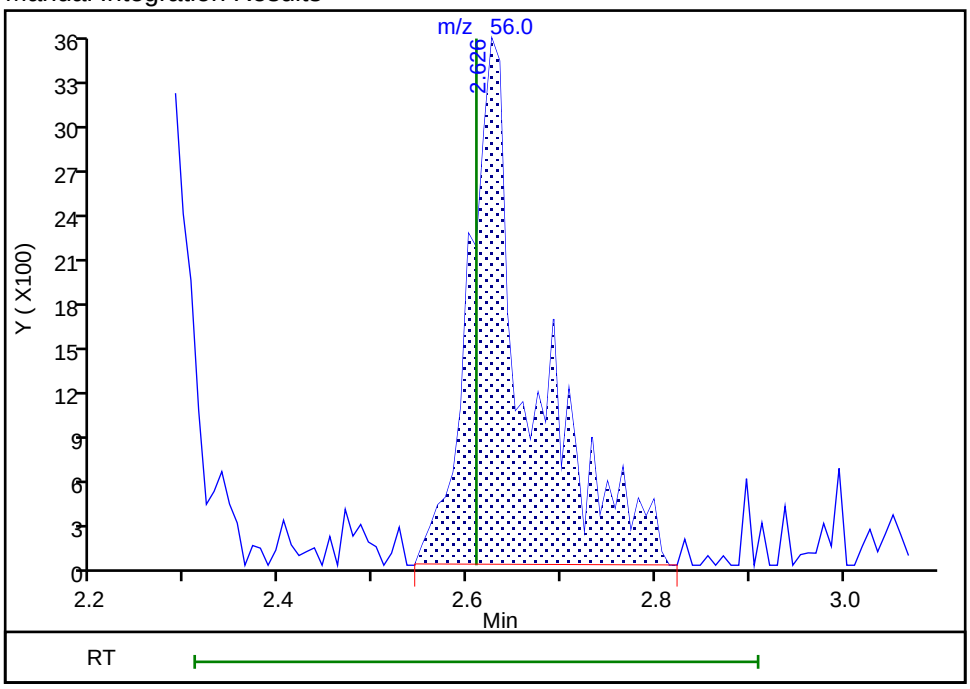
Processing Integration Results

RT: 2.63
Area: 13062
Amount: 25.222407
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 16170
Amount: 31.223881
Amount Units: ug/l



Reviewer: xuyvo, 15-Jul-2021 15:14:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

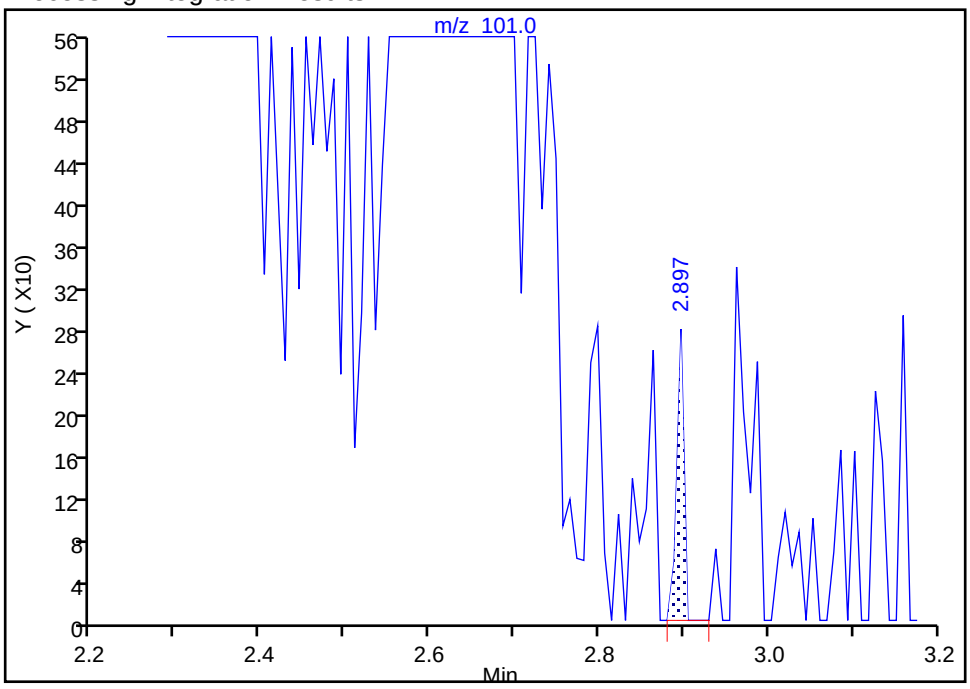
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16864.D
Injection Date: 10-Jul-2021 13:16:30 Instrument ID: CVOAMS6
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 112TCTFE, CAS: 76-13-1

Signal: 1

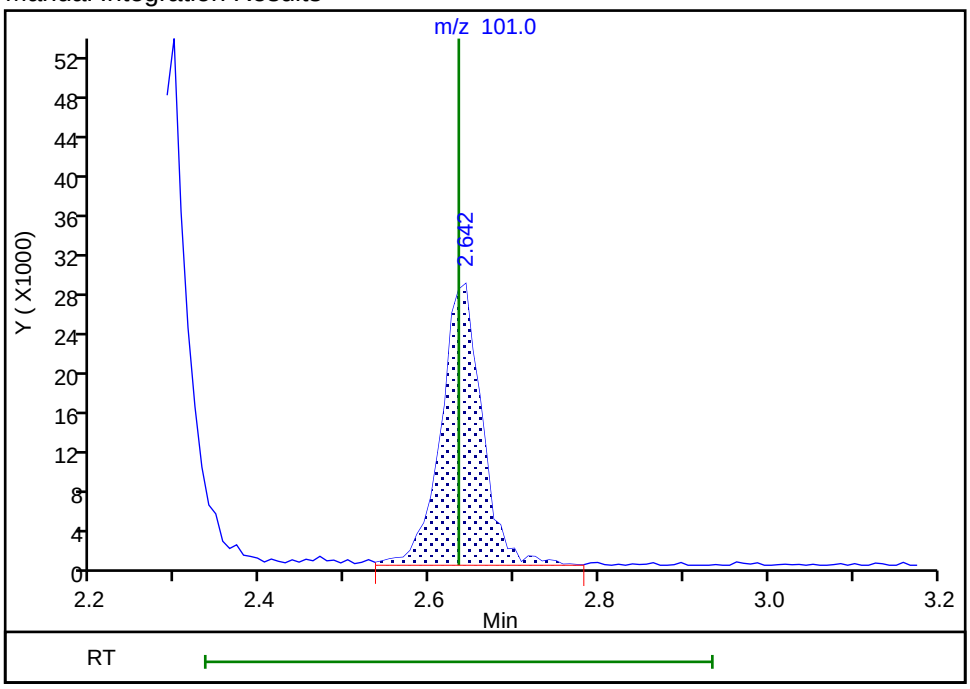
Processing Integration Results

RT: 2.90
Area: 164
Amount: 0.032565
Amount Units: ug/l



Manual Integration Results

RT: 2.64
Area: 95537
Amount: 18.970385
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:40:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

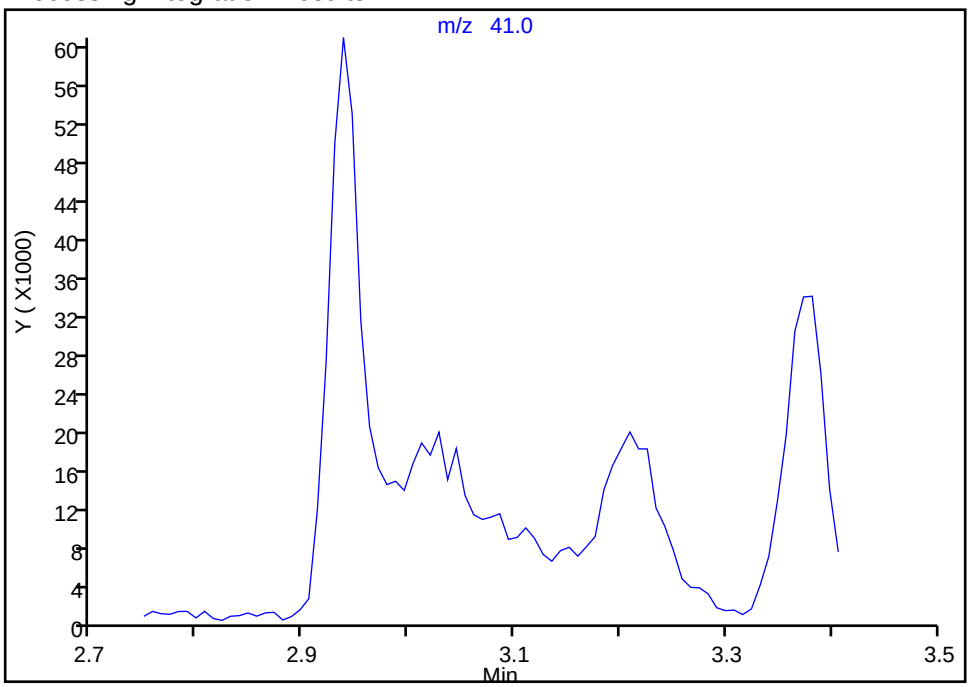
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16864.D
Injection Date: 10-Jul-2021 13:16:30 Instrument ID: CVOAMS6
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

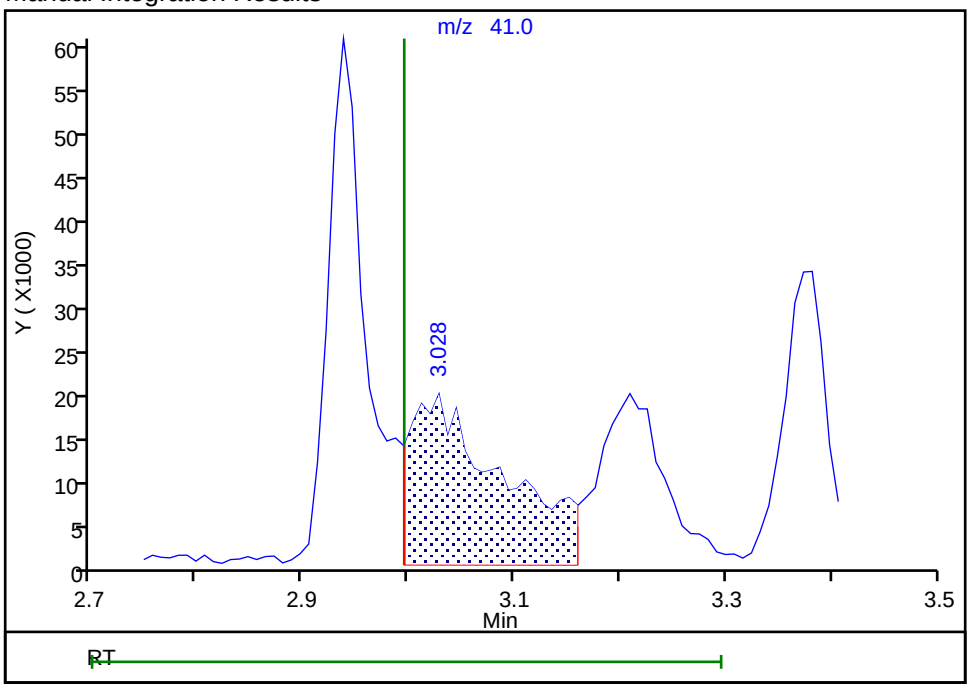
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.03
Area: 120296
Amount: 208.3342
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:40:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

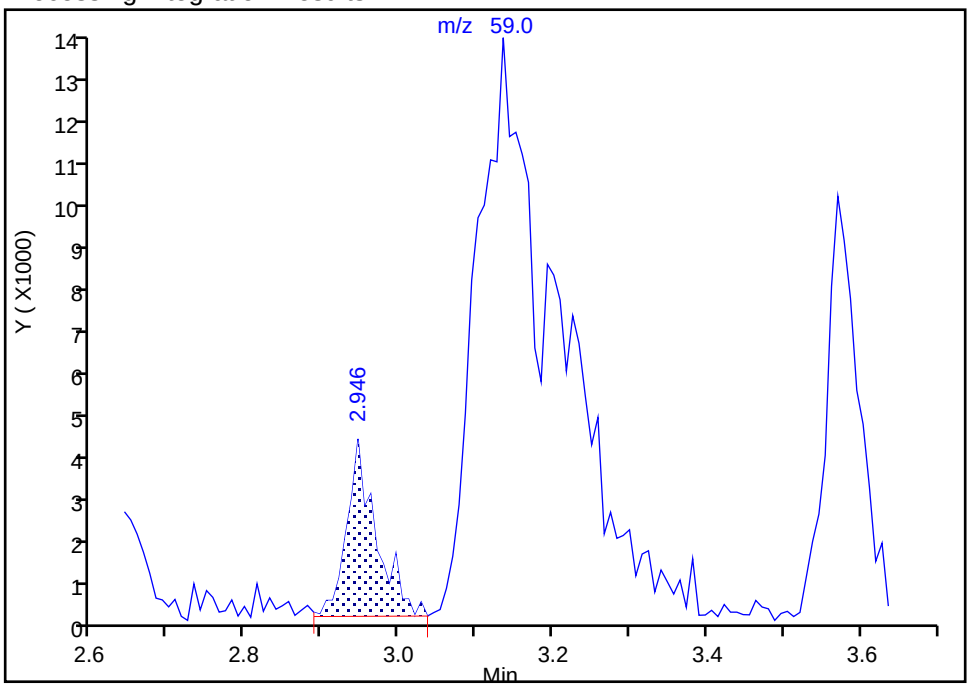
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16864.D
Injection Date: 10-Jul-2021 13:16:30 Instrument ID: CVOAMS6
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

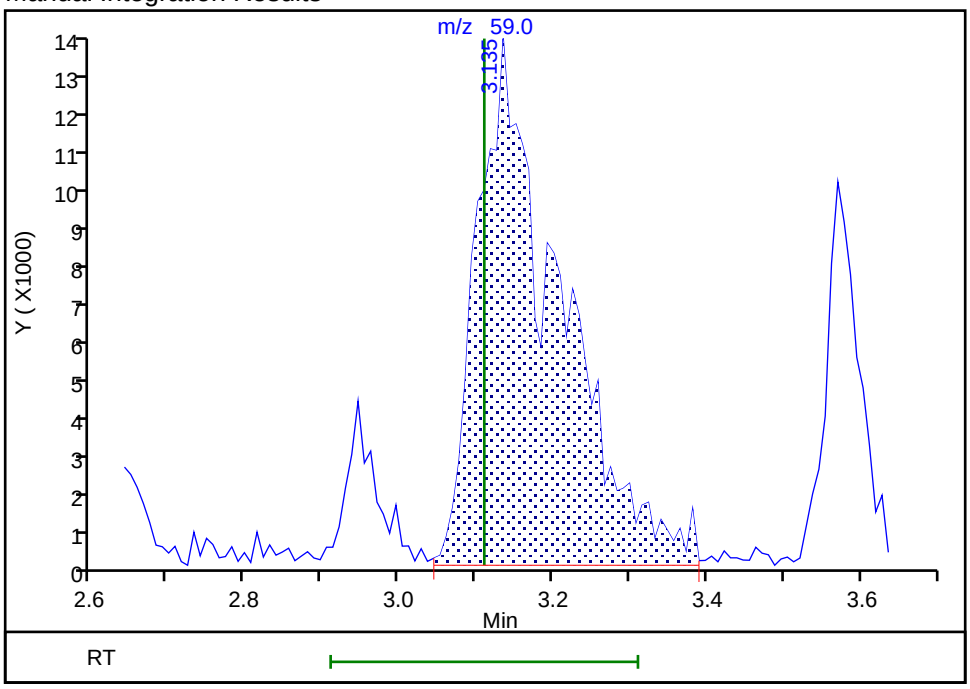
Processing Integration Results

RT: 2.95
Area: 10444
Amount: 21.724808
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 97586
Amount: 202.9909
Amount Units: ug/l



Reviewer: baronm, 14-Jul-2021 21:40:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: CCVIS 460-791566/3 Calibration Date: 07/21/2021 06:43

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F17235.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.7147	0.6533	0.1000	18.3	20.0	-8.6	20.0
Chloromethane	Ave	0.7006	0.8079	0.1000	23.1	20.0	15.3	20.0
Butadiene	Ave	0.7225	0.7270		20.1	20.0	0.6	20.0
Vinyl chloride	Ave	0.6523	0.7489	0.1000	23.0	20.0	14.8	20.0
Bromomethane	Ave	0.5375	0.4908	0.1000	18.3	20.0	-8.7	50.0
Chloroethane	Ave	0.3933	0.4415	0.1000	22.4	20.0	12.2	50.0
Dichlorofluoromethane	Ave	1.007	1.152		22.9	20.0	14.4	20.0
Pentane	Ave	2.832	2.514		35.5	40.0	-11.2	20.0
Trichlorofluoromethane	Ave	0.9400	0.8455	0.1000	18.0	20.0	-10.0	20.0
Ethanol	Ave	0.0421	0.0474		901	800	12.6	50.0
Ethyl ether	Ave	0.3088	0.3643		23.6	20.0	18.0	20.0
2-Methyl-1,3-butadiene	Ave	0.3876	0.4968		25.6	20.0	28.2*	20.0
Acrolein	Ave	1.442	0.3931		11.1	40.6	-72.7*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4469	0.4171	0.1000	18.7	20.0	-6.7	20.0
1,1-Dichloroethene	Ave	0.3627	0.3557	0.1000	19.6	20.0	-2.0	20.0
Acetone	Ave	0.9493	1.020	0.0500	107	100	7.4	50.0
Iodomethane	Ave	0.7811	0.5866		15.0	20.0	-24.9*	20.0
Isopropyl alcohol	Ave	0.4736	0.7754		327	200	63.7*	50.0
Carbon disulfide	Ave	1.341	1.505	0.1000	22.4	20.0	12.2	50.0
3-Chloro-1-propene	Ave	0.6605	1.062		32.2	20.0	60.8*	20.0
Methyl acetate	Ave	0.2769	0.3965	0.1000	57.3	40.0	43.2*	20.0
Cyclopentene	Ave	0.8507	0.995		23.4	20.0	17.0	20.0
Acetonitrile	QuaF		2.596		323	200	61.4*	20.0
Methylene Chloride	Ave	0.4156	0.4025	0.1000	19.4	20.0	-3.1	20.0
2-Methyl-2-propanol	Ave	1.338	1.164		174	200	-13.0	50.0
Methyl tert-butyl ether	Ave	1.268	1.287	0.1000	20.3	20.0	1.5	20.0
trans-1,2-Dichloroethene	Lin2		0.3437	0.1000	19.1	20.0	-4.3	20.0
Acrylonitrile	Ave	0.1394	0.1763		253	200	26.4*	20.0
Hexane	Ave	0.3401	0.5442		32.0	20.0	60.0*	20.0
Isopropyl ether	Ave	1.209	1.770		29.3	20.0	46.4*	20.0
1,1-Dichloroethane	Ave	0.6809	0.7743	0.2000	22.7	20.0	13.7	20.0
Vinyl acetate	Lin2		0.0738		37.4	40.0	-6.4	20.0
2-Chloro-1,3-butadiene	Lin2		0.3166		20.8	20.0	4.2	20.0
Tert-butyl ethyl ether	Ave	1.238	1.413		22.8	20.0	14.1	20.0
2,2-Dichloropropane	Ave	0.1426	0.1548		21.7	20.0	8.6	20.0
cis-1,2-Dichloroethene	Ave	0.4106	0.3829	0.1000	18.7	20.0	-6.7	20.0
2-Butanone (MEK)	Ave	0.2715	0.2315	0.0500	85.3	100	-14.7	50.0
Ethyl acetate	QuaF		0.1781		28.5	40.0	-28.7*	20.0
Methyl acrylate	Ave	0.3500	0.4652		26.6	20.0	32.9*	20.0
Propionitrile	Ave	1.425	1.682		236	200	18.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: CCVIS 460-791566/3 Calibration Date: 07/21/2021 06:43

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F17235.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobromomethane	QuaF		0.1898		18.0	20.0	-9.8	20.0
Tetrahydrofuran	Ave	0.3856	0.2804		29.1	40.0	-27.3*	20.0
Methacrylonitrile	Ave	0.1316	0.1524		232	200	15.8	20.0
Chloroform	Ave	0.7206	0.7034	0.2000	19.5	20.0	-2.4	20.0
Cyclohexane	Ave	0.6304	0.6359	0.1000	20.2	20.0	0.9	50.0
1,1,1-Trichloroethane	Ave	0.7592	0.7016	0.1000	18.5	20.0	-7.6	20.0
Carbon tetrachloride	Ave	0.6391	0.5594	0.1000	17.5	20.0	-12.5	20.0
1,1-Dichloropropene	Ave	0.5001	0.5272		21.1	20.0	5.4	20.0
Isobutyl alcohol	QuaF		0.9661		565	500	13.0	20.0
Benzene	Ave	1.722	1.875	0.5000	21.8	20.0	8.9	20.0
Isopropyl acetate	Ave	1.154	1.570		27.2	20.0	36.0*	20.0
Tert-amyl methyl ether	Ave	1.321	1.363		20.6	20.0	3.2	20.0
1,2-Dichloroethane	Ave	0.6938	0.6691	0.1000	19.3	20.0	-3.6	20.0
n-Heptane	Ave	0.2472	0.3521		28.5	20.0	42.5*	20.0
n-Butanol	Ave	0.2172	0.2405		554	500	10.7	50.0
Trichloroethene	Ave	0.3593	0.3408	0.2000	19.0	20.0	-5.2	20.0
Ethyl acrylate	Ave	0.9217	1.111		24.1	20.0	20.5*	20.0
Methylcyclohexane	Ave	0.6714	0.6918	0.1000	20.6	20.0	3.0	50.0
1,2-Dichloropropane	Ave	0.3306	0.3741	0.1000	22.6	20.0	13.1	20.0
Methyl methacrylate	Ave	0.0996	0.0732		29.4	40.0	-26.5*	20.0
1,4-Dioxane	Ave	0.9755	1.207		495	400	23.7	50.0
Dibromomethane	Ave	0.2293	0.2137		18.6	20.0	-6.8	20.0
n-Propyl acetate	Ave	0.4536	0.6331		27.9	20.0	39.6*	20.0
Dichlorobromomethane	Ave	0.5021	0.5133	0.2000	20.4	20.0	2.2	20.0
2-Nitropropane	Qua2		0.1704		42.7	40.0	6.8	20.0
2-Chloroethyl vinyl ether	Lin2		0.1755		21.2	20.0	5.8	20.0
Epichlorohydrin	Ave	0.2321	0.1773		306	400	-23.6*	20.0
cis-1,3-Dichloropropene	Ave	0.5922	0.7256	0.2000	24.5	20.0	22.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.152	2.903	0.0500	92.1	100	-7.9	50.0
Toluene	Ave	1.901	1.878	0.4000	19.8	20.0	-1.2	20.0
trans-1,3-Dichloropropene	Ave	0.5669	0.6851	0.1000	24.2	20.0	20.9	50.0
Ethyl methacrylate	Ave	0.5217	0.5862		22.5	20.0	12.4	20.0
1,1,2-Trichloroethane	Ave	0.2885	0.3181	0.1000	22.1	20.0	10.3	20.0
Tetrachloroethene	Ave	0.5213	0.4459	0.2000	17.1	20.0	-14.5	20.0
1,3-Dichloropropane	Ave	0.6030	0.6391		21.2	20.0	6.0	20.0
2-Hexanone	Ave	1.980	1.706	0.0500	86.2	100	-13.8	50.0
n-Butyl acetate	Qua2		1.101		31.1	20.0	55.3*	20.0
Chlorodibromomethane	Ave	0.4167	0.3835	0.1000	18.4	20.0	-8.0	50.0
Ethylene Dibromide	Qua2		0.3268	0.1000	18.1	20.0	-9.6	20.0
Chlorobenzene	Ave	1.271	1.124	0.5000	17.7	20.0	-11.6	20.0
Ethylbenzene	Ave	0.7049	0.6476	0.1000	18.4	20.0	-8.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: CCVIS 460-791566/3 Calibration Date: 07/21/2021 06:43

Instrument ID: CVOAMS6 Calib Start Date: 07/10/2021 08:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/10/2021 11:23

Lab File ID: F17235.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	0.5567	0.5074		18.2	20.0	-8.9	20.0
m-Xylene & p-Xylene	Ave	0.8770	0.8182	0.1000	18.7	20.0	-6.7	20.0
n-Butyl acrylate	Ave	0.3609	0.3653		20.2	20.0	1.2	20.0
o-Xylene	Ave	0.9198	0.8235	0.3000	17.9	20.0	-10.5	20.0
Styrene	Ave	1.483	1.294	0.3000	17.5	20.0	-12.7	20.0
Amyl acetate (mixed isomers)	Ave	1.650	2.344		28.4	20.0	42.1*	20.0
Bromoform	Ave	0.2761	0.2629	0.1000	19.0	20.0	-4.8	20.0
Isopropylbenzene	Ave	2.598	2.340	0.1000	18.0	20.0	-9.9	20.0
Bromobenzene	Ave	0.8746	0.7533		17.2	20.0	-13.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7415	0.8409	0.3000	22.7	20.0	13.4	20.0
N-Propylbenzene	Ave	4.406	4.418		20.1	20.0	0.3	20.0
1,2,3-Trichloropropane	Ave	0.2829	0.2930		20.7	20.0	3.6	20.0
trans-1,4-Dichloro-2-butene	QuaF		0.2701		60.1	20.0	200.6*	20.0
2-Chlorotoluene	Ave	3.098	3.020		19.5	20.0	-2.5	20.0
4-Ethyltoluene	Ave	3.764	3.590		19.1	20.0	-4.6	20.0
1,3,5-Trimethylbenzene	Ave	3.237	3.126		19.3	20.0	-3.4	20.0
4-Chlorotoluene	Ave	2.685	2.500		18.6	20.0	-6.9	20.0
Butyl Methacrylate	Ave	1.014	0.9860		19.4	20.0	-2.8	20.0
tert-Butylbenzene	Ave	2.648	2.334		17.6	20.0	-11.9	20.0
1,2,4-Trimethylbenzene	Ave	3.320	3.197		19.3	20.0	-3.7	20.0
sec-Butylbenzene	Ave	4.046	4.162		20.6	20.0	2.9	20.0
1,3-Dichlorobenzene	Ave	2.014	1.654	0.6000	16.4	20.0	-17.9	20.0
4-Isopropyltoluene	Ave	3.794	3.605		19.0	20.0	-5.0	20.0
1,4-Dichlorobenzene	Ave	1.961	1.618	0.5000	16.5	20.0	-17.5	20.0
1,2,3-Trimethylbenzene	Ave	3.510	3.417		19.5	20.0	-2.7	20.0
Benzyl chloride	Ave	2.063	1.954		18.9	20.0	-5.3	50.0
Indan	Ave	3.554	3.222		18.1	20.0	-9.3	20.0
p-Diethylbenzene	Ave	2.144	1.932		18.0	20.0	-9.9	20.0
n-Butylbenzene	Ave	2.053	1.992		19.4	20.0	-2.9	20.0
1,2-Dichlorobenzene	Ave	2.072	1.683	0.4000	16.3	20.0	-18.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.699	3.457		18.7	20.0	-6.5	20.0
1,2-Dibromo-3-Chloropropane	Qua2		0.1986	0.0500	17.9	20.0	-10.7	50.0
1,3,5-Trichlorobenzene	Ave	1.718	1.472		17.1	20.0	-14.3	20.0
1,2,4-Trichlorobenzene	Ave	1.584	1.328	0.2000	16.8	20.0	-16.1	20.0
Hexachlorobutadiene	Ave	0.6445	0.5763		17.9	20.0	-10.6	20.0
Naphthalene	Ave	3.418	3.449		20.2	20.0	0.9	50.0
1,2,3-Trichlorobenzene	Ave	1.395	1.179		16.9	20.0	-15.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2938	0.2866		48.8	50.0	-2.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4594	0.5111		55.6	50.0	11.3	20.0
Toluene-d8 (Surr)	Ave	1.285	1.416		55.1	50.0	10.1	20.0
4-Bromofluorobenzene	Ave	0.4628	0.4214		45.5	50.0	-9.0	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Jul-2021 06:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0132123-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub54

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:41:18 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: moroneyc Date: 21-Jul-2021 07:03:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.533	1.533	0.000	90	138424	20.0	18.3	
2 Chloromethane	50	1.697	1.697	0.000	99	171178	20.0	23.1	
3 Vinyl chloride	62	1.780	1.780	0.000	85	158678	20.0	23.0	
4 Butadiene	54	1.780	1.780	0.000	90	154052	20.0	20.1	
5 Bromomethane	94	2.043	2.043	0.000	97	103996	20.0	18.3	
6 Chloroethane	64	2.092	2.092	0.000	98	93540	20.0	22.4	
7 Dichlorofluoromethane	67	2.256	2.256	0.000	83	244065	20.0	22.9	
8 Pentane	72	2.264	2.264	0.000	93	42156	40.0	35.5	
9 Trichlorofluoromethane	101	2.273	2.273	0.000	58	179162	20.0	18.0	
10 Ethanol	46	2.404	2.404	0.000	81	15882	800.0	900.8	
11 Ethyl ether	59	2.437	2.437	0.000	87	77181	20.0	23.6	
12 2-Methyl-1,3-butadiene	53	2.462	2.462	0.000	92	105267	20.0	25.6	
16 112TCTFE	101	2.618	2.618	0.000	89	88374	20.0	18.7	a
17 1,1-Dichloroethene	96	2.626	2.626	0.000	90	75359	20.0	19.6	
15 Acrolein	56	2.609	2.609	0.000	28	6685	40.6	11.1	M
18 Acetone	43	2.708	2.708	0.000	83	202015	100.0	107.4	
19 Iodomethane	142	2.782	2.782	0.000	99	124297	20.0	15.0	
20 Isopropyl alcohol	45	2.798	2.798	0.000	96	65020	200.0	327.5	
21 Carbon disulfide	76	2.831	2.831	0.000	99	318929	20.0	22.4	
22 3-Chloro-1-propene	41	2.922	2.922	0.000	86	225024	20.0	32.2	
23 Methyl acetate	43	2.930	2.930	0.000	78	168018	40.0	57.3	
24 Cyclopentene	67	2.938	2.938	0.000	92	210853	20.0	23.4	
25 Acetonitrile	41	3.004	3.004	0.000	94	217694	200.0	322.9	
27 Methylene Chloride	84	3.037	3.037	0.000	93	85295	20.0	19.4	
* 26 TBA-d9 (IS)	65	3.045	3.045	0.000	0	419260	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.111	3.111	0.000	28	97603	200.0	173.9	a
29 Methyl tert-butyl ether	73	3.193	3.193	0.000	96	272798	20.0	20.3	
30 trans-1,2-Dichloroethene	96	3.218	3.218	0.000	96	72830	20.0	19.1	
31 Acrylonitrile	53	3.283	3.283	0.000	91	373490	200.0	252.8	
32 Hexane	43	3.357	3.357	0.000	92	115303	20.0	32.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Isopropyl ether	45	3.563	3.563	0.000	89	375027	20.0	29.3	
34 1,1-Dichloroethane	63	3.587	3.587	0.000	99	164076	20.0	22.7	
35 Vinyl acetate	86	3.604	3.604	0.000	100	31263	40.0	37.4	
36 2-Chloro-1,3-butadiene	88	3.637	3.637	0.000	71	67091	20.0	20.8	
37 Tert-butyl ethyl ether	59	3.858	3.858	0.000	86	299406	20.0	22.8	
* 38 2-Butanone-d5	46	4.039	4.039	0.000	0	495285	250.0	250.0	
39 2,2-Dichloropropane	97	4.072	4.072	0.000	89	32810	20.0	21.7	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	87	81137	20.0	18.7	
41 2-Butanone (MEK)	72	4.089	4.089	0.000	95	45863	100.0	85.3	
42 Ethyl acetate	70	4.097	4.097	0.000	92	14113	40.0	28.5	M
43 Methyl acrylate	55	4.146	4.146	0.000	33	72826	20.0	26.6	a
44 Propionitrile	54	4.220	4.220	0.000	97	141029	200.0	236.0	
45 Chlorobromomethane	128	4.294	4.294	0.000	95	40209	20.0	18.0	
46 Tetrahydrofuran	72	4.302	4.302	0.000	64	22224	40.0	29.1	
47 Methacrylonitrile	67	4.310	4.310	0.000	98	322874	200.0	231.5	
48 Chloroform	83	4.343	4.343	0.000	92	149040	20.0	19.5	
49 Cyclohexane	84	4.483	4.483	0.000	93	134745	20.0	20.2	
50 1,1,1-Trichloroethane	97	4.491	4.491	0.000	95	148660	20.0	18.5	
$ 51 Dibromofluoromethane (Surr)	113	4.491	4.491	0.000	95	151815	50.0	48.8	
52 Carbon tetrachloride	117	4.606	4.606	0.000	91	118523	20.0	17.5	
53 1,1-Dichloropropene	75	4.631	4.631	0.000	83	111710	20.0	21.1	
54 Isobutyl alcohol	43	4.787	4.787	0.000	52	202514	500.0	565.1	
55 Benzene	78	4.820	4.820	0.000	97	293482	20.0	21.8	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.828	4.828	0.000	0	270763	50.0	55.6	
57 Isopropyl acetate	43	4.877	4.877	0.000	93	332648	20.0	27.2	
58 Tert-amyl methyl ether	73	4.886	4.886	0.000	79	288868	20.0	20.6	
59 1,2-Dichloroethane	62	4.902	4.902	0.000	94	141779	20.0	19.3	
60 n-Heptane	57	4.968	4.968	0.000	94	74613	20.0	28.5	
* 61 Fluorobenzene	96	5.091	5.091	0.000	95	529722	50.0	50.0	
62 n-Butanol	56	5.403	5.403	0.000	91	50407	500.0	553.6	
63 Trichloroethene	95	5.436	5.436	0.000	92	72204	20.0	19.0	
64 Ethyl acrylate	55	5.559	5.559	0.000	94	235386	20.0	24.1	
65 Methylcyclohexane	83	5.568	5.568	0.000	82	146577	20.0	20.6	
66 1,2-Dichloropropane	63	5.715	5.715	0.000	77	79262	20.0	22.6	
* 67 1,4-Dioxane-d8	96	5.781	5.781	0.000	0	29250	1000.0	1000.0	M
68 Methyl methacrylate	100	5.789	5.789	0.000	88	31014	40.0	29.4	
69 1,4-Dioxane	88	5.822	5.822	0.000	25	14118	400.0	494.8	M
70 Dibromomethane	93	5.839	5.839	0.000	52	45273	20.0	18.6	
71 n-Propyl acetate	43	5.847	5.847	0.000	97	134148	20.0	27.9	
72 Dichlorobromomethane	83	5.987	5.987	0.000	94	108766	20.0	20.4	
73 2-Nitropropane	41	6.315	6.315	0.000	87	72203	40.0	42.7	
74 2-Chloroethyl vinyl ether	63	6.324	6.324	0.000	58	37269	20.0	21.2	
75 Epichlorohydrin	57	6.422	6.422	0.000	98	140538	400.0	305.7	
76 cis-1,3-Dichloropropene	75	6.480	6.480	0.000	87	113586	20.0	24.5	
77 4-Methyl-2-pentanone (MIBK)	43	6.644	6.644	0.000	98	575200	100.0	92.1	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	96	553957	50.0	55.1	
79 Toluene	91	6.800	6.800	0.000	91	293940	20.0	19.8	
80 trans-1,3-Dichloropropene	75	7.137	7.137	0.000	93	107247	20.0	24.2	
81 Ethyl methacrylate	69	7.178	7.178	0.000	95	91758	20.0	22.5	
82 1,1,2-Trichloroethane	83	7.351	7.351	0.000	88	49789	20.0	22.1	
83 Tetrachloroethene	166	7.400	7.400	0.000	90	69795	20.0	17.1	
84 1,3-Dichloropropane	76	7.556	7.556	0.000	87	100035	20.0	21.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Hexanone	43	7.622	7.622	0.000	97	338062	100.0	86.2	
86 n-Butyl acetate	43	7.745	7.745	0.000	95	172272	20.0	31.1	
87 Chlorodibromomethane	129	7.786	7.786	0.000	93	60028	20.0	18.4	
88 Ethylene Dibromide	107	7.934	7.934	0.000	99	51162	20.0	18.1	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	96	391328	50.0	50.0	
90 Chlorobenzene	112	8.517	8.517	0.000	86	175894	20.0	17.7	
91 Ethylbenzene	106	8.624	8.624	0.000	99	101365	20.0	18.4	
92 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	85	79425	20.0	18.2	
93 m-Xylene & p-Xylene	106	8.780	8.780	0.000	0	128074	20.0	18.7	
94 n-Butyl acrylate	73	9.273	9.273	0.000	94	57188	20.0	20.2	
95 o-Xylene	106	9.282	9.282	0.000	91	128906	20.0	17.9	
96 Styrene	104	9.314	9.314	0.000	88	202568	20.0	17.5	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	86	230797	20.0	28.4	
98 Bromoform	173	9.528	9.528	0.000	48	41156	20.0	19.0	
99 Isopropylbenzene	105	9.660	9.660	0.000	97	366263	20.0	18.0	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	80	164890	50.0	45.5	
101 Bromobenzene	156	9.972	9.972	0.000	86	74180	20.0	17.2	
102 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	95	82806	20.0	22.7	
103 N-Propylbenzene	91	10.038	10.038	0.000	98	435095	20.0	20.1	
104 1,2,3-Trichloropropane	110	10.054	10.054	0.000	91	28855	20.0	20.7	
105 trans-1,4-Dichloro-2-butene	53	10.070	10.070	0.000	72	26597	20.0	60.1	
106 2-Chlorotoluene	91	10.128	10.128	0.000	95	297429	20.0	19.5	
107 4-Ethyltoluene	105	10.136	10.136	0.000	97	353503	20.0	19.1	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	92	307871	20.0	19.3	
109 4-Chlorotoluene	91	10.227	10.227	0.000	98	246178	20.0	18.6	
110 Butyl Methacrylate	87	10.284	10.284	0.000	89	97096	20.0	19.4	
111 tert-Butylbenzene	119	10.440	10.440	0.000	88	229801	20.0	17.6	
112 1,2,4-Trimethylbenzene	105	10.489	10.489	0.000	98	314857	20.0	19.3	
113 sec-Butylbenzene	105	10.605	10.605	0.000	98	409822	20.0	20.6	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	89	162837	20.0	16.4	
114 4-Isopropyltoluene	119	10.711	10.711	0.000	96	354989	20.0	19.0	
* 116 1,4-Dichlorobenzene-d4	152	10.761	10.761	0.000	96	246187	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.777	10.777	0.000	88	159369	20.0	16.5	
118 1,2,3-Trimethylbenzene	105	10.794	10.794	0.000	98	336473	20.0	19.5	
119 Benzyl chloride	91	10.884	10.884	0.000	95	192466	20.0	18.9	
120 2,3-Dihydroindene	117	10.925	10.925	0.000	92	317285	20.0	18.1	
121 p-Diethylbenzene	119	10.974	10.974	0.000	92	190216	20.0	18.0	
122 n-Butylbenzene	92	10.991	10.991	0.000	96	196194	20.0	19.4	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	90	165772	20.0	16.3	
124 1,2,4,5-Tetramethylbenzene	119	11.451	11.451	0.000	96	340472	20.0	18.7	
125 1,2-Dibromo-3-Chloropropane	157	11.525	11.525	0.000	76	19555	20.0	17.9	
126 1,3,5-Trichlorobenzene	180	11.607	11.607	0.000	91	144977	20.0	17.1	
127 1,2,4-Trichlorobenzene	180	11.985	11.985	0.000	91	130818	20.0	16.8	
128 Hexachlorobutadiene	225	12.051	12.051	0.000	89	56747	20.0	17.9	
129 Naphthalene	128	12.141	12.141	0.000	97	339652	20.0	20.2	
130 1,2,3-Trichlorobenzene	180	12.297	12.297	0.000	93	116138	20.0	16.9	
S 131 1,2-Dichloroethene, Total	100				0		40.0	37.8	
S 133 Total BTEX	1				0		100.0	96.5	
S 132 Xylenes, Total	100				0		40.0	36.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
GASES Li_00429	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Jul-2021 15:41:19 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D

Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6 Operator ID:

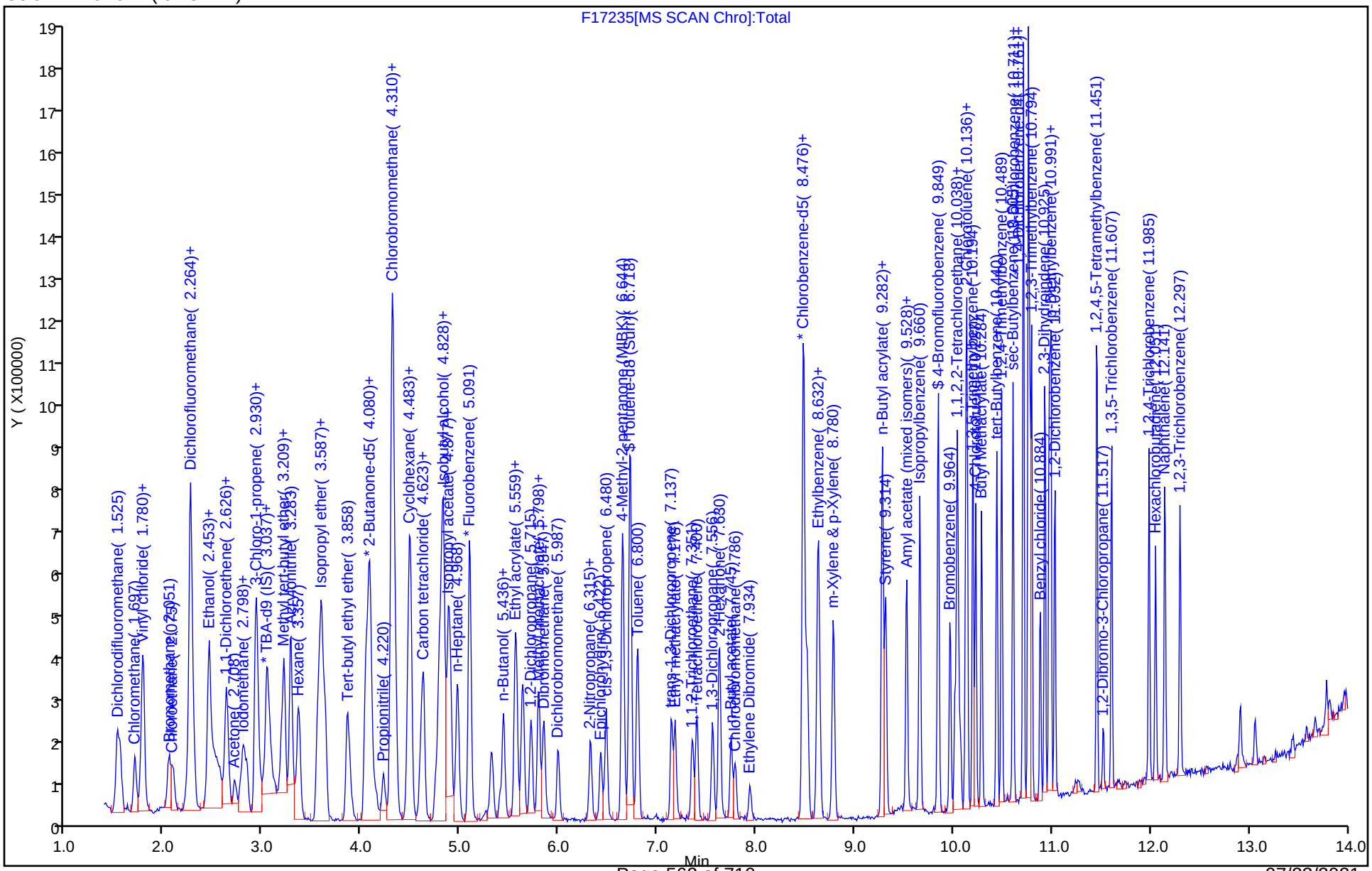
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

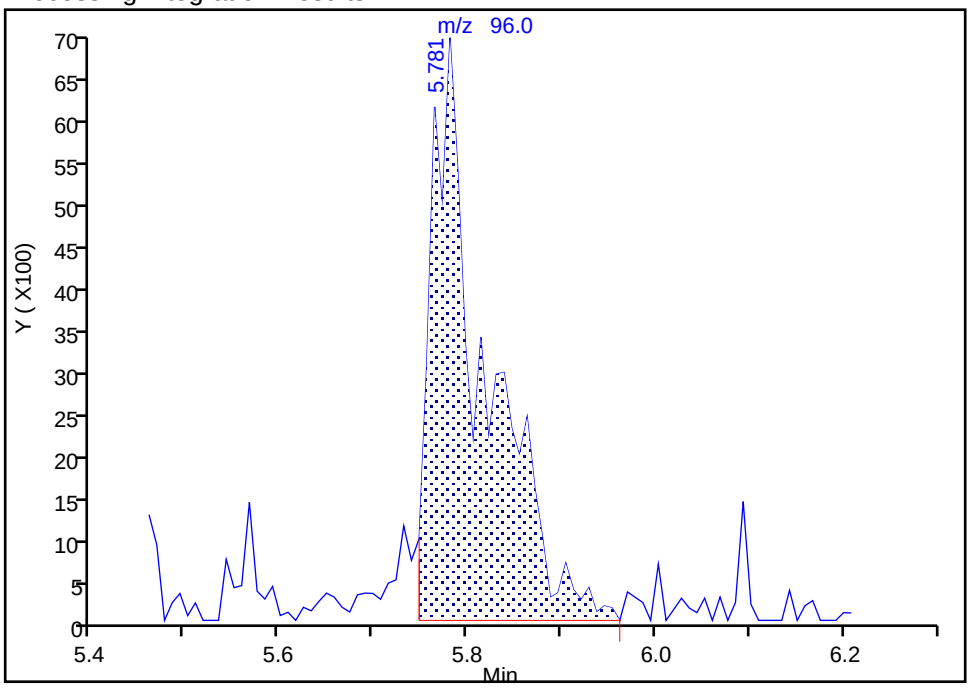
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

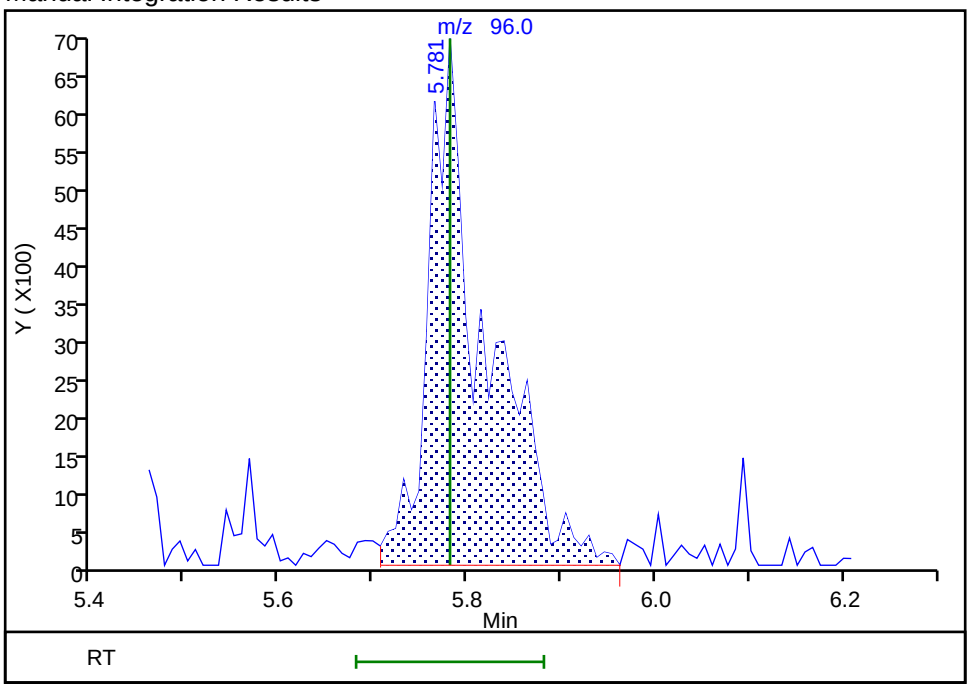
Processing Integration Results

RT: 5.78
Area: 27756
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.78
Area: 29250
Amount: 1000.0000
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 15:41:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

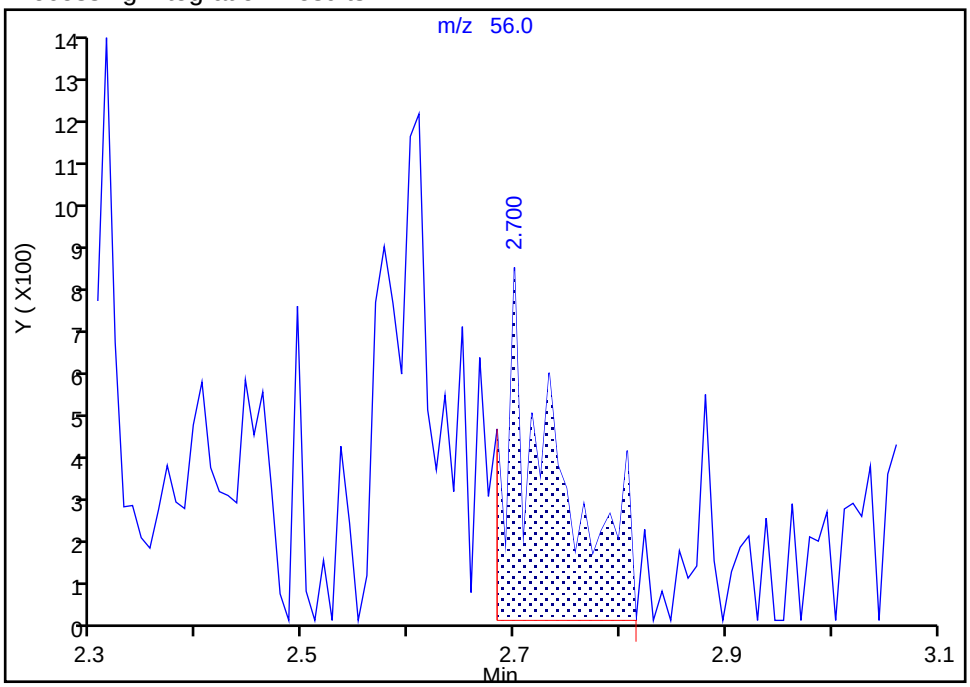
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

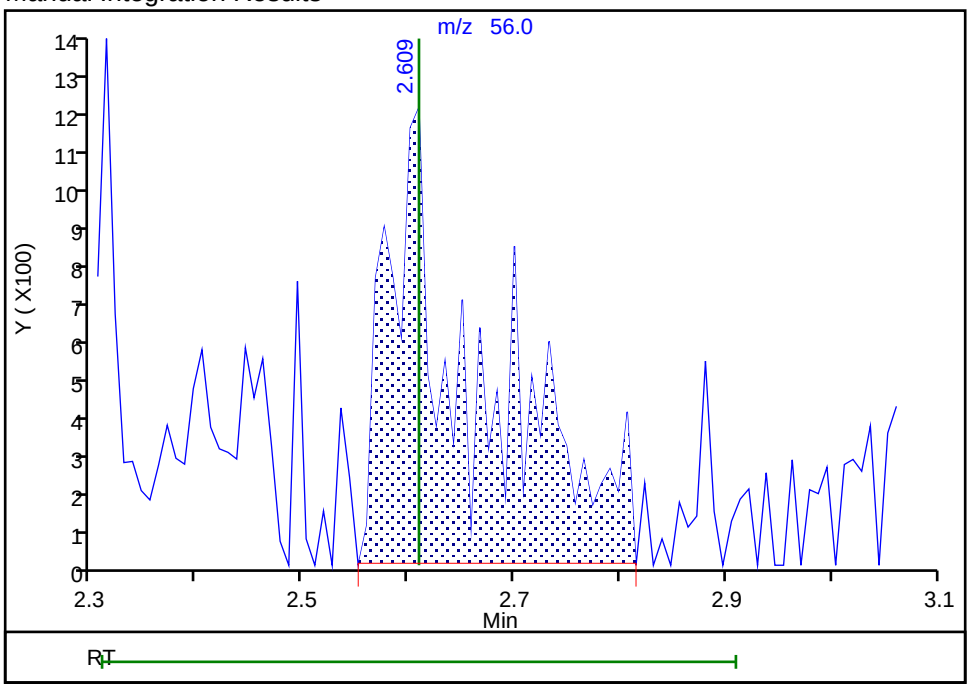
Processing Integration Results

RT: 2.70
Area: 2559
Amount: 4.233363
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 6685
Amount: 11.059020
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 15:39:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

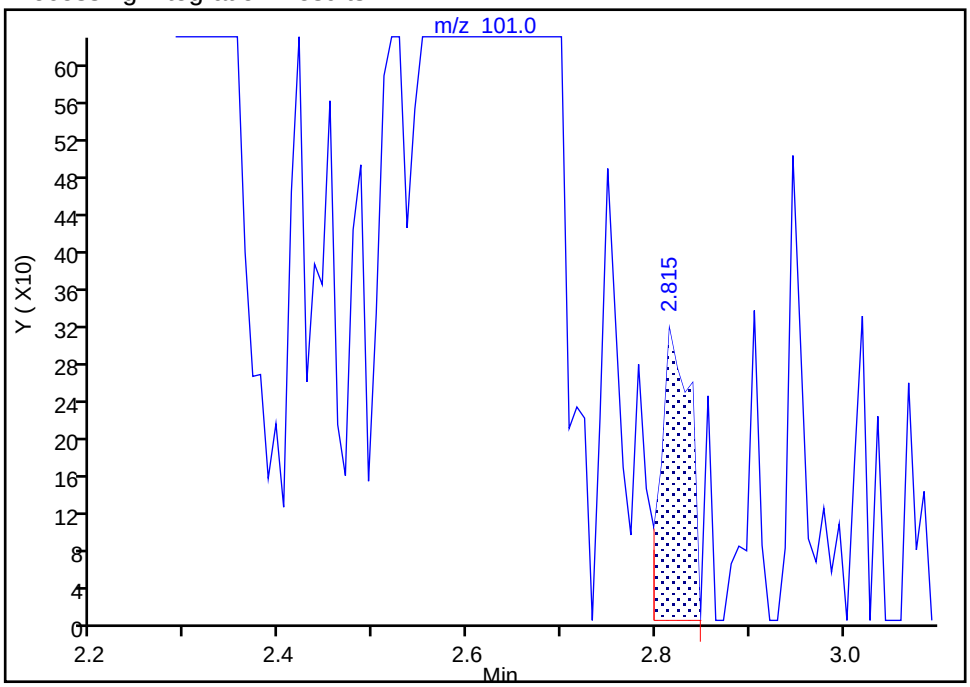
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 112TCTFE, CAS: 76-13-1

Signal: 1

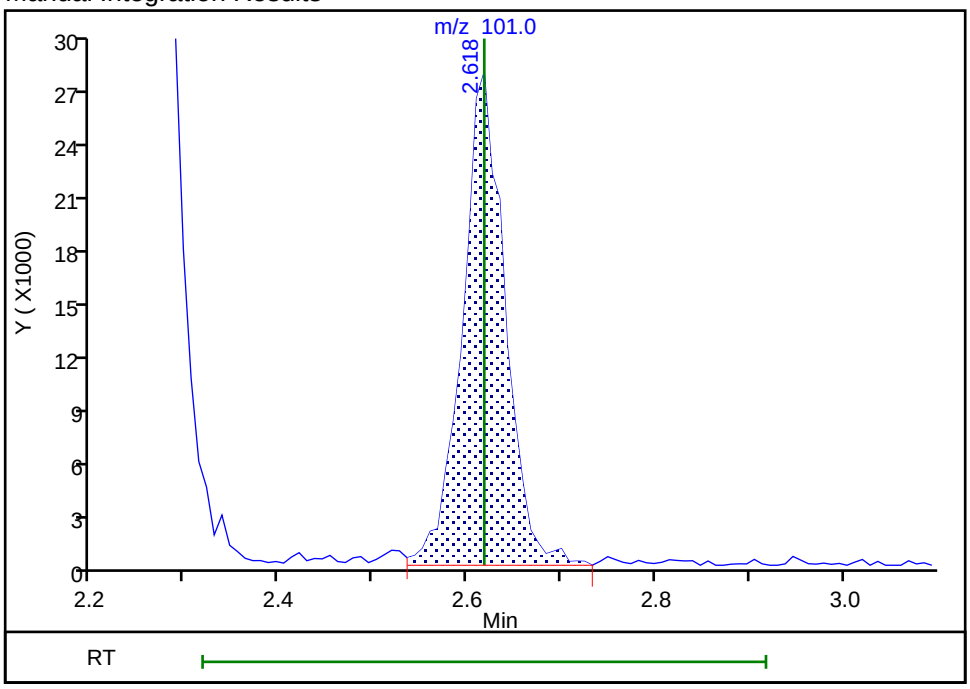
Processing Integration Results

RT: 2.81
Area: 668
Amount: 0.141083
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 88374
Amount: 18.664832
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 07:02:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

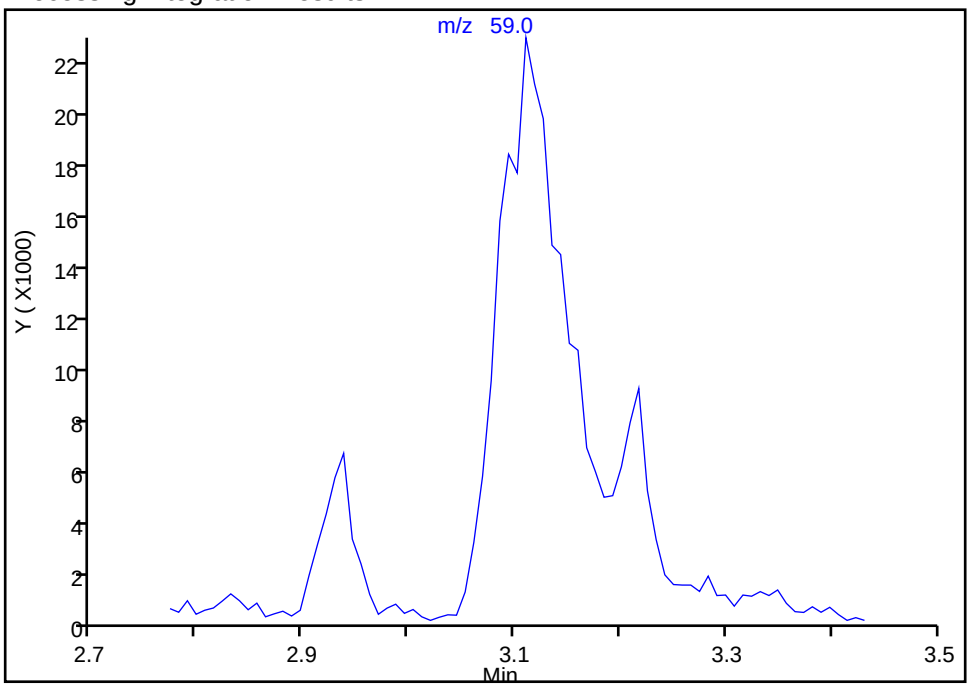
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

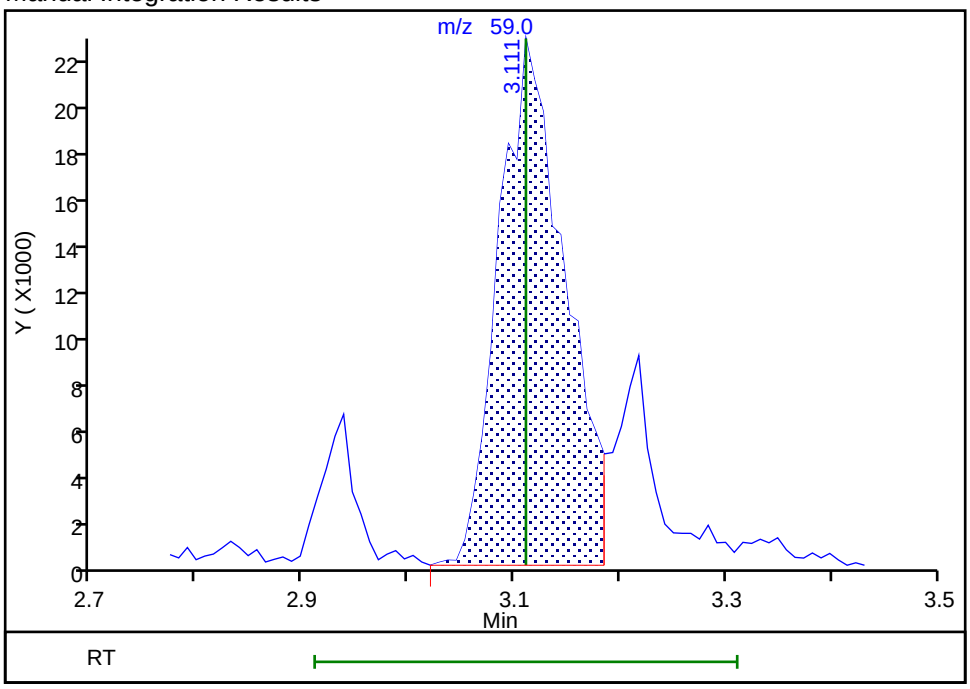
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 97603
Amount: 173.9365
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 07:02:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

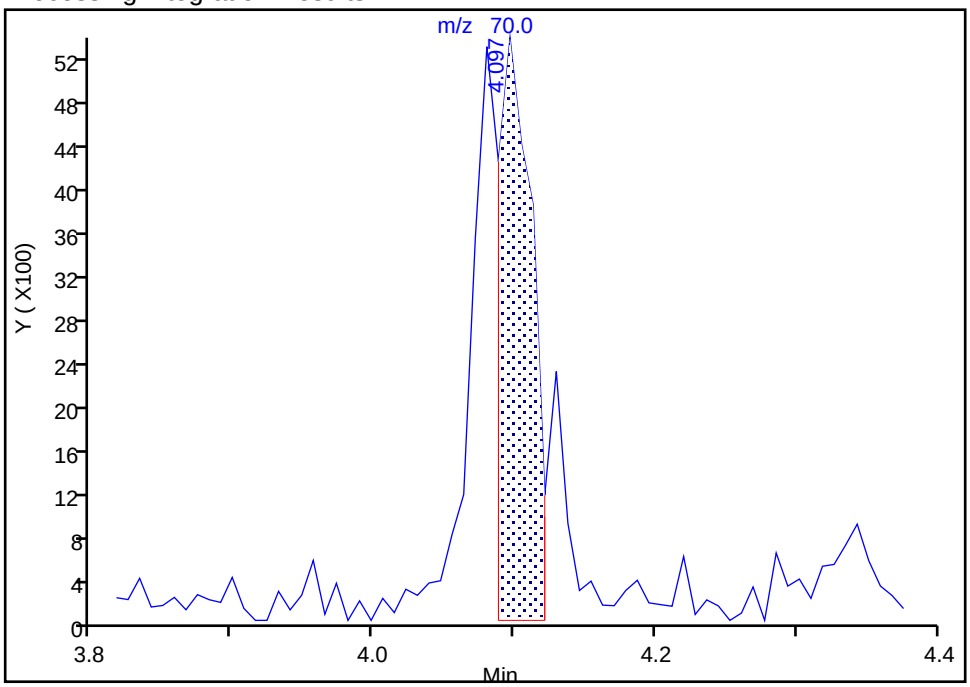
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

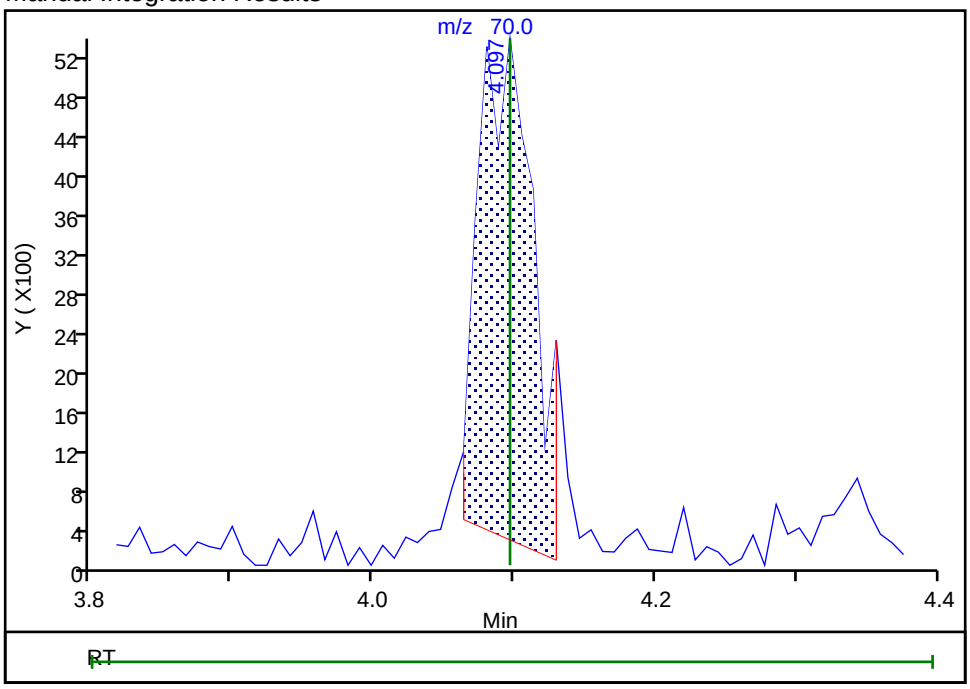
Processing Integration Results

RT: 4.10
Area: 9261
Amount: 18.678788
Amount Units: ug/l



Manual Integration Results

RT: 4.10
Area: 14113
Amount: 28.515287
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 07:03:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

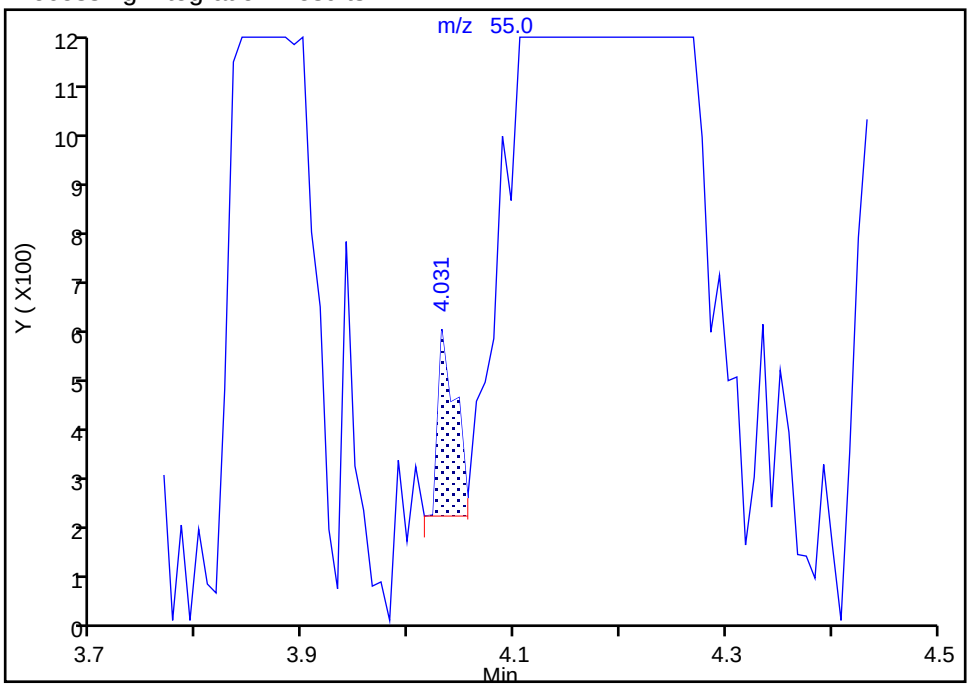
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

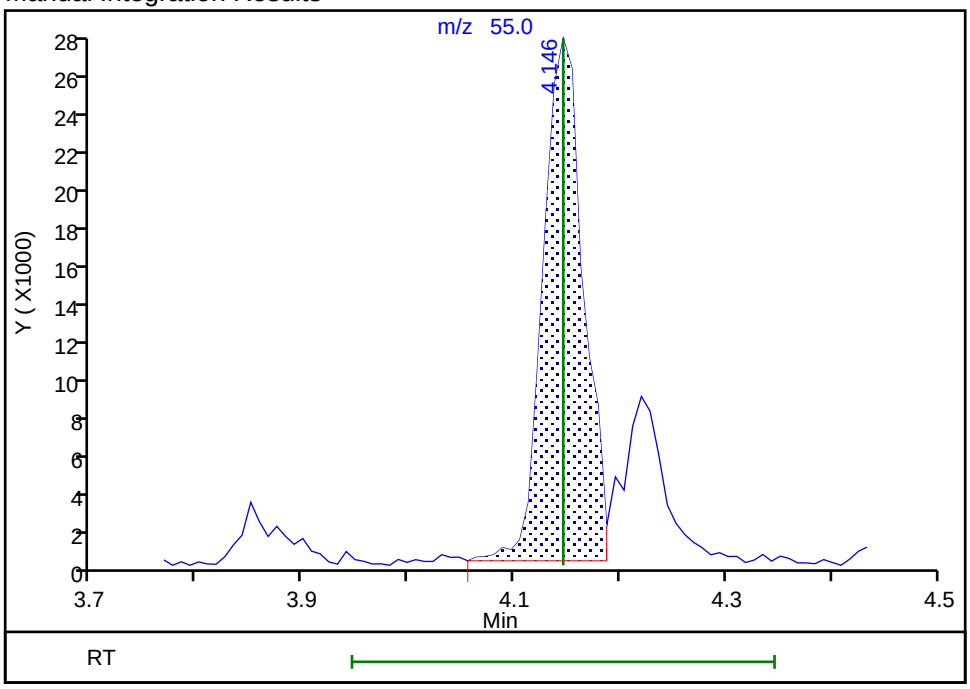
Processing Integration Results

RT: 4.03
Area: 410
Amount: 0.149653
Amount Units: ug/l



Manual Integration Results

RT: 4.15
Area: 72826
Amount: 26.582001
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 07:03:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

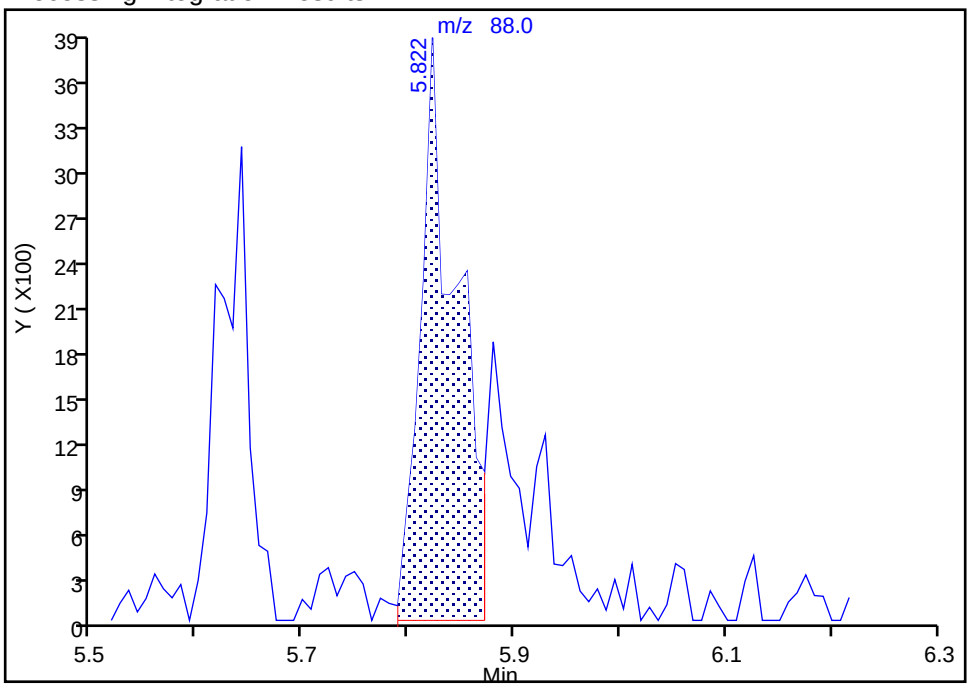
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17235.D
Injection Date: 21-Jul-2021 06:43:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

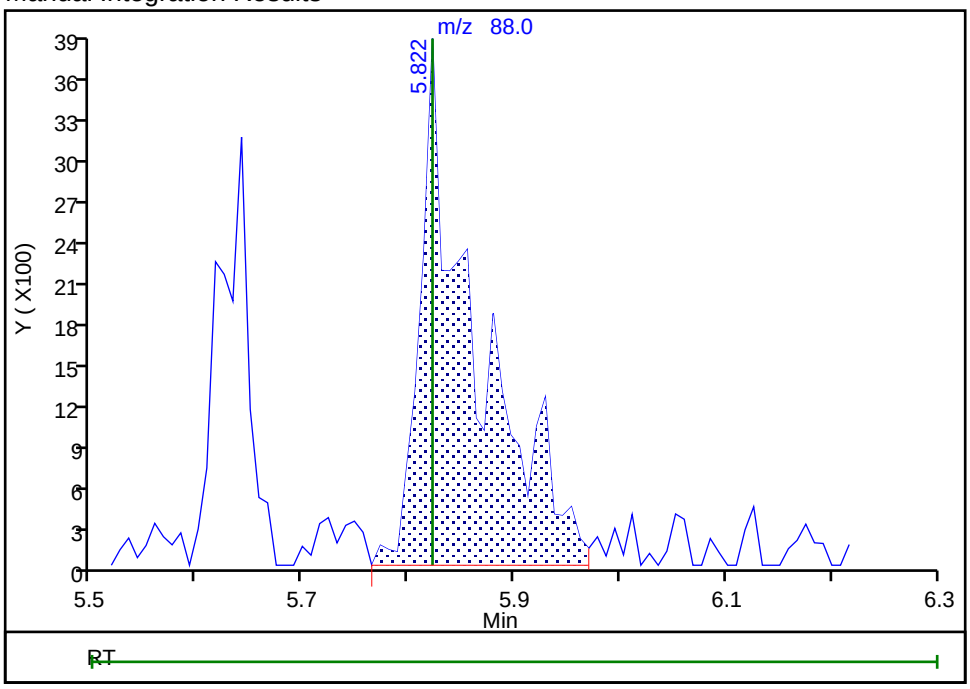
Processing Integration Results

RT: 5.82
Area: 9456
Amount: 349.2402
Amount Units: ug/l



Manual Integration Results

RT: 5.82
Area: 14118
Amount: 494.7901
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 15:40:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16850.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Jul-2021 07:58:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0131608-001				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\8260624W6.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	14-Jul-2021 21:34:34	Calib Date:	10-Jul-2021 11:23:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1643				
First Level Reviewer: tupayachia		Date:	10-Jul-2021 08:08:31		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

$ 134 BFB

QC Flag Legend

Processing Flags

Reagents:

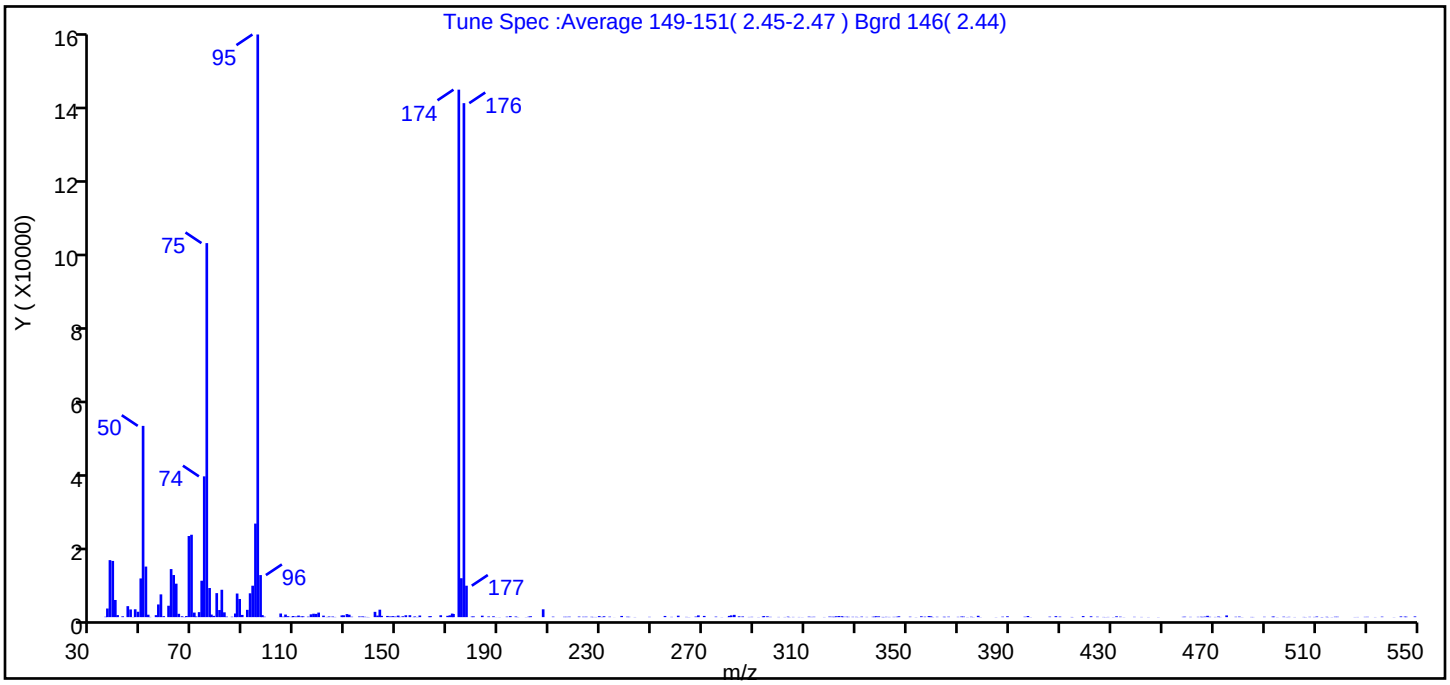
BFB_00029 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16850.D
Injection Date: 10-Jul-2021 07:58:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260D

$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (110.5)
96	5 to 9% of m/z 95	7.2
173	<2% of m/z 174	0.0 (0.0)
174	50 to 200% of m/z 95	90.5
175	5 to 9% of m/z 174	6.7 (7.4)
176	95 to 105% of m/z 174	88.2 (97.4)
177	5 to 10% of m/z 176	5.4 (6.1)

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16850.D\8260624W6.rslt\spectra.d
Injection Date: 10-Jul-2021 07:58:30
Spectrum: Tune Spec :Average 149-151(2.45-2.47) Bgrd 146(2.44)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	110	123.00	186	255.00	322	378.00	363
36.00	2333	124.00	162	258.00	75	379.00	40
37.00	15404	125.00	56	260.00	395	385.00	37
38.00	15189	128.00	477	263.00	68	387.00	127
39.00	4638	129.00	499	264.00	36	389.00	234
40.00	552	130.00	825	267.00	153	396.00	117
42.00	226	131.00	661	268.00	472	397.00	307
44.00	2972	132.00	112	270.00	329	398.00	36
45.00	2081	135.00	186	275.00	145	406.00	136
46.00	36	136.00	198	277.00	34	408.00	269
47.00	2126	137.00	100	280.00	21	410.00	141
48.00	1461	138.00	55	280.00	329	414.00	52
49.00	10459	139.00	35	281.00	476	415.00	34
50.00	51680	141.00	1432	282.00	615	419.00	284
51.00	13662	142.00	420	284.00	217	422.00	232
52.00	654	143.00	2018	285.00	186	425.00	116
53.00	60	144.00	347	288.00	58	427.00	54
55.00	534	146.00	324	289.00	85	428.00	37
56.00	3431	147.00	192	292.00	42	429.00	58
57.00	6154	148.00	274	293.00	158	431.00	38
58.00	258	149.00	151	294.00	285	432.00	230
60.00	3082	150.00	424	295.00	223	434.00	124
61.00	12991	151.00	73	296.00	80	435.00	33
62.00	11379	152.00	237	300.00	57	439.00	85
63.00	9043	153.00	507	302.00	47	442.00	54
64.00	902	155.00	528	303.00	136	445.00	41
65.00	232	156.00	29	304.00	33	448.00	36
66.00	40	157.00	195	305.00	62	458.00	88
67.00	301	158.00	48	308.00	51	459.00	120
68.00	21920	159.00	443	309.00	31	461.00	75
69.00	22264	162.00	196	311.00	138	464.00	84
70.00	1234	163.00	267	312.00	75	465.00	118
71.00	177	167.00	510	313.00	104	466.00	35

Report Date: 14-Jul-2021 21:34:35 Chrom Revision: 2.3 13-May-2021 07:57:40
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16850.D\8260624W6.rslt\spectra.d
Injection Date: 10-Jul-2021 07:58:30
Spectrum: Tune Spec :Average 149-151(2.45-2.47) Bgrd 146(2.44)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	1352	170.00	355	317.00	43	467.00	142
73.00	9839	170.00	492	320.00	150	468.00	359
74.00	38040	171.00	961	321.00	120	469.00	90
75.00	101064	172.00	850	321.00	71	471.00	57
76.00	7868	174.00	142528	322.00	233	472.00	171
77.00	693	175.00	10515	323.00	302	473.00	50
78.00	348	176.00	138880	324.00	242	475.00	465
79.00	6489	177.00	8498	325.00	111	479.00	105
80.00	1919	179.00	164	326.00	119	480.00	145
81.00	7399	180.00	180	327.00	85	481.00	36
82.00	1297	183.00	392	329.00	91	485.00	55
83.00	141	186.00	179	330.00	85	486.00	49
85.00	113	188.00	223	331.00	26	490.00	99
86.00	981	189.00	21	332.00	139	493.00	138
87.00	6381	190.00	34	334.00	66	494.00	139
88.00	4905	193.00	131	336.00	107	495.00	35
89.00	601	194.00	284	337.00	144	498.00	123
91.00	1975	196.00	174	338.00	237	499.00	46
92.00	6443	197.00	43	339.00	213	500.00	83
93.00	8494	200.00	35	340.00	59	502.00	43
94.00	25280	202.00	143	341.00	41	506.00	60
95.00	157440	202.00	238	342.00	88	506.00	37
96.00	11366	207.00	2123	343.00	61	508.00	86
97.00	542	211.00	133	345.00	77	510.00	59
98.00	125	215.00	98	346.00	114	511.00	169
103.00	10	216.00	99	347.00	235	513.00	38
104.00	983	217.00	129	351.00	120	513.00	42
105.00	119	221.00	157	353.00	36	515.00	98
106.00	698	223.00	110	356.00	230	515.00	40
107.00	259	224.00	120	357.00	121	517.00	39
108.00	101	226.00	89	358.00	294	518.00	111
109.00	300	227.00	56	359.00	217	519.00	107
110.00	169	228.00	48	360.00	41	526.00	43
111.00	426	229.00	281	362.00	98	527.00	50

Report Date: 14-Jul-2021 21:34:35 Chrom Revision: 2.3 13-May-2021 07:57:40
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16850.D\8260624W6.rslt\spectra.d
Injection Date: 10-Jul-2021 07:58:30
Spectrum: Tune Spec :Average 149-151(2.45-2.47) Bgrd 146(2.44)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	199	230.00	70	364.00	95	530.00	81
113.00	211	231.00	237	365.00	70	531.00	91
115.00	131	233.00	126	366.00	126	534.00	41
116.00	761	235.00	16	370.00	83	536.00	136
117.00	922	238.00	325	371.00	170	541.00	37
118.00	883	240.00	114	372.00	142	544.00	199
119.00	1233	241.00	87	374.00	37	545.00	147
121.00	402	243.00	42	375.00	109	546.00	111
122.00	57	249.00	82	376.00	39	549.00	200

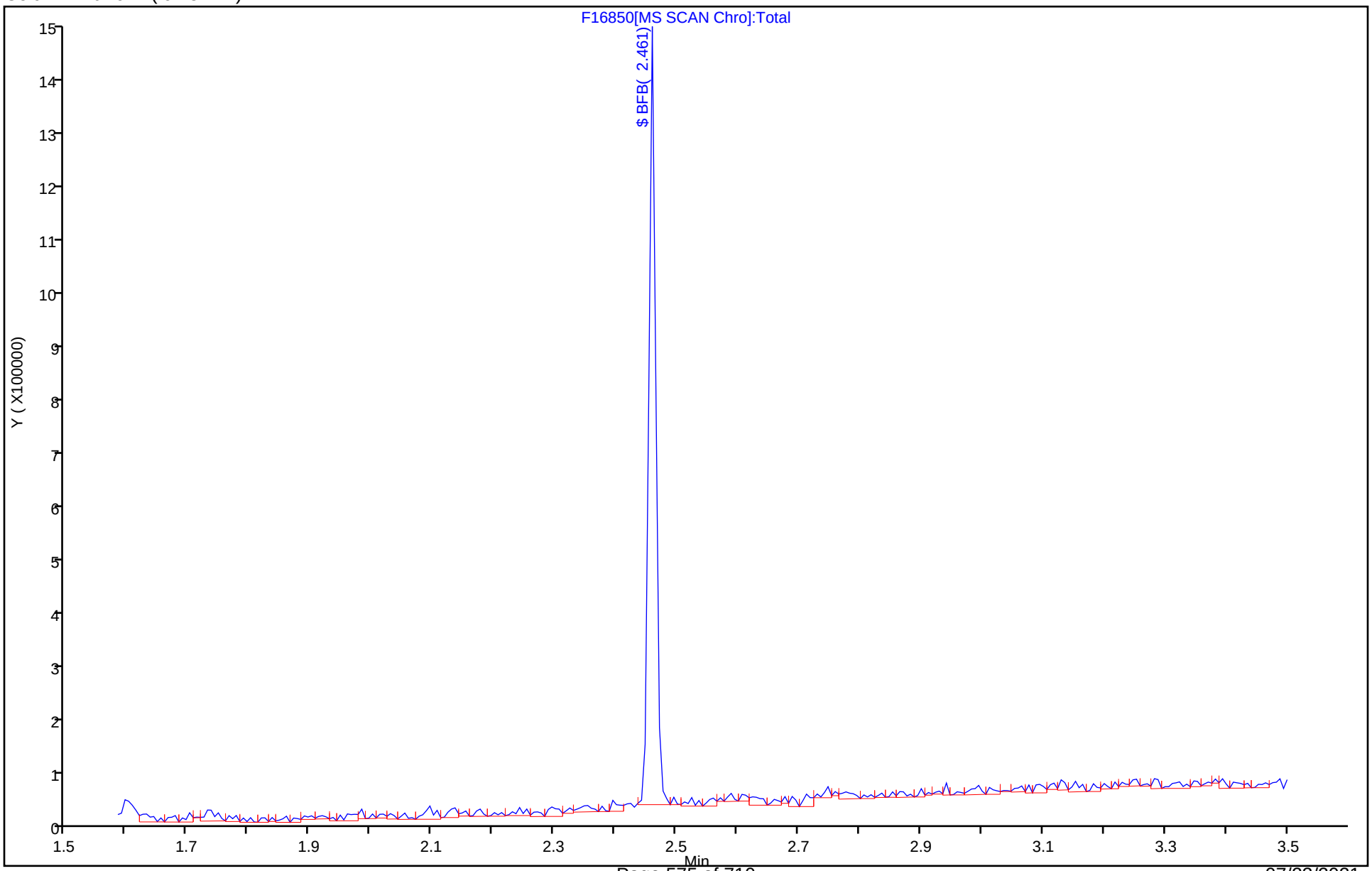
Report Date: 14-Jul-2021 21:34:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16850.D

Injection Date:	10-Jul-2021 07:58:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-791566/10

Matrix: Water Lab File ID: F17242.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 09:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.40
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
75-00-3	Chloroethane	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
67-64-1	Acetone	5.0	U	5.0	4.4
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
67-66-3	Chloroform	1.0	U	1.0	0.33
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
71-43-2	Benzene	1.0	U	1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
75-25-2	Bromoform	1.0	U	1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.1
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
108-88-3	Toluene	1.0	U	1.0	0.38
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
100-42-5	Styrene	1.0	U	1.0	0.42
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-791566/10

Matrix: Water Lab File ID: F17242.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 09:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
75-65-0	2-Methyl-2-propanol	10	U	10	8.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
123-91-1	1,4-Dioxane	50	U	50	28
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene	97		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17242.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Jul-2021 09:30:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0132123-010
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 21-Jul-2021 09:48:40 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: moroneyc Date: 21-Jul-2021 09:48:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.061	3.045	0.016	0	440220	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	477646	250.0	250.0	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	94	153389	50.0	49.6	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	267281	50.0	55.3	
* 61 Fluorobenzene	96	5.099	5.091	0.008	95	526053	50.0	50.0	
* 67 1,4-Dioxane-d8	96	5.797	5.781	0.016	0	27428	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	95	541485	50.0	54.4	
* 89 Chlorobenzene-d5	117	8.484	8.485	-0.001	95	387204	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	9.848	9.849	-0.001	82	173748	50.0	48.5	
* 116 1,4-Dichlorobenzene-d4	152	10.760	10.761	-0.001	96	255176	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00047 Amount Added: 5.00 Units: uL Run Reagent

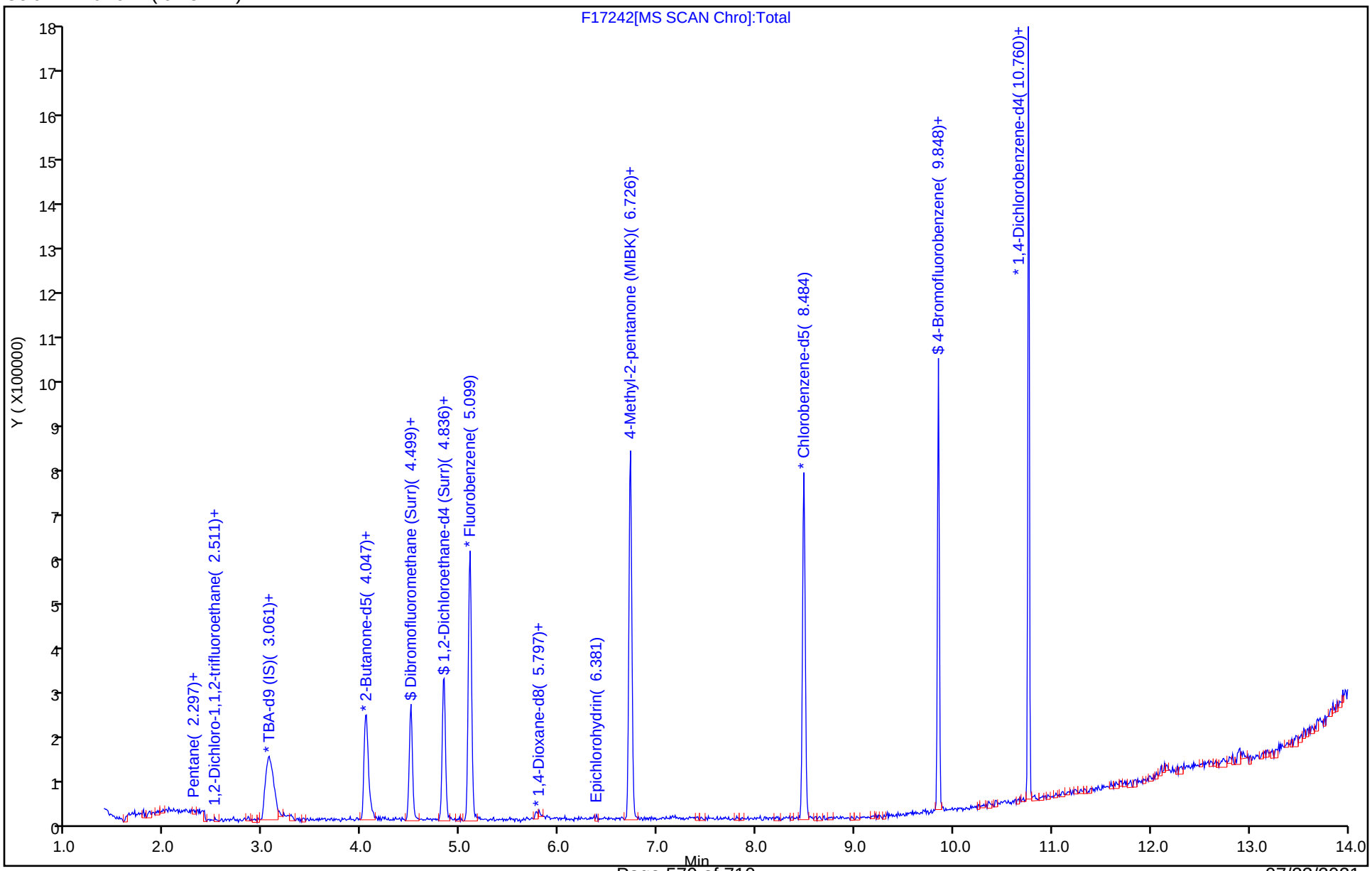
Report Date: 21-Jul-2021 09:48:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17242.D

Injection Date:	21-Jul-2021 09:30:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



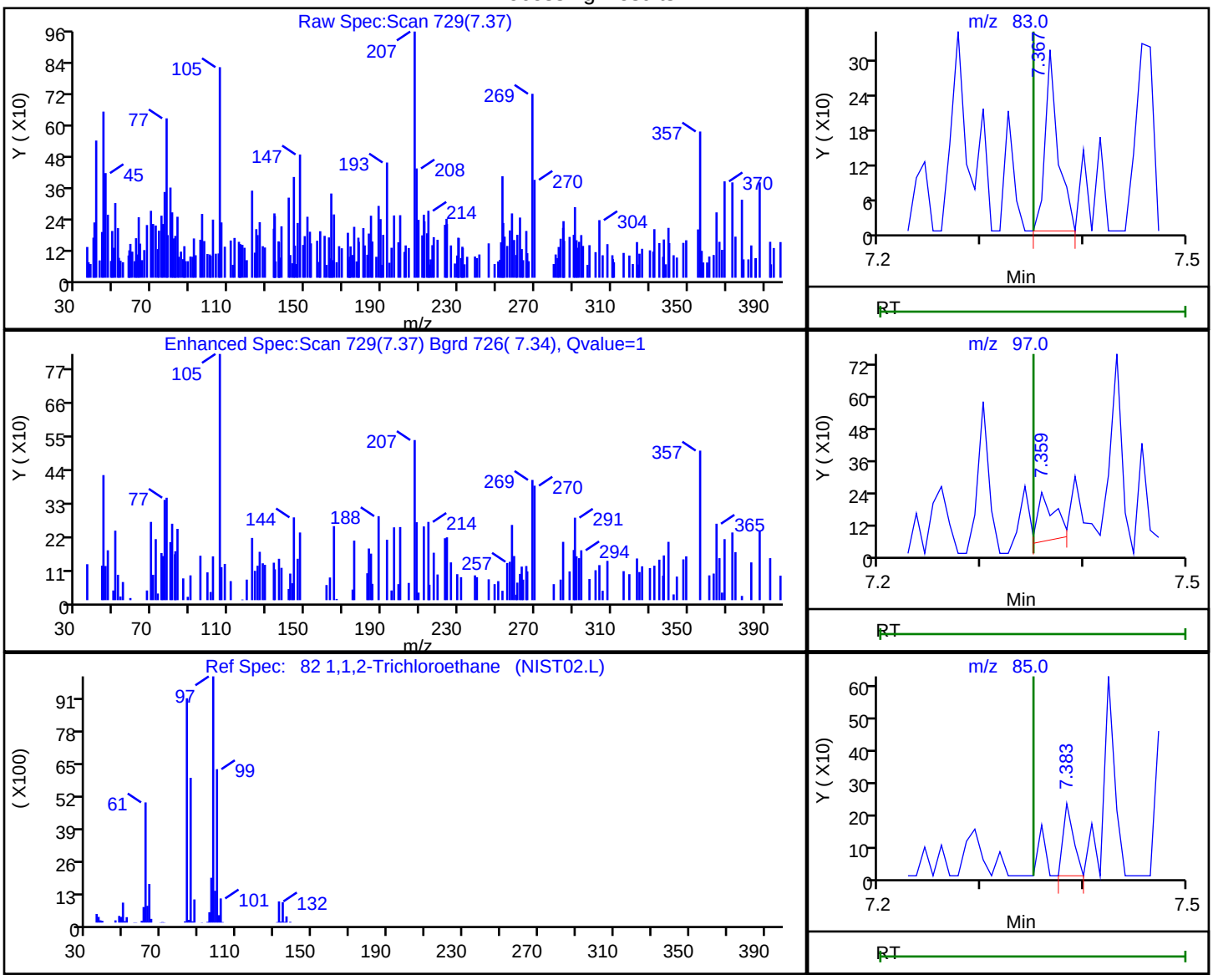
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17242.D
Injection Date: 21-Jul-2021 09:30:30 Instrument ID: CVOAMS6
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.37	83.00	278	0.124439
7.36	97.00	217	
7.38	85.00	158	

Reviewer: moroneyc, 21-Jul-2021 09:48:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

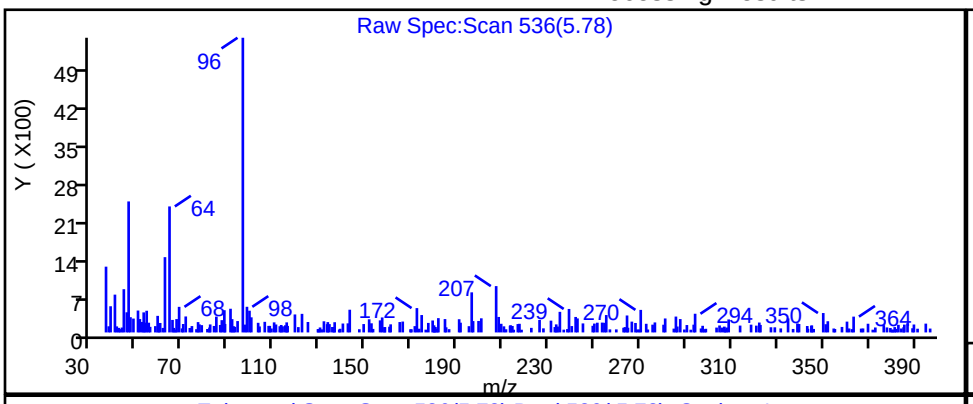
User Disabled Compound Report

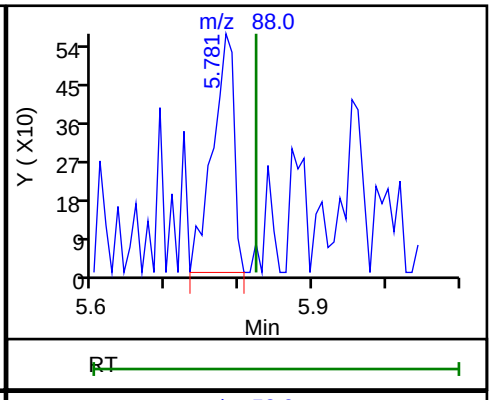
Eurofins TestAmerica, Edison

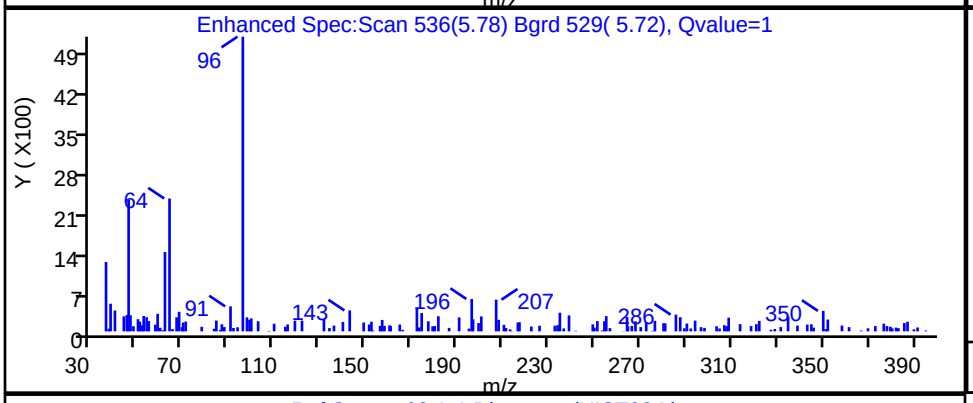
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17242.D
Injection Date: 21-Jul-2021 09:30:30 Instrument ID: CVOAMS6
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

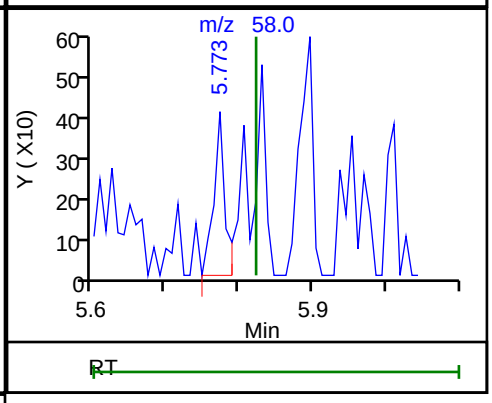
69 1,4-Dioxane, CAS: 123-91-1

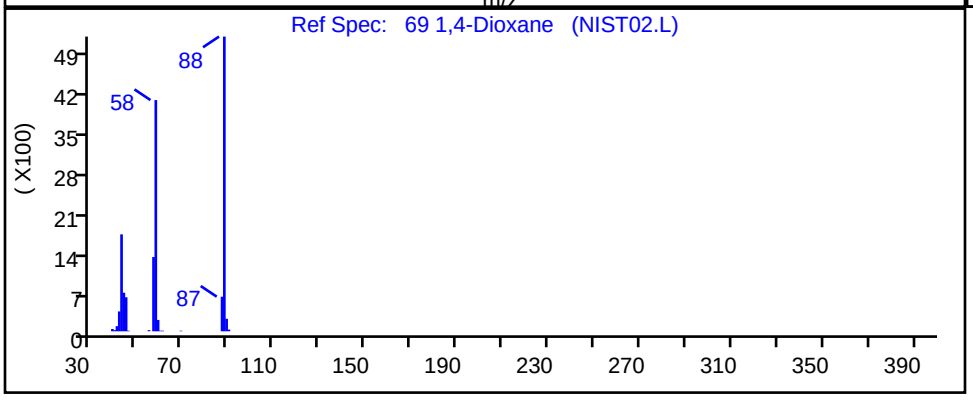
Processing Results











RT	Mass	Response	Amount
5.78	88.00	1149	42.943710
5.77	58.00	430	

Reviewer: moroneyc, 21-Jul-2021 09:48:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-791566/4

Matrix: Water Lab File ID: F17236.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 07:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	22.3		1.0	0.40
74-83-9	Bromomethane	17.6		1.0	0.55
75-01-4	Vinyl chloride	22.1		1.0	0.17
75-00-3	Chloroethane	24.4		1.0	0.32
75-09-2	Methylene Chloride	19.8		1.0	0.32
67-64-1	Acetone	107		5.0	4.4
75-15-0	Carbon disulfide	22.1		1.0	0.82
75-69-4	Trichlorofluoromethane	18.5		1.0	0.32
75-35-4	1,1-Dichloroethene	18.3		1.0	0.26
75-34-3	1,1-Dichloroethane	23.0		1.0	0.26
156-60-5	trans-1,2-Dichloroethene	19.6		1.0	0.24
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.22
67-66-3	Chloroform	19.4		1.0	0.33
107-06-2	1,2-Dichloroethane	18.8		1.0	0.43
78-93-3	2-Butanone (MEK)	83.0		5.0	1.9
71-55-6	1,1,1-Trichloroethane	18.5		1.0	0.24
56-23-5	Carbon tetrachloride	17.3		1.0	0.21
75-27-4	Dichlorobromomethane	19.9		1.0	0.34
78-87-5	1,2-Dichloropropane	23.4		1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	24.0		1.0	0.22
79-01-6	Trichloroethene	17.4		1.0	0.31
124-48-1	Chlorodibromomethane	19.2		1.0	0.28
79-00-5	1,1,2-Trichloroethane	22.6		1.0	0.20
71-43-2	Benzene	21.7		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	24.6		1.0	0.22
75-25-2	Bromoform	20.6		1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	92.5		5.0	1.3
591-78-6	2-Hexanone	87.9		5.0	1.1
127-18-4	Tetrachloroethene	16.9		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	23.4		1.0	0.37
108-88-3	Toluene	19.8		1.0	0.38
108-90-7	Chlorobenzene	18.6		1.0	0.38
100-41-4	Ethylbenzene	18.2		1.0	0.30
100-42-5	Styrene	19.2		1.0	0.42
179601-23-1	m-Xylene & p-Xylene	18.6		1.0	0.30
95-47-6	o-Xylene	19.0		1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-791566/4

Matrix: Water Lab File ID: F17236.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 07:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	37.6		2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.7		1.0	0.31
75-65-0	2-Methyl-2-propanol	234		10	8.3
1634-04-4	Methyl tert-butyl ether	20.7		1.0	0.22
110-82-7	Cyclohexane	19.5		1.0	0.32
106-93-4	Ethylene Dibromide	18.8		1.0	0.50
541-73-1	1,3-Dichlorobenzene	16.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	17.5		1.0	0.33
95-50-1	1,2-Dichlorobenzene	17.0		1.0	0.21
75-71-8	Dichlorodifluoromethane	17.0		1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	17.1		1.0	0.37
123-91-1	1,4-Dioxane	479		50	28
630-20-6	1,1,1,2-Tetrachloroethane	17.2		1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	17.9		1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		1.0	0.38
74-97-5	Chlorobromomethane	17.1		1.0	0.41
98-82-8	Isopropylbenzene	18.7		1.0	0.34
79-20-9	Methyl acetate	59.1		5.0	0.79
108-87-2	Methylcyclohexane	19.9		1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene	96		76-120
1868-53-7	Dibromofluoromethane (Surr)	96		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17236.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Jul-2021 07:07:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0132123-004
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:41:18 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: moroneyc Date: 21-Jul-2021 07:37:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.541	1.533	0.008	62	126391	20.0	17.0	
2 Chloromethane	50	1.706	1.697	0.009	100	162816	20.0	22.3	
3 Vinyl chloride	62	1.788	1.780	0.008	82	150569	20.0	22.1	
4 Butadiene	54	1.788	1.780	0.008	89	157210	20.0	20.9	
5 Bromomethane	94	2.051	2.043	0.009	98	98430	20.0	17.6	
6 Chloroethane	64	2.092	2.092	0.000	99	100029	20.0	24.4	
7 Dichlorofluoromethane	67	2.264	2.256	0.008	98	241100	20.0	23.0	
8 Pentane	72	2.273	2.264	0.009	96	40045	40.0	35.2	
9 Trichlorofluoromethane	101	2.289	2.273	0.016	65	181617	20.0	18.5	
10 Ethanol	46	2.453	2.404	0.049	77	8703	800.0	515.5	
11 Ethyl ether	59	2.445	2.437	0.008	91	72423	20.0	22.5	
12 2-Methyl-1,3-butadiene	53	2.462	2.462	0.000	92	96374	20.0	23.9	
15 Acrolein	56	2.724	2.609	0.115	1	2960	40.6	5.11	
16 112TCTFE	101	2.626	2.618	0.008	88	87290	20.0	18.7	a
17 1,1-Dichloroethene	96	2.651	2.626	0.025	92	69111	20.0	18.3	
18 Acetone	43	2.716	2.708	0.008	72	198218	100.0	107.3	
19 Iodomethane	142	2.782	2.782	0.000	98	124060	20.0	15.2	
20 Isopropyl alcohol	45	2.823	2.798	0.025	31	51139	200.0	269.0	
21 Carbon disulfide	76	2.823	2.831	-0.008	98	309511	20.0	22.1	
22 3-Chloro-1-propene	41	2.930	2.922	0.008	82	222704	20.0	32.4	
23 Methyl acetate	43	2.938	2.930	0.008	75	170442	40.0	59.1	
24 Cyclopentene	67	2.946	2.938	0.008	93	205212	20.0	23.1	
25 Acetonitrile	41	3.012	3.004	0.008	19	126503	200.0	196.0	a
27 Methylene Chloride	84	3.045	3.037	0.008	92	85773	20.0	19.8	
* 26 TBA-d9 (IS)	65	3.053	3.045	0.008	0	401421	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.127	3.111	0.016	29	125677	200.0	233.9	a
29 Methyl tert-butyl ether	73	3.201	3.193	0.008	96	273713	20.0	20.7	
30 trans-1,2-Dichloroethene	96	3.218	3.218	0.000	96	73257	20.0	19.6	
31 Acrylonitrile	53	3.283	3.283	0.000	90	357652	200.0	246.1	
32 Hexane	43	3.365	3.357	0.008	91	104386	20.0	29.5	
33 Isopropyl ether	45	3.554	3.563	-0.009	95	370039	20.0	29.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.587	3.587	0.000	98	162977	20.0	23.0	
35 Vinyl acetate	86	3.595	3.604	-0.009	100	32423	40.0	39.5	
36 2-Chloro-1,3-butadiene	88	3.628	3.637	-0.009	96	62750	20.0	19.8	
37 Tert-butyl ethyl ether	59	3.858	3.858	0.000	88	292994	20.0	22.7	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	486431	250.0	250.0	
39 2,2-Dichloropropane	97	4.064	4.072	-0.008	90	32377	20.0	21.8	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	86	79864	20.0	18.7	
41 2-Butanone (MEK)	72	4.097	4.089	0.008	94	43854	100.0	83.0	
42 Ethyl acetate	70	4.088	4.097	-0.009	93	14926	40.0	30.7	
43 Methyl acrylate	55	4.146	4.146	0.000	53	73535	20.0	27.6	
44 Propionitrile	54	4.220	4.220	0.000	96	132752	200.0	232.0	
45 Chlorobromomethane	128	4.302	4.294	0.008	89	37571	20.0	17.1	
46 Tetrahydrofuran	72	4.310	4.302	0.008	71	21876	40.0	29.2	
47 Methacrylonitrile	67	4.319	4.310	0.009	98	312566	200.0	227.9	
48 Chloroform	83	4.351	4.343	0.008	95	145949	20.0	19.4	
49 Cyclohexane	84	4.475	4.483	-0.008	95	128216	20.0	19.5	
50 1,1,1-Trichloroethane	97	4.491	4.491	0.000	89	146484	20.0	18.5	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	94	147073	50.0	48.0	
52 Carbon tetrachloride	117	4.606	4.606	0.000	92	115224	20.0	17.3	
53 1,1-Dichloropropene	75	4.623	4.631	-0.008	81	109317	20.0	21.0	
54 Isobutyl alcohol	43	4.787	4.787	0.000	91	197362	500.0	575.3	
55 Benzene	78	4.820	4.820	0.000	97	284512	20.0	21.7	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.828	4.828	0.000	0	252402	50.0	52.7	
57 Isopropyl acetate	43	4.877	4.877	0.000	89	389735	20.0	32.4	
58 Tert-amyl methyl ether	73	4.877	4.886	-0.009	75	272205	20.0	19.8	
59 1,2-Dichloroethane	62	4.902	4.902	0.000	74	135708	20.0	18.8	
60 n-Heptane	57	4.968	4.968	0.000	95	75740	20.0	29.4	
* 61 Fluorobenzene	96	5.099	5.091	0.008	96	521054	50.0	50.0	
62 n-Butanol	56	5.395	5.403	-0.008	89	51344	500.0	589.0	
63 Trichloroethene	95	5.444	5.436	0.008	92	65323	20.0	17.4	
64 Ethyl acrylate	55	5.559	5.559	0.000	92	233199	20.0	24.3	
65 Methylcyclohexane	83	5.568	5.568	0.000	81	139547	20.0	19.9	
66 1,2-Dichloropropane	63	5.715	5.715	0.000	77	80484	20.0	23.4	
* 67 1,4-Dioxane-d8	96	5.773	5.781	-0.008	0	29270	1000.0	1000.0	
68 Methyl methacrylate	100	5.798	5.789	0.009	87	33995	40.0	32.7	
69 1,4-Dioxane	88	5.822	5.822	0.000	25	13687	400.0	479.4	M
70 Dibromomethane	93	5.847	5.839	0.008	46	44472	20.0	18.6	
71 n-Propyl acetate	43	5.855	5.847	0.008	96	136090	20.0	28.8	
72 Dichlorobromomethane	83	5.995	5.987	0.008	95	104123	20.0	19.9	
73 2-Nitropropane	41	6.323	6.315	0.008	85	68528	40.0	41.2	
74 2-Chloroethyl vinyl ether	63	6.323	6.324	-0.001	56	35827	20.0	20.7	
75 Epichlorohydrin	57	6.430	6.422	0.008	98	147889	400.0	327.5	
76 cis-1,3-Dichloropropene	75	6.480	6.480	0.000	87	108064	20.0	24.0	
77 4-Methyl-2-pentanone (MIBK)	43	6.644	6.644	0.000	98	567513	100.0	92.5	
$ 78 Toluene-d8 (Surr)	98	6.718	6.726	-0.008	97	535956	50.0	54.8	
79 Toluene	91	6.800	6.800	0.000	90	286058	20.0	19.8	
80 trans-1,3-Dichloropropene	75	7.145	7.137	0.008	93	106245	20.0	24.6	
81 Ethyl methacrylate	69	7.178	7.178	0.000	94	96866	20.0	24.4	
82 1,1,2-Trichloroethane	83	7.351	7.351	0.000	87	49530	20.0	22.6	
83 Tetrachloroethene	166	7.400	7.400	0.000	90	66995	20.0	16.9	
84 1,3-Dichloropropane	76	7.556	7.556	0.000	86	100486	20.0	21.9	
85 2-Hexanone	43	7.630	7.622	0.008	96	338609	100.0	87.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 n-Butyl acetate	43	7.745	7.745	0.000	94	174364	20.0	32.4	
87 Chlorodibromomethane	129	7.786	7.786	0.000	95	60739	20.0	19.2	
88 Ethylene Dibromide	107	7.934	7.934	0.000	98	51482	20.0	18.8	
* 89 Chlorobenzene-d5	117	8.485	8.485	0.000	94	380165	50.0	50.0	
90 Chlorobenzene	112	8.517	8.517	0.000	90	180225	20.0	18.6	
91 Ethylbenzene	106	8.624	8.624	0.000	99	97361	20.0	18.2	
92 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	89	72840	20.0	17.2	
93 m-Xylene & p-Xylene	106	8.780	8.780	0.000	0	123855	20.0	18.6	
94 n-Butyl acrylate	73	9.282	9.273	0.009	93	58709	20.0	21.4	
95 o-Xylene	106	9.282	9.282	0.000	91	133004	20.0	19.0	
96 Styrene	104	9.314	9.314	0.000	92	215971	20.0	19.2	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	86	224275	20.0	28.1	
98 Bromoform	173	9.528	9.528	0.000	48	43282	20.0	20.6	
99 Isopropylbenzene	105	9.660	9.660	0.000	97	369649	20.0	18.7	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	82	168512	50.0	47.9	
101 Bromobenzene	156	9.964	9.972	-0.008	87	77684	20.0	18.4	
102 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	94	84128	20.0	23.4	
103 N-Propylbenzene	91	10.038	10.038	0.000	97	453574	20.0	21.3	
104 1,2,3-Trichloropropane	110	10.054	10.054	0.000	92	26759	20.0	19.5	
105 trans-1,4-Dichloro-2-butene	53	10.070	10.070	0.000	1	19663	20.0	46.5	
106 2-Chlorotoluene	91	10.128	10.128	0.000	96	300377	20.0	20.0	
107 4-Ethyltoluene	105	10.136	10.136	0.000	97	358707	20.0	19.7	
108 1,3,5-Trimethylbenzene	105	10.194	10.202	-0.008	91	306545	20.0	19.6	
109 4-Chlorotoluene	91	10.227	10.227	0.000	98	270230	20.0	20.8	
110 Butyl Methacrylate	87	10.284	10.284	0.000	90	100378	20.0	20.4	
111 tert-Butylbenzene	119	10.440	10.440	0.000	90	233054	20.0	18.2	
112 1,2,4-Trimethylbenzene	105	10.489	10.489	0.000	98	320051	20.0	19.9	
113 sec-Butylbenzene	105	10.605	10.605	-0.001	97	405163	20.0	20.7	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	67	159402	20.0	16.4	
114 4-Isopropyltoluene	119	10.711	10.711	0.000	95	348183	20.0	19.0	
* 116 1,4-Dichlorobenzene-d4	152	10.761	10.761	0.000	96	242023	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.777	10.777	0.000	90	166224	20.0	17.5	
118 1,2,3-Trimethylbenzene	105	10.793	10.794	-0.001	98	329905	20.0	19.4	
119 Benzyl chloride	91	10.884	10.884	0.000	96	191911	20.0	19.2	
120 2,3-Dihydroindene	117	10.925	10.925	0.000	93	315923	20.0	18.4	
121 p-Diethylbenzene	119	10.974	10.974	0.000	91	186563	20.0	18.0	
122 n-Butylbenzene	92	10.991	10.991	0.000	96	205333	20.0	20.7	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	90	170261	20.0	17.0	
124 1,2,4,5-Tetramethylbenzene	119	11.459	11.451	0.008	96	333076	20.0	18.6	
125 1,2-Dibromo-3-Chloropropane	157	11.525	11.525	0.000	78	19195	20.0	17.8	
126 1,3,5-Trichlorobenzene	180	11.607	11.607	0.000	93	141174	20.0	17.0	
127 1,2,4-Trichlorobenzene	180	11.985	11.985	0.000	91	131324	20.0	17.1	
128 Hexachlorobutadiene	225	12.051	12.051	0.000	87	53442	20.0	17.1	
129 Naphthalene	128	12.149	12.141	0.008	97	332538	20.0	20.1	
130 1,2,3-Trichlorobenzene	180	12.305	12.297	0.008	94	121005	20.0	17.9	
S 131 1,2-Dichloroethene, Total	100				0		40.0	38.3	
S 133 Total BTEX	1				0		100.0	97.3	
S 132 Xylenes, Total	100				0		40.0	37.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
GASES Li_00429	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Jul-2021 15:41:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17236.D

Injection Date: 21-Jul-2021 07:07:30 Instrument ID: CVOAMS6 Operator ID:

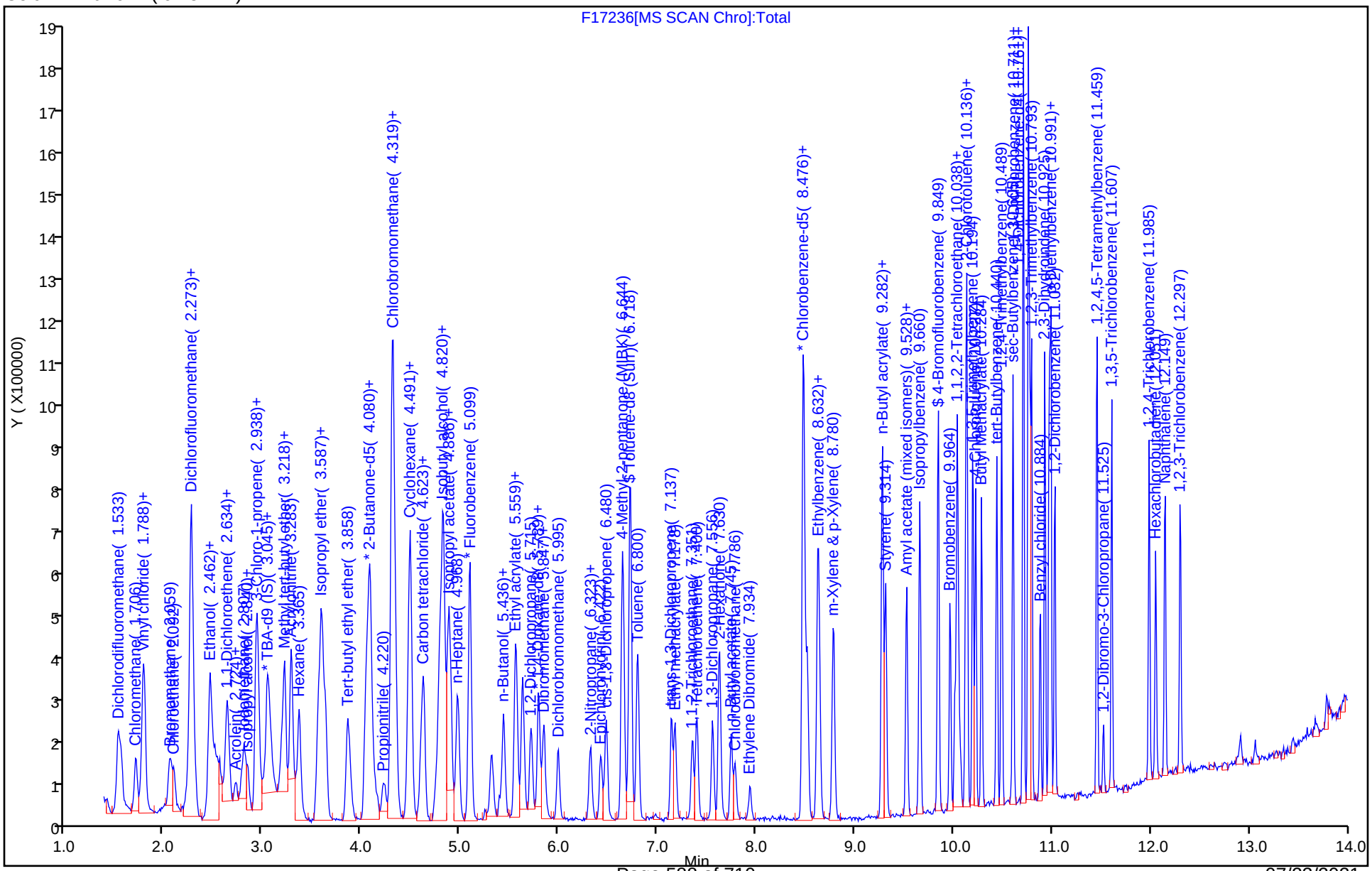
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

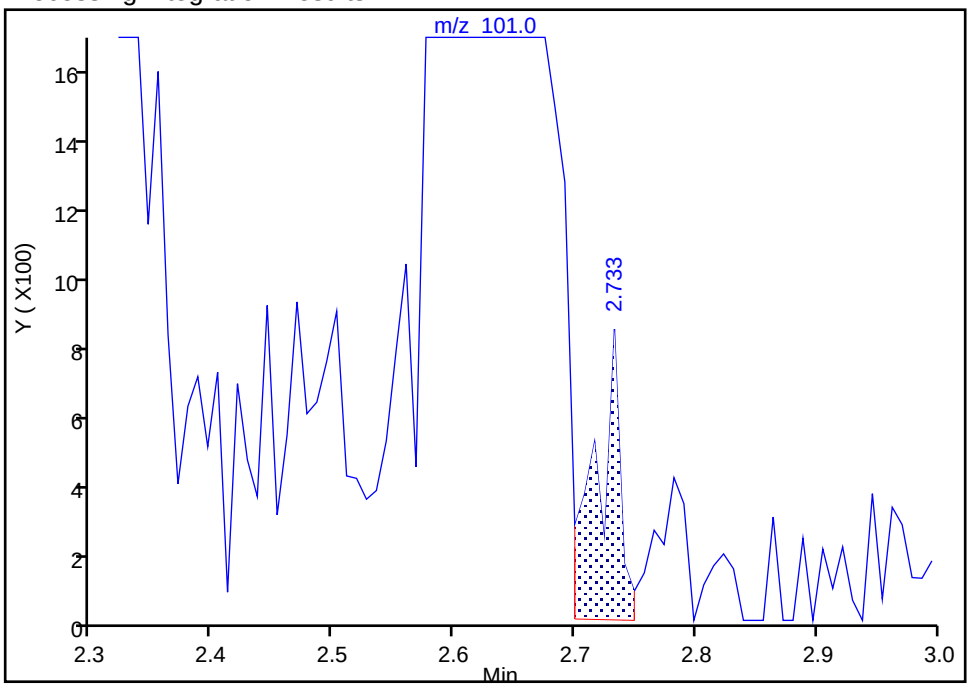
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17236.D
Injection Date: 21-Jul-2021 07:07:30 Instrument ID: CVOAMS6
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 112TCTFE, CAS: 76-13-1

Signal: 1

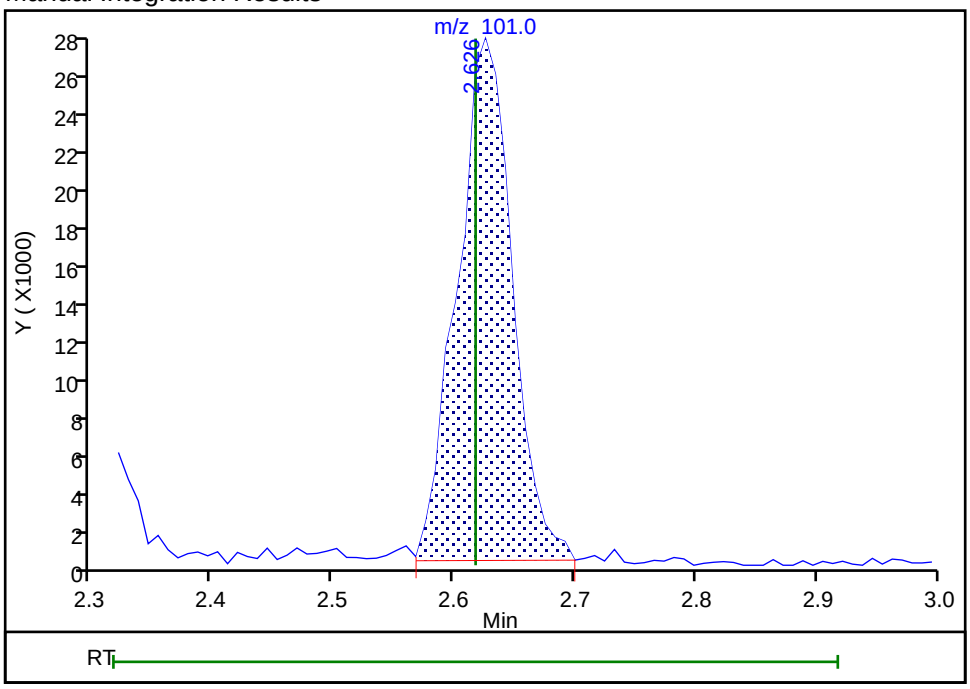
Processing Integration Results

RT: 2.73
Area: 1204
Amount: 0.258518
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 87290
Amount: 18.742579
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 07:36:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

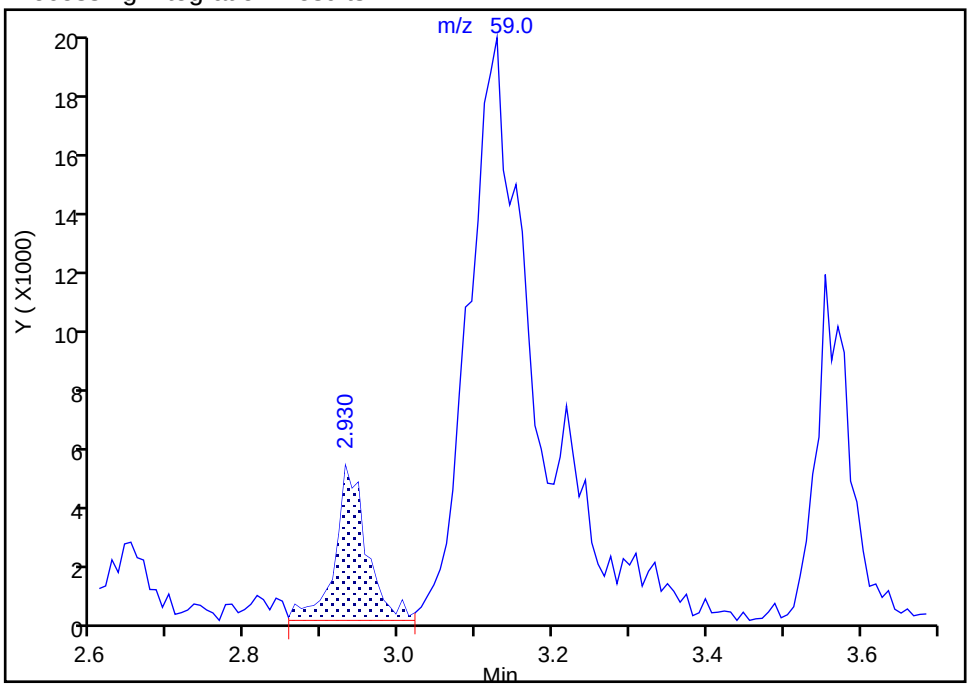
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17236.D
Injection Date: 21-Jul-2021 07:07:30 Instrument ID: CVOAMS6
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

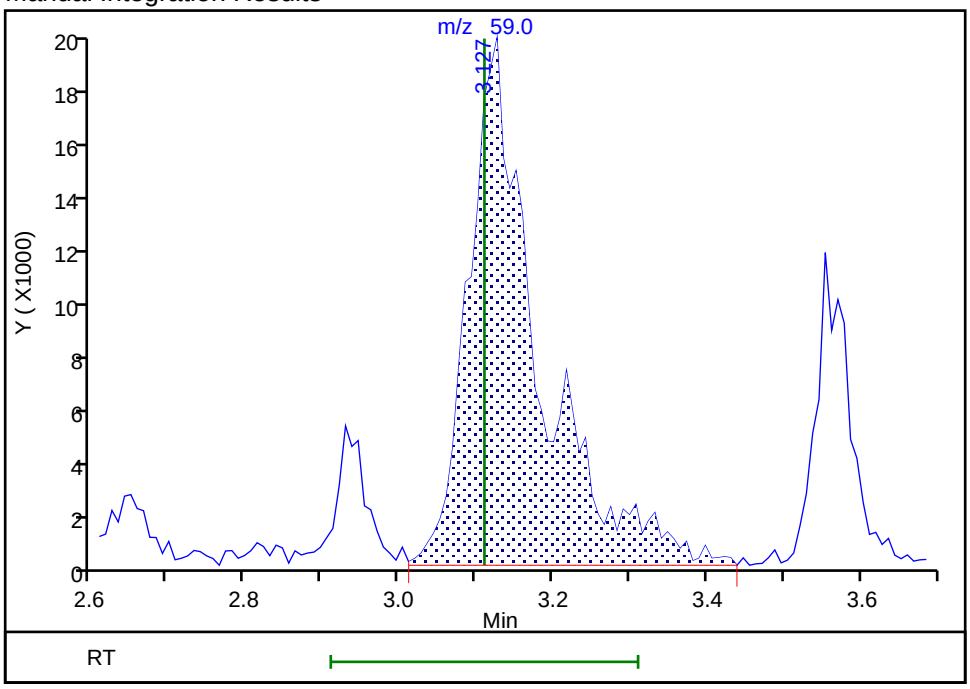
Processing Integration Results

RT: 2.93
Area: 15034
Amount: 27.982426
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 125677
Amount: 233.9196
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 07:37:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

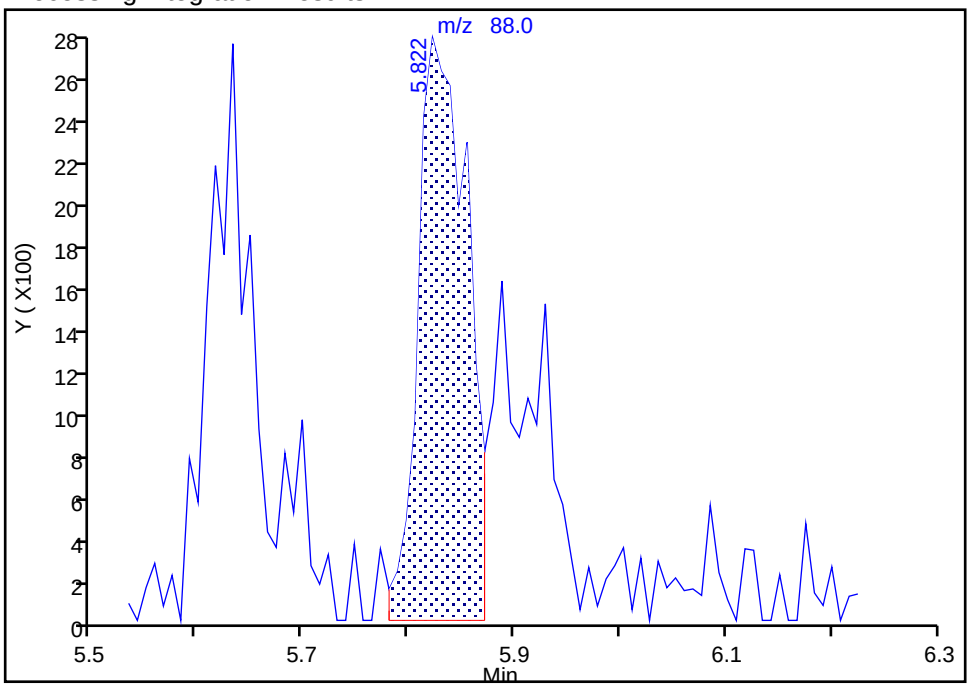
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17236.D
Injection Date: 21-Jul-2021 07:07:30 Instrument ID: CVOAMS6
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

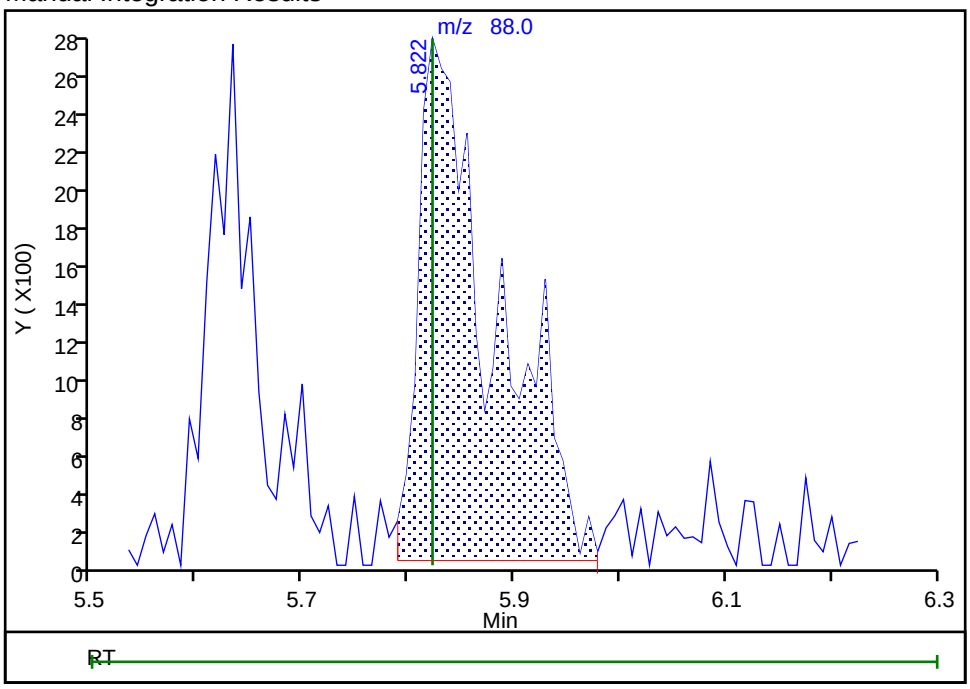
Processing Integration Results

RT: 5.82
Area: 9150
Amount: 320.4587
Amount Units: ug/l



Manual Integration Results

RT: 5.82
Area: 13687
Amount: 479.3572
Amount Units: ug/l



Reviewer: moroneyc, 21-Jul-2021 10:14:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 MS Lab Sample ID: 460-239070-6 MS

Matrix: Water Lab File ID: F17249.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 12:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	21.1		1.0	0.40
74-83-9	Bromomethane	17.5		1.0	0.55
75-01-4	Vinyl chloride	21.2		1.0	0.17
75-00-3	Chloroethane	23.5		1.0	0.32
75-09-2	Methylene Chloride	19.8		1.0	0.32
67-64-1	Acetone	95.3		5.0	4.4
75-15-0	Carbon disulfide	20.9		1.0	0.82
75-69-4	Trichlorofluoromethane	16.9		1.0	0.32
75-35-4	1,1-Dichloroethene	19.9		1.0	0.26
75-34-3	1,1-Dichloroethane	23.0		1.0	0.26
156-60-5	trans-1,2-Dichloroethene	20.0		1.0	0.24
156-59-2	cis-1,2-Dichloroethene	29.5		1.0	0.22
67-66-3	Chloroform	20.3		1.0	0.33
107-06-2	1,2-Dichloroethane	20.6		1.0	0.43
78-93-3	2-Butanone (MEK)	82.3		5.0	1.9
71-55-6	1,1,1-Trichloroethane	19.8		1.0	0.24
56-23-5	Carbon tetrachloride	19.4		1.0	0.21
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
78-87-5	1,2-Dichloropropane	21.9		1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	23.9		1.0	0.22
79-01-6	Trichloroethene	20.9		1.0	0.31
124-48-1	Chlorodibromomethane	19.1		1.0	0.28
79-00-5	1,1,2-Trichloroethane	21.8		1.0	0.20
71-43-2	Benzene	21.5		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	22.7		1.0	0.22
75-25-2	Bromoform	20.1		1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	92.9		5.0	1.3
591-78-6	2-Hexanone	93.4		5.0	1.1
127-18-4	Tetrachloroethene	20.9		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	25.2		1.0	0.37
108-88-3	Toluene	19.5		1.0	0.38
108-90-7	Chlorobenzene	17.8		1.0	0.38
100-41-4	Ethylbenzene	18.7		1.0	0.30
100-42-5	Styrene	17.9		1.0	0.42
179601-23-1	m-Xylene & p-Xylene	18.2		1.0	0.30
95-47-6	o-Xylene	17.9		1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 MS Lab Sample ID: 460-239070-6 MS

Matrix: Water Lab File ID: F17249.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 12:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	36.0		2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.6		1.0	0.31
75-65-0	2-Methyl-2-propanol	210		10	8.3
1634-04-4	Methyl tert-butyl ether	20.8		1.0	0.22
110-82-7	Cyclohexane	21.0		1.0	0.32
106-93-4	Ethylene Dibromide	20.6		1.0	0.50
541-73-1	1,3-Dichlorobenzene	16.8		1.0	0.34
106-46-7	1,4-Dichlorobenzene	17.7		1.0	0.33
95-50-1	1,2-Dichlorobenzene	16.9		1.0	0.21
75-71-8	Dichlorodifluoromethane	17.7		1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	16.3		1.0	0.37
123-91-1	1,4-Dioxane	373		50	28
630-20-6	1,1,1,2-Tetrachloroethane	17.7		1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	17.7		1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.0	0.38
74-97-5	Chlorobromomethane	18.1		1.0	0.41
98-82-8	Isopropylbenzene	18.2		1.0	0.34
79-20-9	Methyl acetate	57.9		5.0	0.79
108-87-2	Methylcyclohexane	20.9		1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17249.D
Lims ID: 460-239070-B-6 MS
Client ID: MW-6
Sample Type: MS
Inject. Date: 21-Jul-2021 12:10:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-6 MS
Misc. Info.: 460-0132123-017
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:56:38 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:00:54

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.549	1.533	0.016	62	143359	20.0	17.7	
2	Chloromethane	50	1.722	1.697	0.025	98	167403	20.0	21.1	
3	Vinyl chloride	62	1.804	1.780	0.024	71	156589	20.0	21.2	
4	Butadiene	54	1.812	1.780	0.032	91	174255	20.0	21.3	
5	Bromomethane	94	2.067	2.043	0.025	96	106985	20.0	17.5	
6	Chloroethane	64	2.108	2.092	0.016	99	104883	20.0	23.5	
7	Dichlorofluoromethane	67	2.281	2.256	0.025	96	249122	20.0	21.8	
8	Pentane	72	2.281	2.264	0.017	94	49042	40.0	31.8	
9	Trichlorofluoromethane	101	2.289	2.273	0.016	58	180356	20.0	16.9	
10	Ethanol	46	2.462	2.404	0.058	83	12939	800.0	565.2	
11	Ethyl ether	59	2.462	2.437	0.025	86	78112	20.0	22.3	
12	2-Methyl-1,3-butadiene	53	2.478	2.462	0.016	92	108919	20.0	24.8	
13	1,2-Dichloro-1,1,2-trifluoroetha	117	2.527	2.503	0.024	88	89217		19.0	
14	1,1,1-Trifluoro-2,2-dichloroetha	83	2.568	2.560	0.008	91	127723		19.4	
15	Acrolein	56	2.700	2.609	0.091	1	822	40.6	1.05	
16	112TCTFE	101	2.634	2.618	0.016	94	99623	20.0	19.6	a
17	1,1-Dichloroethene	96	2.659	2.626	0.033	91	81968	20.0	19.9	
18	Acetone	43	2.733	2.708	0.025	74	208284	100.0	95.3	
19	Iodomethane	142	2.807	2.782	0.025	100	149486	20.0	16.9	
20	Isopropyl alcohol	45	2.823	2.798	0.025	36	57898	200.0	224.6	
21	Carbon disulfide	76	2.856	2.831	0.025	98	318139	20.0	20.9	
22	3-Chloro-1-propene	41	2.938	2.922	0.016	77	225992	20.0	30.2	
23	Methyl acetate	43	2.946	2.930	0.016	81	182016	40.0	57.9	
24	Cyclopentene	67	2.955	2.938	0.017	90	228263	20.0	23.6	
25	Acetonitrile	41	3.020	3.004	0.016	19	194071	200.0	221.7	a
27	Methylene Chloride	84	3.070	3.037	0.033	92	93422	20.0	19.8	
* 26	TBA-d9 (IS)	65	3.070	3.045	0.025	0	544408	1000.0	1000.0	
28	2-Methyl-2-propanol	59	3.135	3.111	0.024	29	153230	200.0	210.3	a
29	Methyl tert-butyl ether	73	3.209	3.193	0.016	95	299497	20.0	20.8	
30	trans-1,2-Dichloroethene	96	3.226	3.218	0.008	95	81496	20.0	20.0	
31	Acrylonitrile	53	3.300	3.283	0.017	88	424599	200.0	268.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.374	3.357	0.017	88	116651	20.0	30.2	
33 Isopropyl ether	45	3.571	3.563	0.008	90	382851	20.0	27.9	
34 1,1-Dichloroethane	63	3.595	3.587	0.008	99	177835	20.0	23.0	
35 Vinyl acetate	86	3.612	3.604	0.008	100	34367	40.0	38.5	
36 2-Chloro-1,3-butadiene	88	3.645	3.637	0.008	96	72422	20.0	21.0	
37 Tert-butyl ethyl ether	59	3.867	3.858	0.009	86	317666	20.0	22.6	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	575542	250.0	250.0	
39 2,2-Dichloropropane	97	4.088	4.072	0.016	69	37659	20.0	23.3	
40 cis-1,2-Dichloroethene	96	4.088	4.080	0.008	87	137386	20.0	29.5	
41 2-Butanone (MEK)	72	4.097	4.089	0.008	94	51400	100.0	82.3	
42 Ethyl acetate	70	4.097	4.097	0.000	95	17724	40.0	30.8	
43 Methyl acrylate	55	4.162	4.146	0.016	50	83673	20.0	28.1	
44 Propionitrile	54	4.236	4.220	0.016	95	161669	200.0	208.4	
45 Chlorobromomethane	128	4.302	4.294	0.008	95	43228	20.0	18.1	
46 Tetrahydrofuran	72	4.310	4.302	0.008	67	23923	40.0	26.9	
47 Methacrylonitrile	67	4.327	4.310	0.017	97	358479	200.0	240.0	
48 Chloroform	83	4.351	4.343	0.008	94	166129	20.0	20.3	
49 Cyclohexane	84	4.491	4.483	0.008	93	150531	20.0	21.0	
50 1,1,1-Trichloroethane	97	4.499	4.491	0.008	90	170613	20.0	19.8	
$ 51 Dibromofluoromethane (Surr)	113	4.508	4.491	0.017	94	168084	50.0	50.4	
52 Carbon tetrachloride	117	4.606	4.606	0.000	90	140605	20.0	19.4	
53 1,1-Dichloropropene	75	4.639	4.631	0.008	84	126124	20.0	22.2	
54 Isobutyl alcohol	43	4.803	4.787	0.016	52	231959	500.0	498.3	
55 Benzene	78	4.828	4.820	0.008	97	314268	20.0	21.5	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	284846	50.0	54.7	
57 Isopropyl acetate	43	4.886	4.877	0.009	90	424909	20.0	32.5	
58 Tert-amyl methyl ether	73	4.894	4.886	0.008	86	341578	20.0	22.8	
59 1,2-Dichloroethane	62	4.910	4.902	0.008	97	162544	20.0	20.6	
60 n-Heptane	57	4.976	4.968	0.008	90	77046	20.0	27.5	
* 61 Fluorobenzene	96	5.107	5.091	0.016	96	567285	50.0	50.0	
62 n-Butanol	56	5.420	5.403	0.017	96	49825	500.0	421.4	
63 Trichloroethene	95	5.452	5.436	0.016	91	85119	20.0	20.9	
64 Ethyl acrylate	55	5.568	5.559	0.009	94	258693	20.0	24.7	
65 Methylcyclohexane	83	5.576	5.568	0.008	81	159591	20.0	20.9	
66 1,2-Dichloropropane	63	5.724	5.715	0.009	76	81978	20.0	21.9	
* 67 1,4-Dioxane-d8	96	5.789	5.781	0.008	0	39296	1000.0	1000.0	
68 Methyl methacrylate	100	5.798	5.789	0.009	90	37605	40.0	33.3	
69 1,4-Dioxane	88	5.839	5.822	0.017	25	14294	400.0	372.9	M
70 Dibromomethane	93	5.847	5.839	0.008	52	53351	20.0	20.5	
71 n-Propyl acetate	43	5.855	5.847	0.008	97	149240	20.0	29.0	
72 Dichlorobromomethane	83	5.995	5.987	0.008	95	115964	20.0	20.4	
73 2-Nitropropane	41	6.323	6.315	0.008	100	80717	40.0	44.6	
75 Epichlorohydrin	57	6.430	6.422	0.008	99	129045	400.0	241.5	
76 cis-1,3-Dichloropropene	75	6.488	6.480	0.008	89	120344	20.0	23.9	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.644	0.008	98	674459	100.0	92.9	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	96	586484	50.0	53.7	
79 Toluene	91	6.808	6.800	0.008	91	315195	20.0	19.5	
80 trans-1,3-Dichloropropene	75	7.145	7.137	0.008	92	109340	20.0	22.7	
81 Ethyl methacrylate	69	7.186	7.178	0.008	95	104887	20.0	23.7	
82 1,1,2-Trichloroethane	83	7.359	7.351	0.008	87	53353	20.0	21.8	
83 Tetrachloroethene	166	7.408	7.400	0.008	93	92453	20.0	20.9	
84 1,3-Dichloropropane	76	7.564	7.556	0.008	88	113593	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Hexanone	43	7.630	7.622	0.008	95	425679	100.0	93.4	
86 n-Butyl acetate	43	7.753	7.745	0.008	96	194774	20.0	32.4	
87 Chlorodibromomethane	129	7.794	7.786	0.008	95	67645	20.0	19.1	
88 Ethylene Dibromide	107	7.942	7.934	0.008	98	62988	20.0	20.6	
* 89 Chlorobenzene-d5	117	8.493	8.485	0.008	94	424821	50.0	50.0	
90 Chlorobenzene	112	8.526	8.517	0.009	88	192681	20.0	17.8	
91 Ethylbenzene	106	8.632	8.624	0.008	99	111708	20.0	18.7	
92 1,1,1,2-Tetrachloroethane	131	8.641	8.641	0.000	89	83493	20.0	17.7	
93 m-Xylene & p-Xylene	106	8.789	8.780	0.009	0	135388	20.0	18.2	
94 n-Butyl acrylate	73	9.282	9.273	0.009	90	70336	20.0	22.9	
95 o-Xylene	106	9.290	9.282	0.008	92	139645	20.0	17.9	
96 Styrene	104	9.314	9.314	0.000	89	225878	20.0	17.9	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	87	261606	20.0	30.8	
98 Bromoform	173	9.536	9.528	0.008	48	47164	20.0	20.1	
99 Isopropylbenzene	105	9.660	9.660	0.000	98	401971	20.0	18.2	
$ 100 4-Bromofluorobenzene	174	9.849	9.849	0.000	82	182997	50.0	46.5	
101 Bromobenzene	156	9.972	9.972	0.000	89	82359	20.0	18.3	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.013	0.008	95	96298	20.0	25.2	
103 N-Propylbenzene	91	10.038	10.038	0.000	98	500657	20.0	22.1	
104 1,2,3-Trichloropropane	110	10.054	10.054	0.000	91	31579	20.0	21.7	
105 trans-1,4-Dichloro-2-butene	53	10.079	10.070	0.009	61	22315	20.0	49.4	a
106 2-Chlorotoluene	91	10.128	10.128	0.000	97	329109	20.0	20.7	
107 4-Ethyltoluene	105	10.144	10.136	0.008	97	416971	20.0	21.5	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	92	339771	20.0	20.4	
109 4-Chlorotoluene	91	10.226	10.227	-0.001	98	288888	20.0	20.9	
110 Butyl Methacrylate	87	10.292	10.284	0.008	91	108035	20.0	20.7	
111 tert-Butylbenzene	119	10.440	10.440	0.000	90	261733	20.0	19.2	
112 1,2,4-Trimethylbenzene	105	10.489	10.489	0.000	98	368610	20.0	21.6	
113 sec-Butylbenzene	105	10.604	10.605	-0.001	97	441679	20.0	21.2	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	87	173793	20.0	16.8	
114 4-Isopropyltoluene	119	10.711	10.711	0.000	96	394899	20.0	20.2	
* 116 1,4-Dichlorobenzene-d4	152	10.769	10.761	0.008	95	257230	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.785	10.777	0.008	92	178445	20.0	17.7	
118 1,2,3-Trimethylbenzene	105	10.793	10.794	-0.001	99	375996	20.0	20.8	
119 Benzyl chloride	91	10.884	10.884	0.000	95	215454	20.0	20.3	
120 2,3-Dihydroindene	117	10.933	10.925	0.008	92	355049	20.0	19.4	
121 p-Diethylbenzene	119	10.974	10.974	0.000	90	215001	20.0	19.5	
122 n-Butylbenzene	92	10.991	10.991	0.000	96	216106	20.0	20.5	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	91	180641	20.0	16.9	
124 1,2,4,5-Tetramethylbenzene	119	11.475	11.451	0.024	96	365171	20.0	19.2	
125 1,2-Dibromo-3-Chloropropane	157	11.541	11.525	0.016	79	23748	20.0	20.9	
126 1,3,5-Trichlorobenzene	180	11.632	11.607	0.025	93	152072	20.0	17.2	
127 1,2,4-Trichlorobenzene	180	12.010	11.985	0.025	91	132805	20.0	16.3	
128 Hexachlorobutadiene	225	12.075	12.051	0.024	90	64126	20.0	19.3	
129 Naphthalene	128	12.174	12.141	0.033	97	425064	20.0	24.2	
130 1,2,3-Trichlorobenzene	180	12.330	12.297	0.033	94	127208	20.0	17.7	
S 131 1,2-Dichloroethene, Total	100				0		40.0	49.5	
S 133 Total BTEX	1				0		100.0	95.7	
S 132 Xylenes, Total	100				0		40.0	36.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00429	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	20.00	Units: uL	
ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Jul-2021 15:56:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17249.D

Injection Date: 21-Jul-2021 12:10:30 Instrument ID: CVOAMS6 Operator ID:

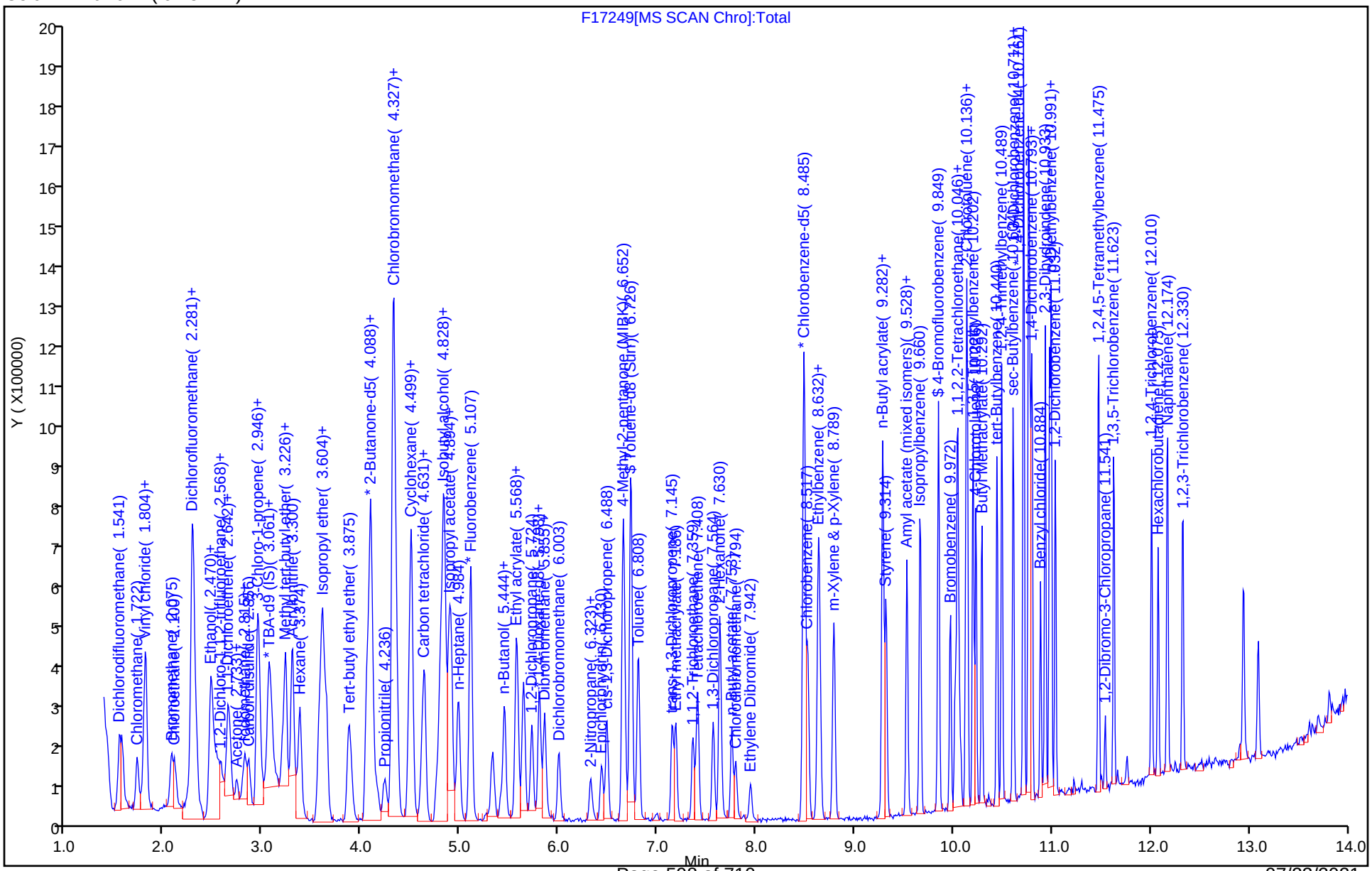
Lims ID: 460-239070-B-6 MS Worklist Smp#: 17

Client ID: MW-6

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

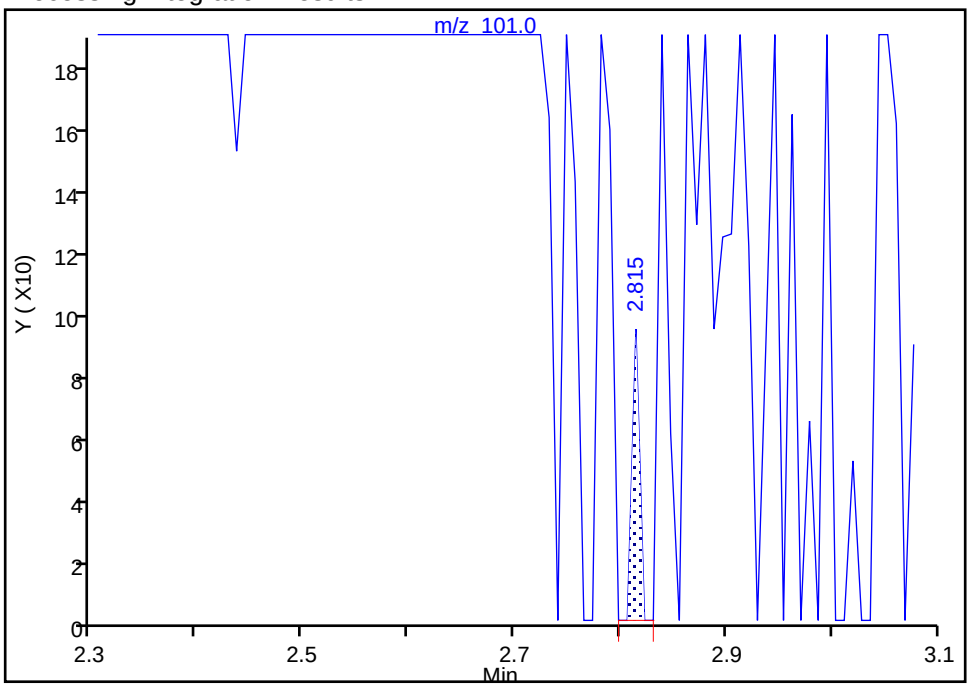
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17249.D				
Injection Date:	21-Jul-2021 12:10:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6 MS				
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

16 112TCTFE, CAS: 76-13-1

Signal: 1

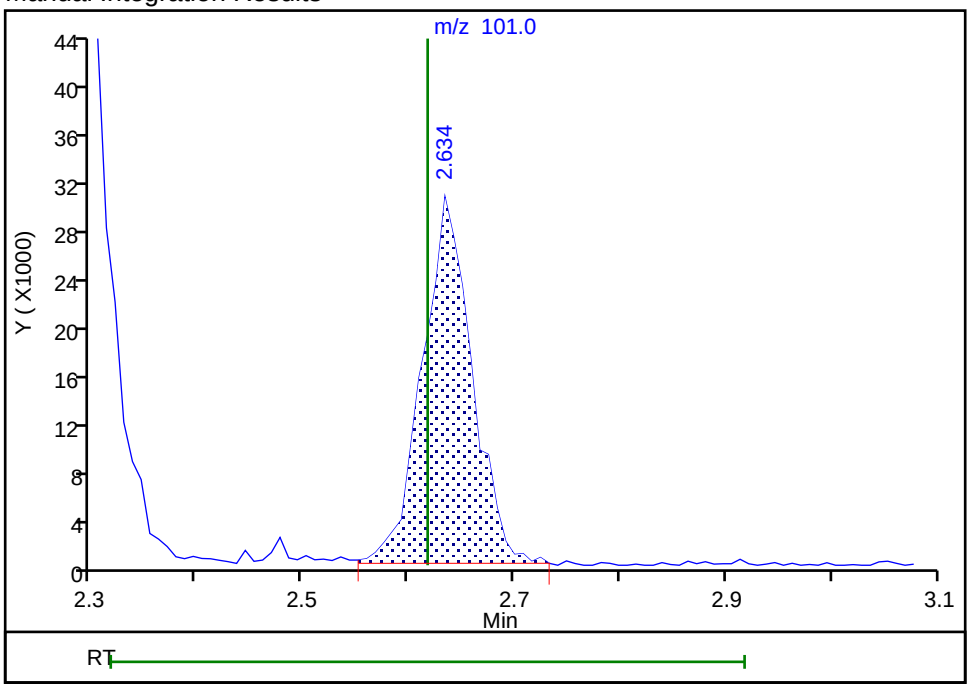
Processing Integration Results

RT: 2.81
Area: 47
Amount: 0.009269
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 99623
Amount: 19.647437
Amount Units: ug/l



Reviewer: parekhv, 21-Jul-2021 16:00:38

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

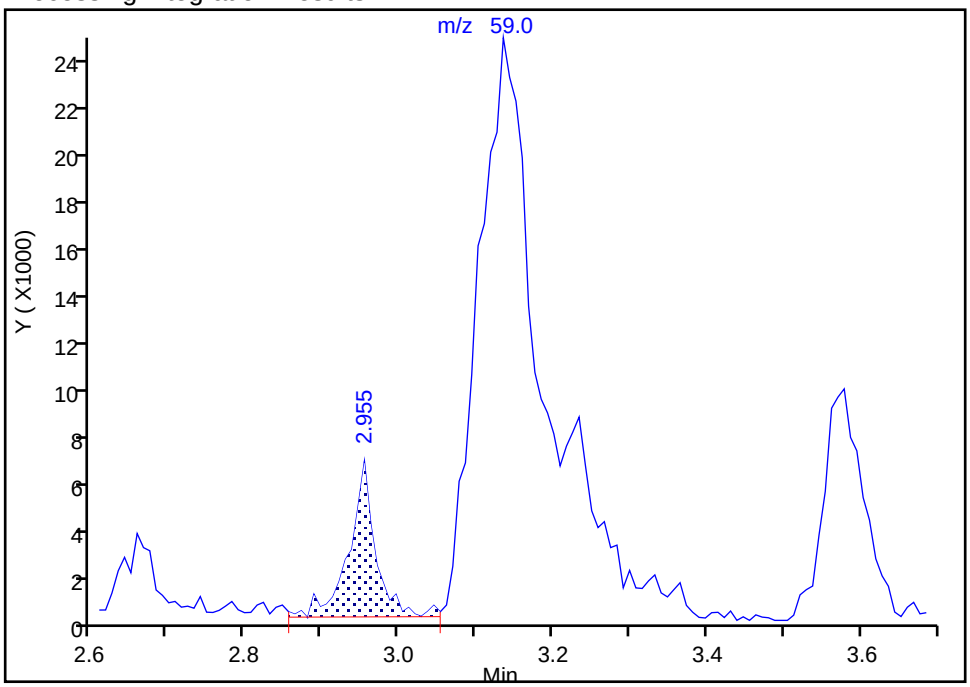
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17249.D				
Injection Date:	21-Jul-2021 12:10:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6 MS				
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

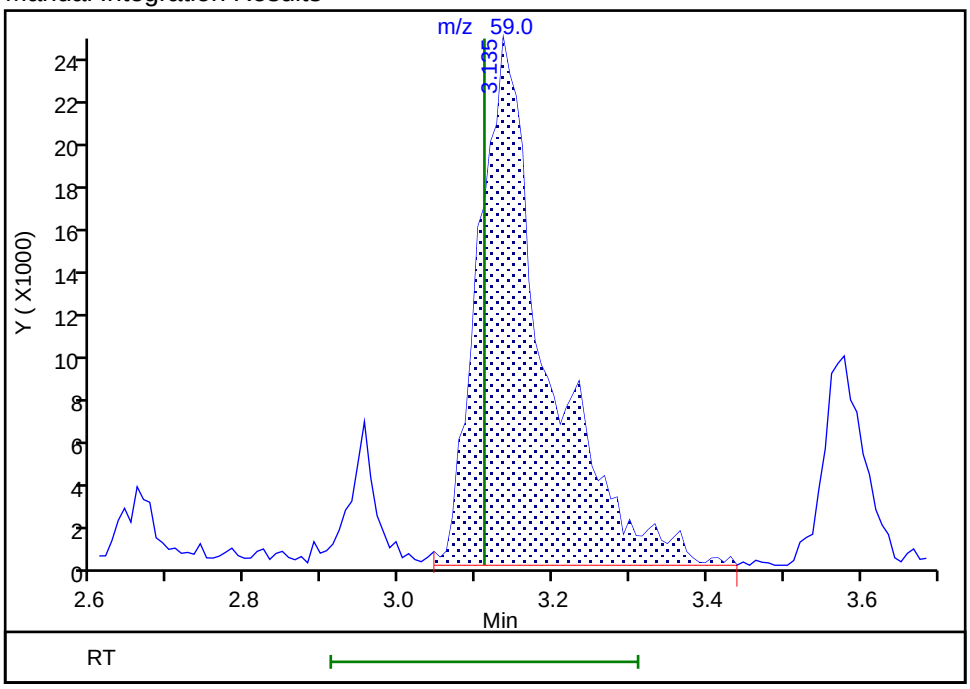
Processing Integration Results

RT: 2.95
Area: 15792
Amount: 21.673225
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 153230
Amount: 210.2956
Amount Units: ug/l



Reviewer: parekhv, 21-Jul-2021 16:00:29

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

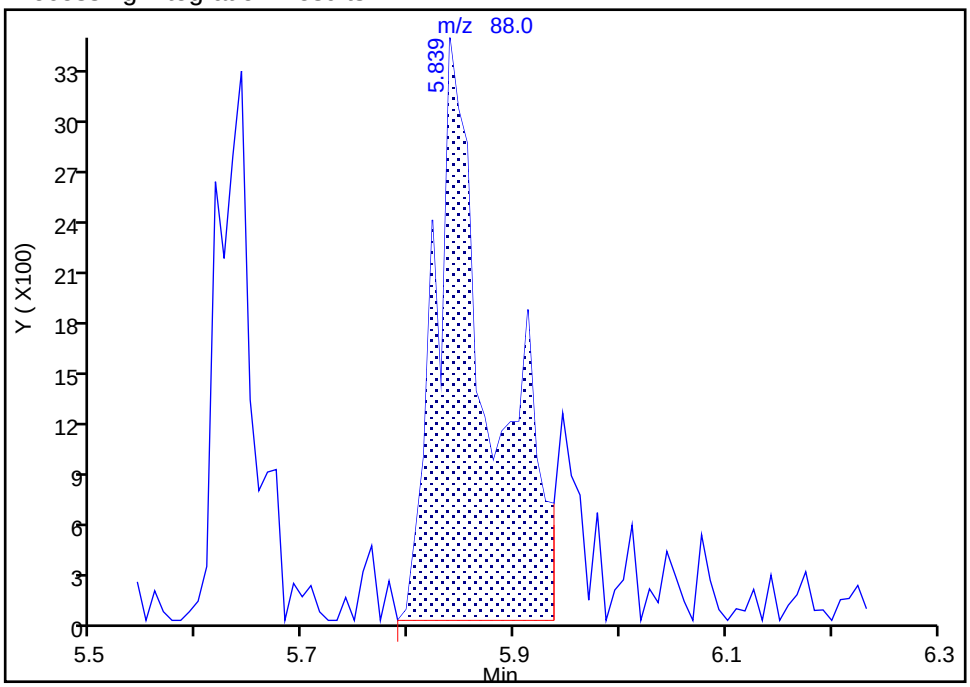
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17249.D				
Injection Date:	21-Jul-2021 12:10:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6 MS				
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

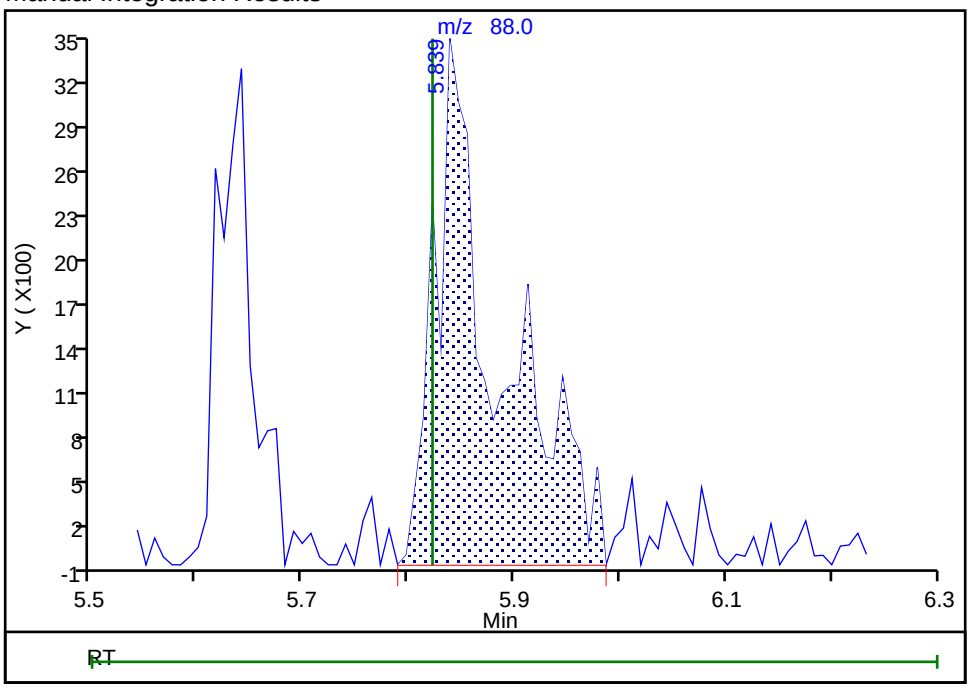
Processing Integration Results

RT: 5.84
Area: 12515
Amount: 326.4797
Amount Units: ug/l



Manual Integration Results

RT: 5.84
Area: 14294
Amount: 372.8886
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 15:56:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 MSD Lab Sample ID: 460-239070-6 MSD

Matrix: Water Lab File ID: F17250.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 12:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	21.3		1.0	0.40
74-83-9	Bromomethane	16.7		1.0	0.55
75-01-4	Vinyl chloride	22.5		1.0	0.17
75-00-3	Chloroethane	23.6		1.0	0.32
75-09-2	Methylene Chloride	19.4		1.0	0.32
67-64-1	Acetone	97.4		5.0	4.4
75-15-0	Carbon disulfide	19.7		1.0	0.82
75-69-4	Trichlorofluoromethane	18.8		1.0	0.32
75-35-4	1,1-Dichloroethene	19.1		1.0	0.26
75-34-3	1,1-Dichloroethane	22.0		1.0	0.26
156-60-5	trans-1,2-Dichloroethene	19.1		1.0	0.24
156-59-2	cis-1,2-Dichloroethene	26.8		1.0	0.22
67-66-3	Chloroform	19.5		1.0	0.33
107-06-2	1,2-Dichloroethane	18.6		1.0	0.43
78-93-3	2-Butanone (MEK)	77.2		5.0	1.9
71-55-6	1,1,1-Trichloroethane	18.2		1.0	0.24
56-23-5	Carbon tetrachloride	16.4		1.0	0.21
75-27-4	Dichlorobromomethane	18.5		1.0	0.34
78-87-5	1,2-Dichloropropane	21.2		1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	23.0		1.0	0.22
79-01-6	Trichloroethene	20.3		1.0	0.31
124-48-1	Chlorodibromomethane	18.3		1.0	0.28
79-00-5	1,1,2-Trichloroethane	20.1		1.0	0.20
71-43-2	Benzene	20.8		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	22.9		1.0	0.22
75-25-2	Bromoform	18.9		1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	88.1		5.0	1.3
591-78-6	2-Hexanone	86.8		5.0	1.1
127-18-4	Tetrachloroethene	20.3		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	24.4		1.0	0.37
108-88-3	Toluene	19.1		1.0	0.38
108-90-7	Chlorobenzene	17.0		1.0	0.38
100-41-4	Ethylbenzene	18.1		1.0	0.30
100-42-5	Styrene	17.0		1.0	0.42
179601-23-1	m-Xylene & p-Xylene	17.3		1.0	0.30
95-47-6	o-Xylene	17.9		1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 MSD Lab Sample ID: 460-239070-6 MSD

Matrix: Water Lab File ID: F17250.D

Analysis Method: 8260D Date Collected: 07/16/2021 09:20

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 12:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 791566 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	35.2		2.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.6		1.0	0.31
75-65-0	2-Methyl-2-propanol	189		10	8.3
1634-04-4	Methyl tert-butyl ether	20.2		1.0	0.22
110-82-7	Cyclohexane	19.4		1.0	0.32
106-93-4	Ethylene Dibromide	20.2		1.0	0.50
541-73-1	1,3-Dichlorobenzene	16.9		1.0	0.34
106-46-7	1,4-Dichlorobenzene	16.9		1.0	0.33
95-50-1	1,2-Dichlorobenzene	16.3		1.0	0.21
75-71-8	Dichlorodifluoromethane	15.5		1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	16.9		1.0	0.37
123-91-1	1,4-Dioxane	531		50	28
630-20-6	1,1,1,2-Tetrachloroethane	17.8		1.0	0.27
87-61-6	1,2,3-Trichlorobenzene	17.7		1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		1.0	0.38
74-97-5	Chlorobromomethane	17.5		1.0	0.41
98-82-8	Isopropylbenzene	17.8		1.0	0.34
79-20-9	Methyl acetate	56.6		5.0	0.79
108-87-2	Methylcyclohexane	19.8		1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-123
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	95		77-124

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17250.D
Lims ID: 460-239070-B-6 MSD
Client ID: MW-6
Sample Type: MSD
Inject. Date: 21-Jul-2021 12:32:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-239070-B-6 MSD
Misc. Info.: 460-0132123-018
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\8260624W6.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Jul-2021 15:57:39 Calib Date: 10-Jul-2021 11:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210710-131608.b\F16859.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: parekhv Date: 21-Jul-2021 16:01:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.541	1.533	0.008	60	129849	20.0	15.5	
2 Chloromethane	50	1.706	1.697	0.009	99	174862	20.0	21.3	
3 Vinyl chloride	62	1.779	1.780	-0.001	90	171762	20.0	22.5	
4 Butadiene	54	1.796	1.780	0.016	91	181784	20.0	21.5	
5 Bromomethane	94	2.059	2.043	0.017	97	105445	20.0	16.7	
6 Chloroethane	64	2.092	2.092	0.000	98	108677	20.0	23.6	
7 Dichlorofluoromethane	67	2.264	2.256	0.008	90	260440	20.0	22.1	
8 Pentane	72	2.264	2.264	0.000	94	46617	40.0	29.5	
9 Trichlorofluoromethane	101	2.281	2.273	0.008	68	207082	20.0	18.8	
10 Ethanol	46	2.453	2.404	0.049	76	7488	800.0	319.2	
11 Ethyl ether	59	2.445	2.437	0.008	89	74157	20.0	20.5	
12 2-Methyl-1,3-butadiene	53	2.461	2.462	-0.001	90	105626	20.0	23.3	
13 1,2-Dichloro-1,1,2-trifluoroetha	117	2.503	2.503	0.000	89	81245		16.7	
14 1,1,1-Trifluoro-2,2-dichloroetha	83	2.560	2.560	0.000	92	127761		18.8	a
16 112TCTFE	101	2.618	2.618	0.000	93	97404	20.0	18.6	a
17 1,1-Dichloroethene	96	2.659	2.626	0.033	92	81021	20.0	19.1	
18 Acetone	43	2.724	2.708	0.016	82	221753	100.0	97.4	
19 Iodomethane	142	2.790	2.782	0.008	100	139432	20.0	15.2	
20 Isopropyl alcohol	45	2.831	2.798	0.033	33	64770	200.0	245.2	
21 Carbon disulfide	76	2.839	2.831	0.008	98	309715	20.0	19.7	
22 3-Chloro-1-propene	41	2.922	2.922	0.000	79	211798	20.0	27.4	
23 Methyl acetate	43	2.938	2.930	0.008	85	183470	40.0	56.6	
24 Cyclopentene	67	2.946	2.938	0.008	92	225252	20.0	22.6	
25 Acetonitrile	41	3.004	3.004	0.000	19	227000	200.0	253.1	a
27 Methylene Chloride	84	3.045	3.037	0.008	89	94388	20.0	19.4	
* 26 TBA-d9 (IS)	65	3.053	3.045	0.008	0	557798	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.119	3.111	0.008	91	140987	200.0	188.8	a
29 Methyl tert-butyl ether	73	3.193	3.193	0.000	96	300007	20.0	20.2	
30 trans-1,2-Dichloroethene	96	3.217	3.218	-0.001	96	80417	20.0	19.1	
31 Acrylonitrile	53	3.283	3.283	0.000	92	417954	200.0	255.9	
32 Hexane	43	3.365	3.357	0.008	89	110756	20.0	27.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Isopropyl ether	45	3.571	3.563	0.008	88	373496	20.0	26.4	
34 1,1-Dichloroethane	63	3.587	3.587	0.000	98	175316	20.0	22.0	
35 Vinyl acetate	86	3.604	3.604	0.000	100	37139	40.0	40.3	
36 2-Chloro-1,3-butadiene	88	3.636	3.637	-0.001	96	68103	20.0	19.1	
37 Tert-butyl ethyl ether	59	3.858	3.858	0.000	87	325243	20.0	22.4	
* 38 2-Butanone-d5	46	4.047	4.039	0.008	0	599518	250.0	250.0	
39 2,2-Dichloropropane	97	4.080	4.072	0.008	69	32400	20.0	19.4	
40 cis-1,2-Dichloroethene	96	4.080	4.080	0.000	88	128940	20.0	26.8	
41 2-Butanone (MEK)	72	4.105	4.089	0.016	94	50264	100.0	77.2	
42 Ethyl acetate	70	4.088	4.097	-0.009	92	17537	40.0	29.3	
43 Methyl acrylate	55	4.162	4.146	0.016	54	83220	20.0	27.9	
44 Propionitrile	54	4.228	4.220	0.008	95	155642	200.0	195.8	
45 Chlorobromomethane	128	4.302	4.294	0.008	97	43139	20.0	17.5	
46 Tetrahydrofuran	72	4.310	4.302	0.008	57	23967	40.0	25.9	
47 Methacrylonitrile	67	4.318	4.310	0.008	98	357724	200.0	232.0	
48 Chloroform	83	4.351	4.343	0.008	93	164336	20.0	19.5	
49 Cyclohexane	84	4.491	4.483	0.008	92	143492	20.0	19.4	
50 1,1,1-Trichloroethane	97	4.491	4.491	0.000	88	161830	20.0	18.2	
$ 51 Dibromofluoromethane (Surr)	113	4.499	4.491	0.008	93	164253	50.0	47.7	
52 Carbon tetrachloride	117	4.606	4.606	0.000	90	123151	20.0	16.4	
53 1,1-Dichloropropene	75	4.631	4.631	0.000	80	123461	20.0	21.1	
54 Isobutyl alcohol	43	4.787	4.787	0.000	57	229402	500.0	480.9	
55 Benzene	78	4.820	4.820	0.000	97	305401	20.0	20.8	
$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.836	4.828	0.008	0	312858	50.0	58.1	
57 Isopropyl acetate	43	4.877	4.877	0.000	91	414378	20.0	30.6	
58 Tert-amyl methyl ether	73	4.885	4.886	-0.001	85	308580	20.0	19.9	
59 1,2-Dichloroethane	62	4.910	4.902	0.008	97	150931	20.0	18.6	
60 n-Heptane	57	4.976	4.968	0.008	95	74127	20.0	25.6	
* 61 Fluorobenzene	96	5.099	5.091	0.008	95	585792	50.0	50.0	
62 n-Butanol	56	5.411	5.403	0.008	97	59002	500.0	487.1	
63 Trichloroethene	95	5.444	5.436	0.008	93	85519	20.0	20.3	
64 Ethyl acrylate	55	5.559	5.559	0.000	93	250393	20.0	23.2	
65 Methylcyclohexane	83	5.567	5.568	-0.001	81	155956	20.0	19.8	
66 1,2-Dichloropropane	63	5.724	5.715	0.009	74	81985	20.0	21.2	
* 67 1,4-Dioxane-d8	96	5.781	5.781	0.000	0	34185	1000.0	1000.0	
68 Methyl methacrylate	100	5.798	5.789	0.009	90	36300	40.0	31.1	
69 1,4-Dioxane	88	5.855	5.822	0.033	32	17692	400.0	530.5	M
70 Dibromomethane	93	5.847	5.839	0.008	87	50656	20.0	18.9	
71 n-Propyl acetate	43	5.855	5.847	0.008	97	147359	20.0	27.7	
72 Dichlorobromomethane	83	6.003	5.987	0.016	96	108737	20.0	18.5	
73 2-Nitropropane	41	6.315	6.315	0.000	98	81481	40.0	43.6	
75 Epichlorohydrin	57	6.430	6.422	0.008	98	129034	400.0	231.9	
76 cis-1,3-Dichloropropene	75	6.480	6.480	0.000	86	116008	20.0	23.0	
77 4-Methyl-2-pentanone (MIBK)	43	6.652	6.644	0.008	98	666062	100.0	88.1	
$ 78 Toluene-d8 (Surr)	98	6.726	6.726	0.000	95	602968	50.0	55.0	
79 Toluene	91	6.800	6.800	0.000	90	309911	20.0	19.1	
80 trans-1,3-Dichloropropene	75	7.145	7.137	0.008	94	110991	20.0	22.9	
81 Ethyl methacrylate	69	7.186	7.178	0.008	94	103766	20.0	23.3	
82 1,1,2-Trichloroethane	83	7.359	7.351	0.008	86	49531	20.0	20.1	
83 Tetrachloroethene	166	7.408	7.400	0.008	92	90407	20.0	20.3	
84 1,3-Dichloropropane	76	7.564	7.556	0.008	88	113188	20.0	22.0	
85 2-Hexanone	43	7.630	7.622	0.008	96	412244	100.0	86.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 n-Butyl acetate	43	7.753	7.745	0.008	94	198089	20.0	32.8	
87 Chlorodibromomethane	129	7.794	7.786	0.008	93	65208	20.0	18.3	
88 Ethylene Dibromide	107	7.942	7.934	0.008	97	62195	20.0	20.2	
* 89 Chlorobenzene-d5	117	8.484	8.485	-0.001	95	426697	50.0	50.0	
90 Chlorobenzene	112	8.526	8.517	0.009	88	184000	20.0	17.0	
91 Ethylbenzene	106	8.624	8.624	0.000	99	108923	20.0	18.1	
92 1,1,1,2-Tetrachloroethane	131	8.649	8.641	0.008	88	84697	20.0	17.8	
93 m-Xylene & p-Xylene	106	8.788	8.780	0.008	0	129379	20.0	17.3	
94 n-Butyl acrylate	73	9.281	9.273	0.008	92	68000	20.0	22.1	
95 o-Xylene	106	9.281	9.282	-0.001	92	140758	20.0	17.9	
96 Styrene	104	9.314	9.314	0.000	92	215694	20.0	17.0	
97 Amyl acetate (mixed isomers)	43	9.528	9.528	0.000	84	254739	20.0	29.0	
98 Bromoform	173	9.528	9.528	0.000	47	44475	20.0	18.9	
99 Isopropylbenzene	105	9.659	9.660	-0.001	99	394921	20.0	17.8	
$ 100 4-Bromofluorobenzene	174	9.848	9.849	-0.001	81	187761	50.0	47.5	
101 Bromobenzene	156	9.972	9.972	0.000	90	85726	20.0	18.4	
102 1,1,2,2-Tetrachloroethane	83	10.021	10.013	0.008	95	96358	20.0	24.4	
103 N-Propylbenzene	91	10.037	10.038	-0.001	98	490393	20.0	20.9	
104 1,2,3-Trichloropropane	110	10.054	10.054	0.000	93	29909	20.0	19.8	
105 trans-1,4-Dichloro-2-butene	53	10.079	10.070	0.009	62	23515	20.0	50.1	a
106 2-Chlorotoluene	91	10.128	10.128	0.000	96	324947	20.0	19.7	
107 4-Ethyltoluene	105	10.144	10.136	0.008	97	396375	20.0	19.8	
108 1,3,5-Trimethylbenzene	105	10.202	10.202	0.000	91	325181	20.0	18.8	
109 4-Chlorotoluene	91	10.226	10.227	-0.001	99	275354	20.0	19.2	
110 Butyl Methacrylate	87	10.292	10.284	0.008	90	108962	20.0	20.2	
111 tert-Butylbenzene	119	10.440	10.440	0.000	91	256007	20.0	18.1	
112 1,2,4-Trimethylbenzene	105	10.489	10.489	0.000	98	349601	20.0	19.8	
113 sec-Butylbenzene	105	10.604	10.605	-0.001	97	433176	20.0	20.1	
115 1,3-Dichlorobenzene	146	10.711	10.711	0.000	69	181088	20.0	16.9	
114 4-Isopropyltoluene	119	10.711	10.711	0.000	96	380710	20.0	18.8	
* 116 1,4-Dichlorobenzene-d4	152	10.761	10.761	0.000	96	266539	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.777	10.777	0.000	95	176706	20.0	16.9	
118 1,2,3-Trimethylbenzene	105	10.793	10.794	-0.001	98	354536	20.0	18.9	
119 Benzyl chloride	91	10.884	10.884	0.000	95	205939	20.0	18.7	
120 2,3-Dihydroindene	117	10.933	10.925	0.008	93	337859	20.0	17.8	
121 p-Diethylbenzene	119	10.974	10.974	0.000	92	204390	20.0	17.9	
122 n-Butylbenzene	92	10.991	10.991	0.000	96	214519	20.0	19.6	
123 1,2-Dichlorobenzene	146	11.032	11.032	0.000	91	180339	20.0	16.3	
124 1,2,4,5-Tetramethylbenzene	119	11.467	11.451	0.016	97	359395	20.0	18.2	
125 1,2-Dibromo-3-Chloropropane	157	11.533	11.525	0.008	76	23974	20.0	20.4	
126 1,3,5-Trichlorobenzene	180	11.623	11.607	0.016	92	146082	20.0	16.0	
127 1,2,4-Trichlorobenzene	180	12.001	11.985	0.016	91	142347	20.0	16.9	
128 Hexachlorobutadiene	225	12.067	12.051	0.016	89	60187	20.0	17.5	
129 Naphthalene	128	12.166	12.141	0.025	97	380974	20.0	20.9	
130 1,2,3-Trichlorobenzene	180	12.322	12.297	0.025	90	131938	20.0	17.7	
S 131 1,2-Dichloroethene, Total	100				0		40.0	45.9	
S 133 Total BTEX	1				0		100.0	93.2	
S 132 Xylenes, Total	100				0		40.0	35.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00429	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00140	Amount Added:	20.00	Units: uL	
ACROLEIN W_00128	Amount Added:	4.00	Units: uL	
VOA6IS/SURR_00047	Amount Added:	5.00	Units: uL	Run Reagent

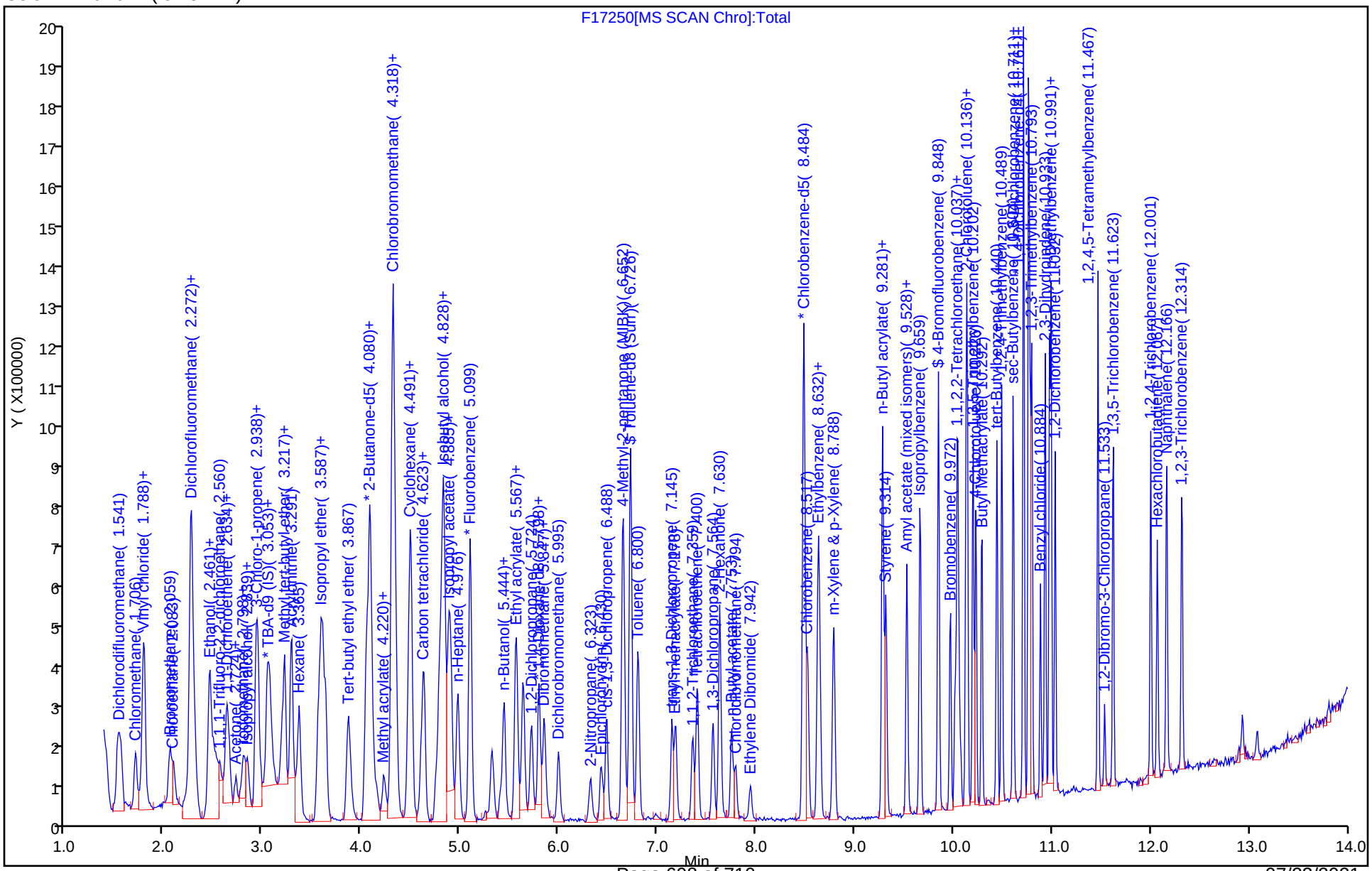
Report Date: 23-Jul-2021 15:57:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17250.D

Injection Date:	21-Jul-2021 12:32:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-239070-B-6 MSD			Worklist Smp#:	18
Client ID:	MW-6				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

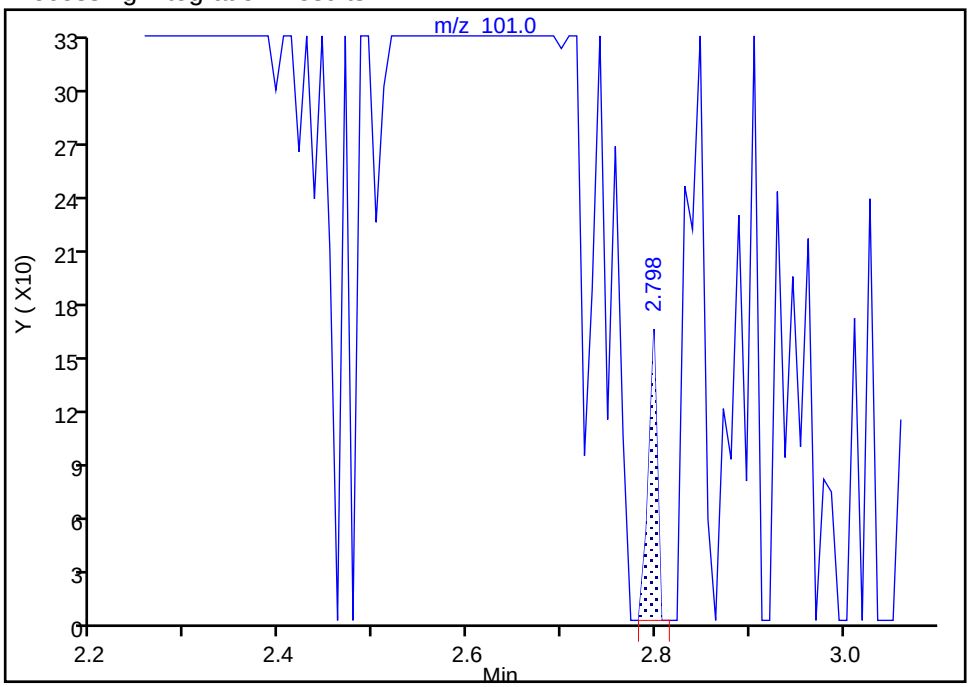
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17250.D		
Injection Date:	21-Jul-2021 12:32:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-6 MSD		
Client ID:	MW-6		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

16 112TCTFE, CAS: 76-13-1

Signal: 1

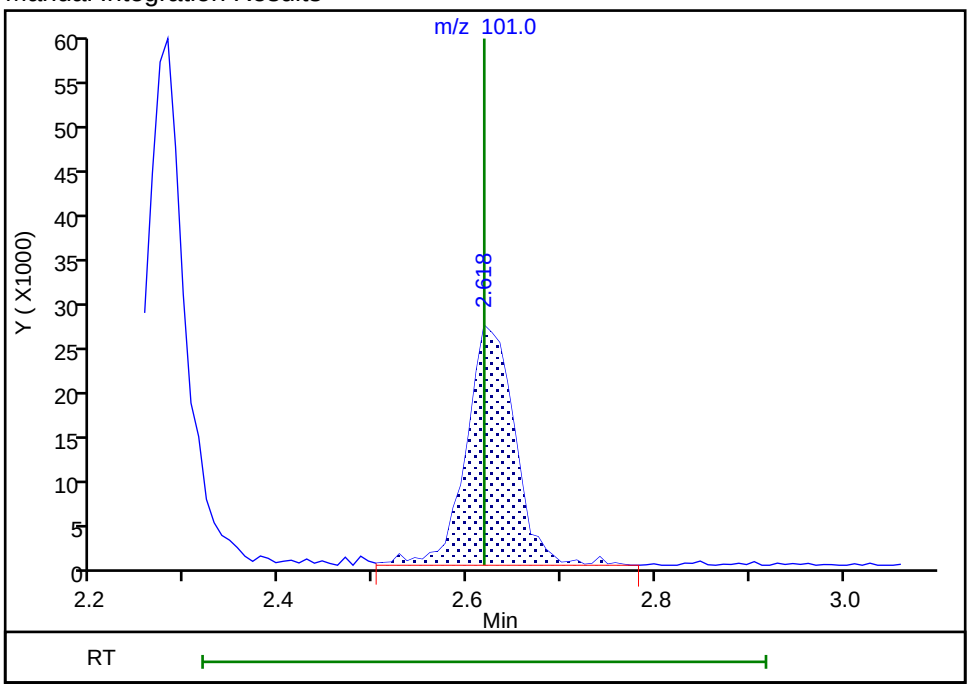
Processing Integration Results

RT: 2.80
Area: 104
Amount: 0.019863
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 97404
Amount: 18.602913
Amount Units: ug/l



Reviewer: parekhv, 21-Jul-2021 16:01:16

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

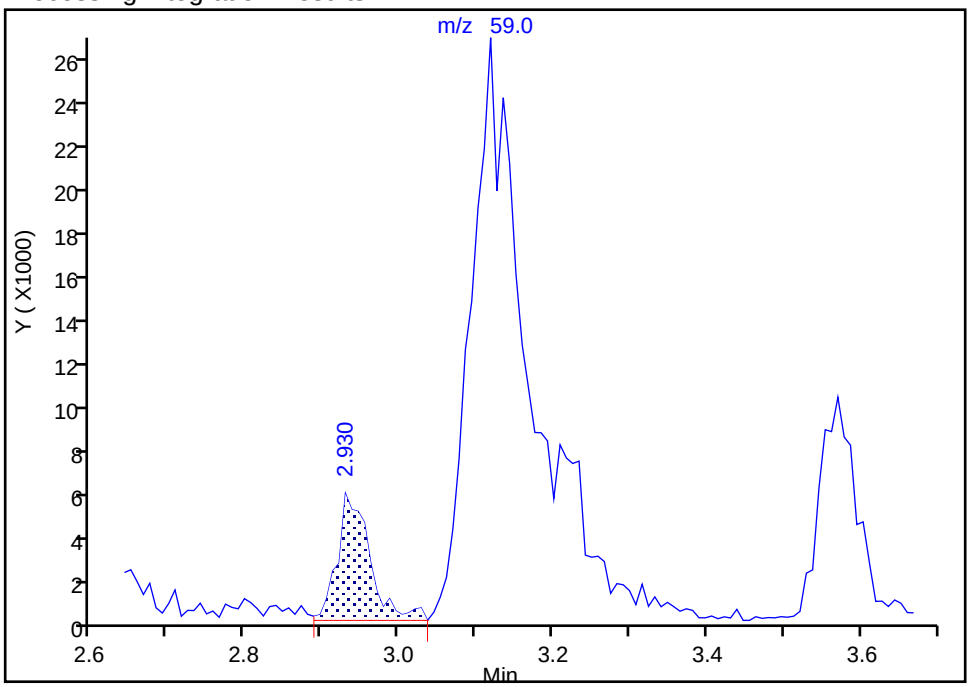
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17250.D				
Injection Date:	21-Jul-2021 12:32:30	Instrument ID:	CVOAMS6		
Lims ID:	460-239070-B-6 MSD				
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

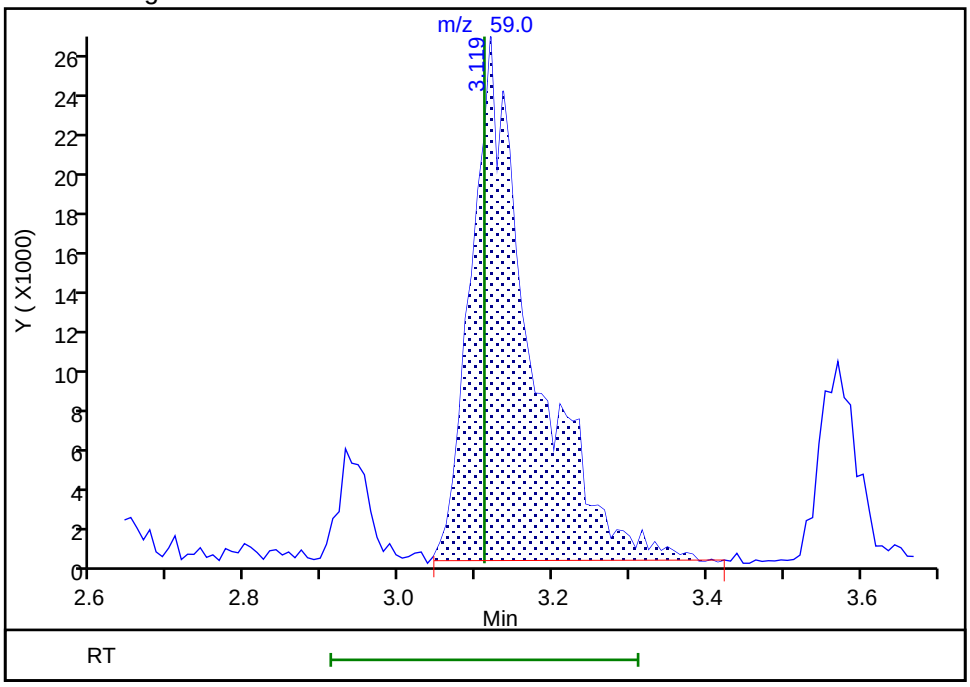
Processing Integration Results

RT: 2.93
Area: 16525
Amount: 22.134791
Amount Units: ug/l



Manual Integration Results

RT: 3.12
Area: 140987
Amount: 188.8483
Amount Units: ug/l



Reviewer: parekhv, 21-Jul-2021 16:01:09

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

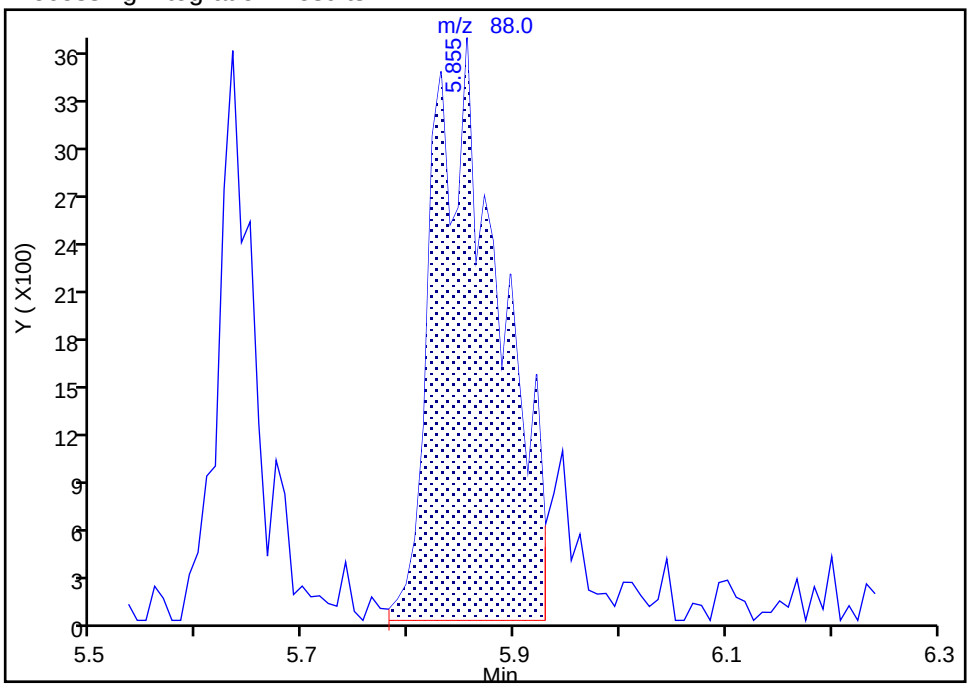
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20210721-132123.b\F17250.D		
Injection Date:	21-Jul-2021 12:32:30	Instrument ID:	CVOAMS6
Lims ID:	460-239070-B-6 MSD		
Client ID:	MW-6		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

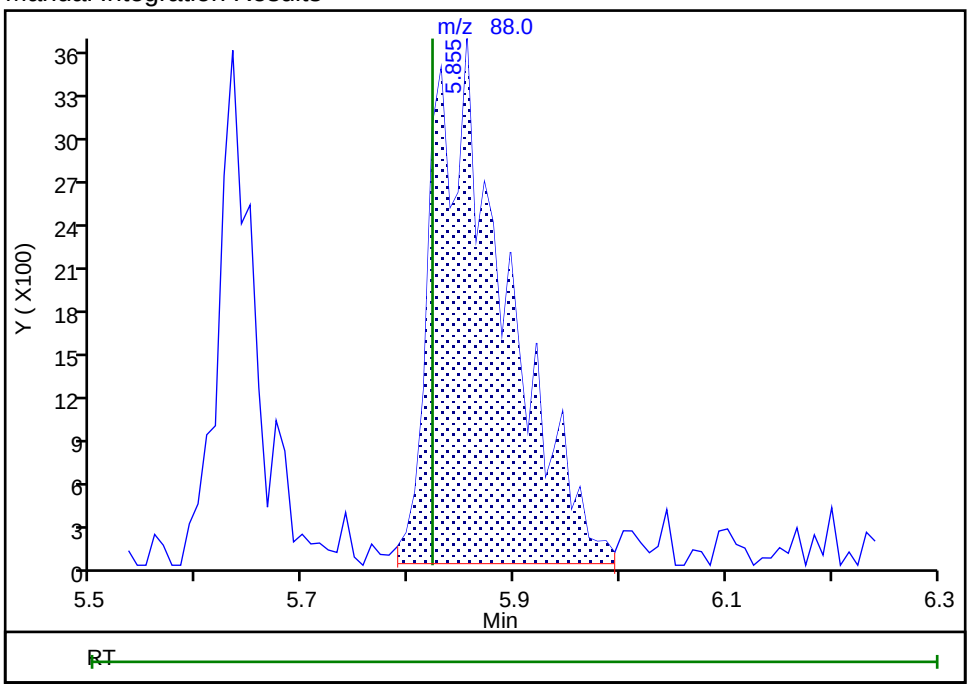
Processing Integration Results

RT: 5.86
Area: 16197
Amount: 485.7051
Amount Units: ug/l



Manual Integration Results

RT: 5.86
Area: 17692
Amount: 530.5362
Amount Units: ug/l



Reviewer: xuyvo, 23-Jul-2021 15:57:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 07/10/2021 07:58

Analysis Batch Number: 789505 End Date: 07/10/2021 13:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-789505/1		07/10/2021 07:58	1	F16850.D	Rtx-624 0.25(mm)
STD7 460-789505/3 IC		07/10/2021 08:45	1	F16852.D	Rtx-624 0.25(mm)
STD1 460-789505/5 IC		07/10/2021 09:31	1	F16854.D	Rtx-624 0.25(mm)
STD5 460-789505/6 IC		07/10/2021 09:53	1	F16855.D	Rtx-624 0.25(mm)
STD20 460-789505/7 ICIS		07/10/2021 10:15	1	F16856.D	Rtx-624 0.25(mm)
STD50 460-789505/8 IC		07/10/2021 10:38	1	F16857.D	Rtx-624 0.25(mm)
STD200 460-789505/9 IC		07/10/2021 11:00	1	F16858.D	Rtx-624 0.25(mm)
STD500 460-789505/10 IC		07/10/2021 11:23	1	F16859.D	Rtx-624 0.25(mm)
ICV 460-789505/15		07/10/2021 13:16	1	F16864.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 07/21/2021 06:43

Analysis Batch Number: 791566 End Date: 07/21/2021 16:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-791566/3		07/21/2021 06:43	1	F17235.D	Rtx-624 0.25(mm)
LCS 460-791566/4		07/21/2021 07:07	1	F17236.D	Rtx-624 0.25(mm)
ZZZZZ		07/21/2021 07:52	1		Rtx-624 0.25(mm)
MB 460-791566/10		07/21/2021 09:30	1	F17242.D	Rtx-624 0.25(mm)
ZZZZZ		07/21/2021 09:53	1		Rtx-624 0.25(mm)
ZZZZZ		07/21/2021 10:16	1		Rtx-624 0.25(mm)
ZZZZZ		07/21/2021 11:02	1		Rtx-624 0.25(mm)
ZZZZZ		07/21/2021 11:24	1		Rtx-624 0.25(mm)
ZZZZZ		07/21/2021 11:47	2		Rtx-624 0.25(mm)
460-239070-6 MS	MW-6 MS	07/21/2021 12:10	1	F17249.D	Rtx-624 0.25(mm)
460-239070-6 MSD	MW-6 MSD	07/21/2021 12:32	1	F17250.D	Rtx-624 0.25(mm)
460-239070-9	TB071621	07/21/2021 13:41	1	F17253.D	Rtx-624 0.25(mm)
460-239070-8	FB071621	07/21/2021 14:04	1	F17254.D	Rtx-624 0.25(mm)
460-239070-6	MW-6	07/21/2021 14:26	1	F17255.D	Rtx-624 0.25(mm)
460-239070-7	MW-XX	07/21/2021 14:49	1	F17256.D	Rtx-624 0.25(mm)
460-239070-5	MW-5	07/21/2021 15:11	1	F17257.D	Rtx-624 0.25(mm)
460-239070-4	MW-4A	07/21/2021 15:35	1	F17258.D	Rtx-624 0.25(mm)
460-239070-3	MW-3A	07/21/2021 15:57	1	F17259.D	Rtx-624 0.25(mm)
460-239070-1	MW-1	07/21/2021 16:20	1	F17260.D	Rtx-624 0.25(mm)
460-239070-2	MW-2	07/21/2021 16:43	25	F17261.D	Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 789505 Batch Start Date: 07/10/21 07:58 Batch Analyst: Tupayachi, Audberto

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	14DIOXINTER 00131	524freon 00039	8260 SP 00142	8260MIX1COMB 00140
BFB 460-789505/1		8260D		5 mL	5 mL				
STD7 460-789505/3 IC		8260D		5 mL	5 mL				
STD1 460-789505/5 IC		8260D		5 mL	5 mL	30 uL	10 uL		10 uL
STD5 460-789505/6 IC		8260D		5 mL	5 mL		10 uL		10 uL
STD20 460-789505/7 ICIS		8260D		5 mL	5 mL		20 uL		20 uL
STD50 460-789505/8 IC		8260D		5 mL	5 mL		50 uL		50 uL
STD200 460-789505/9 IC		8260D		5 mL	5 mL				
STD500 460-789505/10 IC		8260D		5 mL	5 mL				
ICV 460-789505/15		8260D		5 mL	5 mL			20 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	8FreonHi 00034	8FreonsSS 00034	ACROLEIN SP 00126	ACROLEIN W 00128	ACRY/EPIH MIX 00087	BFB 00029
BFB 460-789505/1		8260D							1 uL
STD7 460-789505/3 IC		8260D						20 uL	
STD1 460-789505/5 IC		8260D					4 uL		
STD5 460-789505/6 IC		8260D					4 uL		
STD20 460-789505/7 ICIS		8260D					4 uL		
STD50 460-789505/8 IC		8260D					10 uL		
STD200 460-789505/9 IC		8260D		20 uL			20 uL		
STD500 460-789505/10 IC		8260D		50 uL			40 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 789505 Batch Start Date: 07/10/21 07:58 Batch Analyst: Tupayachi, Audberto

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	8FreonHi 00034	8FreonsSS 00034	ACROLEIN SP 00126	ACROLEIN W 00128	ACRY/EPIH MIX 00087	BFB 00029
ICV 460-789505/15		8260D			20 uL	4 uL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	Ethanol mix 00054	GAS C SP 00417	GAS Hi 00392	GASES Li 00428	MIX 2 Hi 00113	MIX I Hi 00140
BFB 460-789505/1		8260D							
STD7 460-789505/3 IC		8260D					2.5 uL		
STD1 460-789505/5 IC		8260D					10 uL		
STD5 460-789505/6 IC		8260D					10 uL		
STD20 460-789505/7 ICIS		8260D					20 uL		
STD50 460-789505/8 IC		8260D					50 uL		
STD200 460-789505/9 IC		8260D		20 uL		20 uL		20 uL	20 uL
STD500 460-789505/10 IC		8260D		50 uL		50 uL		50 uL	50 uL
ICV 460-789505/15		8260D			20 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA6IS/SURR 00047					
BFB 460-789505/1		8260D							
STD7 460-789505/3 IC		8260D		5 uL					
STD1 460-789505/5 IC		8260D		5 uL					
STD5 460-789505/6 IC		8260D		5 uL					
STD20 460-789505/7 ICIS		8260D		5 uL					
STD50 460-789505/8 IC		8260D		5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 789505 Batch Start Date: 07/10/21 07:58 Batch Analyst: Tupayachi, Audberto

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA6IS/SURR 00047					
STD200 460-789505/9 IC		8260D		5 uL					
STD500 460-789505/10 IC		8260D		5 uL					
ICV 460-789505/15		8260D		5 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 791566 Batch Start Date: 07/21/21 06:43 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260MIX1COMB 00140	ACROLEIN W 00128	GASES Li 00429
CCVIS 460-791566/3		8260D		5 mL	5 mL		20 uL	4 uL	20 uL
LCS 460-791566/4		8260D		5 mL	5 mL		20 uL	4 uL	20 uL
MB 460-791566/10		8260D		5 mL	5 mL				
460-239070-B-6 MS	MW-6	8260D	T	5 mL	5 mL	<2 PH Units	20 uL	4 uL	20 uL
460-239070-B-6 MSD	MW-6	8260D	T	5 mL	5 mL	<2 PH Units	20 uL	4 uL	20 uL
460-239070-B-9	TB071621	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-8	FB071621	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-6	MW-6	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-7	MW-XX	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-5	MW-5	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-4	MW-4A	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-3	MW-3A	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-1	MW-1	8260D	T	5 mL	5 mL	<2 PH Units			
460-239070-B-2	MW-2	8260D	T	5 mL	5 mL	<2 PH Units			

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA6IS/SURR 00047					
CCVIS 460-791566/3		8260D		5 uL					
LCS 460-791566/4		8260D		5 uL					
MB 460-791566/10		8260D		5 uL					
460-239070-B-6 MS	MW-6	8260D	T	5 uL					
460-239070-B-6 MSD	MW-6	8260D	T	5 uL					
460-239070-B-9	TB071621	8260D	T	5 uL					
460-239070-B-8	FB071621	8260D	T	5 uL					
460-239070-B-6	MW-6	8260D	T	5 uL					
460-239070-B-7	MW-XX	8260D	T	5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 791566 Batch Start Date: 07/21/21 06:43 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA6IS/SURR 00047					
460-239070-B-5	MW-5	8260D	T	5 uL					
460-239070-B-4	MW-4A	8260D	T	5 uL					
460-239070-B-3	MW-3A	8260D	T	5 uL					
460-239070-B-1	MW-1	8260D	T	5 uL					
460-239070-B-2	MW-2	8260D	T	5 uL					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E_SIM_MS_ID

Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DXE #
MW-1	460-239070-1	34
MW-3A	460-239070-3	30
MW-6	460-239070-6	23
MW-XX	460-239070-7	24
FB071621	460-239070-8	24
	MB 460-791424/1-A	25
	LCS 460-791424/2-A	29
	LCSD 460-791424/3-A	28
MW-6 MS	460-239070-6 MS	26
MW-6 MSD	460-239070-6 MSD	27

	QC LIMITS
DXE = 1,4-Dioxane-d8	10-150

Column to be used to flag recovery values

FORM II 8270E SIM ID

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: h266980.d

Lab ID: LCS 460-791424/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.60	1.85	116	50-142	
1,4-Dioxane-d8	32.0	9.42	29	10-150	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM ID

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: h266981.d

Lab ID: LCSD 460-791424/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.60	1.73	108	7	20	50-142	
1,4-Dioxane-d8	32.0	9.03	28			10-150	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM ID

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: h266983.d

Lab ID: 460-239070-6 MS Client ID: MW-6 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.60	0.20 U	1.98	124	50-142	
1,4-Dioxane-d8	32.0	7.3	8.21	26	10-150	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM ID

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Matrix: Water Level: Low Lab File ID: h266984.d

Lab ID: 460-239070-6 MSD Client ID: MW-6 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	4.00	15.8	396	155	20	50-142	*
1,4-Dioxane-d8	32.0	8.78	27			10-150	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM ID

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab File ID: h266979.d Lab Sample ID: MB 460-791424/1-A

Matrix: Water Date Extracted: 07/20/2021 10:17

Instrument ID: CBNAMS9 Date Analyzed: 07/20/2021 19:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-791424/2-A	h266980.d	07/20/2021 20:11
	LCSD 460-791424/3-A	h266981.d	07/20/2021 20:27
MW-6	460-239070-6	h266982.d	07/20/2021 20:43
MW-6 MS	460-239070-6 MS	h266983.d	07/20/2021 20:59
MW-6 MSD	460-239070-6 MSD	h266984.d	07/20/2021 21:15
MW-3A	460-239070-3	h266985.d	07/20/2021 21:31
MW-XX	460-239070-7	h266986.d	07/20/2021 21:47
FB071621	460-239070-8	h266987.d	07/20/2021 22:03
MW-1	460-239070-1	h266997.d	07/21/2021 00:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab File ID: h266841.d DFTPP Injection Date: 07/13/2021

Instrument ID: CBNAMS9 DFTPP Injection Time: 13:30

Analysis Batch No.: 790012

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2% of m/z 69	0.0 (0.0) 1
69	Present	35.6
70	Less than 2% of m/z 69	0.1 (0.3) 1
197	Less than 2% of m/z 198	0.0
198	Base Peak	100.0
199	5-9% of m/z 198	7.0
365	Greater than 1% of Base Peak	2.8
441	Less than 150% of m/z 443	13.0 (73.5) 3
442	Present	88.4
443	15-24% of m/z 442	17.7 (20.1) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-790012/2	h266842.d	07/13/2021	13:46
	STD9 460-790012/3	h266843.d	07/13/2021	14:01
	STD8 460-790012/4	h266844.d	07/13/2021	14:17
	STD7 460-790012/5	h266845.d	07/13/2021	14:33
	STD6 460-790012/6	h266846.d	07/13/2021	14:49
	STD4 460-790012/7	h266847.d	07/13/2021	15:05
	STD3 460-790012/8	h266848.d	07/13/2021	15:21
	STD2 460-790012/9	h266849.d	07/13/2021	15:37
	STD1 460-790012/10	h266850.d	07/13/2021	15:53

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Sample No.: CCVIS 460-791477/2 Date Analyzed: 07/20/2021 19:35

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): h266978.d Heated Purge: (Y/N) N

Calibration ID: 86285

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		10392	5.37				
UPPER LIMIT		20784	5.87				
LOWER LIMIT		5196	4.87				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-791424/1-A		13859	5.37				
LCS 460-791424/2-A		14251	5.37				
LCSD 460-791424/3-A		14264	5.37				
460-239070-6	MW-6	15013	5.37				
460-239070-6 MS	MW-6 MS	16931	5.37				
460-239070-6 MSD	MW-6 MSD	16459	5.37				
460-239070-3	MW-3A	14210	5.37				
460-239070-7	MW-XX	15646	5.37				
460-239070-8	FB071621	15350	5.37				
460-239070-1	MW-1	17586	5.36				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E SIM ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-239070-1

Matrix: Water Lab File ID: h266997.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 10:20

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/21/2021 00:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	34		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266997.d
Lims ID: 460-239070-E-1-A
Client ID: MW-1
Sample Type: Client
Inject. Date: 21-Jul-2021 00:42:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-021
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 20-Jul-2021 23:26:46 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: khlungprakhons Date: 21-Jul-2021 12:28:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.711	1.707	0.000	6	28371	1.34	33.5	
*	4 1,4-Dichlorobenzene-d4	150	5.362	5.374	-0.012	1	17586	0.2000		

QC Flag Legend

Processing Flags

Reagents:

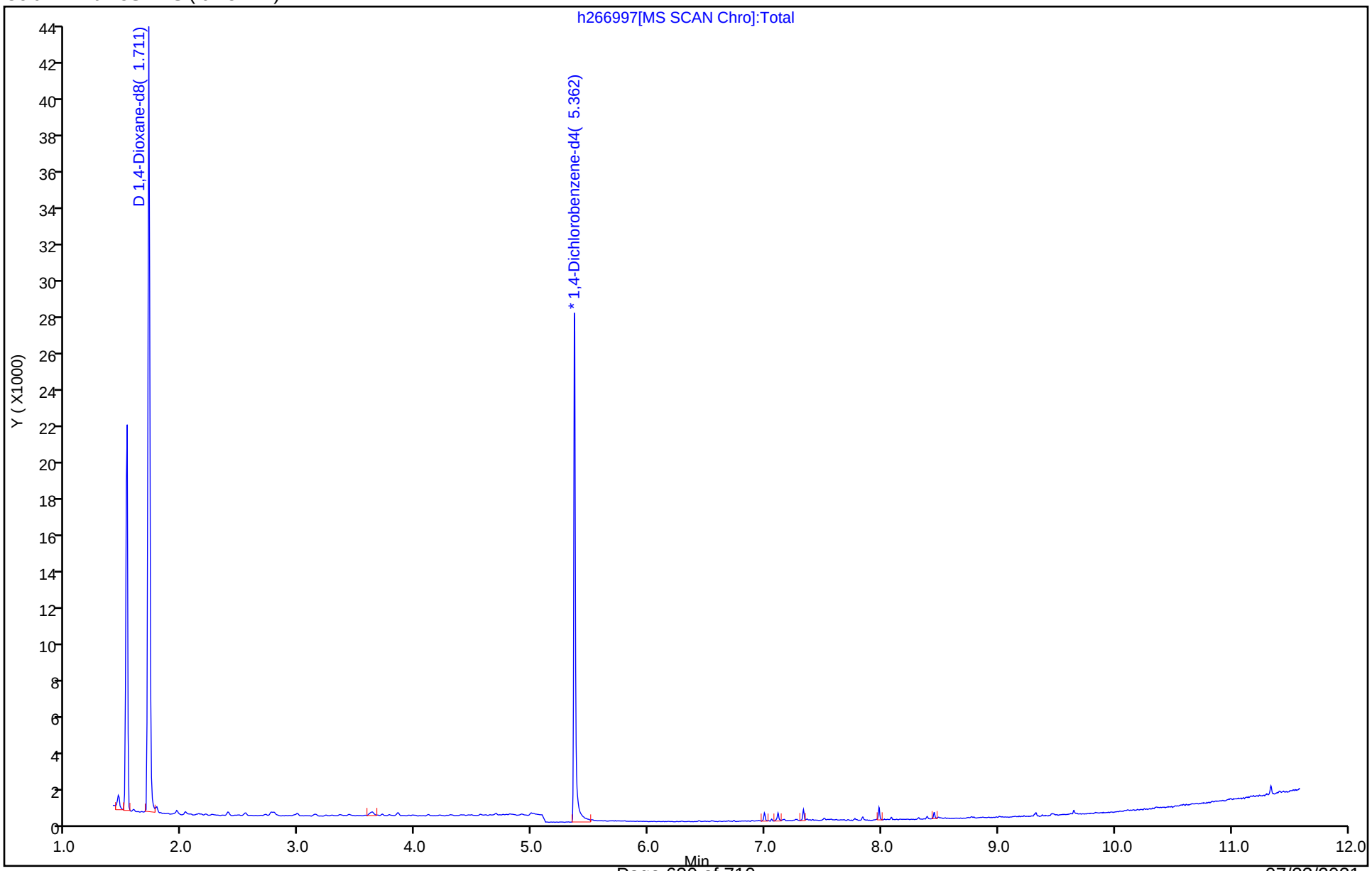
SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 21-Jul-2021 12:28:53 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266997.d				
Injection Date:	21-Jul-2021 00:42:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-1-A	Lab Sample ID:	460-239070-1	Worklist Smp#:	21
Client ID:	MW-1				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

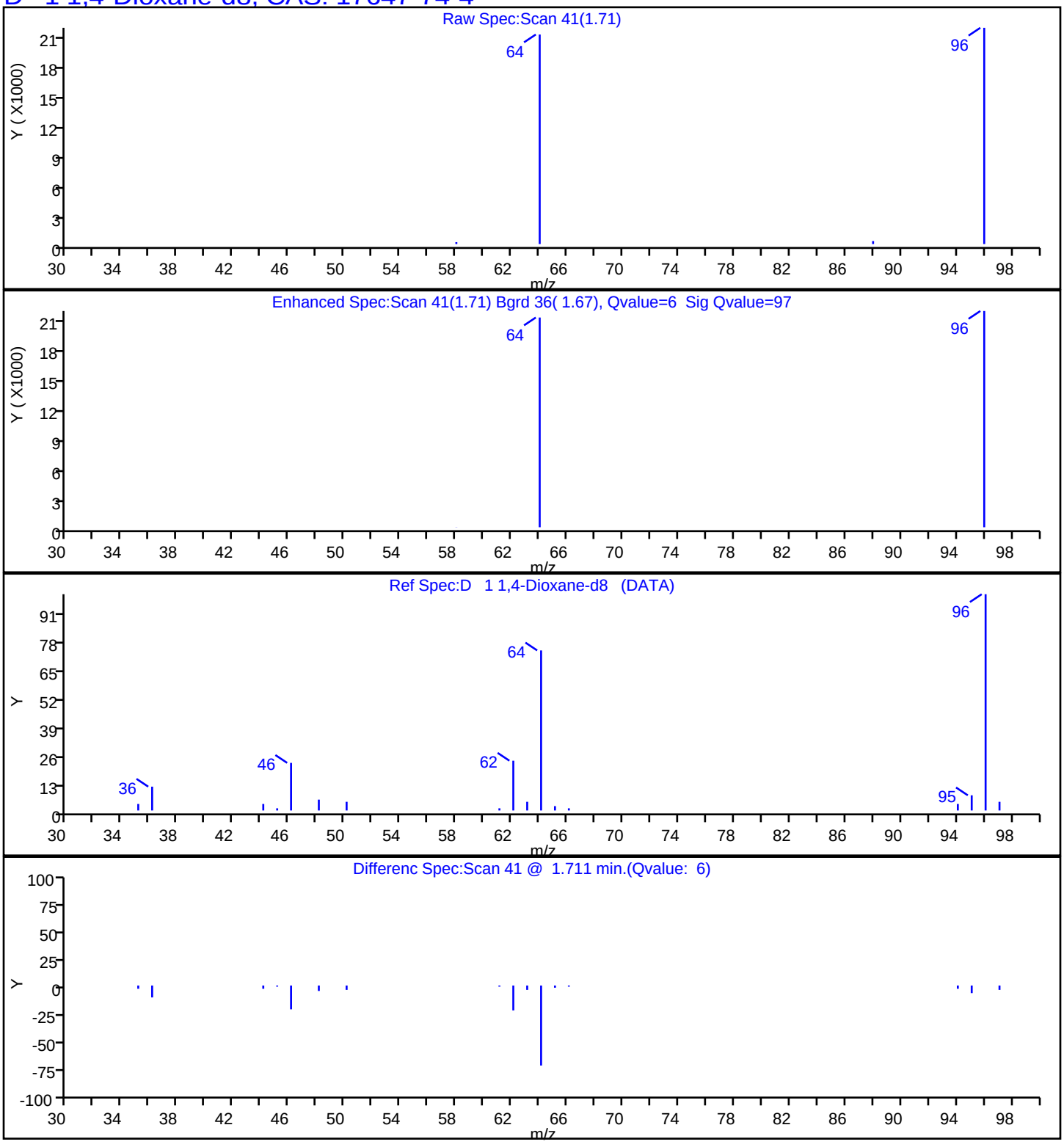
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266997.d				
Injection Date:	21-Jul-2021 00:42:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-1-A	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



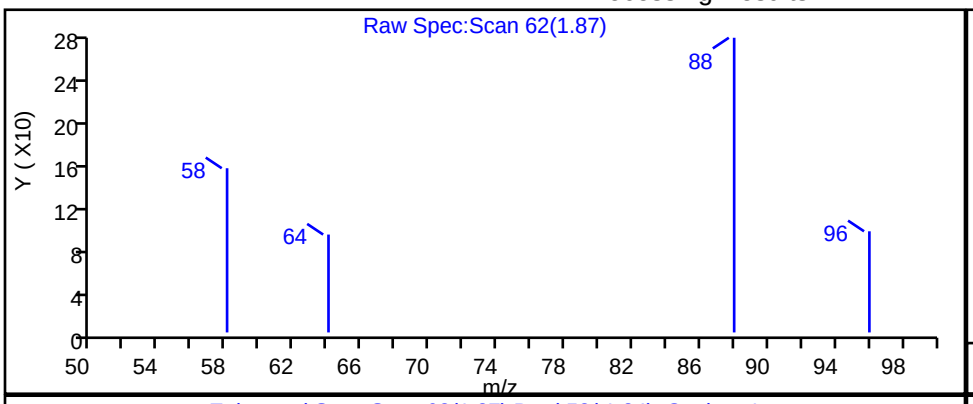
User Disabled Compound Report

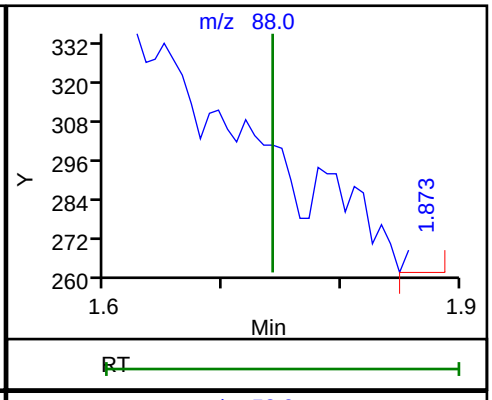
Eurofins TestAmerica, Edison

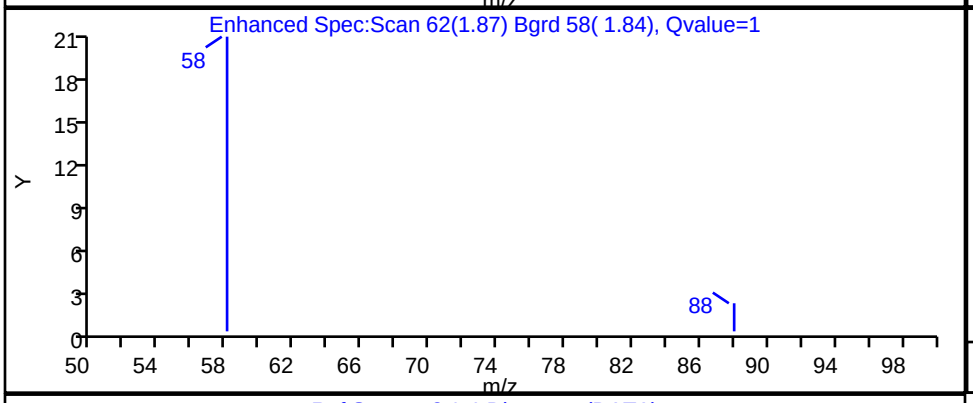
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266997.d				
Injection Date:	21-Jul-2021 00:42:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-1-A	Lab Sample ID:	460-239070-1		
Client ID:	MW-1				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

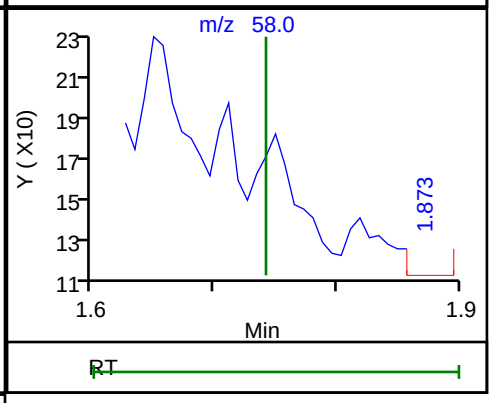
2 1,4-Dioxane, CAS: 123-91-1

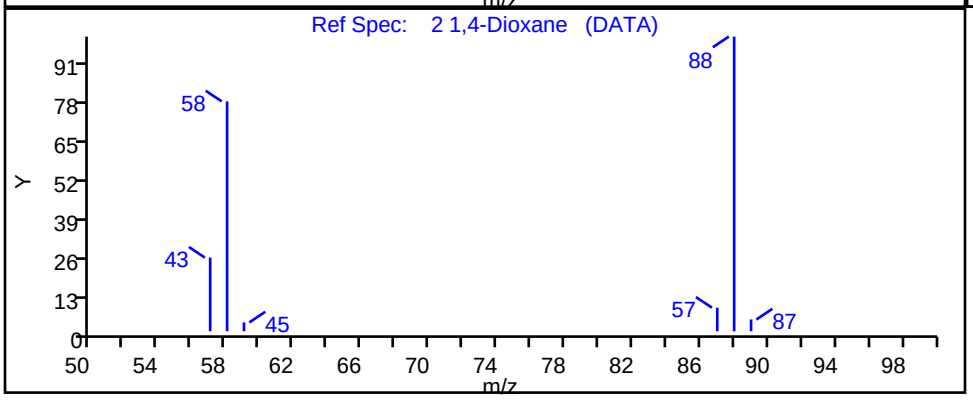
Processing Results











RT	Mass	Response	Amount
1.87	88.00	16	
1.87	58.00	50	

Reviewer: maheseep, 21-Jul-2021 12:01:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-3A Lab Sample ID: 460-239070-3

Matrix: Water Lab File ID: h266985.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 12:35

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 21:31

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	30		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266985.d
Lims ID: 460-239070-E-3-A
Client ID: MW-3A
Sample Type: Client
Inject. Date: 20-Jul-2021 21:31:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-009
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 12:22:53 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: maheseep Date: 21-Jul-2021 11:29:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.718	1.711	0.007	13	20269	1.19	29.6	
*	4 1,4-Dichlorobenzene-d4	150	5.370	5.374	-0.004	1	14210	0.2000		

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

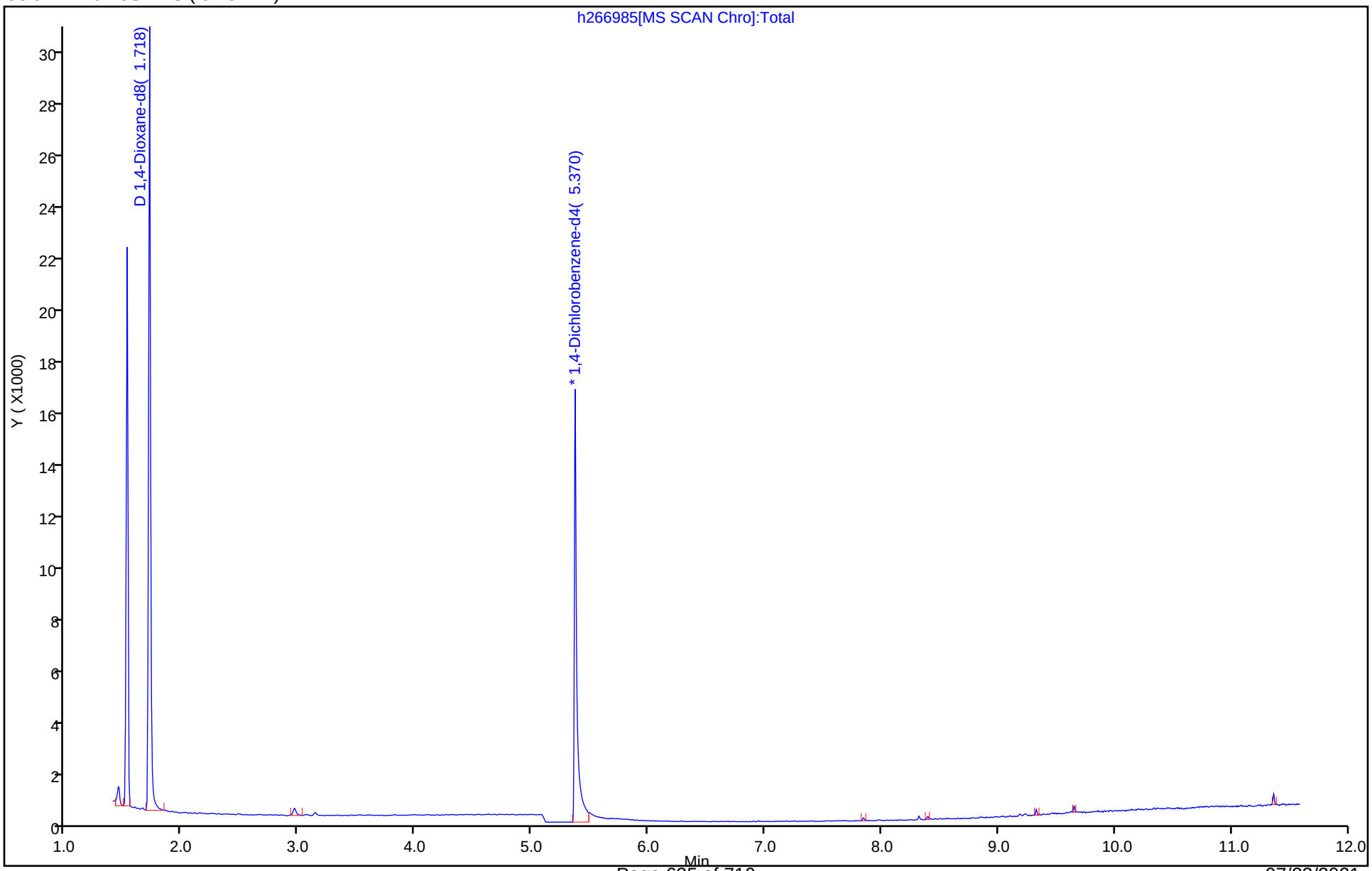
Report Date: 21-Jul-2021 12:24:26 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266985.d

Injection Date:	20-Jul-2021 21:31:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-3-A	Lab Sample ID:	460-239070-3	Worklist Smp#:	9
Client ID:	MW-3A				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

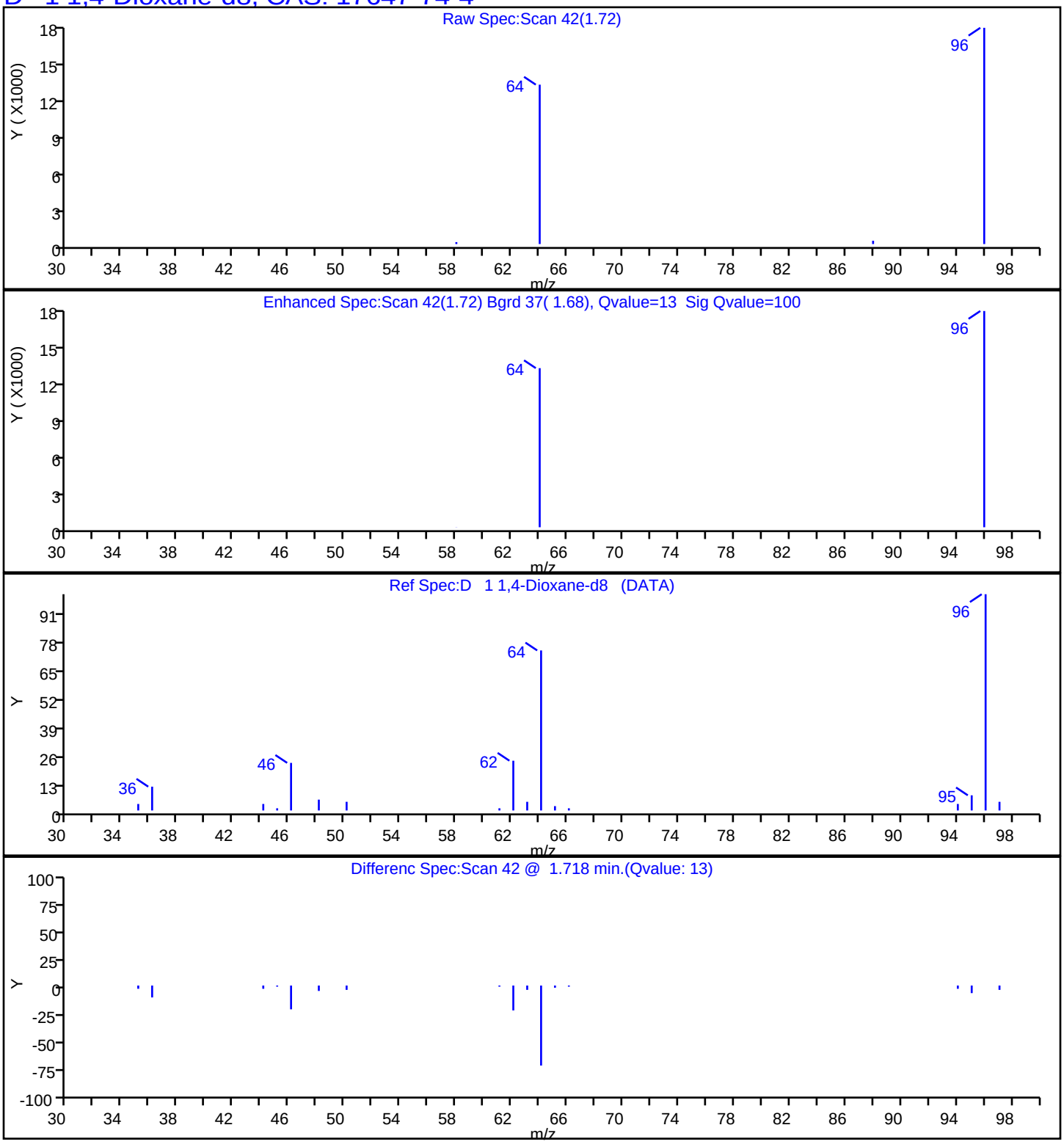
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266985.d				
Injection Date:	20-Jul-2021 21:31:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-3-A	Lab Sample ID:	460-239070-3		
Client ID:	MW-3A				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



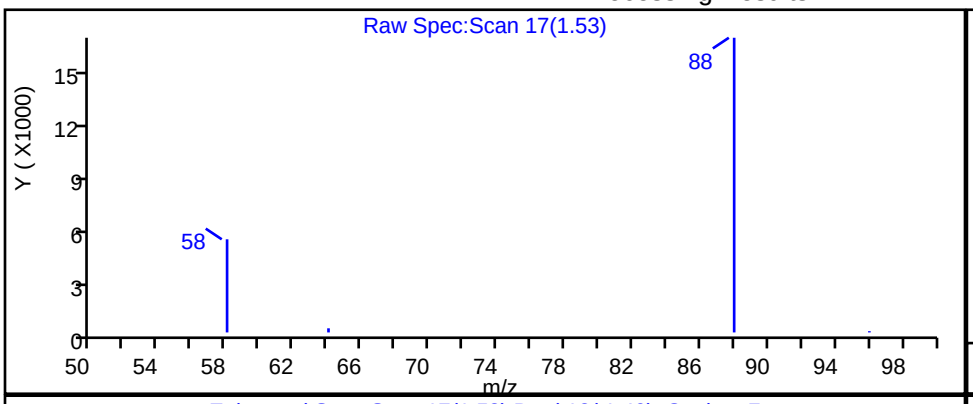
User Disabled Compound Report

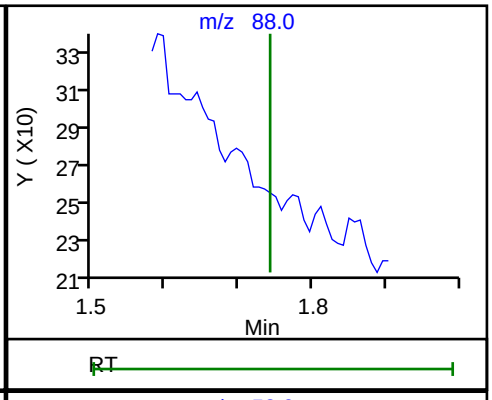
Eurofins TestAmerica, Edison

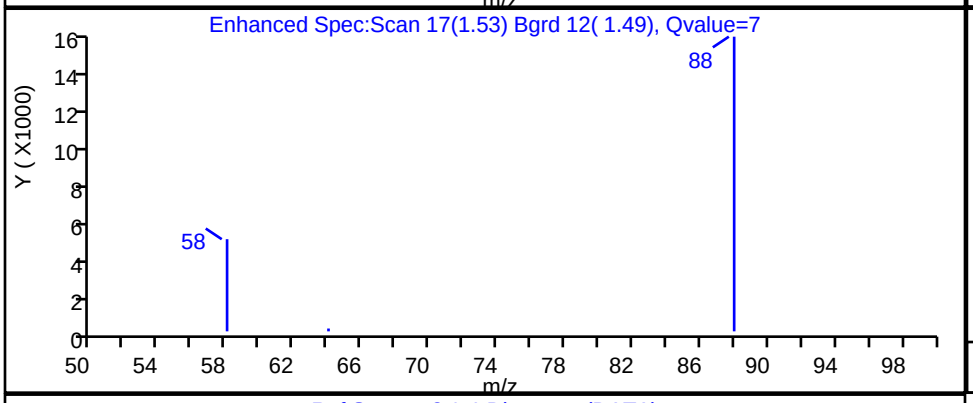
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266985.d		
Injection Date:	20-Jul-2021 21:31:30	Instrument ID:	CBNAMS9
Lims ID:	460-239070-E-3-A	Lab Sample ID:	460-239070-3
Client ID:	MW-3A		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

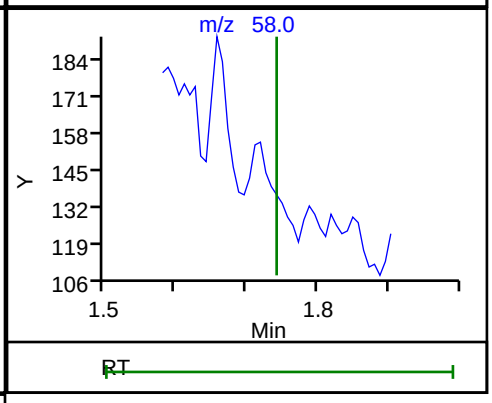
2 1,4-Dioxane, CAS: 123-91-1

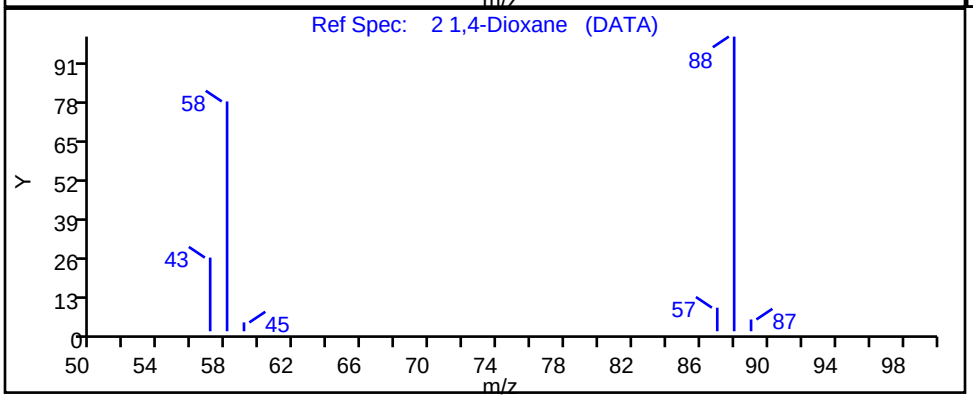
Processing Results











RT	Mass	Response	Amount
1.53	88.00	17103	
1.53	58.00	5246	

Reviewer: maheseep, 21-Jul-2021 11:29:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 460-239070-6

Matrix: Water Lab File ID: h266982.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 09:20

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 20:43

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	23		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266982.d
Lims ID: 460-239070-E-6-C
Client ID: MW-6
Sample Type: Client
Inject. Date: 20-Jul-2021 20:43:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-006
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 13:58:44 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: maheseep Date: 21-Jul-2021 11:29:07

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.711	0.008	10	16511	0.9138	22.8	
*	4 1,4-Dichlorobenzene-d4	150	5.370	5.374	-0.004	1	15013	0.2000		

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

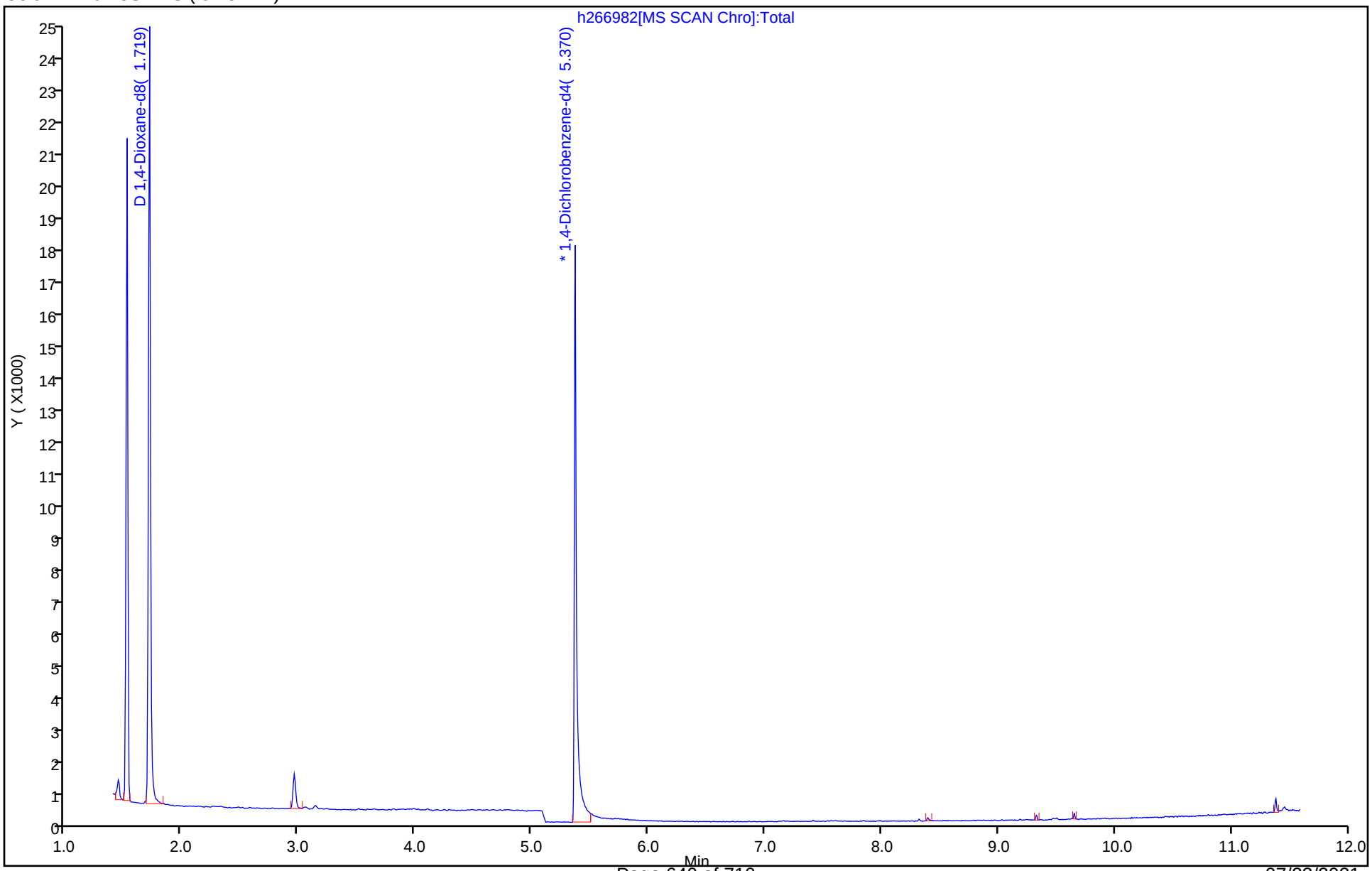
Report Date: 21-Jul-2021 07:20:36 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266982.d

Injection Date:	20-Jul-2021 20:43:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-6-C	Lab Sample ID:	460-239070-6	Worklist Smp#:	6
Client ID:	MW-6				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

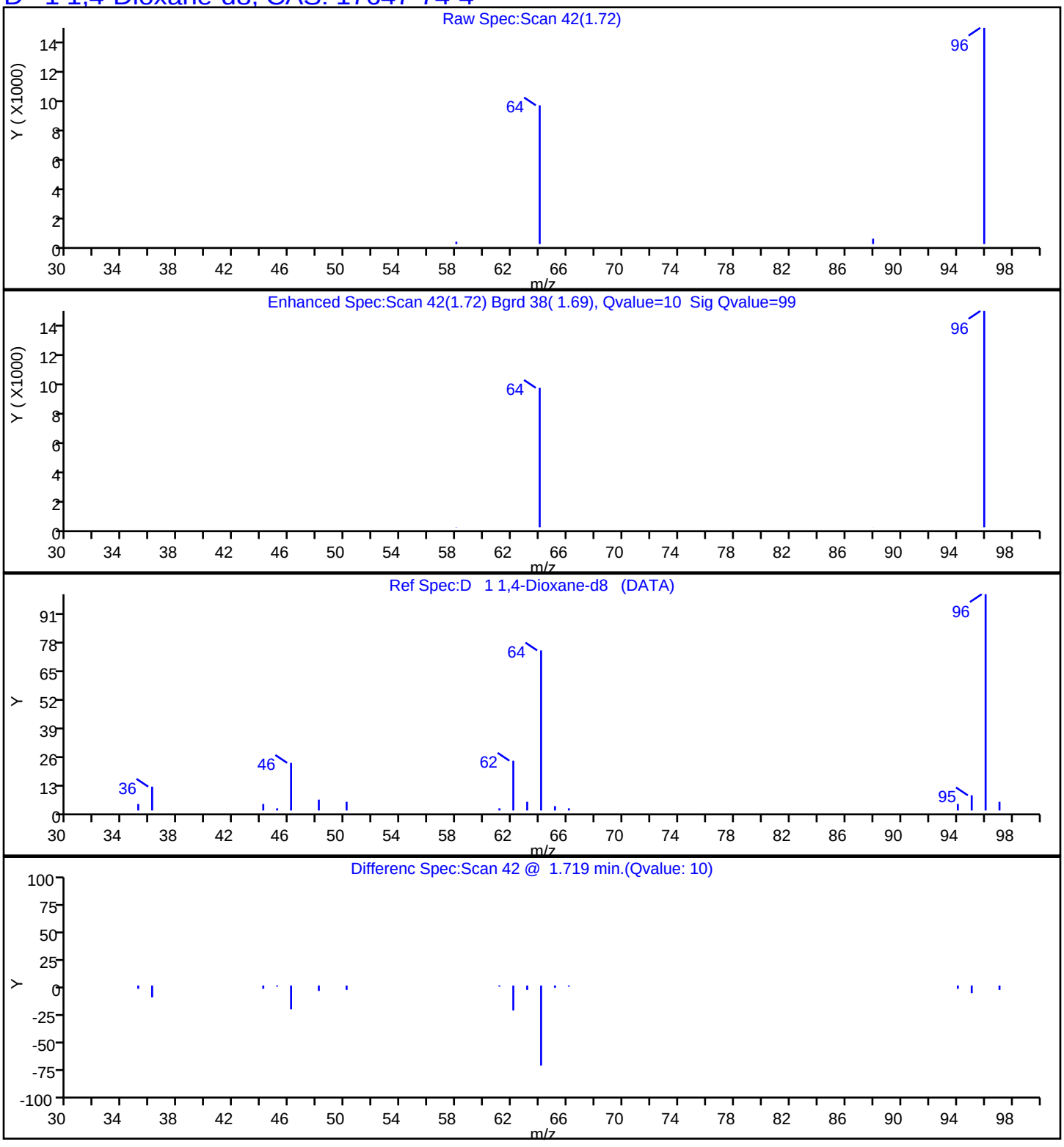
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266982.d				
Injection Date:	20-Jul-2021 20:43:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-6-C	Lab Sample ID:	460-239070-6		
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



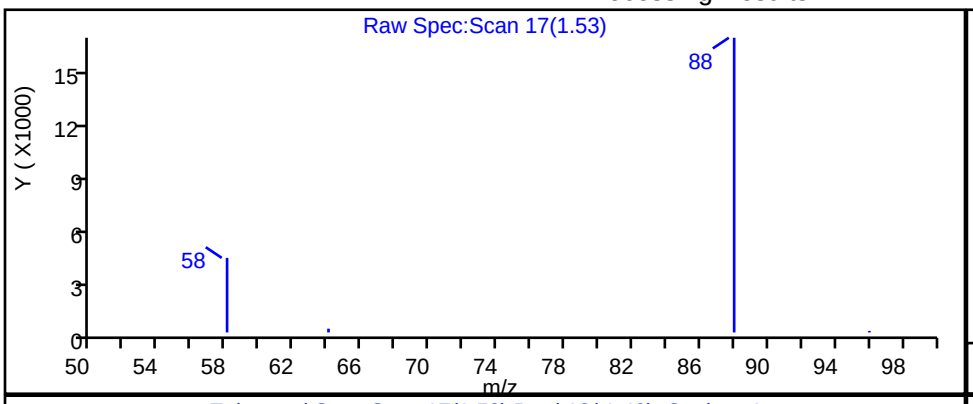
User Disabled Compound Report

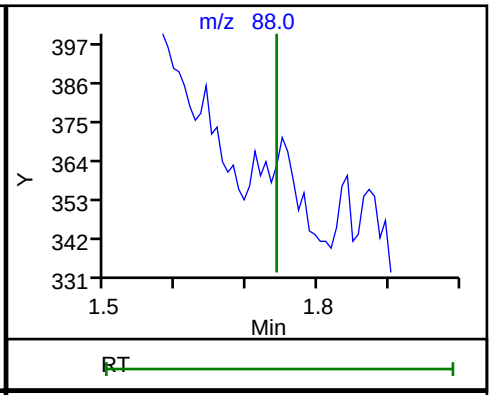
Eurofins TestAmerica, Edison

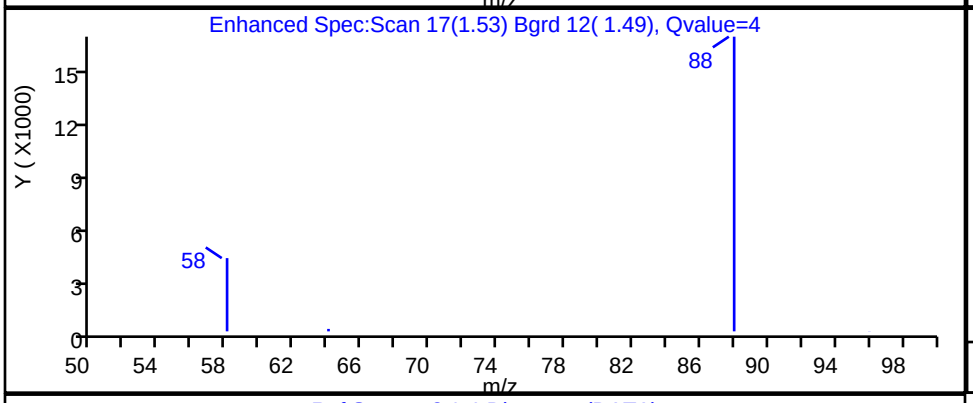
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266982.d				
Injection Date:	20-Jul-2021 20:43:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-6-C	Lab Sample ID:	460-239070-6		
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

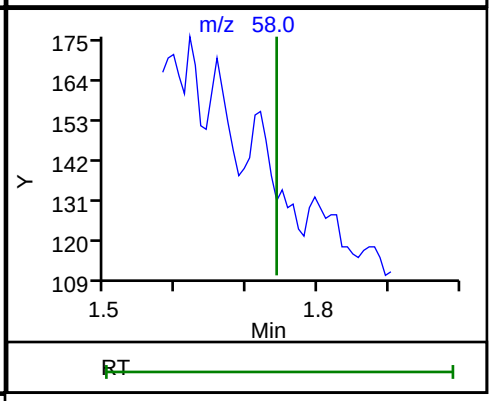
2 1,4-Dioxane, CAS: 123-91-1

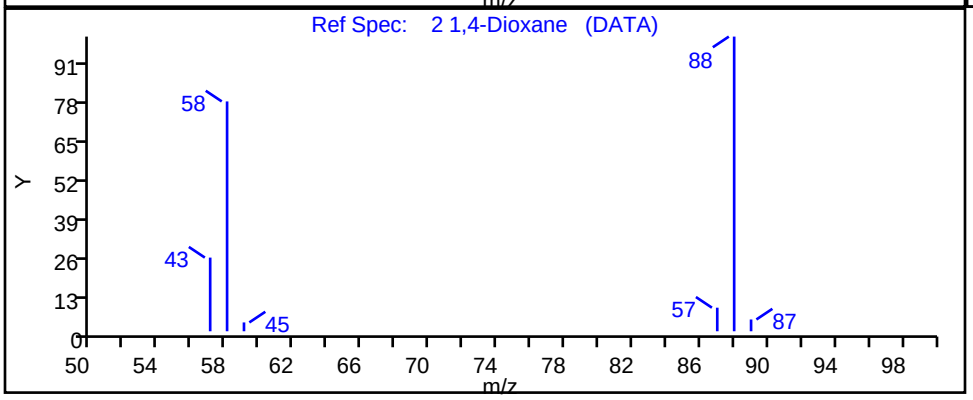
Processing Results











RT	Mass	Response	Amount
1.53	88.00	16119	
1.53	58.00	4823	

Reviewer: maheseep, 21-Jul-2021 11:29:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-XX Lab Sample ID: 460-239070-7

Matrix: Water Lab File ID: h266986.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 12:35

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 21:47

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	24		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266986.d				
Lims ID:	460-239070-E-7-A				
Client ID:	MW-XX				
Sample Type:	Client				
Inject. Date:	20-Jul-2021 21:47:30	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0132101-010				
Operator ID:		Instrument ID:	CBNAMS9		
Method:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m				
Limit Group:	MSS 8270 Isotope Dilution IS				
Last Update:	21-Jul-2021 12:22:53	Calib Date:	13-Jul-2021 15:53:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Isotopic Dilution	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				
First Level Reviewer: maheseep		Date:	21-Jul-2021 11:29:39		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.711	0.008	6	18440	0.9793	24.5	
*	4 1,4-Dichlorobenzene-d4	150	5.366	5.374	-0.008	1	15646	0.2000		

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

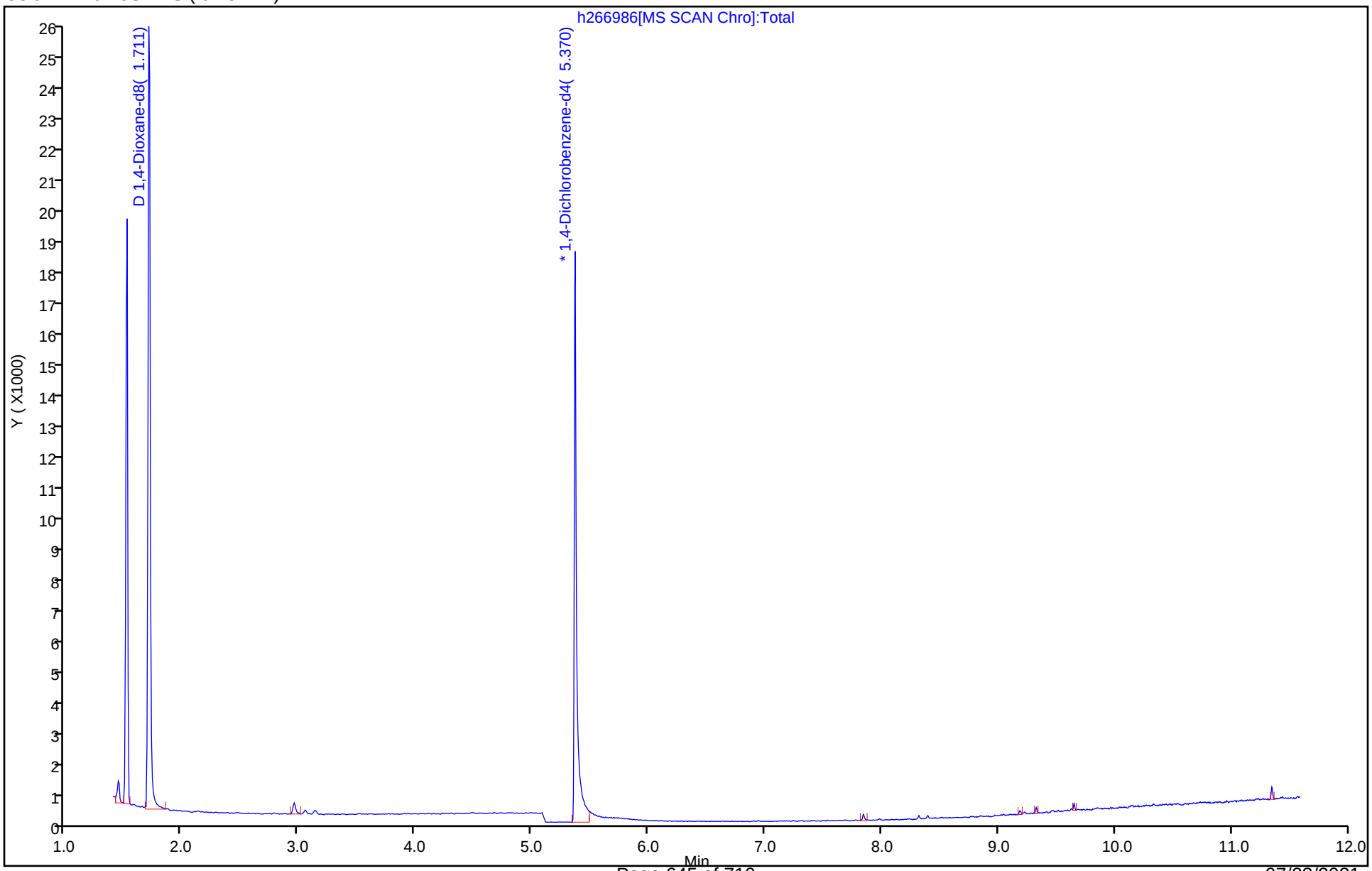
Report Date: 21-Jul-2021 12:24:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266986.d

Injection Date:	20-Jul-2021 21:47:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-7-A	Lab Sample ID:	460-239070-7	Worklist Smp#:	10
Client ID:	MW-XX				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

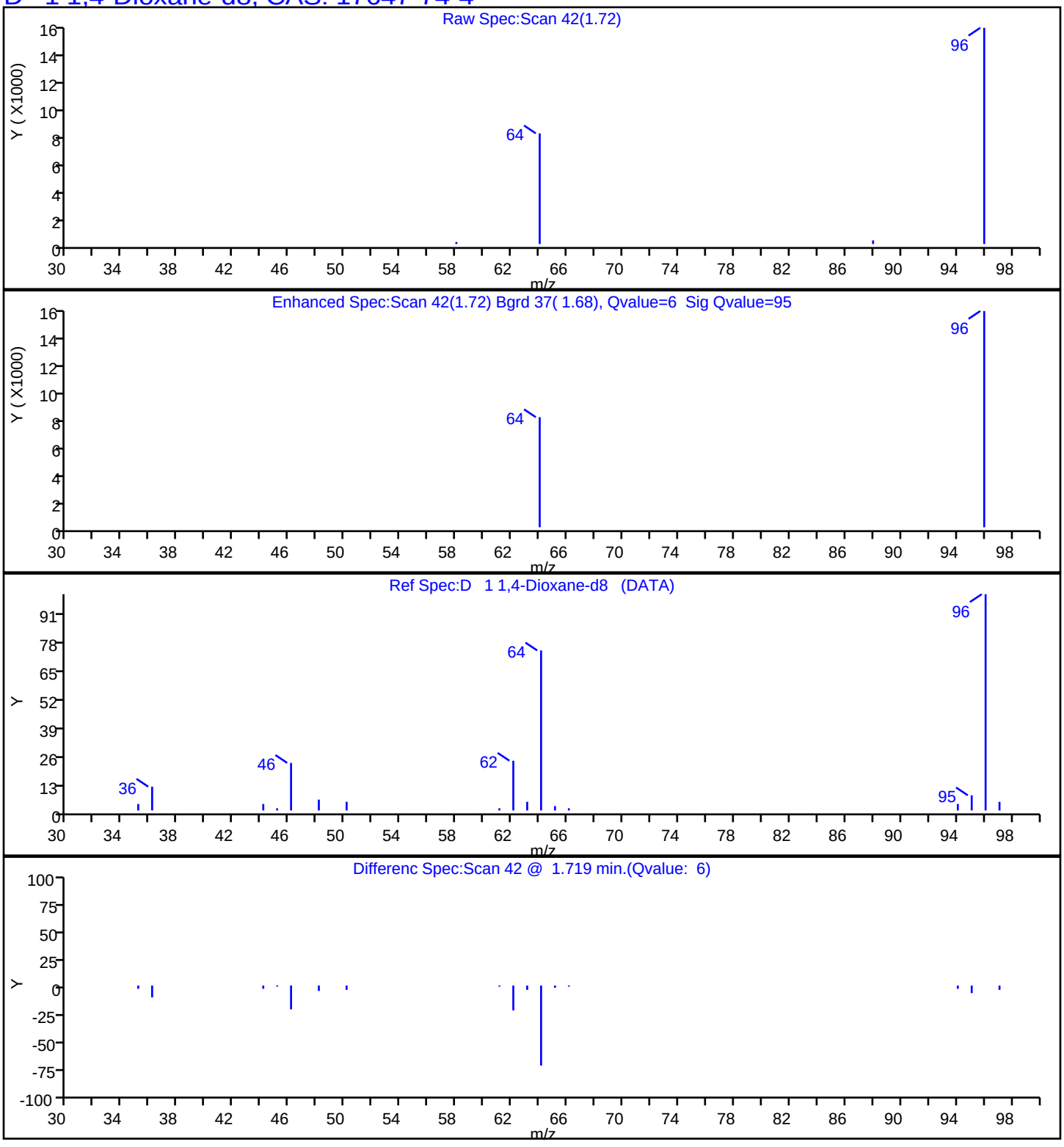
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266986.d				
Injection Date:	20-Jul-2021 21:47:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-7-A	Lab Sample ID:	460-239070-7		
Client ID:	MW-XX				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



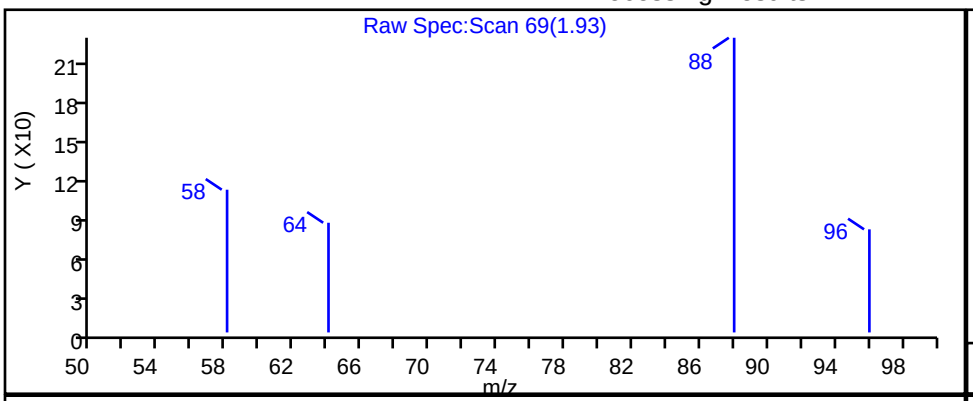
User Disabled Compound Report

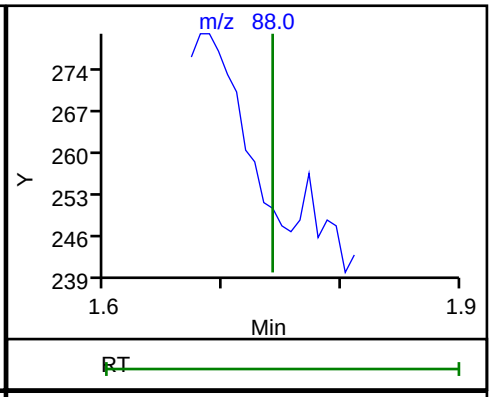
Eurofins TestAmerica, Edison

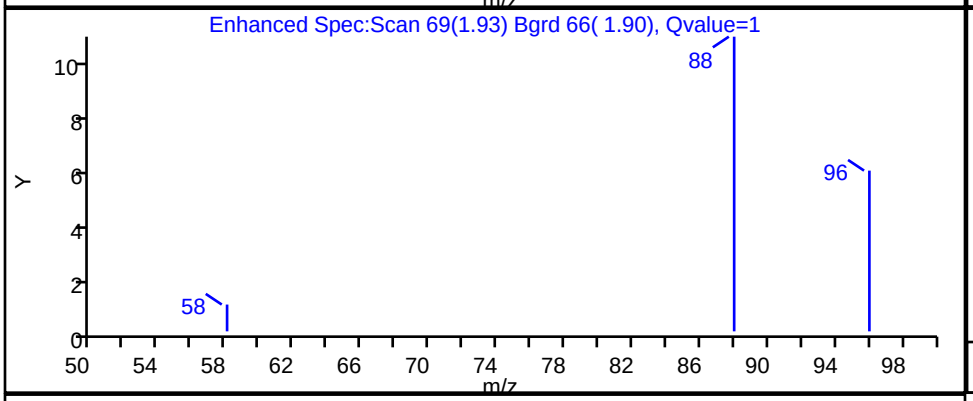
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266986.d				
Injection Date:	20-Jul-2021 21:47:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-7-A	Lab Sample ID:	460-239070-7		
Client ID:	MW-XX				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

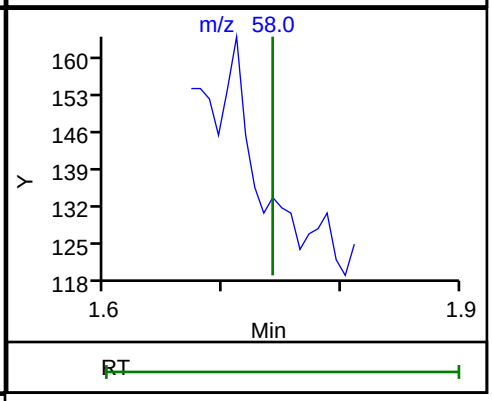
2 1,4-Dioxane, CAS: 123-91-1

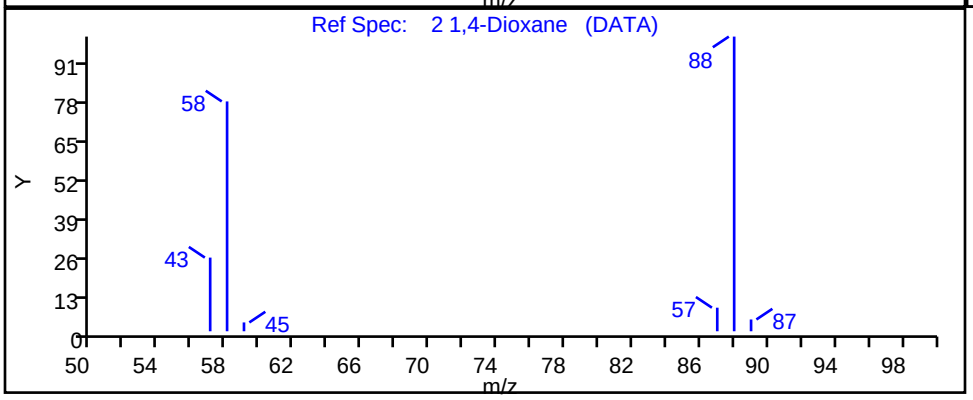
Processing Results











RT	Mass	Response	Amount
1.93	88.00	14	
1.91	58.00	8	

Reviewer: maheseep, 21-Jul-2021 11:29:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: FB071621 Lab Sample ID: 460-239070-8

Matrix: Water Lab File ID: h266987.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 13:40

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 22:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	24		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266987.d				
Lims ID:	460-239070-E-8-A				
Client ID:	FB071621				
Sample Type:	Client				
Inject. Date:	20-Jul-2021 22:03:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0132101-011				
Operator ID:		Instrument ID:	CBNAMS9		
Method:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m				
Limit Group:	MSS 8270 Isotope Dilution IS				
Last Update:	21-Jul-2021 12:22:53	Calib Date:	13-Jul-2021 15:53:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Isotopic Dilution	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1638				
First Level Reviewer: maheseep		Date:	21-Jul-2021 11:29:46		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.711	0.008	8	18002	0.9744	24.4	
*	4 1,4-Dichlorobenzene-d4	150	5.366	5.374	-0.008	1	15350	0.2000		

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

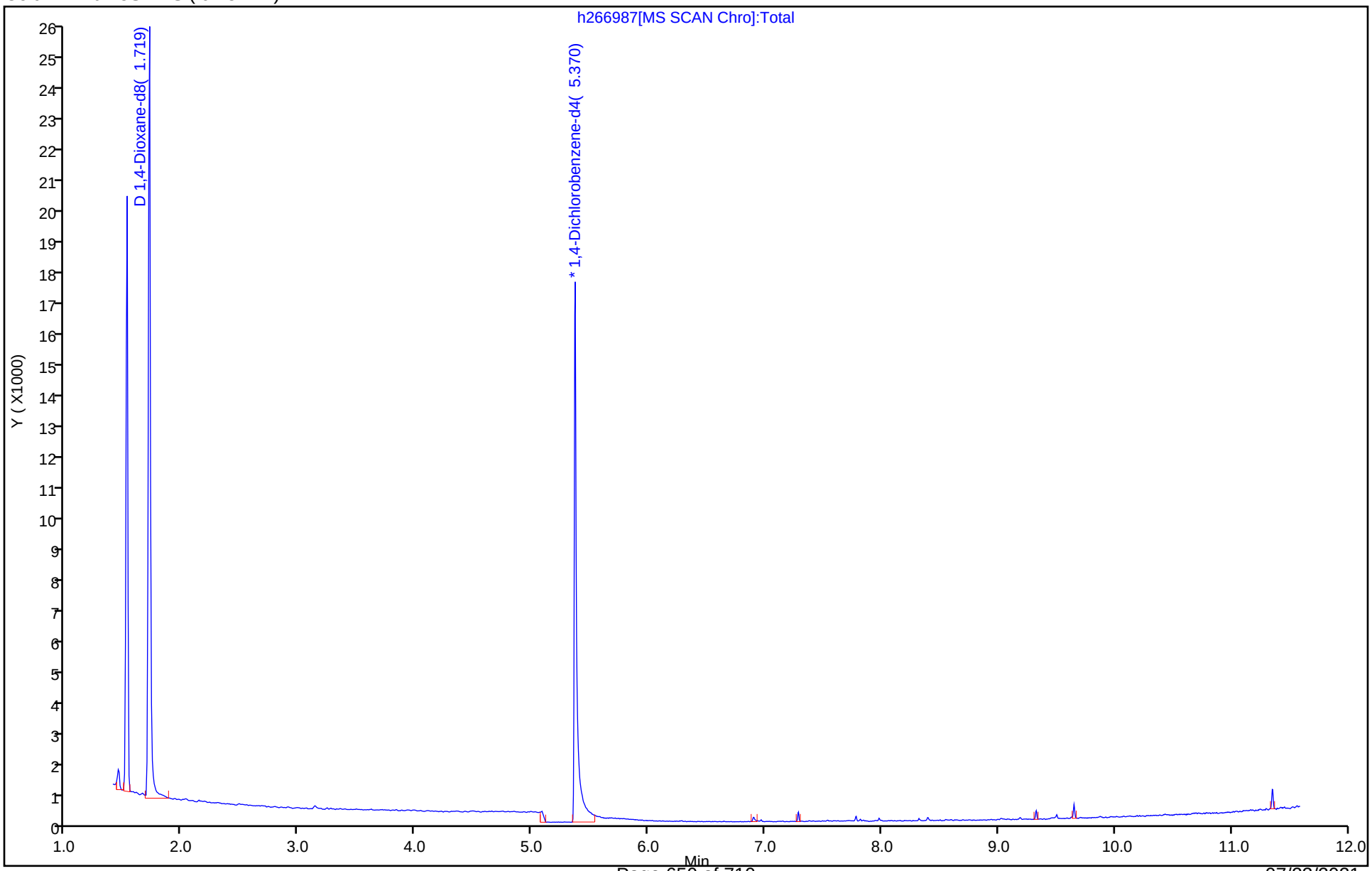
Report Date: 21-Jul-2021 12:24:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266987.d

Injection Date:	20-Jul-2021 22:03:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-8-A	Lab Sample ID:	460-239070-8	Worklist Smp#:	11
Client ID:	FB071621				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

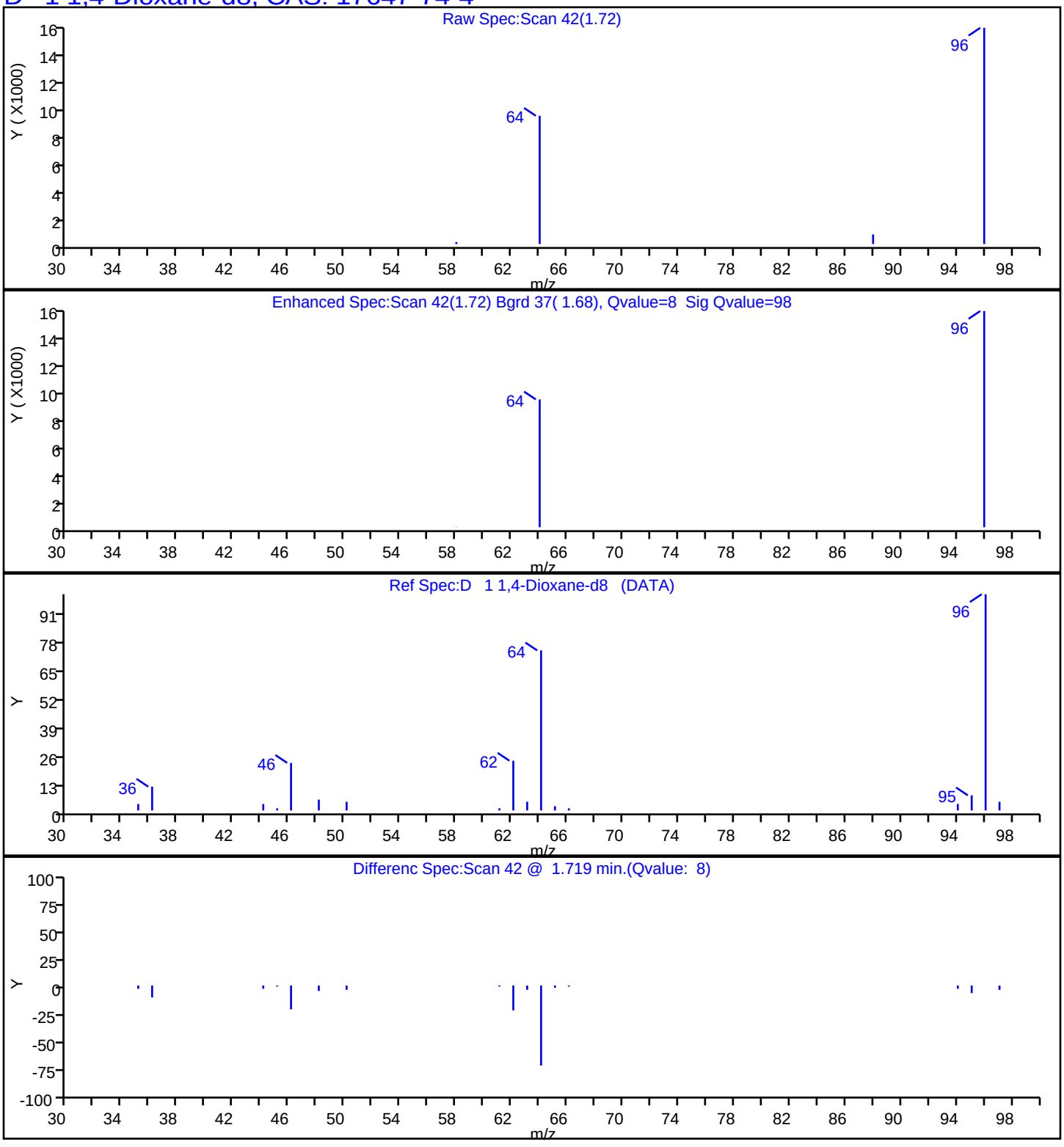
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266987.d				
Injection Date:	20-Jul-2021 22:03:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-8-A	Lab Sample ID:	460-239070-8		
Client ID:	FB071621				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



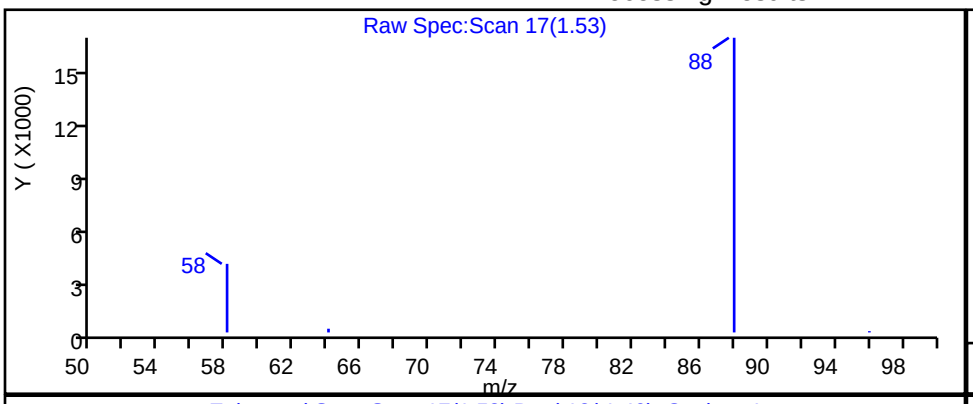
User Disabled Compound Report

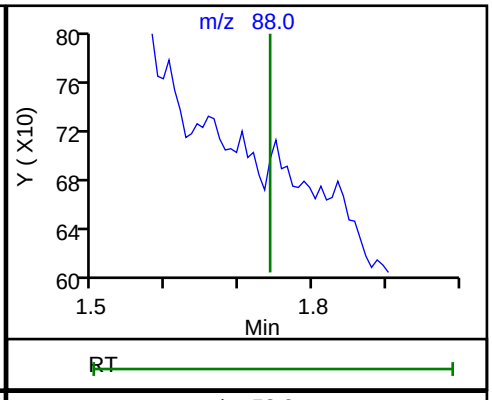
Eurofins TestAmerica, Edison

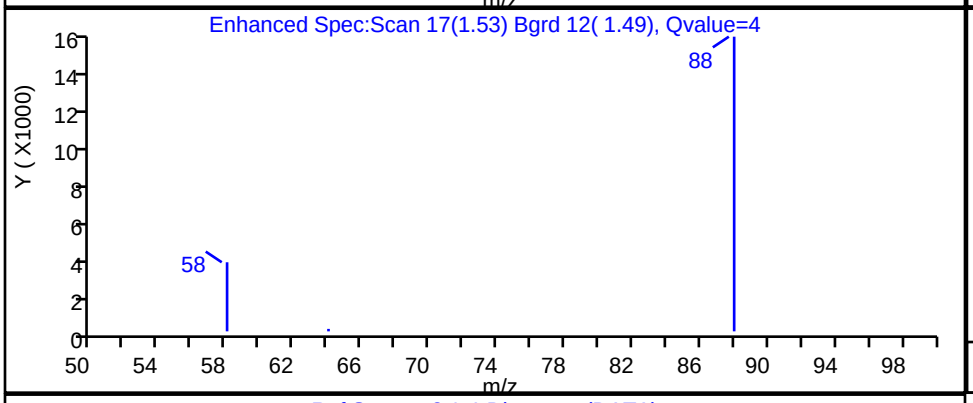
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266987.d		
Injection Date:	20-Jul-2021 22:03:30	Instrument ID:	CBNAMS9
Lims ID:	460-239070-E-8-A	Lab Sample ID:	460-239070-8
Client ID:	FB071621		
Operator ID:		ALS Bottle#:	11 Worklist Smp#: 11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

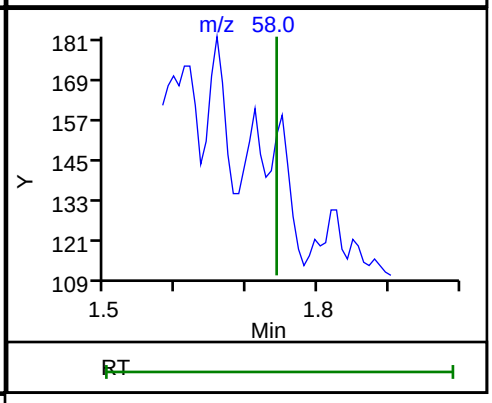
2 1,4-Dioxane, CAS: 123-91-1

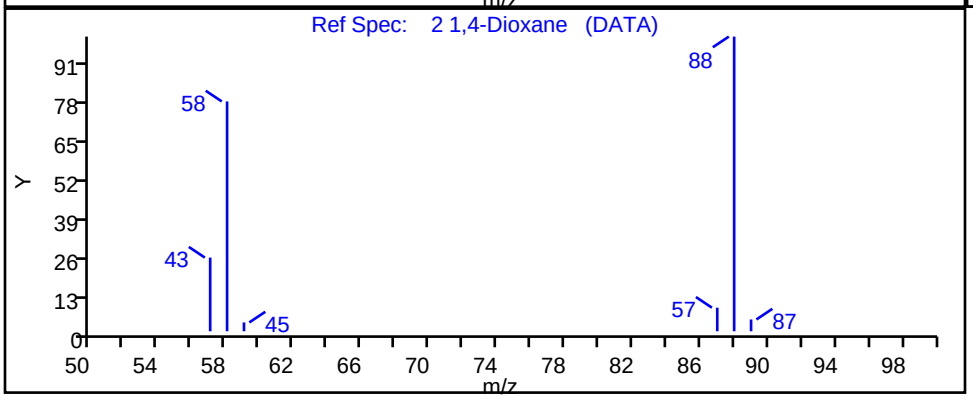
Processing Results











RT	Mass	Response	Amount
1.53	88.00	15946	
1.52	58.00	4923	

Reviewer: maheseep, 21-Jul-2021 11:29:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 790012

SDG No.:

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/13/2021 13:46 Calibration End Date: 07/13/2021 15:53 Calibration ID: 86285

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-790012/10	h266850.d
Level 2	STD2 460-790012/9	h266849.d
Level 3	STD3 460-790012/8	h266848.d
Level 4	STD4 460-790012/7	h266847.d
Level 5	ICIS 460-790012/2	h266842.d
Level 6	STD6 460-790012/6	h266846.d
Level 7	STD7 460-790012/5	h266845.d
Level 8	STD8 460-790012/4	h266844.d
Level 9	STD9 460-790012/3	h266843.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	1.0636 1.1160	1.3124 1.1683	1.1308 1.2235	1.1332 1.2067	1.2959	AveID		1.1834				7.1		50.0			
1,4-Dioxane-d8	0.2815 0.2497	0.2534 0.2519	0.2791 0.2140	0.2421 0.1881	0.2065	Ave		0.2407				13.3					

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1 Analy Batch No.: 790012

SDG No.:

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/13/2021 13:46 Calibration End Date: 07/13/2021 15:53 Calibration ID: 86285

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-790012/10	h266850.d
Level 2	STD2 460-790012/9	h266849.d
Level 3	STD3 460-790012/8	h266848.d
Level 4	STD4 460-790012/7	h266847.d
Level 5	ICIS 460-790012/2	h266842.d
Level 6	STD6 460-790012/6	h266846.d
Level 7	STD7 460-790012/5	h266845.d
Level 8	STD8 460-790012/4	h266844.d
Level 9	STD9 460-790012/3	h266843.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane		AveID	361	909	1918	4126	9885	0.0200	0.0400	0.100	0.200	0.500
			19299	39264	211101	1706791		1.00	2.00	10.0	100	
1,4-Dioxane-d8	DCBd4	Ave	67882	69262	67848	72823	61022	4.00	4.00	4.00	4.00	4.00
			69170	67214	69015	56577		4.00	4.00	4.00	4.00	

Curve Type Legend

Ave = Average ISTD
AveID = Average isotope dilution

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266842.d
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 13-Jul-2021 13:46:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-002
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:34:57 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

First Level Reviewer: zhaoc Date: 13-Jul-2021 14:05:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.719	0.000	5	61022	4.00	3.43	
	2 1,4-Dioxane	88	1.742	1.742	0.000	21	9885	0.5000	0.5476	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	14777	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL5_00008 Amount Added: 1.00 Units: mL

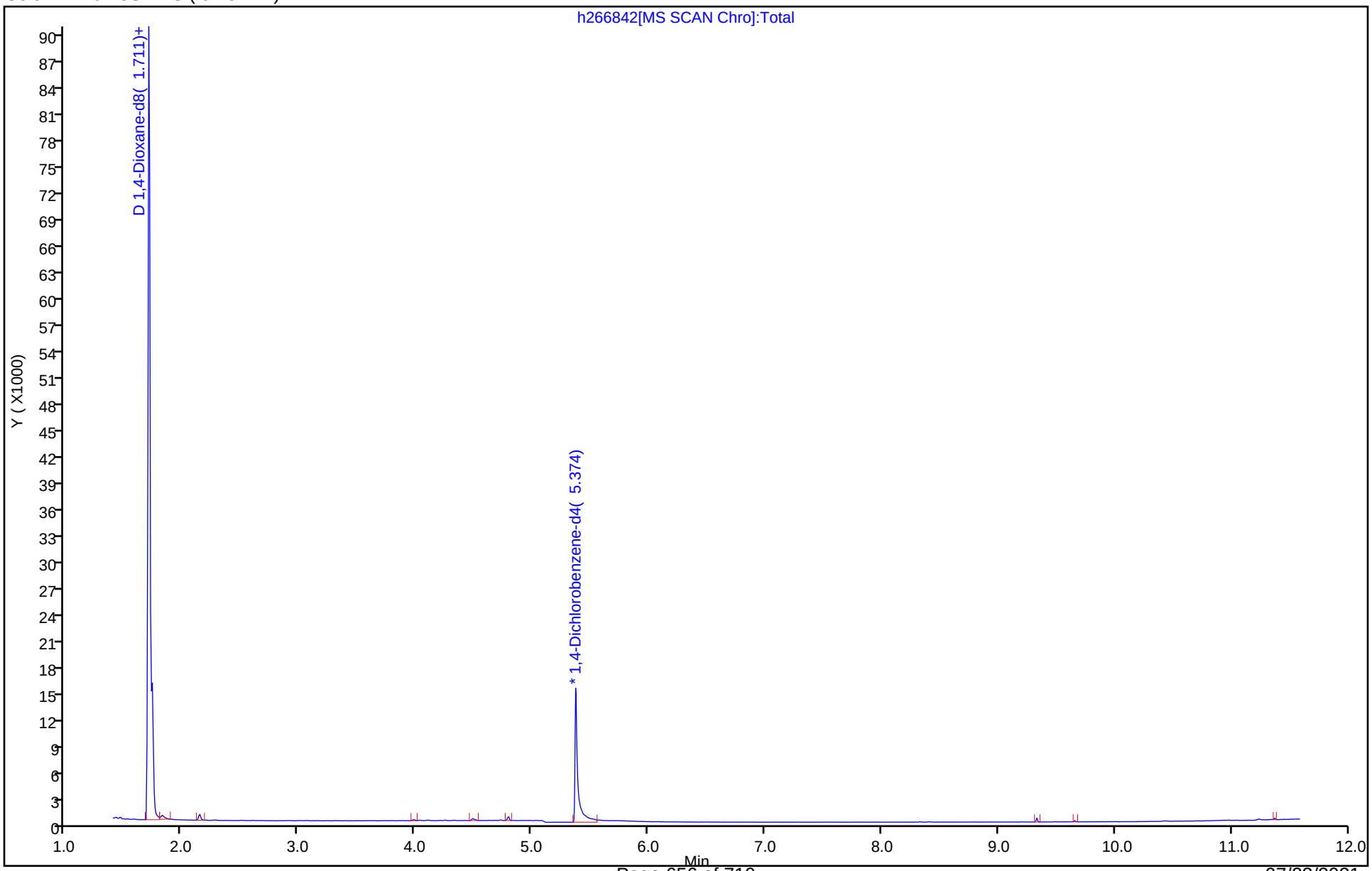
Report Date: 14-Jul-2021 10:34:57 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266842.d

Injection Date:	13-Jul-2021 13:46:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	icis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266843.d
Lims ID: STD9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 13-Jul-2021 14:01:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-003
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:34:58 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

First Level Reviewer: nimerd Date: 13-Jul-2021 17:02:37

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.703	1.719	-0.016	1	56577	4.00	3.13	a
	2 1,4-Dioxane	88	1.726	1.742	-0.016	16	1706791	100.0	102.0	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	15040	0.2000	0.2000	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

SM_ISOTOPL9_00002 Amount Added: 1.00 Units: mL

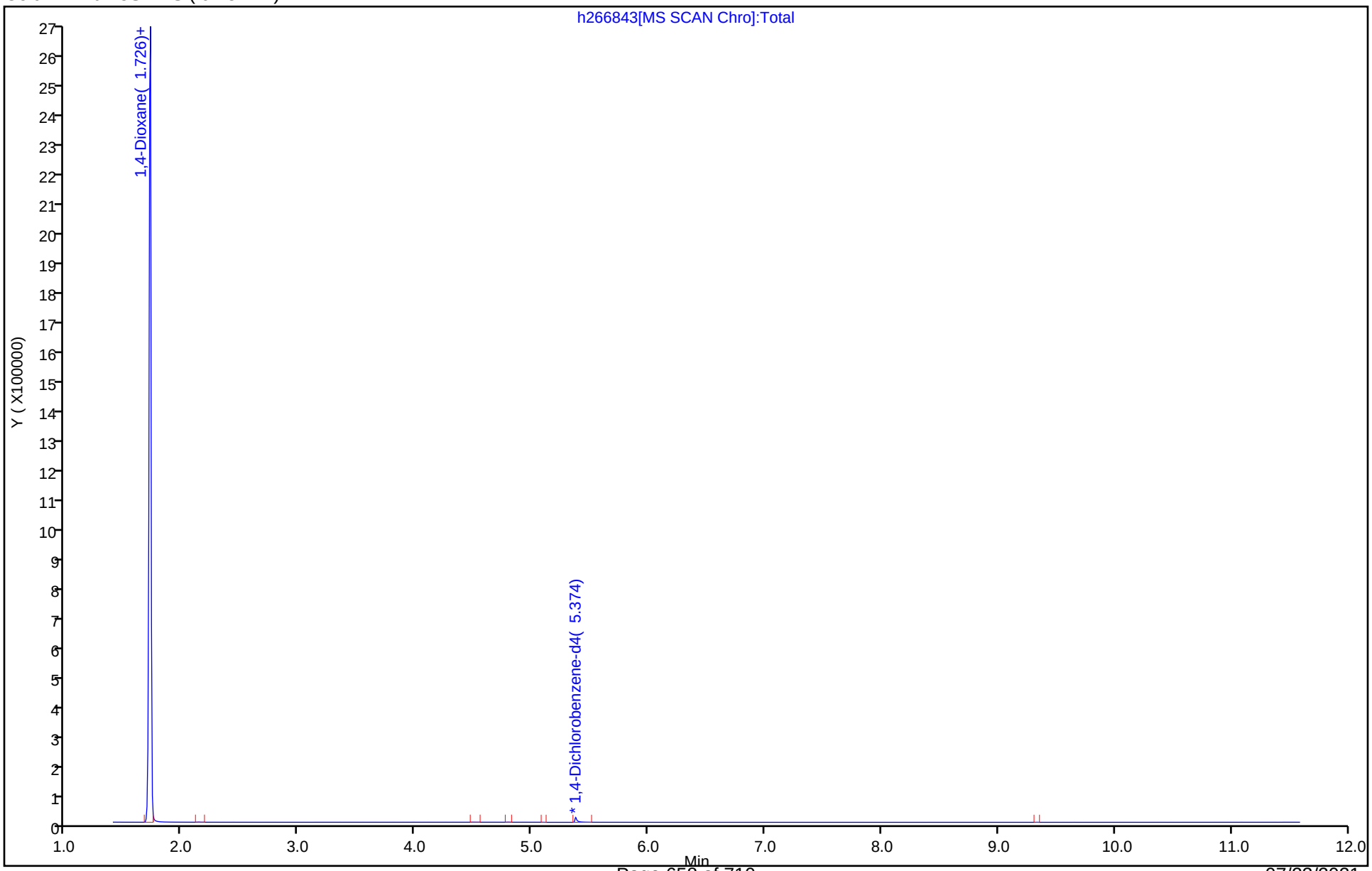
Report Date: 14-Jul-2021 10:34:58 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266843.d

Injection Date:	13-Jul-2021 14:01:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD9			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

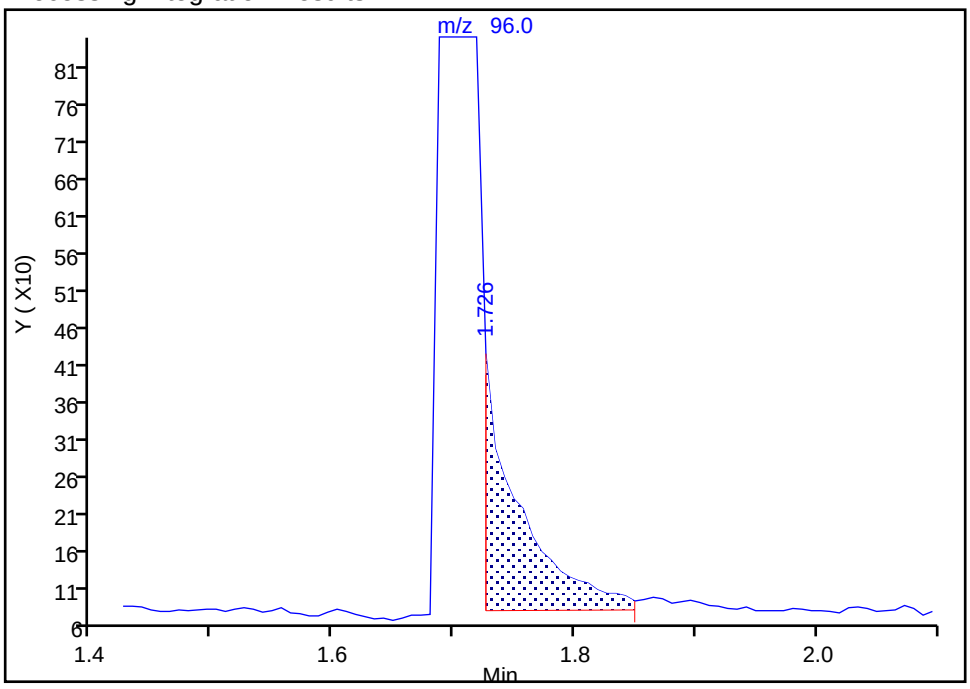
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266843.d				
Injection Date:	13-Jul-2021 14:01:30	Instrument ID:	CBNAMS9		
Lims ID:	STD9				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

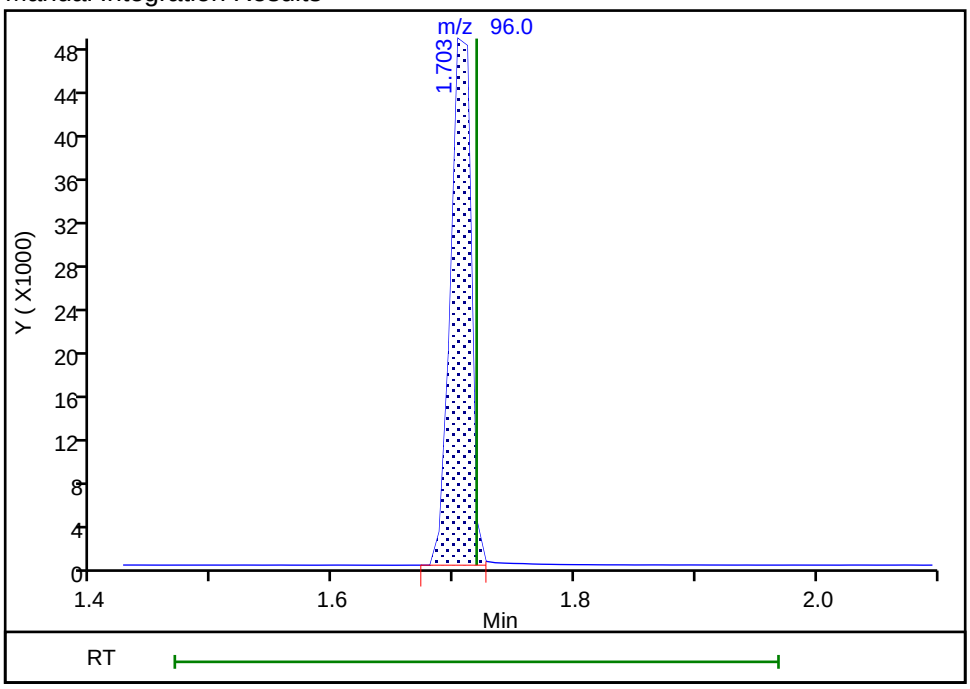
Processing Integration Results

RT: 1.73
Area: 716
Amount: 0.043116
Amount Units: ug/ml



Manual Integration Results

RT: 1.70
Area: 56577
Amount: 3.125605
Amount Units: ug/ml



Reviewer: nimerd, 13-Jul-2021 17:02:34

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266844.d
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 13-Jul-2021 14:17:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-004
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:34:58 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.719	0.000	5	69015	4.00	3.56	
	2 1,4-Dioxane	88	1.734	1.742	-0.008	14	211101	10.0	10.3	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	16123	0.2000	0.2000	

Reagents:

SM_ISOTOPL8_00007 Amount Added: 1.00 Units: mL

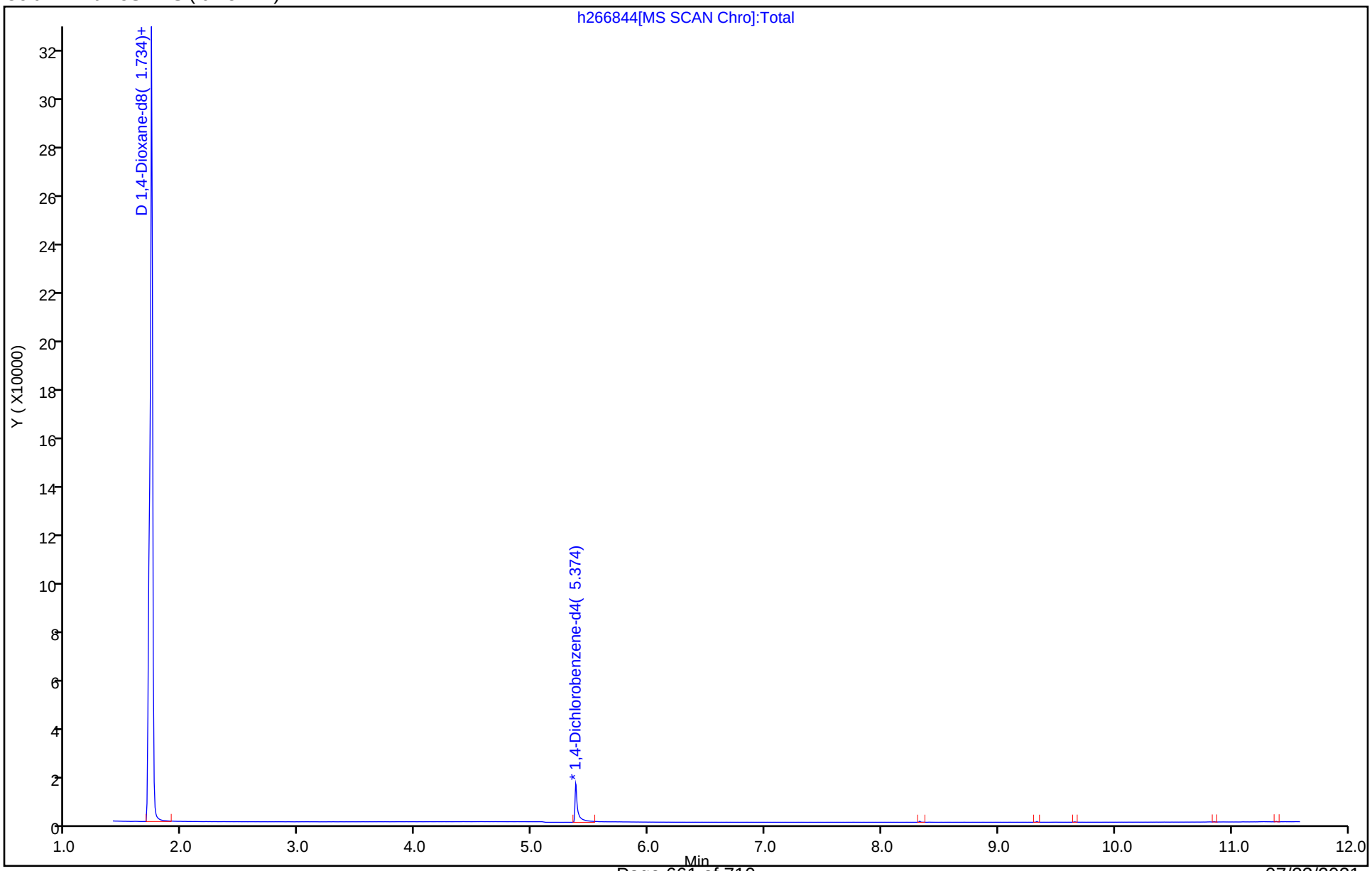
Report Date: 14-Jul-2021 10:34:58 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266844.d

Injection Date:	13-Jul-2021 14:17:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD8			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266845.d
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 13-Jul-2021 14:33:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-005
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:34:58 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.719	0.000	8	67214	4.00	4.19	
	2 1,4-Dioxane	88	1.742	1.742	0.000	21	39264	2.00	1.97	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	13340	0.2000	0.2000	

Reagents:

SM_ISOTOPL7_00007 Amount Added: 1.00 Units: mL

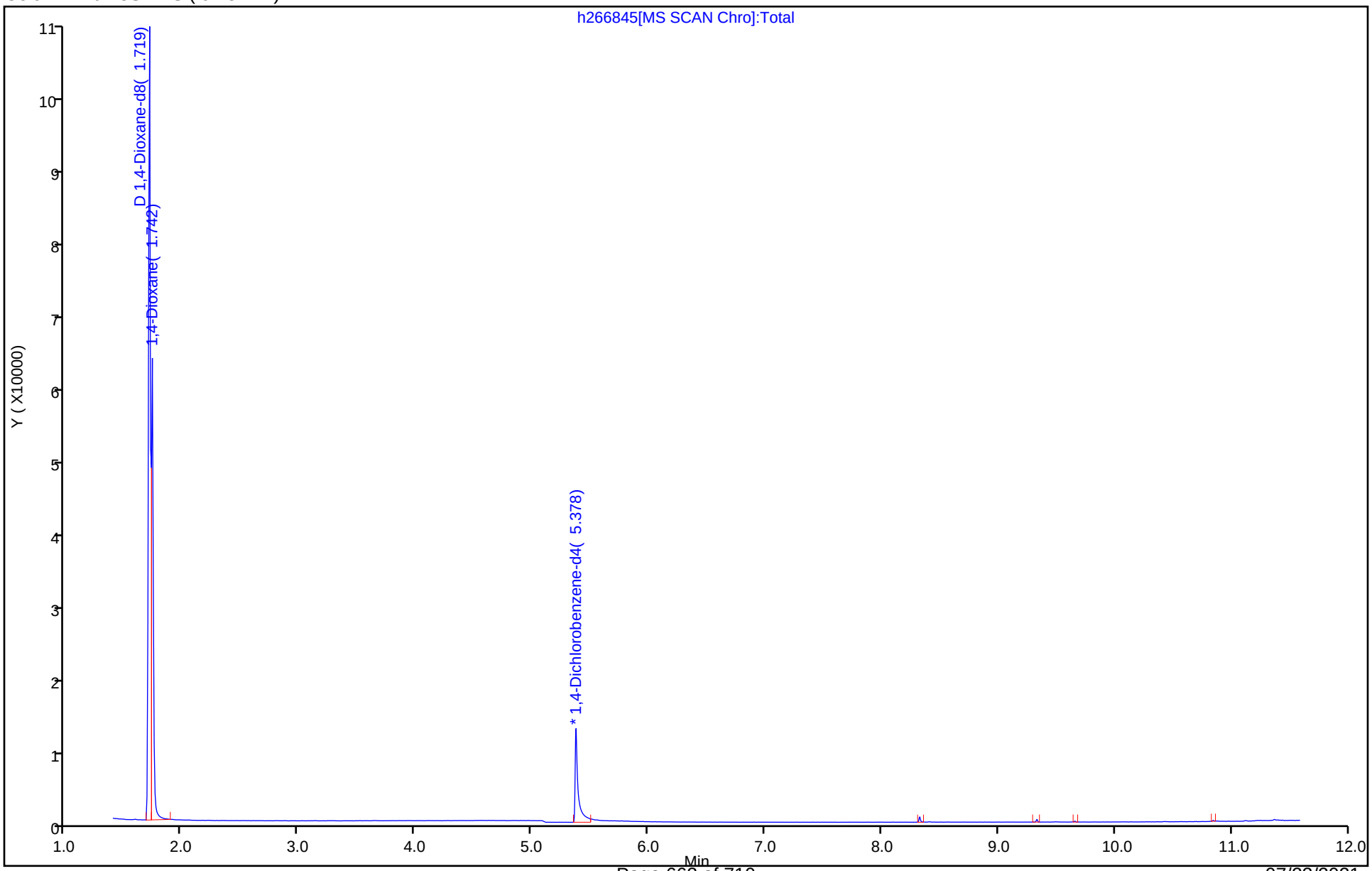
Report Date: 14-Jul-2021 10:34:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266845.d

Injection Date:	13-Jul-2021 14:33:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266846.d
Lims ID: STD6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 13-Jul-2021 14:49:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-006
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:34:59 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

First Level Reviewer: nimerd Date: 13-Jul-2021 17:02:46

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.719	0.000	10	69170	4.00	4.15	
	2 1,4-Dioxane	88	1.749	1.742	0.007	15	19299	1.00	0.9431	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	13850	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL6_00008 Amount Added: 1.00 Units: mL

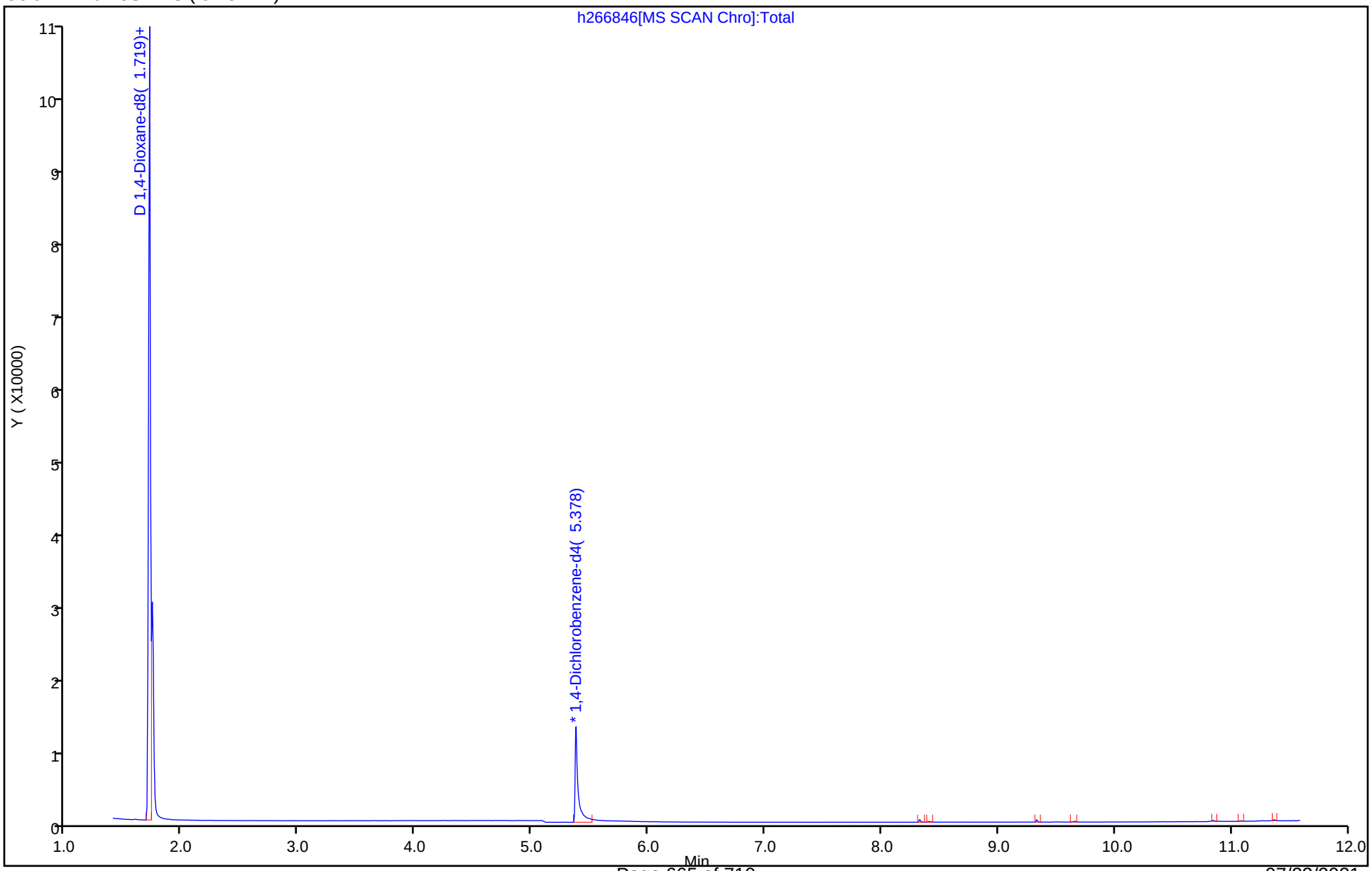
Report Date: 14-Jul-2021 10:34:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266846.d

Injection Date:	13-Jul-2021 14:49:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD6			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266847.d
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 13-Jul-2021 15:05:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-007
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:34:59 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.719	0.000	13	72823	4.00	4.02	
	2 1,4-Dioxane	88	1.749	1.742	0.007	22	4126	0.2000	0.1915	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	15038	0.2000	0.2000	

Reagents:

SM_ISOTOPL4_00007 Amount Added: 1.00 Units: mL

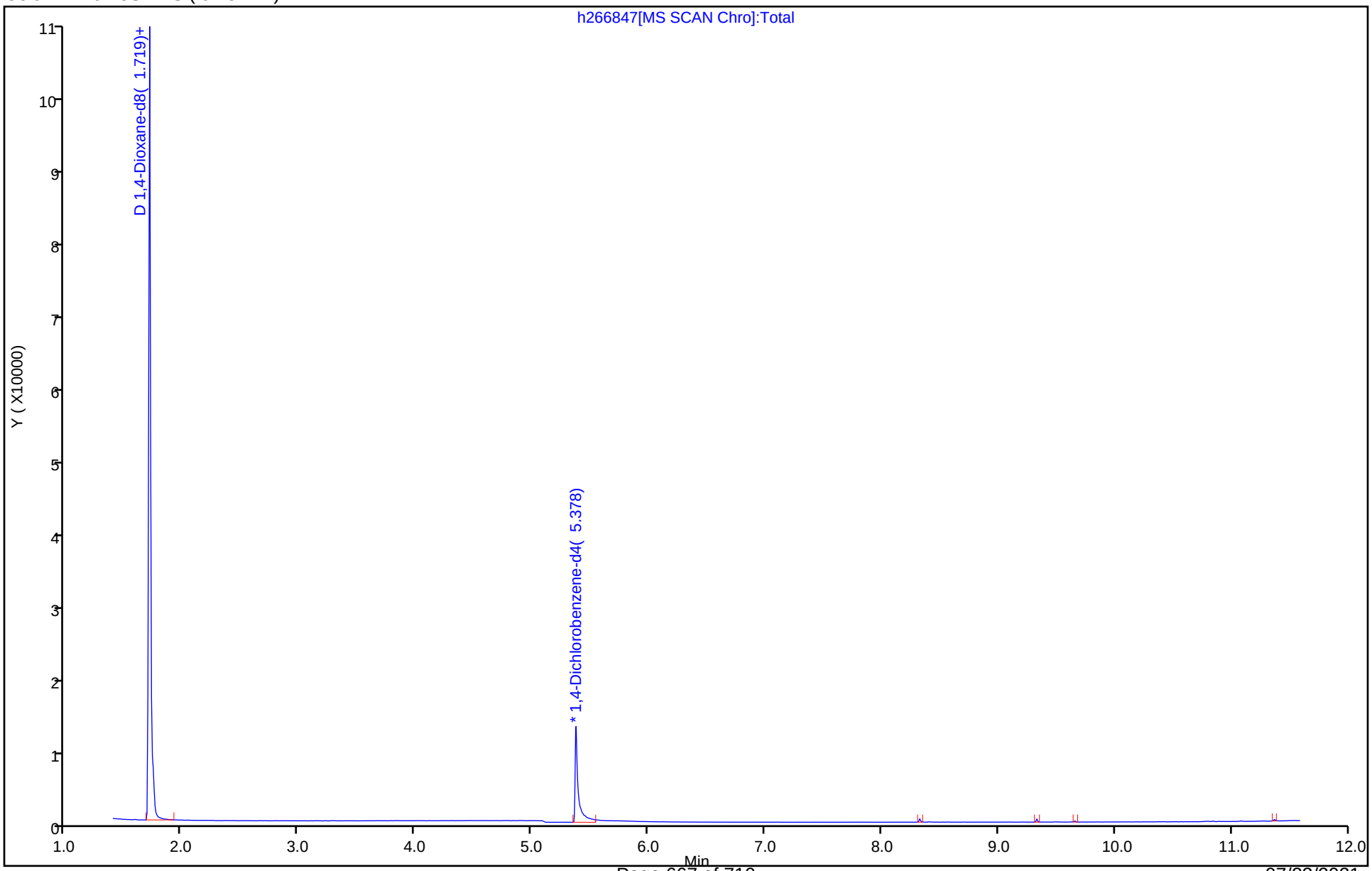
Report Date: 14-Jul-2021 10:34:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266847.d

Injection Date:	13-Jul-2021 15:05:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266848.d
Lims ID: STD3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-Jul-2021 15:21:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-008
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:35:00 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.718	1.718	0.000	12	67848	4.00	4.64	
	2 1,4-Dioxane	88	1.749	1.749	0.000	21	1918	0.1000	0.0956	
*	4 1,4-Dichlorobenzene-d4	150	5.378	5.378	0.000	1	12156	0.2000	0.2000	

Reagents:

SM_ISOTOPL3_00007 Amount Added: 1.00 Units: mL

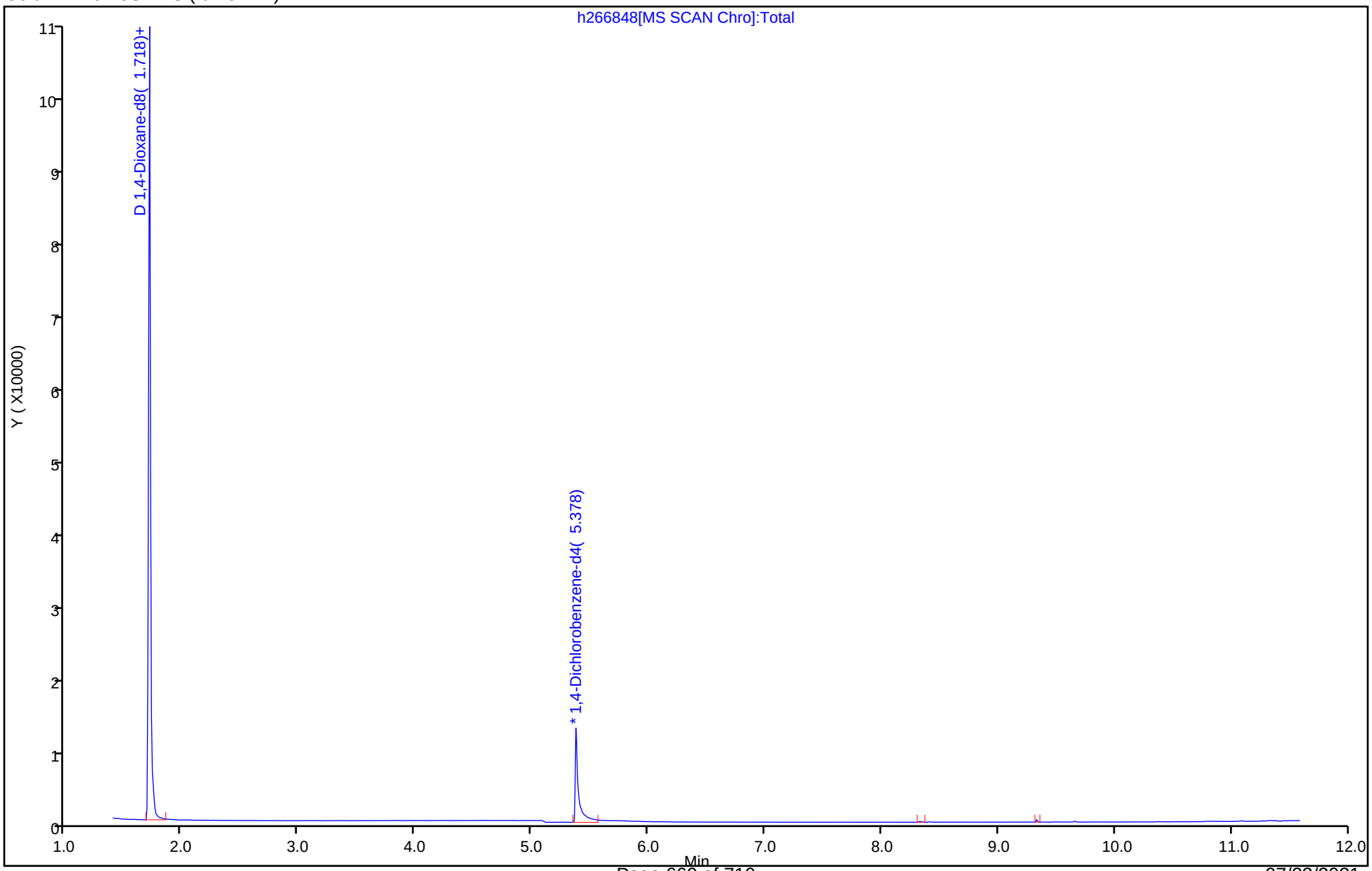
Report Date: 14-Jul-2021 10:35:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266848.d

Injection Date:	13-Jul-2021 15:21:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD3			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266849.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-Jul-2021 15:37:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-009
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:35:00 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.718	1.718	0.000	7	69262	4.00	4.21	
	2 1,4-Dioxane	88	1.749	1.749	0.000	20	909	0.0400	0.0444	
*	4 1,4-Dichlorobenzene-d4	150	5.378	5.378	0.000	1	13664	0.2000	0.2000	

Reagents:

SM_ISOTOPL2_00007 Amount Added: 1.00 Units: mL

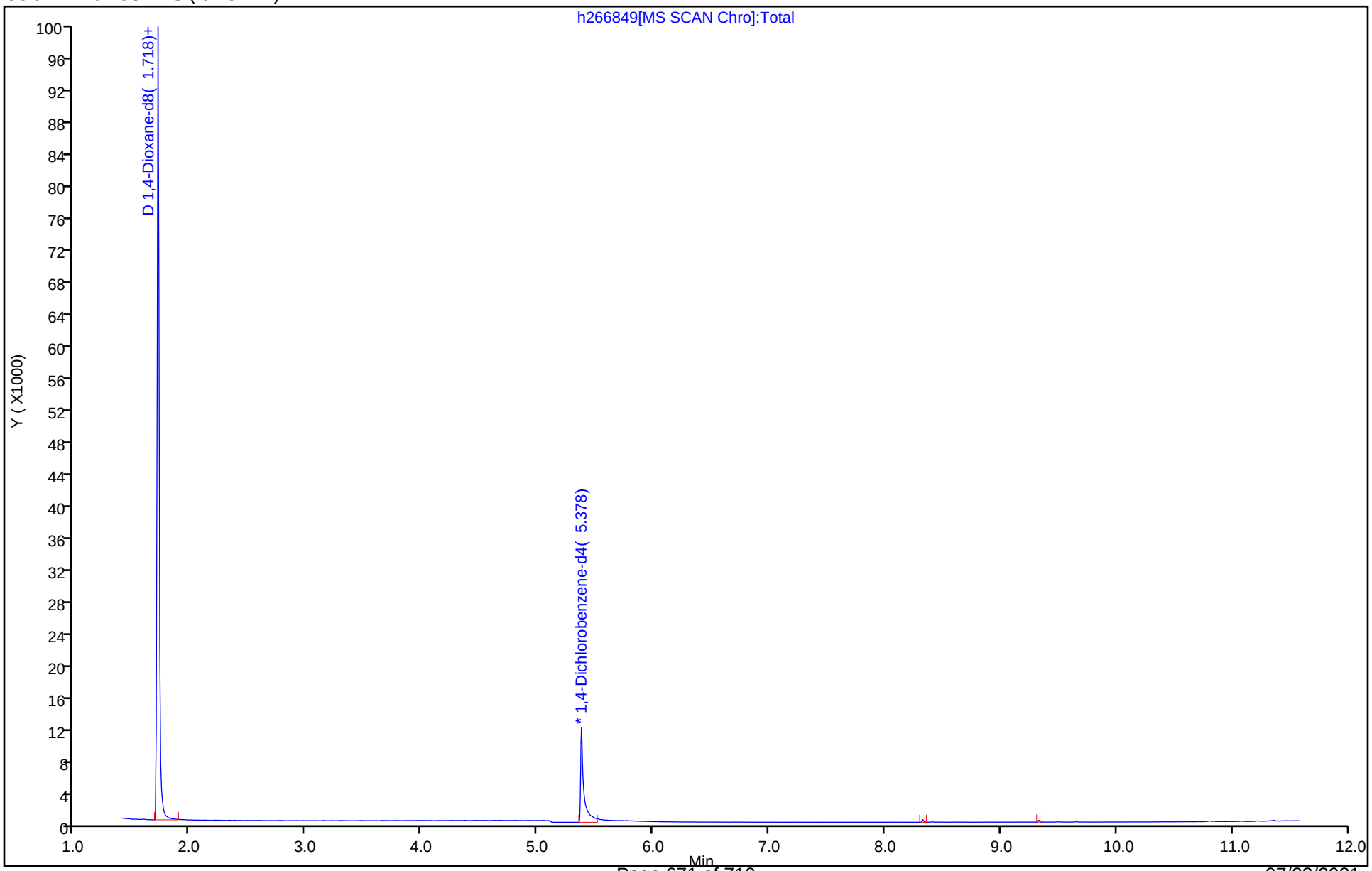
Report Date: 14-Jul-2021 10:35:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266849.d

Injection Date:	13-Jul-2021 15:37:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-Jul-2021 15:53:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0131740-010
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 14-Jul-2021 10:35:01 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

First Level Reviewer: nimerd Date: 13-Jul-2021 17:03:01

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.718	1.718	0.000	11	67882	4.00	4.68	
	2 1,4-Dioxane	88	1.749	1.749	0.000	13	361	0.0200	0.0180	M
*	4 1,4-Dichlorobenzene-d4	150	5.378	5.378	0.000	1	12058	0.2000	0.2000	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

SM_ISOTOPL1_00008 Amount Added: 1.00 Units: mL

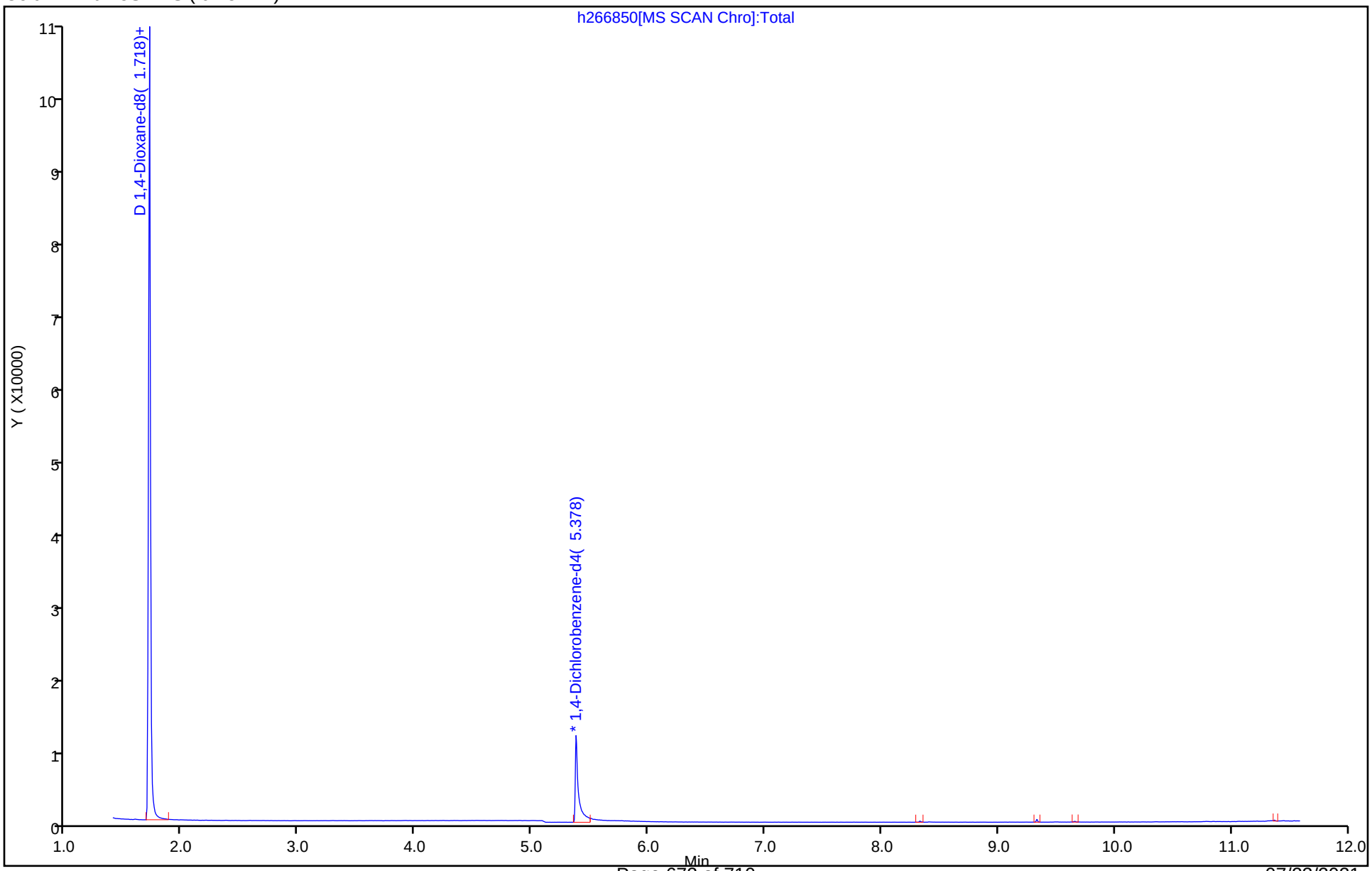
Report Date: 14-Jul-2021 10:35:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Injection Date:	13-Jul-2021 15:53:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

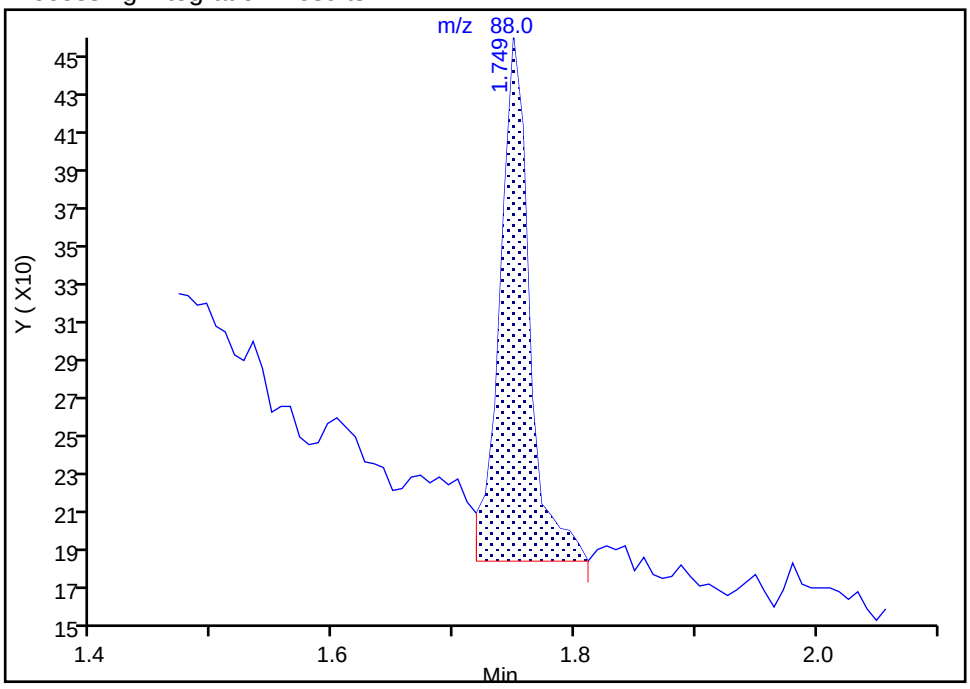
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d				
Injection Date:	13-Jul-2021 15:53:30	Instrument ID:	CBNAMS9		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

2 1,4-Dioxane, CAS: 123-91-1

Signal: 1

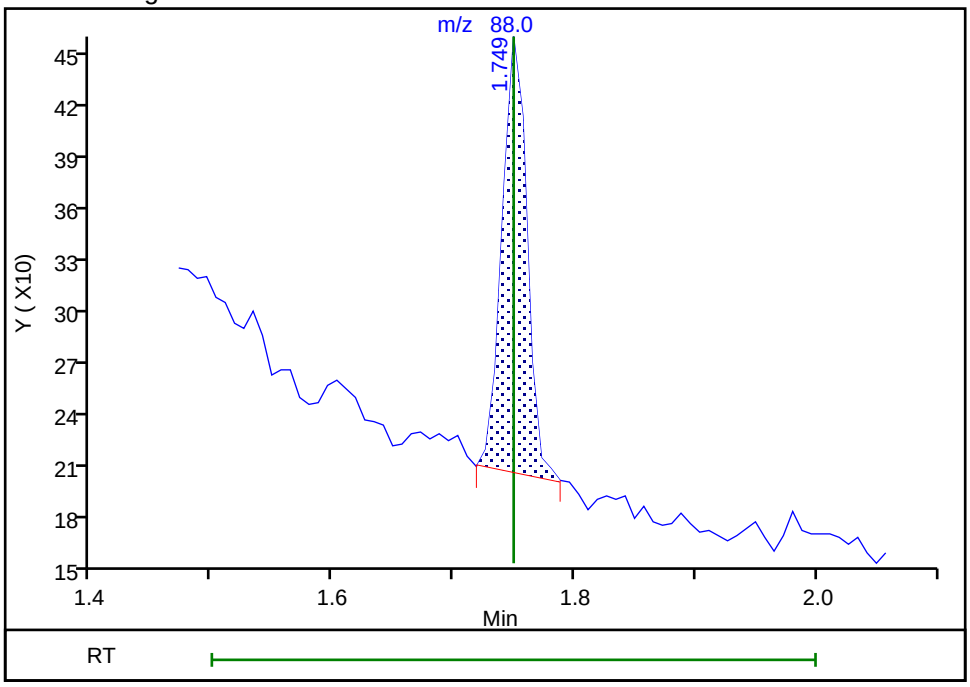
Processing Integration Results

RT: 1.75
Area: 469
Amount: 0.022687
Amount Units: ug/ml



Manual Integration Results

RT: 1.75
Area: 361
Amount: 0.017976
Amount Units: ug/ml



Reviewer: nimerd, 13-Jul-2021 17:02:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

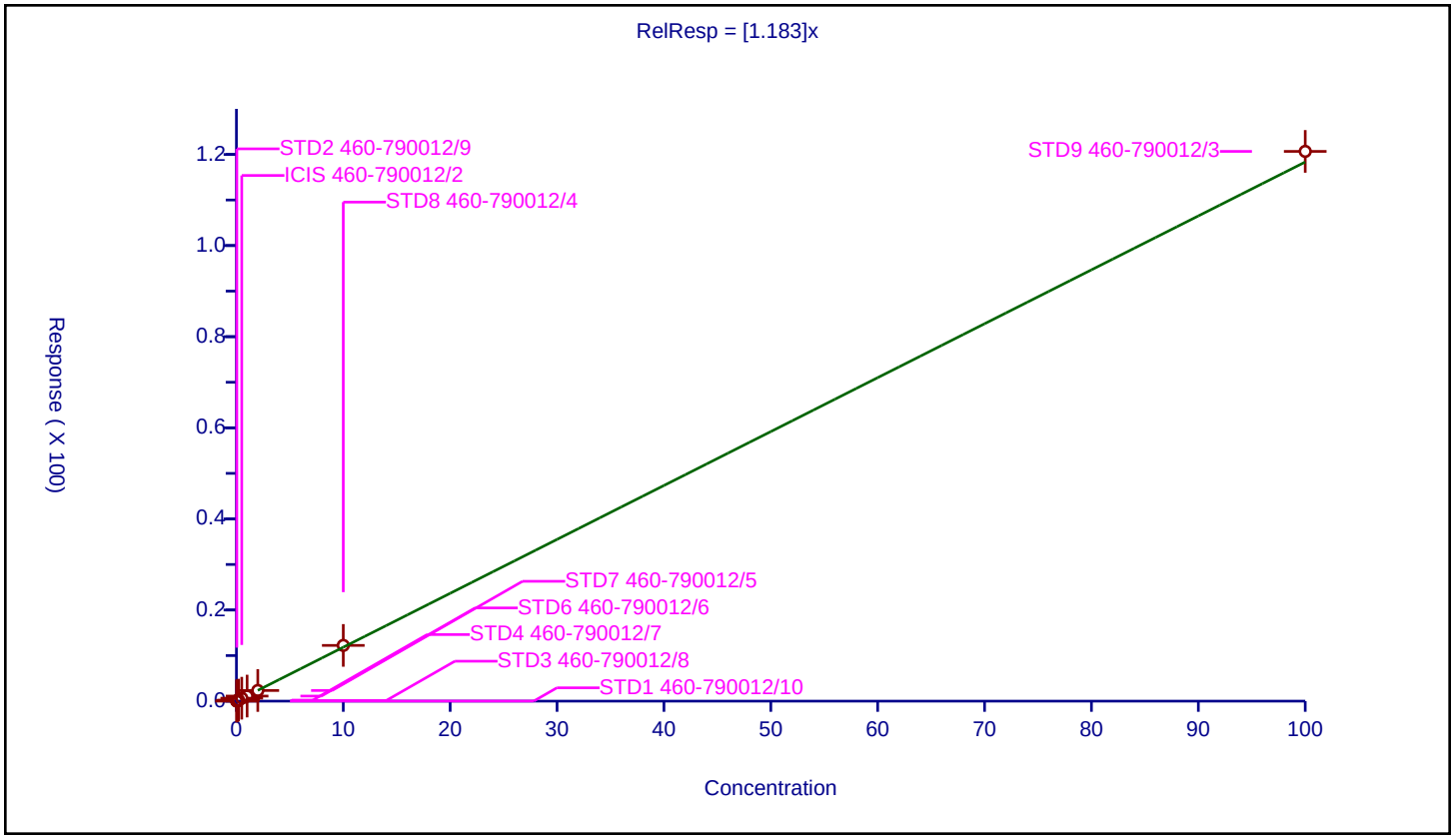
Curve Coefficients

Intercept:	0
Slope:	1.183

Error Coefficients

Standard Error:	608000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-790012/10	0.02	0.021272	4.0	67882.0	1.06361	Y
2	STD2 460-790012/9	0.04	0.052496	4.0	69262.0	1.312408	Y
3	STD3 460-790012/8	0.1	0.113076	4.0	67848.0	1.130763	Y
4	STD4 460-790012/7	0.2	0.226632	4.0	72823.0	1.133158	Y
5	ICIS 460-790012/2	0.5	0.647963	4.0	61022.0	1.295926	Y
6	STD6 460-790012/6	1.0	1.116033	4.0	69170.0	1.116033	Y
7	STD7 460-790012/5	2.0	2.336656	4.0	67214.0	1.168328	Y
8	STD8 460-790012/4	10.0	12.235079	4.0	69015.0	1.223508	Y
9	STD9 460-790012/3	100.0	120.670308	4.0	56577.0	1.206703	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Lab Sample ID: CCVIS 460-791477/2 Calibration Date: 07/20/2021 19:35

Instrument ID: CBNAMS9 Calib Start Date: 07/13/2021 13:46

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 07/13/2021 15:53

Lab File ID: h266978.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	AveID	1.183	1.217		514	500	2.8	50.0
1,4-Dioxane-d8	Ave	0.2407	0.2453		4080	4000	1.9	50.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266978.d
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Jul-2021 19:35:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-002
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 08:10:52 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: eisam Date: 20-Jul-2021 20:00:52

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.711	1.711	0.000	9	50975	4.00	4.08	
	2 1,4-Dioxane	88	1.742	1.742	0.000	20	7752	0.5000	0.5140	
*	4 1,4-Dichlorobenzene-d4	150	5.374	5.374	0.000	1	10392	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL5_00008 Amount Added: 1.00 Units: mL

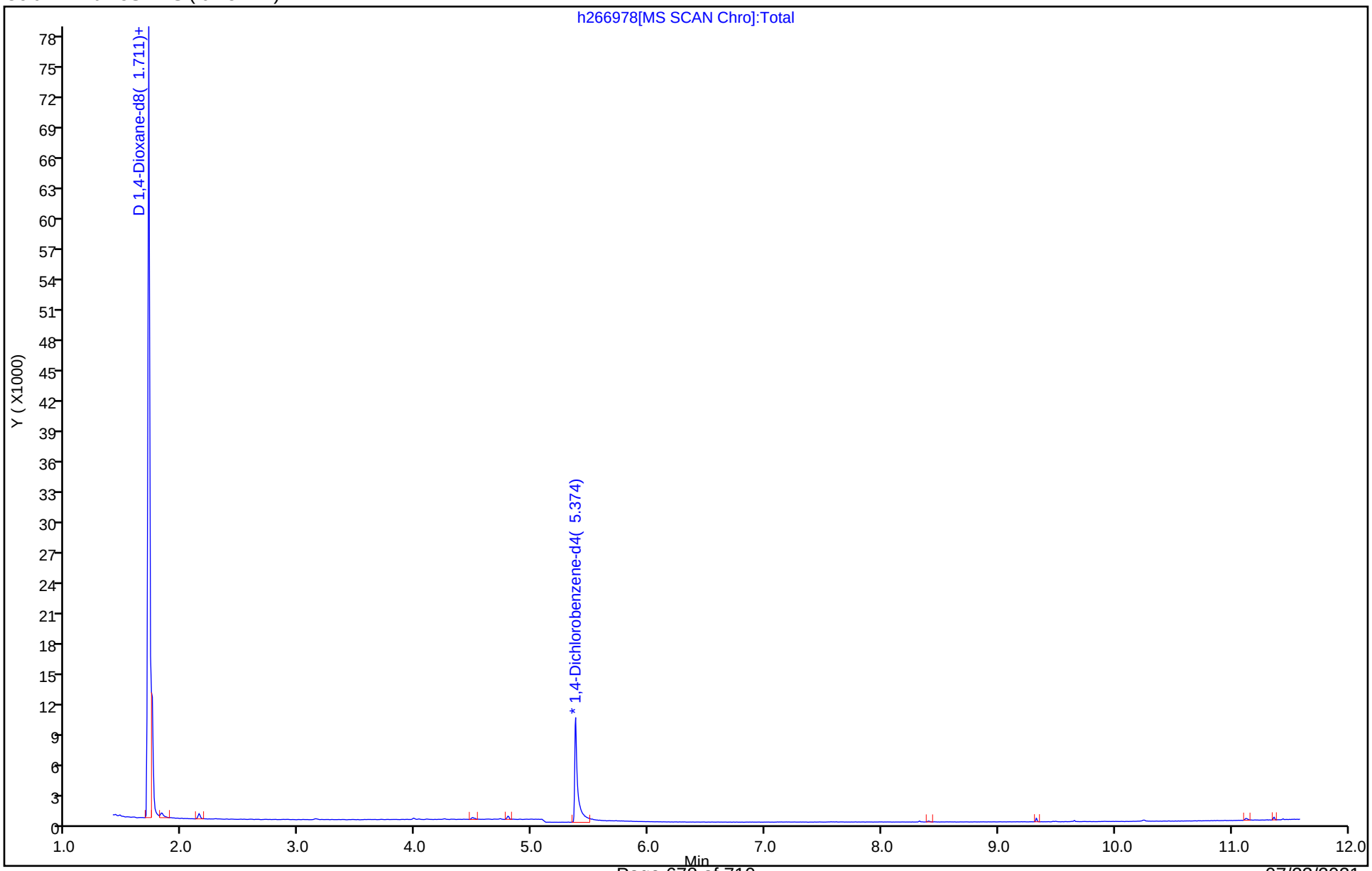
Report Date: 21-Jul-2021 08:10:53 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266978.d

Injection Date:	20-Jul-2021 19:35:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266841.d				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	13-Jul-2021 13:30:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0131740-001				
Operator ID:		Instrument ID:	CBNAMS9		
Method:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\8270_Iso.m				
Limit Group:	MSS 8270 Isotope Dilution IS				
Last Update:	15-Jul-2021 05:30:12	Calib Date:	13-Jul-2021 15:53:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Isotopic Dilution	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: nimerd		Date:	13-Jul-2021 17:19:31		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

3 DFTPP

QC Flag Legend

Processing Flags

Reagents:

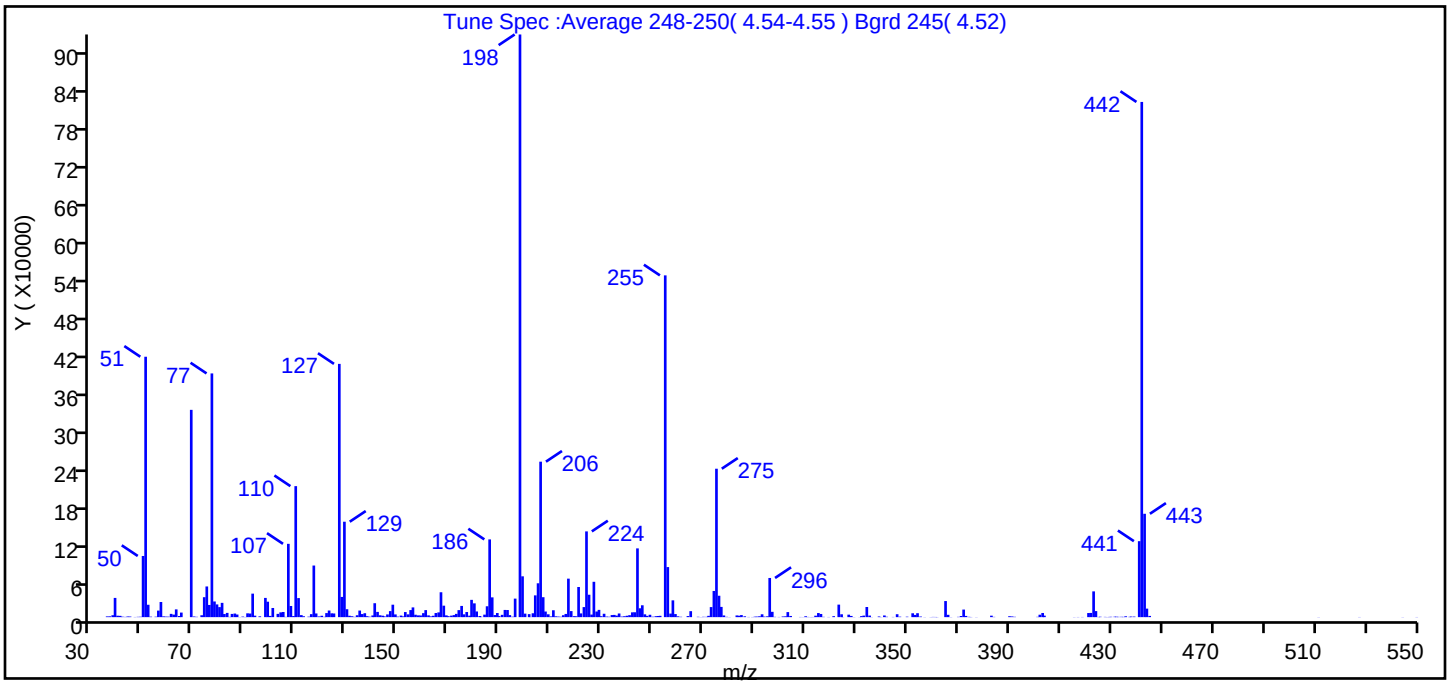
SMDFTP_CH_00032 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266841.d
Injection Date: 13-Jul-2021 13:30:30 Instrument ID: CBNAMS9
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS
Tune Method: DFTPP Method 8270E, BP 198

3 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.0)
69	Present	35.6
70	<2% of m/z 69	0.1 (0.3)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	7.0
365	>1% of m/z 198	2.8
441	<150% of m/z 443	13.0 (73.5)
442	Present	88.4
443	15-24% of m/z 442	17.7 (20.1)

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266841.d\8270_Iso.rslt\spectra.d
Injection Date: 13-Jul-2021 13:30:30
Spectrum: Tune Spec :Average 248-250(4.54-4.55) Bgrd 245(4.52)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1173	131.00	2199	217.00	61144	314.00	2284
37.00	1292	132.00	1420	218.00	9604	315.00	6513
38.00	3018	133.00	444	219.00	1526	316.00	5030
39.00	30536	134.00	2985	220.00	1353	317.00	475
40.00	2254	135.00	10452	221.00	47872	319.00	280
41.00	2072	136.00	4870	222.00	5941	321.00	1550
42.00	749	137.00	6217	223.00	15962	323.00	19880
43.00	401	138.00	1494	224.00	136192	324.00	4561
44.00	1037	139.00	731	225.00	35584	325.00	237
45.00	936	140.00	2672	226.00	4066	327.00	3945
47.00	273	141.00	22112	227.00	56144	328.00	1920
48.00	500	142.00	8325	228.00	8925	329.00	212
49.00	669	143.00	2946	229.00	11545	331.00	185
50.00	97128	144.00	2283	230.00	1474	332.00	1664
51.00	413568	145.00	1268	231.00	5355	333.00	2430
52.00	19664	146.00	4309	232.00	855	334.00	16105
53.00	772	147.00	9563	233.00	628	335.00	2486
55.00	722	148.00	19768	234.00	3312	336.00	202
56.00	10379	149.00	4316	235.00	3548	339.00	1051
57.00	24040	150.00	851	236.00	2442	340.00	197
58.00	1221	151.00	2462	237.00	5802	341.00	2657
59.00	882	152.00	1143	238.00	919	342.00	593
60.00	781	153.00	8092	239.00	1450	344.00	317
61.00	5209	154.00	4402	240.00	2218	346.00	4638
62.00	4013	155.00	11219	241.00	3124	347.00	755
63.00	12335	156.00	15470	242.00	7609	350.00	732
64.00	1814	157.00	3806	243.00	7741	352.00	6138
65.00	7259	158.00	2809	244.00	109200	353.00	3537
67.00	25	159.00	2649	245.00	14080	354.00	6258
69.00	329216	160.00	6344	246.00	18848	355.00	981
70.00	1024	161.00	11166	247.00	4479	357.00	193
71.00	522	162.00	2827	248.00	2042	359.00	212
73.00	2996	163.00	1219	249.00	3791	360.00	358

Report Date: 15-Jul-2021 05:30:12 Chrom Revision: 2.3 13-May-2021 07:57:40
Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266841.d\8270_Iso.rslt\spectra.d
Injection Date: 13-Jul-2021 13:30:30
Spectrum: Tune Spec :Average 248-250(4.54-4.55) Bgrd 245(4.52)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	31672	164.00	2196	250.00	690	361.00	303
75.00	48728	165.00	6561	251.00	1476	362.00	233
76.00	19360	166.00	7546	252.00	1830	365.00	25544
77.00	387072	167.00	39528	253.00	2105	366.00	3717
78.00	24888	168.00	18208	255.00	542784	367.00	220
79.00	20200	169.00	2809	256.00	79504	370.00	463
80.00	15930	170.00	1558	257.00	5629	371.00	1808
81.00	22688	171.00	2405	258.00	26688	372.00	12032
82.00	4942	172.00	3236	259.00	4894	373.00	1935
83.00	6758	173.00	5184	260.00	1314	374.00	482
84.00	428	174.00	11142	261.00	583	375.00	259
85.00	5125	175.00	17808	264.00	1710	377.00	195
86.00	5695	176.00	4477	265.00	9486	383.00	2329
87.00	4143	177.00	8133	268.00	583	384.00	407
88.00	196	178.00	2312	269.00	211	390.00	1473
89.00	868	179.00	27456	270.00	547	391.00	1102
90.00	289	180.00	21888	271.00	499	392.00	545
91.00	6057	181.00	9014	272.00	2071	401.00	484
92.00	5725	182.00	1768	273.00	15974	402.00	3855
93.00	37328	183.00	747	274.00	41584	403.00	6596
94.00	2337	184.00	3966	275.00	235712	404.00	2378
96.00	1302	185.00	17272	276.00	33984	416.00	207
98.00	30536	186.00	123464	277.00	16260	417.00	258
99.00	24496	187.00	31416	278.00	2666	419.00	275
100.00	1973	188.00	3337	279.00	515	421.00	6525
101.00	14544	189.00	6556	280.00	220	422.00	6695
103.00	5192	190.00	1729	283.00	2699	423.00	40928
104.00	7604	191.00	3659	284.00	2273	424.00	9595
105.00	8184	192.00	11444	285.00	3288	425.00	335
106.00	456	193.00	11313	286.00	1324	426.00	645
107.00	116440	194.00	3202	288.00	305	428.00	402
108.00	17720	195.00	690	289.00	259	428.00	190
109.00	1698	196.00	29424	290.00	731	429.00	367
110.00	208064	198.00	925376	291.00	860	430.00	541

Report Date: 15-Jul-2021 05:30:12 Chrom Revision: 2.3 13-May-2021 07:57:40
Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266841.d\8270_Iso.rslt\spectra.d
Injection Date: 13-Jul-2021 13:30:30
Spectrum: Tune Spec :Average 248-250(4.54-4.55) Bgrd 245(4.52)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	30280	199.00	64832	292.00	1371	431.00	713
112.00	3189	200.00	5576	293.00	4533	432.00	667
113.00	1402	202.00	4787	294.00	874	433.00	494
115.00	755	202.00	129	295.00	1314	434.00	548
116.00	4745	203.00	6161	296.00	62216	435.00	425
117.00	81960	204.00	34576	297.00	8449	436.00	1373
118.00	5843	205.00	53776	298.00	480	437.00	453
119.00	1126	206.00	246912	300.00	309	438.00	941
120.00	2177	207.00	31672	301.00	1082	439.00	898
121.00	525	208.00	8905	302.00	1334	441.00	120648
122.00	6457	209.00	4506	303.00	8019	442.00	818240
123.00	10505	210.00	1193	304.00	1883	443.00	164160
124.00	6046	211.00	10931	308.00	291	444.00	13512
125.00	5820	212.00	1251	309.00	192	445.00	1953
127.00	402240	213.00	911	310.00	1392	511.00	206
128.00	32104	214.00	587	311.00	355	527.00	251
129.00	151552	215.00	3053	312.00	221	544.00	186
130.00	12587	216.00	5089	313.00	273	550.00	242

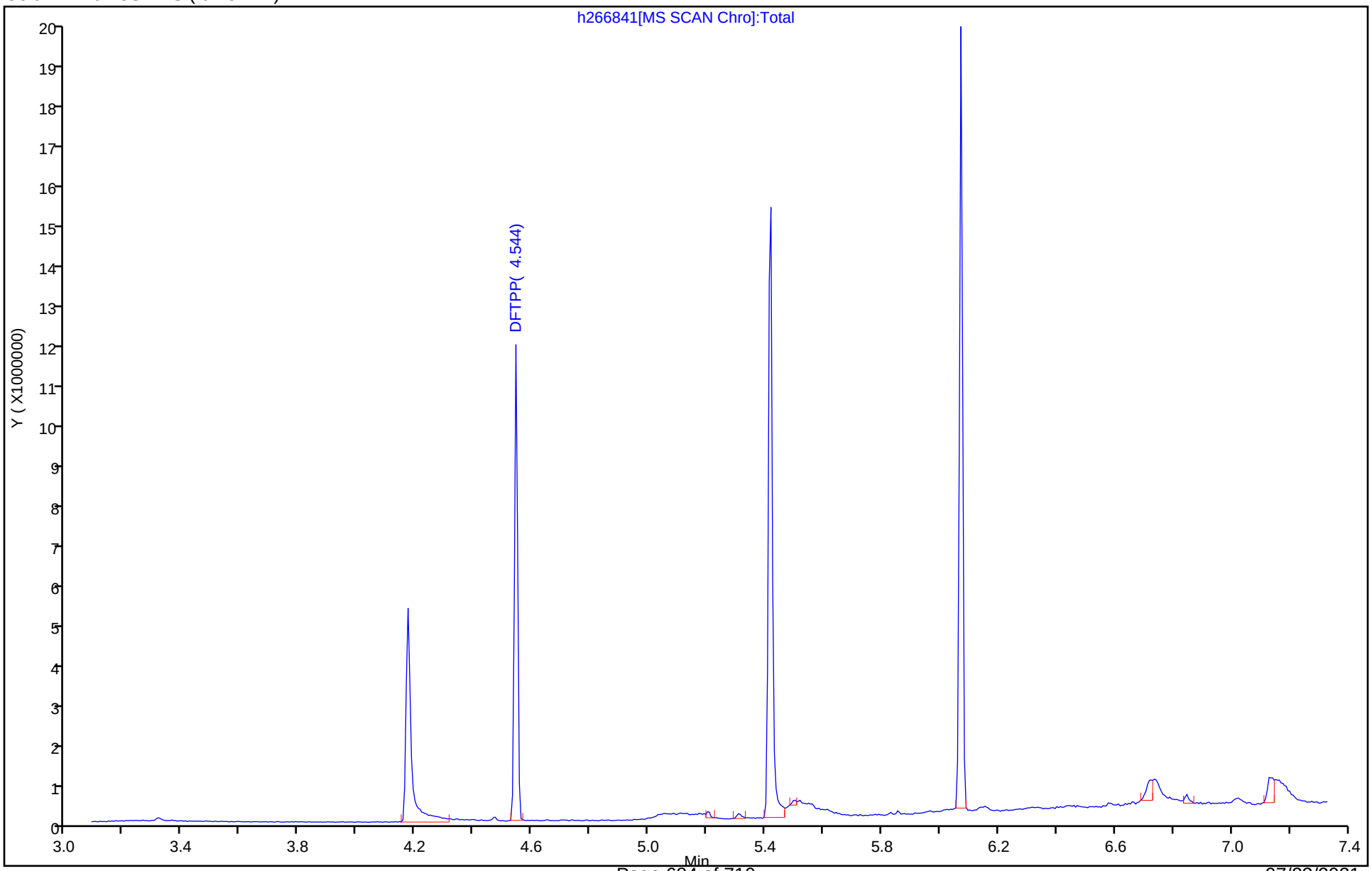
Report Date: 15-Jul-2021 05:30:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266841.d

Injection Date:	13-Jul-2021 13:30:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-791424/1-A

Matrix: Water Lab File ID: h266979.d

Analysis Method: 8270E SIM ID Date Collected:

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 19:55

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	25		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266979.d
Lims ID: MB 460-791424/1-A
Client ID:
Sample Type: MB
Inject. Date: 20-Jul-2021 19:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-003
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 12:21:48 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: eisam Date: 20-Jul-2021 21:22:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.711	0.007	7	16760	4.00	1.00	
*	4 1,4-Dichlorobenzene-d4	150	5.370	5.374	-0.004	1	13859	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

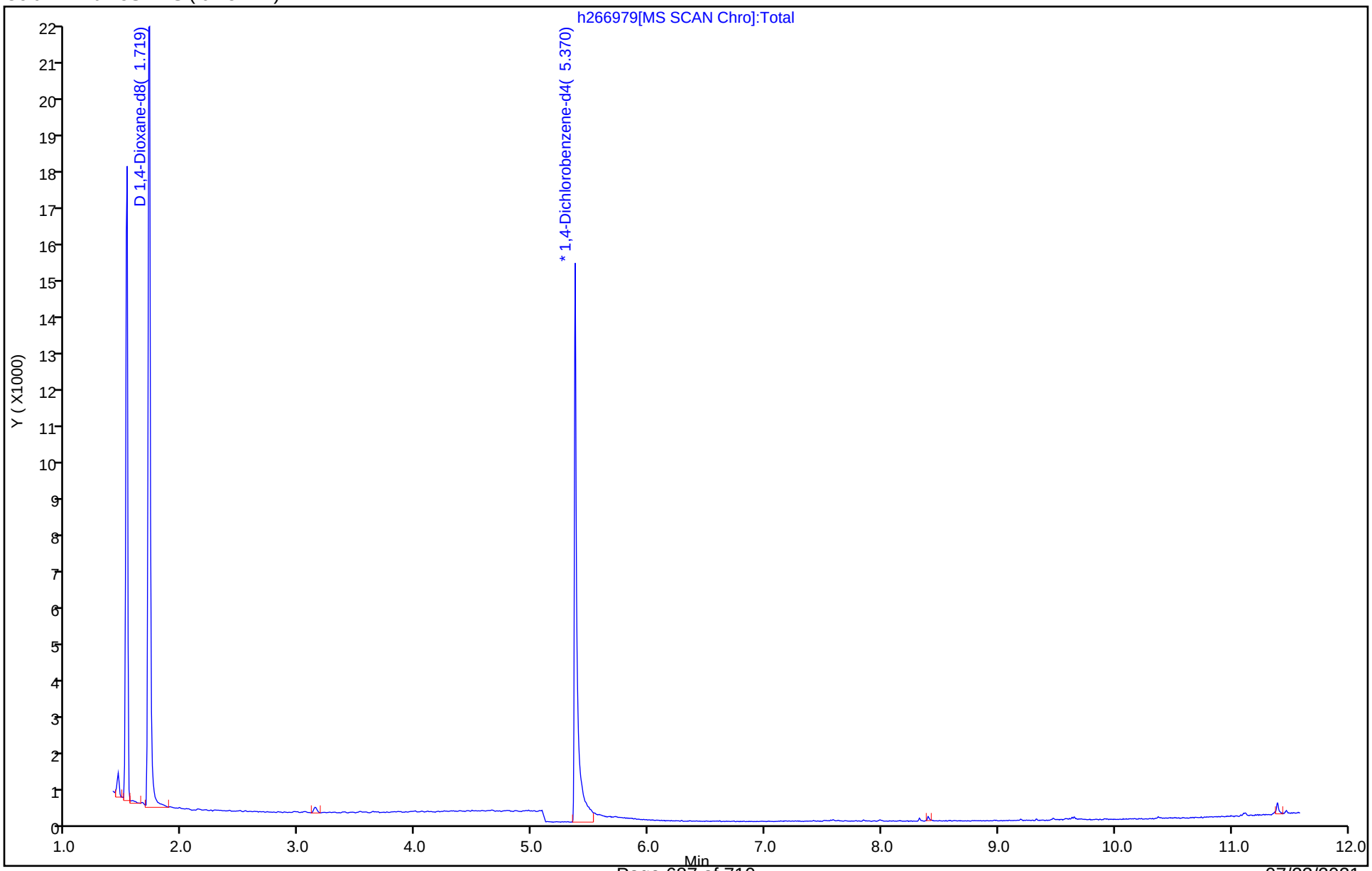
Report Date: 21-Jul-2021 12:22:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266979.d

Injection Date:	20-Jul-2021 19:55:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	MB 460-791424/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Report Date: 21-Jul-2021 12:22:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266979.d

Injection Date: 20-Jul-2021 19:55:30 Instrument ID: CBNAMS9

Lims ID: MB 460-791424/1-A

Client ID:

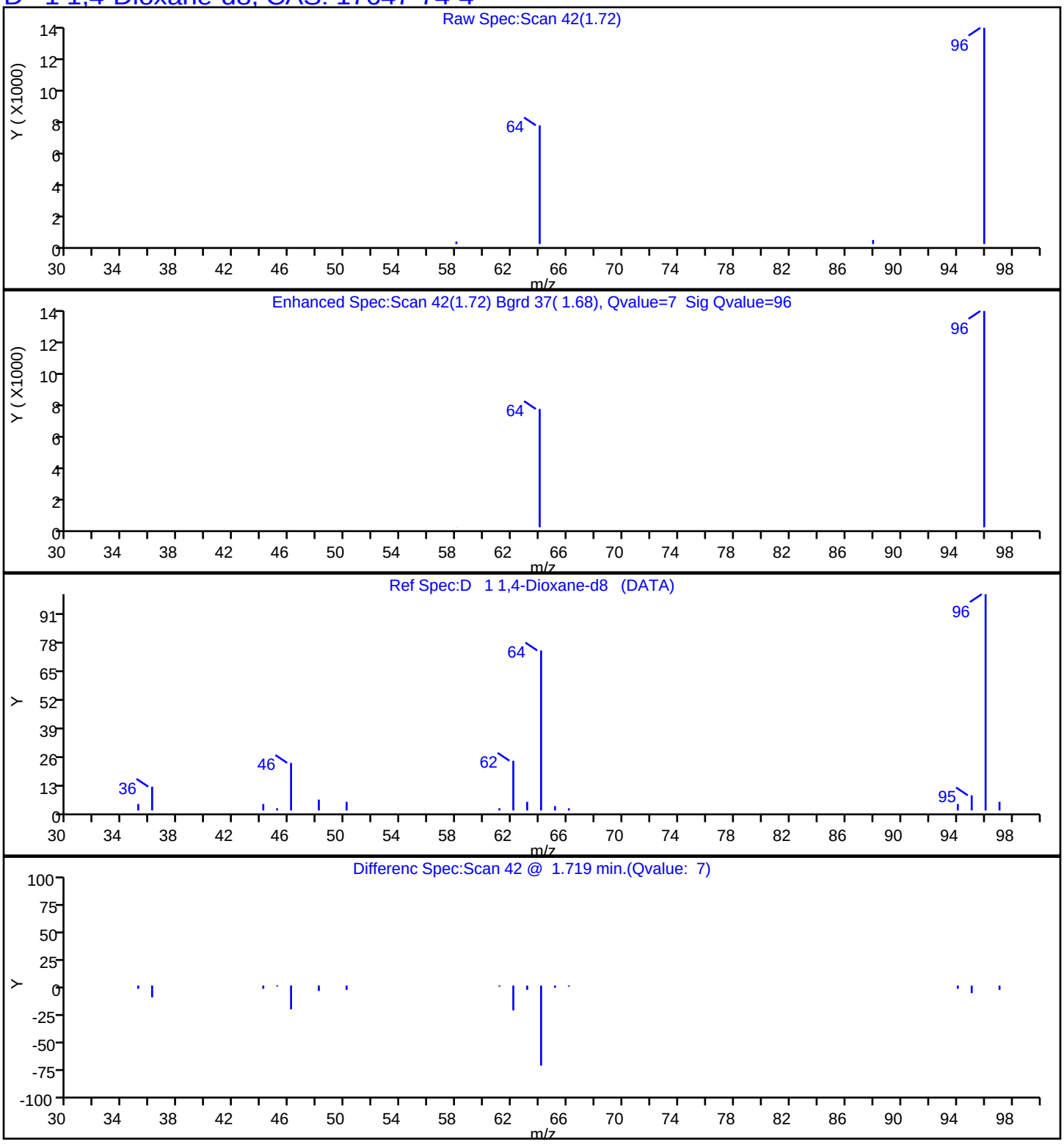
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



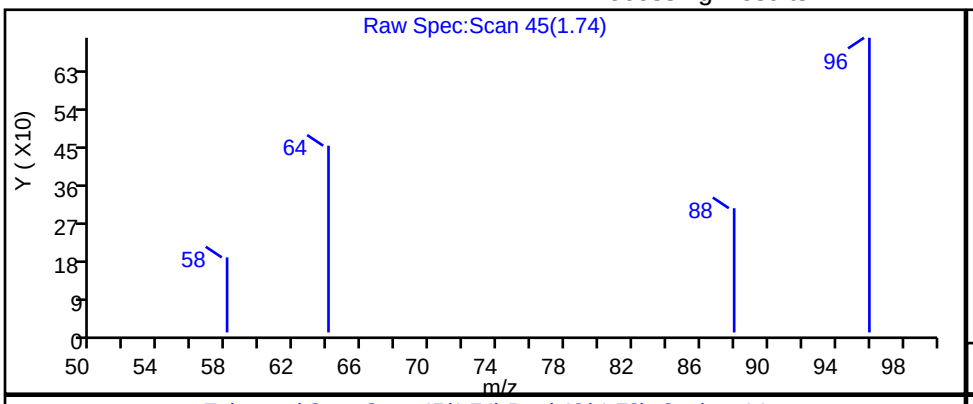
User Disabled Compound Report

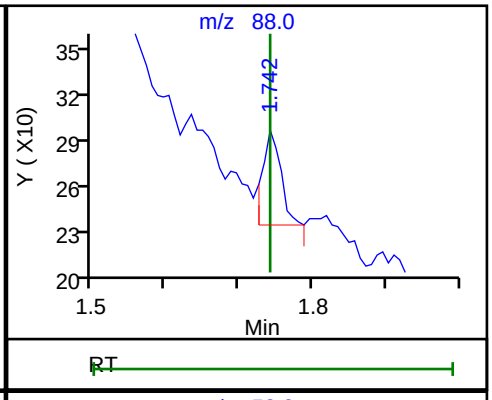
Eurofins TestAmerica, Edison

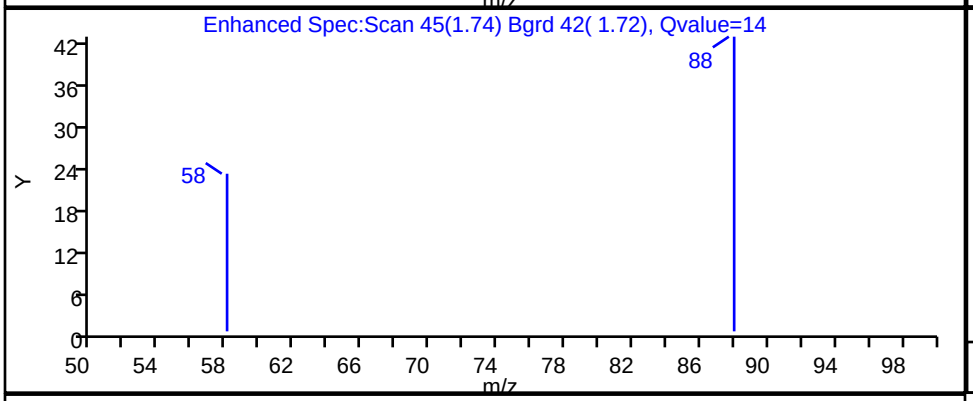
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266979.d				
Injection Date:	20-Jul-2021 19:55:30	Instrument ID:	CBNAMS9		
Lims ID:	MB 460-791424/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

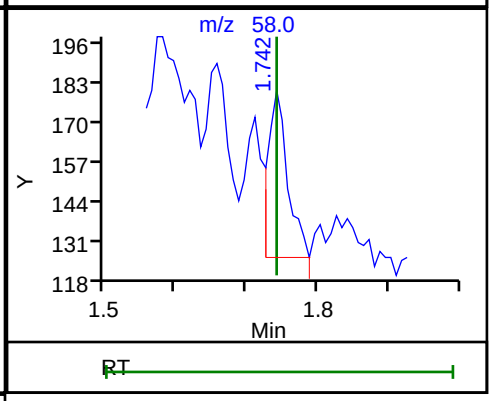
2 1,4-Dioxane, CAS: 123-91-1

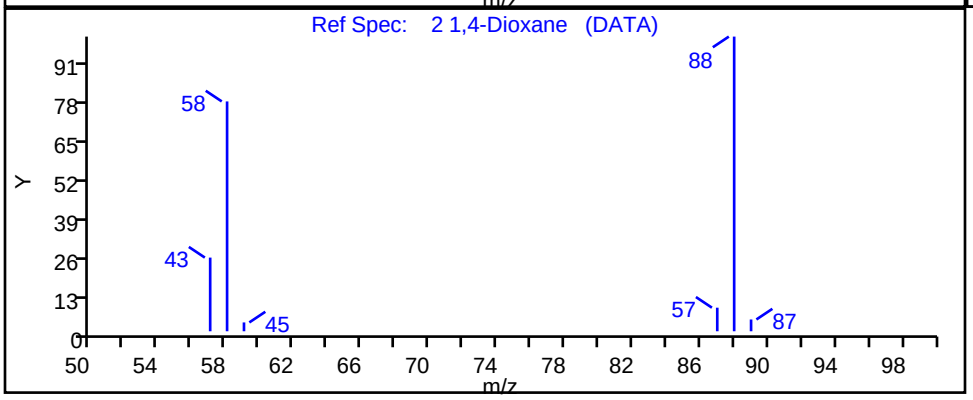
Processing Results











RT	Mass	Response	Amount
1.74	88.00	104	
1.74	58.00	108	

Reviewer: maheseep, 21-Jul-2021 11:28:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-791424/2-A

Matrix: Water Lab File ID: h266980.d

Analysis Method: 8270E SIM ID Date Collected:

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 20:11

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.85		0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	29		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266980.d
Lims ID: LCS 460-791424/2-A
Client ID:
Sample Type: LCS
Inject. Date: 20-Jul-2021 20:11:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-004
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 12:21:48 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: maheseep Date: 21-Jul-2021 11:28:18

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.711	0.007	8	20199	4.00	1.18	
	2 1,4-Dioxane	88	1.742	1.742	0.000	18	1385	0.2000	0.2318	
*	4 1,4-Dichlorobenzene-d4	150	5.370	5.374	-0.004	1	14251	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

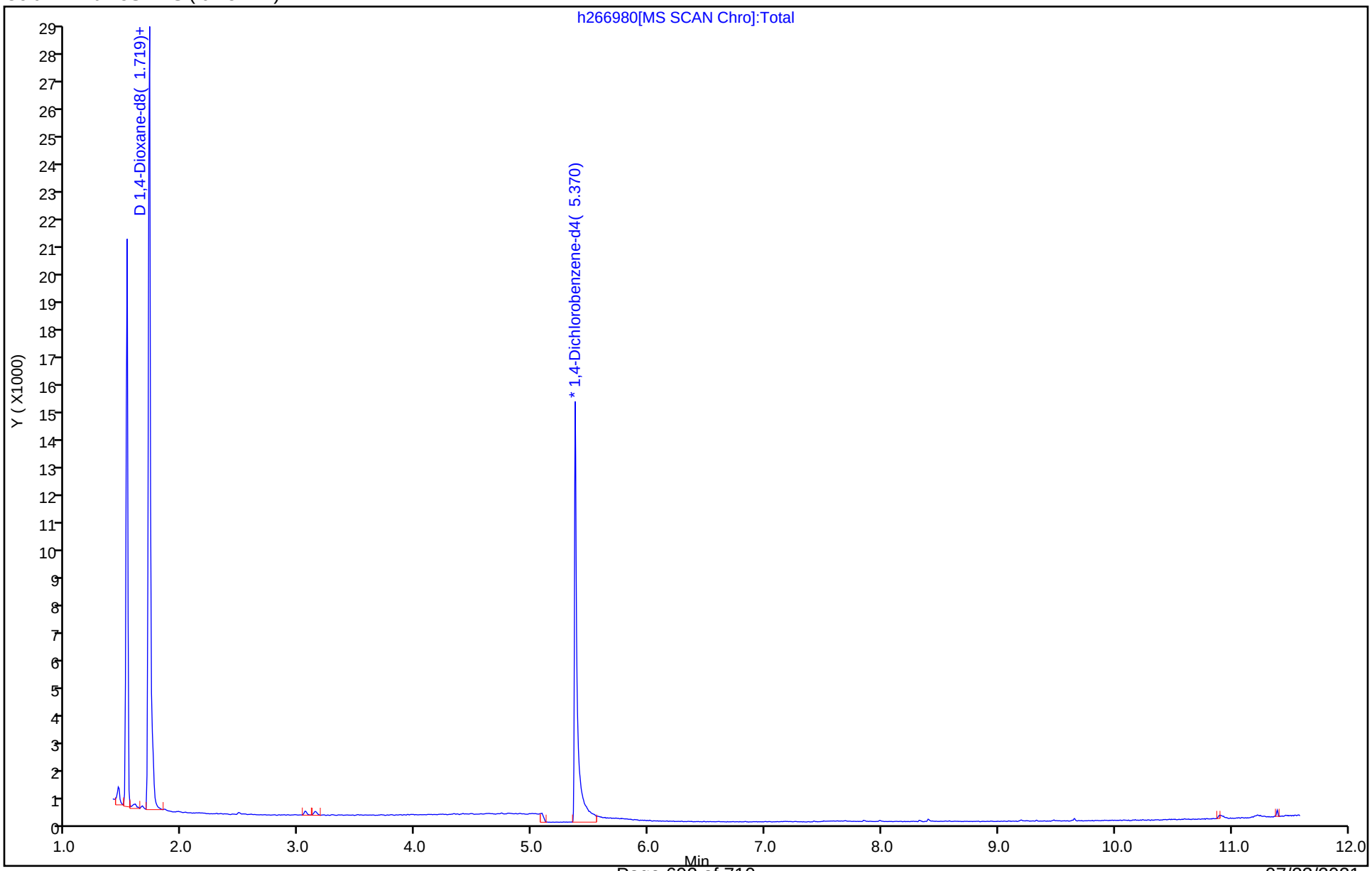
Report Date: 21-Jul-2021 12:22:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266980.d

Injection Date:	20-Jul-2021 20:11:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	LCS 460-791424/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-791424/3-A

Matrix: Water Lab File ID: h266981.d

Analysis Method: 8270E SIM ID Date Collected:

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 20:27

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.73		0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	28		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266981.d
Lims ID: LCSD 460-791424/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 20-Jul-2021 20:27:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-005
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 12:21:48 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: maheseep Date: 21-Jul-2021 11:28:26

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.718	1.711	0.007	8	19377	4.00	1.13	
	2 1,4-Dioxane	88	1.749	1.742	0.007	17	1240	0.2000	0.2163	
*	4 1,4-Dichlorobenzene-d4	150	5.370	5.374	-0.004	1	14264	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

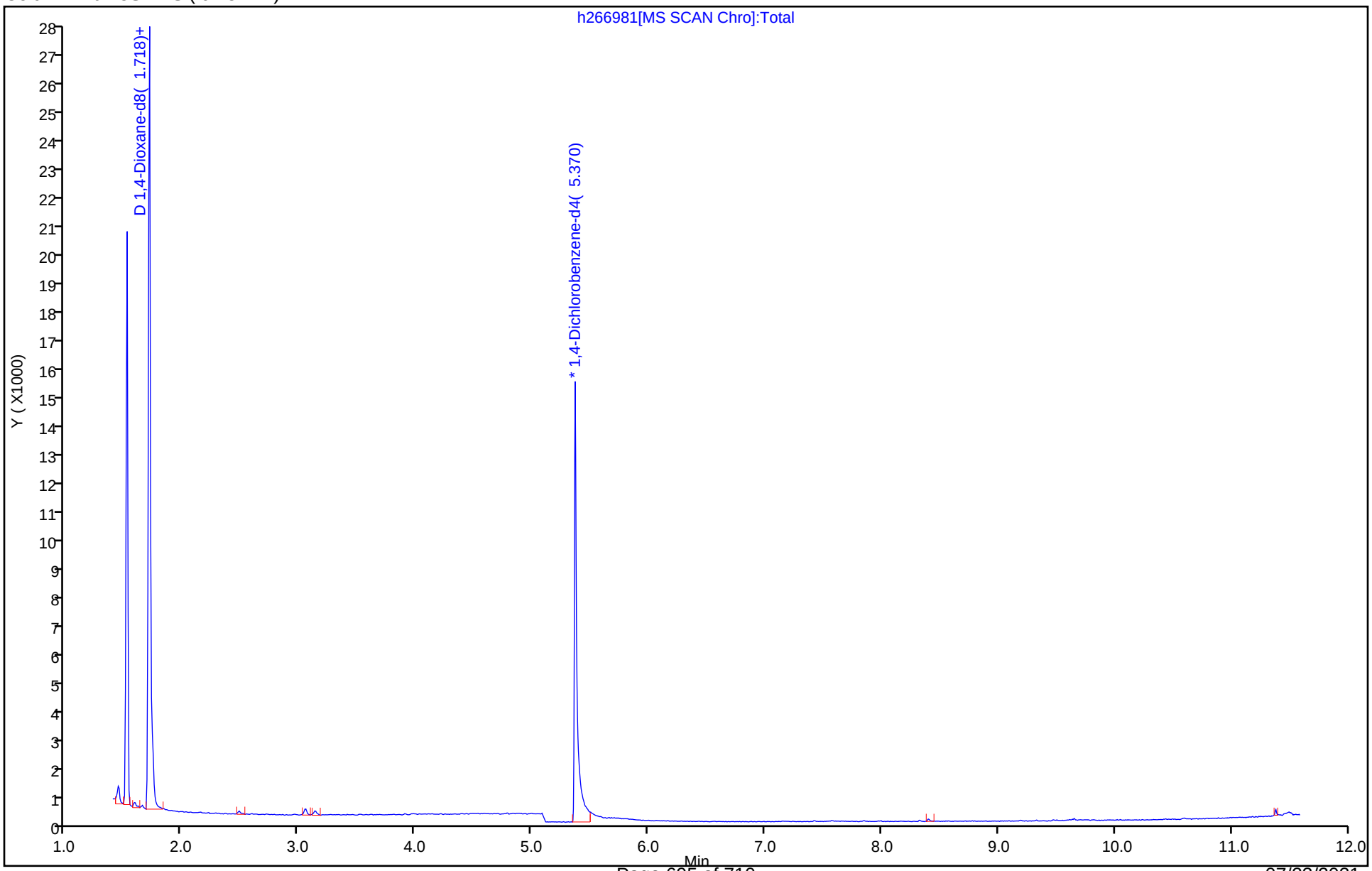
Report Date: 21-Jul-2021 12:22:25 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266981.d

Injection Date:	20-Jul-2021 20:27:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	LCSD 460-791424/3-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 MS Lab Sample ID: 460-239070-6 MS

Matrix: Water Lab File ID: h266983.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 09:20

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 20:59

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.98		0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	26		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266983.d
Lims ID: 460-239070-E-6-A MS
Client ID: MW-6
Sample Type: MS
Inject. Date: 20-Jul-2021 20:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0132101-007
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 21-Jul-2021 12:22:53 Calib Date: 13-Jul-2021 15:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: maheseep Date: 21-Jul-2021 11:29:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.719	1.711	0.008	6	20901	4.00	1.03	
	2 1,4-Dioxane	88	1.742	1.742	0.000	18	1533	0.2000	0.2479	
*	4 1,4-Dichlorobenzene-d4	150	5.366	5.374	-0.008	1	16931	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

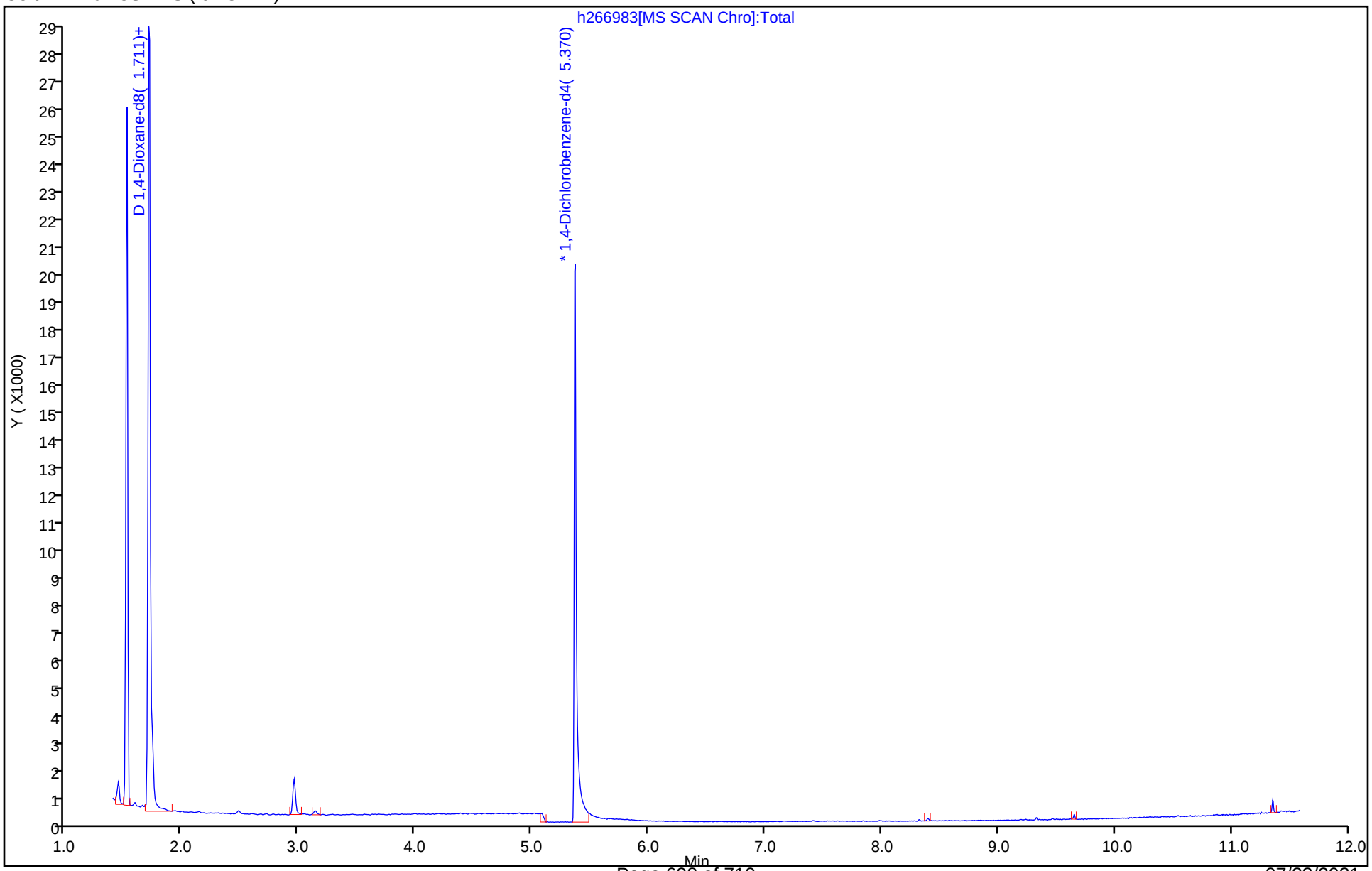
Report Date: 21-Jul-2021 12:22:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266983.d

Injection Date:	20-Jul-2021 20:59:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-6-A MS			Worklist Smp#:	7
Client ID:	MW-6				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

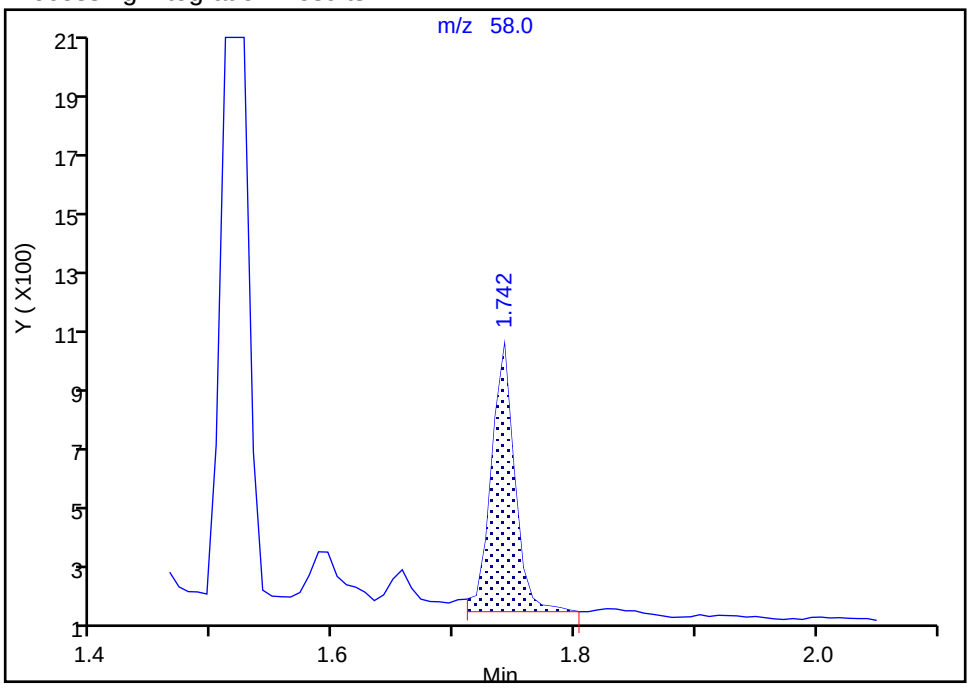
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266983.d				
Injection Date:	20-Jul-2021 20:59:30	Instrument ID:	CBNAMS9		
Lims ID:	460-239070-E-6-A MS				
Client ID:	MW-6				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

2 1,4-Dioxane, CAS: 123-91-1

Signal: 2

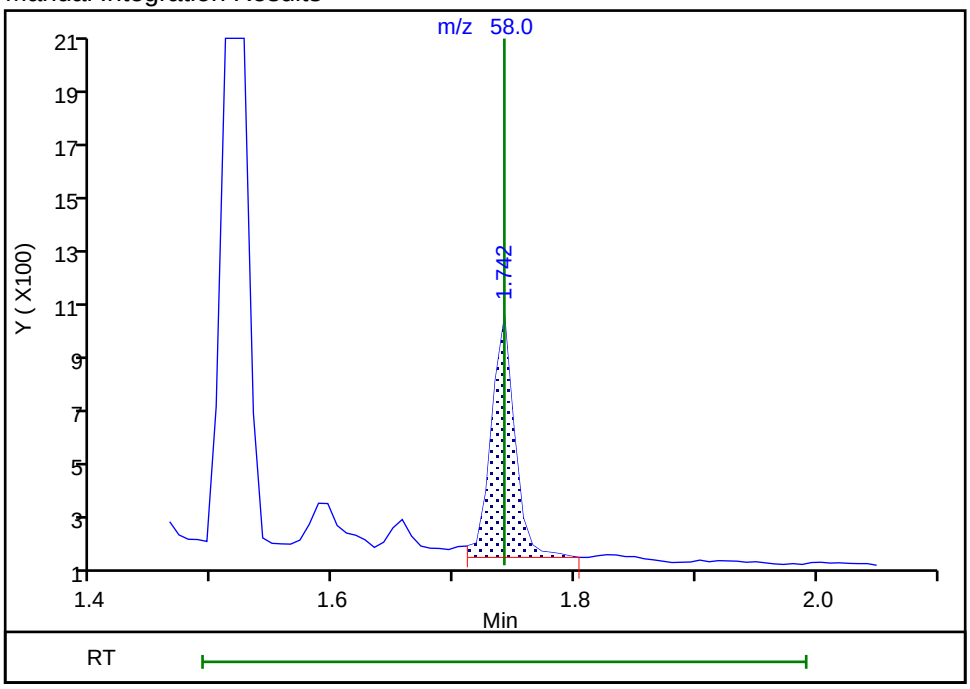
Processing Integration Results

RT: 1.74
Area: 1206
Amount: 0.247919
Amount Units: ug/ml



Manual Integration Results

RT: 1.74
Area: 1206
Amount: 0.247919
Amount Units: ug/ml



Reviewer: khlungprakhons, 21-Jul-2021 12:22:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Client Sample ID: MW-6 MSD Lab Sample ID: 460-239070-6 MSD

Matrix: Water Lab File ID: h266984.d

Analysis Method: 8270E SIM ID Date Collected: 07/16/2021 09:20

Extract. Method: 3510C Date Extracted: 07/20/2021 10:17

Sample wt/vol: 250(mL) Date Analyzed: 07/20/2021 21:15

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 791477 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	15.8		0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	27		10-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266984.d				
Lims ID:	460-239070-E-6-B MSD				
Client ID:	MW-6				
Sample Type:	MSD				
Inject. Date:	20-Jul-2021 21:15:30	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0132101-008				
Operator ID:		Instrument ID:	CBNAMS9		
Method:	\\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\8270_Iso.m				
Limit Group:	MSS 8270 Isotope Dilution IS				
Last Update:	21-Jul-2021 11:29:07	Calib Date:	13-Jul-2021 15:53:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Isotopic Dilution	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CBNAMS9\20210713-131740.b\h266850.d				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1634				
First Level Reviewer: maheseep		Date:	21-Jul-2021 11:29:20		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.718	1.707	0.007	7	21751	40.0	1.10	
	2 1,4-Dioxane	88	1.742	1.749	0.000	19	1273	0.0200	1.98	
*	4 1,4-Dichlorobenzene-d4	150	5.366	5.374	-0.008	1	16459	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00008 Amount Added: 20.00 Units: uL Run Reagent

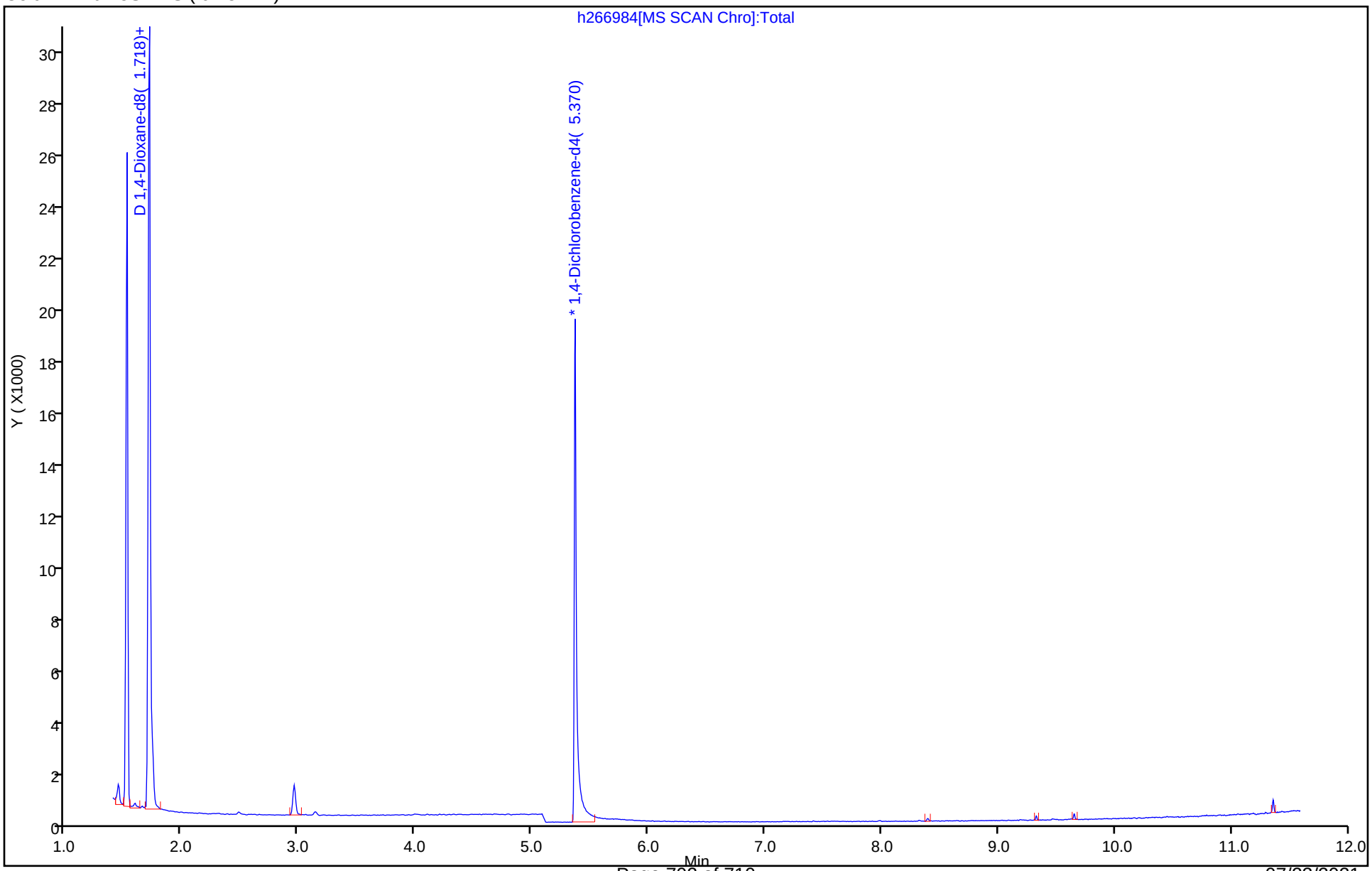
Report Date: 21-Jul-2021 11:29:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210720-132101.b\h266984.d

Injection Date:	20-Jul-2021 21:15:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-239070-E-6-B MSD			Worklist Smp#:	8
Client ID:	MW-6				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Instrument ID: CBNAMS9 Start Date: 07/13/2021 13:30

Analysis Batch Number: 790012 End Date: 07/13/2021 16:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-790012/1		07/13/2021 13:30	1	h266841.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-790012/2		07/13/2021 13:46	1	h266842.d	Rtxi-5Sil MS 0.25(mm)
STD9 460-790012/3 IC		07/13/2021 14:01	1	h266843.d	Rtxi-5Sil MS 0.25(mm)
STD8 460-790012/4 IC		07/13/2021 14:17	1	h266844.d	Rtxi-5Sil MS 0.25(mm)
STD7 460-790012/5 IC		07/13/2021 14:33	1	h266845.d	Rtxi-5Sil MS 0.25(mm)
STD6 460-790012/6 IC		07/13/2021 14:49	1	h266846.d	Rtxi-5Sil MS 0.25(mm)
STD4 460-790012/7 IC		07/13/2021 15:05	1	h266847.d	Rtxi-5Sil MS 0.25(mm)
STD3 460-790012/8 IC		07/13/2021 15:21	1	h266848.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-790012/9 IC		07/13/2021 15:37	1	h266849.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-790012/10 IC		07/13/2021 15:53	1	h266850.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-790012/11		07/13/2021 16:09	1		Rtxi-5Sil MS 0.25(mm)

8270E SIM ID

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Instrument ID: CBNAMS9 Start Date: 07/20/2021 19:35

Analysis Batch Number: 791477 End Date: 07/21/2021 01:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-791477/2		07/20/2021 19:35	1	h266978.d	Rtxi-5Sil MS 0.25(mm)
MB 460-791424/1-A		07/20/2021 19:55	1	h266979.d	Rtxi-5Sil MS 0.25(mm)
LCS 460-791424/2-A		07/20/2021 20:11	1	h266980.d	Rtxi-5Sil MS 0.25(mm)
LCSD 460-791424/3-A		07/20/2021 20:27	1	h266981.d	Rtxi-5Sil MS 0.25(mm)
460-239070-6	MW-6	07/20/2021 20:43	1	h266982.d	Rtxi-5Sil MS 0.25(mm)
460-239070-6 MS	MW-6 MS	07/20/2021 20:59	1	h266983.d	Rtxi-5Sil MS 0.25(mm)
460-239070-6 MSD	MW-6 MSD	07/20/2021 21:15	1	h266984.d	Rtxi-5Sil MS 0.25(mm)
460-239070-3	MW-3A	07/20/2021 21:31	1	h266985.d	Rtxi-5Sil MS 0.25(mm)
460-239070-7	MW-XX	07/20/2021 21:47	1	h266986.d	Rtxi-5Sil MS 0.25(mm)
460-239070-8	FB071621	07/20/2021 22:03	1	h266987.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 22:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 22:34	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 22:50	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 23:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 23:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 23:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/20/2021 23:54	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/21/2021 00:10	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/21/2021 00:26	1		Rtxi-5Sil MS 0.25(mm)
460-239070-1	MW-1	07/21/2021 00:42	1	h266997.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/21/2021 00:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/21/2021 01:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/21/2021 01:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/21/2021 01:46	1		Rtxi-5Sil MS 0.25(mm)

8270E SIM ID

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 791424 Batch Start Date: 07/20/21 10:17 Batch Analyst: Santos, Omar T

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_1,4-DX_SP 00005
MB 460-791424/1		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-791424/2		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
LCSD 460-791424/3		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
460-239070-E-6 MS	MW-6	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
460-239070-E-6 MSD	MW-6	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	500 uL
460-239070-E-6	MW-6	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-239070-E-1	MW-1	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-239070-E-3	MW-3A	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-239070-E-7	MW-XX	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-239070-E-8	FB071621	3510C, 8270E SIM ID	T	250 mL	2 mL	5 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_14-DX_surr 00010					
MB 460-791424/1		3510C, 8270E SIM ID		20 uL					
LCS 460-791424/2		3510C, 8270E SIM ID		20 uL					
LCSD 460-791424/3		3510C, 8270E SIM ID		20 uL					
460-239070-E-6 MS	MW-6	3510C, 8270E SIM ID	T	20 uL					
460-239070-E-6 MSD	MW-6	3510C, 8270E SIM ID	T	20 uL					
460-239070-E-6	MW-6	3510C, 8270E SIM ID	T	20 uL					
460-239070-E-1	MW-1	3510C, 8270E SIM ID	T	20 uL					
460-239070-E-3	MW-3A	3510C, 8270E SIM ID	T	20 uL					
460-239070-E-7	MW-XX	3510C, 8270E SIM ID	T	20 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E SIM ID

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-239070-1

SDG No.:

Batch Number: 791424 Batch Start Date: 07/20/21 10:17 Batch Analyst: Santos, Omar T

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_14-DX_surr 00010					
460-239070-E-8	FB071621	3510C, 8270E SIM ID	T	20 uL					

Batch Notes	
Acid Used for pH Adjustment ID	257458
Base Used to Adjust pH ID	OP3010
Batch Comment	BNA isotope
Analyst ID - Concentration	OS
Concentration 1 Corrected Temperature	35 Degrees C
Equipment ID - Concentration 1	31869
Analyst ID - Extraction	OS
Method/Fraction	3510C LVI / 8270 isotope
Na2SO4 ID	204081
pH Indicator ID	HC-022887
Pipette/Syringe/Dispenser ID	OS
Prep Solvent ID	Methylene Chloride: 284095
Prep Solvent Volume Used	180 mL
Analyst ID - Spike Analyst	FW
Sufficient Volume for Batch QC	Yes
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Vial Lot Number	20046103

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E SIM ID

Shipping and Receiving Documents

Chain of Custody Record

515224

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Nick Recchia	Site Contact: Dillan J Fitchett	Date: 7/16/21	COC No:
Company Name: GEI	Tel/Email: nrecchia@geiconsultants.com	Lab Contact: Melissa Haas	Carrier: Courier	1 of 1 COCs
Address: 1000 New York Ave	**Analysis Turnaround Time**			Sampler:
City/State/Zip: Huntington Station NY 11746	☑ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone: 631-903-7636	☑ TAT if different from Below _____			Walk-in Client:
Fax: wfitchett@geiconsultants.com	☑ 2 weeks			Lab Sampling:
Project Name: Belle Cleaners	☐ 1 week			
Site: 40 Purchase Street	☐ 2 days			Job / SDG No.: 239070
PO # 202105	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260D VOCs + 10 TICs	8270E SIM 1,4-Dioxane	Sample Specific Notes:
MW-1	7/16	1020	C/G	GW	5			X	X	1
MW-2		1155	G		3			X		2
MW-3A		1235	C/G		5			X	X	3
MW-4A		1322	G		3			X		4
MW-5		815	G		3			X		5
MW-6		920	C/G		5			X	X	6
MW-6 (MS)		920	C/G		7			X	X	6
MW-6 (MSD)		920	C/G		7			X	X	6
MW-XX		1235	C/G		7			X	X	7
FB071621		1340	C/G		7			X	X	8
TB071621		—	—		3			X		9

460-239070 Chain of Custody

5-Day RUSH

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: need full CAT B

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

	Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
1	WJF		7/16/21 14:00			7/16/21 14:00
2						7/16/21 1600
3			7/16/21 1900		ETA	7/16/21 1900

2.5 20 ZR9

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 239070

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	25 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 7/16/21

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-239070-1

Login Number: 239070
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-247174-1
Client Project/Site: Belle's Cleaners

For:
GEI Consultants, Inc.
1000 New York Avenue
Huntington Station, New York 11746

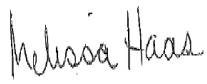
Attn: William Fitchett

Melissa Haas

Authorized for release by:
11/19/2021 3:48:27 PM

Melissa Haas, Senior Project Manager
(203)308-0880
Melissa.Haas@Eurofinset.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Melissa Haas
Senior Project Manager
11/19/2021 3:48:27 PM

Table of Contents

Definitions/Glossary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-247174-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

Job Narrative
460-247174-1

Comments
No additional comments.

Receipt
The samples were received on 11/12/2021 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1º C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The samples were not checked off for analysis.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 460-813746 recovered above the upper control limit for Freon TF. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 460-813991 was outside the method criteria for Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Client Sample ID: Sump Pump 1
Date Collected: 11/10/21 09:00
Date Received: 11/12/21 17:30

Lab Sample ID: 460-247174-1
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/18/21 13:11	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/18/21 13:11	1
Vinyl chloride	**0.43**	**J**	1.0	0.17	ug/L			11/18/21 13:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/18/21 13:11	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/18/21 13:11	1
Acetone	5.0	U	5.0	4.4	ug/L			11/18/21 13:11	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/18/21 13:11	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/18/21 13:11	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/18/21 13:11	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/18/21 13:11	1
trans-1,2-Dichloroethene	**0.47**	**J**	1.0	0.24	ug/L			11/18/21 13:11	1
cis-1,2-Dichloroethene	**21**		1.0	0.22	ug/L			11/18/21 13:11	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/18/21 13:11	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/18/21 13:11	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/18/21 13:11	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/18/21 13:11	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/18/21 13:11	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/18/21 13:11	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/18/21 13:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/18/21 13:11	1
Trichloroethene	**6.4**		1.0	0.31	ug/L			11/18/21 13:11	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/18/21 13:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/18/21 13:11	1
Benzene	1.0	U	1.0	0.20	ug/L			11/18/21 13:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/18/21 13:11	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/18/21 13:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/18/21 13:11	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/18/21 13:11	1
Tetrachloroethene	**49**		1.0	0.25	ug/L			11/18/21 13:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/18/21 13:11	1
Toluene	1.0	U	1.0	0.38	ug/L			11/18/21 13:11	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/18/21 13:11	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/18/21 13:11	1
Styrene	1.0	U	1.0	0.42	ug/L			11/18/21 13:11	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/18/21 13:11	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/18/21 13:11	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/18/21 13:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/18/21 13:11	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			11/18/21 13:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/18/21 13:11	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/18/21 13:11	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/18/21 13:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/18/21 13:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/18/21 13:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/18/21 13:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/18/21 13:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/18/21 13:11	1
1,4-Dioxane	50	U	50	28	ug/L			11/18/21 13:11	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			11/18/21 13:11	1

Client Sample ID: Sump Pump 1

Lab Sample ID: 460-247174-1

Date Collected: 11/10/21 09:00

Matrix: Water

Date Received: 11/12/21 17:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/18/21 13:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/18/21 13:11	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/18/21 13:11	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/18/21 13:11	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/18/21 13:11	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/18/21 13:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/18/21 13:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*11/18/21 13:11*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/18/21 13:11*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*11/18/21 13:11*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*11/18/21 13:11*	*1*

Client Sample ID: Sump Pump 2

Lab Sample ID: 460-247174-2

Date Collected: 11/10/21 09:10

Matrix: Water

Date Received: 11/12/21 17:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/17/21 16:49	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/17/21 16:49	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/17/21 16:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/17/21 16:49	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/17/21 16:49	1
Acetone	5.0	U	5.0	4.4	ug/L			11/17/21 16:49	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/17/21 16:49	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/17/21 16:49	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/17/21 16:49	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/17/21 16:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/17/21 16:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/17/21 16:49	1
Chloroform	**25**		1.0	0.33	ug/L			11/17/21 16:49	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/17/21 16:49	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/17/21 16:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/17/21 16:49	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/17/21 16:49	1
Dichlorobromomethane	**4.0**		1.0	0.34	ug/L			11/17/21 16:49	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/17/21 16:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/17/21 16:49	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/17/21 16:49	1
Chlorodibromomethane	**0.60**	**J**	1.0	0.28	ug/L			11/17/21 16:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/17/21 16:49	1
Benzene	1.0	U	1.0	0.20	ug/L			11/17/21 16:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/17/21 16:49	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/17/21 16:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/17/21 16:49	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/17/21 16:49	1

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Client Sample ID: Sump Pump 2
Date Collected: 11/10/21 09:10
Date Received: 11/12/21 17:30

Lab Sample ID: 460-247174-2
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/17/21 16:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/17/21 16:49	1
Toluene	1.0	U	1.0	0.38	ug/L			11/17/21 16:49	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/17/21 16:49	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/17/21 16:49	1
Styrene	1.0	U	1.0	0.42	ug/L			11/17/21 16:49	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/17/21 16:49	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/17/21 16:49	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			11/17/21 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/17/21 16:49	1
2-Methyl-2-propanol	10	U	10	8.3	ug/L			11/17/21 16:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/17/21 16:49	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/17/21 16:49	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/17/21 16:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/17/21 16:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/17/21 16:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/17/21 16:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/17/21 16:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/17/21 16:49	1
1,4-Dioxane	50	U	50	28	ug/L			11/17/21 16:49	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.27	ug/L			11/17/21 16:49	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/17/21 16:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/17/21 16:49	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/17/21 16:49	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/17/21 16:49	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/17/21 16:49	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/17/21 16:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/17/21 16:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*11/17/21 16:49*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/17/21 16:49*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*11/17/21 16:49*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*11/17/21 16:49*	*1*

Lab Chronicle

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Client Sample ID: Sump Pump 1

Lab Sample ID: 460-247174-1

Date Collected: 11/10/21 09:00

Matrix: Water

Date Received: 11/12/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	813991	11/18/21 13:11	CAZ	TAL EDI

Client Sample ID: Sump Pump 2

Lab Sample ID: 460-247174-2

Date Collected: 11/10/21 09:10

Matrix: Water

Date Received: 11/12/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	813746	11/17/21 16:49	CAZ	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-22

Method Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Belle's Cleaners

Job ID: 460-247174-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-247174-1	Sump Pump 1	Water	11/10/21 09:00	11/12/21 17:30
460-247174-2	Sump Pump 2	Water	11/10/21 09:10	11/12/21 17:30

Chain of Custody Record 518995

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: George Holmes	Site Contact: George Holmes	Date: 11/10/2021	COC No: 1 of 1 COCs
Company Name: GEI Consultants, Inc.	Tel/Email: gholmes@geiconsultants.com	Lab Contact:	Carrier:	Sampler:
Address: 1000 New York Ave., Suite B	**Analysis Turnaround Time**			For Lab Use Only:
City/State/Zip: Huntington Station, NY 11746	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: (631) 5120 1077	TAT if different from Below _____			Lab Sampling:
Fax:	☐ 2 weeks ☐ 1 week Standard ☐ 2 days ☐ 1 day			Job / SDG No.:
Project Name: Belle Cleaner's				
Site: 40 Purchase St. Rye, NY				
PO# 2002105 - 1.1				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
Sump Pump 1	11/10/21	0900		GW	3				
Sump Pump 2	11/10/21	0910		GW	3				

460-247174 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Results Only Deliverable (Level 1)

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	GEI	11/11/21 11	Received by:		11/11/21 1110
Relinquished by:		11/11/21 16	Received by:		11/11/21 16
Relinquished by:		11/11/21 173	Received in Laboratory by:		11/11/21 173

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 247174

Number of Coolers: 1 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.6	2.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Jamal **Date:** 11/1/21

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-247174-1

Login Number: 247174
List Number: 1
Creator: Sgro, Angela M

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	