



April 9, 2021

Samantha Salotto  
NYS Department of Environmental Conservation  
625 Broadway  
Albany, NY 12233-7017

**RE: Pride Solvents, 78-88 Lamar Avenue, West Babylon; NYSDEC Site No. 152025 – January 2021  
Groundwater Monitoring**

Dear Ms. Salotto:

As requested by the New York State Department of Environmental Conservation (NYSDEC), Environmental Assessment & Remediations (EAR) conducted onsite groundwater sampling activities at the above referenced site. This document provides a summary of the groundwater sampling activities.

A site location map is provided as Figure 1.

**Groundwater Sampling**

On January 13-14, 2021, EAR collected groundwater samples from 8 monitoring wells. Groundwater samples were collected for analysis of volatile organic compounds. A subset of the monitoring wells (ERM-MW-07D, MW100D, and MW102D) were also sampled for analysis of perfluorinated compounds and 1,4-dioxane. Monitoring well locations are illustrated in Figure 2.

Groundwater samples were collected utilizing submersible pumps and HDPE tubing at those locations where only samples for volatile organic compounds were collected. Groundwater samples were collected using inertia pumps and HDPE tubing at those locations where samples were collected for perfluorinated compounds and 1,4-dioxane. A new length of HDPE tubing was utilized at each well.

Upon opening each well, well casing headspace was screened for total volatile organic compounds using a photoionization detector<sup>1</sup> (Rae Systems MiniRae 3000 or equivalent). Prior to sample collection, depth-to-water and total well depths were gauged to the nearest 0.01 foot and recorded. A water quality meter (YSI 556 or equivalent) was used to monitor water quality parameters. Each monitoring well was purged of at least one standing well volume then screened for pH, temperature, and conductivity until stabilization was reached. Dissolved oxygen concentrations, and oxidation reduction potential (ORP) were recorded as well.

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<sup>1</sup> Prior to use, the PID is calibrated using a 100 ppm isobutylene standard and ambient air.



Groundwater samples collected for lab analysis were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 10 water samples (including 1 blind duplicate and 1 trip blank) were submitted to an NYSDEC standby contracted laboratory (Eurofins Test America) for analysis of volatile organic compounds (VOC's) via EPA Method 8260. A total of 4 water samples (including 1 blind duplicate) were submitted to an NYSDEC standby contracted laboratory (Eurofins Test America) for analysis of perfluorinated compounds via modified EPA Method 537 and 1,4-dioxane via EPA Method 8270D.

All samples were submitted for standard 10-day turn around with NYSDEC ASP Category B deliverables requested.

During all sampling activities, a representative for the property owner was onsite to oversee the sampling effort and collect split samples.

Analytical results are summarized in Tables 1 & 2. Field screening results, including total well depths and measured depth-to-water, are provided in Table 3. Relative percent difference analyses between the blind duplicate samples and parent samples are summarized in Tables 4 & 5. Laboratory analytical reports are included as Appendix A. Monitoring well field inspection logs are provided as Appendix B.

### **Waste Disposal**

Purge water generated during the groundwater sampling activities was containerized in two (2) 55-gallon drums. A composite waste sample was collected from the drums and submitted to a NYSDEC standby contracted laboratory (Eurofins Test America) for analysis of VOCs via EPA Method 8260, semi-volatile organic compounds via EPA Method 8270, and RCRA Metals via EPA Method 6010/7470 as required by the disposal facility. The laboratory analytical report is included in Appendix A. A copy of the waste manifest is included as Appendix C.

Following receipt and review of the waste characterization data, the two drums were picked up on February 25, 2021 by NYSDEC Region 1 Response contractor AB Environmental (Bohemia, NY) for transportation and offsite disposal.

If you have any questions or would like to discuss further, please feel free to contact me at 631.241.8741.

Sincerely,

A handwritten signature in black ink, appearing to read 'I. Hofmann'.

Ian Hofmann  
Project Manager

Cc:  
Lawrence, J. (EAR)



## Tables

Table 1: Groundwater Analytical Results (EPA Method 8260)

Table 2: Groundwater Analytical Results (EPA Methods 537 & 8270)

Table 3: Field Screening

Table 4: Relative Percent Difference Analysis (8260)

Table 5: Relative Percent Difference Analysis (537, 8270)

Table 1

Pride Solvents  
78-88 Lamar Street  
West Babylon, NY  
Spill # 152025



## Groundwater Analytical Results (ug/L)

TestAmerica, Inc.

Methods: 8260

Location	ERM-MW-01D	ERM-MW-05D	ERM-MW-06D	ERM-MW-07D	MW-07SM	MW-100D	MW-101D	MW-102D
Date Collected	1/13/2021	1/13/2021	1/13/2021	1/14/2021	1/14/2021	1/14/2021	1/14/2021	1/13/2021
Time Collected	11:32 AM	10:28 AM	11:01 AM	11:16 AM	10:08 AM	9:22 AM	12:13 PM	12:26 PM
1,1 Dichloroethane	<1	3.2	<1	<1	1.3 J	11 J	55 J	35 J
1,1 Dichloroethene	<1	3.8	<1	<1	0.63 J	44	65 J	<50
1,1,1 Trichloroethane	0.39 J	190	<1	<1	27	2,900	1,600	1,000
1,1,2 Trichloroethane	<1	<2	<1	<1	<2	<25	<200	<50
1,1,2,2 Tetrachloroethane	<1	<2	<1	<1	<2	<25	<200	<50
1,2 Dibromoethane	<1	<2	<1	<1	<2	<25	<200	<50
1,2 Dichlorobenzene	<1	<2	<1	<1	3.6	91	1,200	54
1,2 Dichloroethane	<1	<2	<1	<1	<2	<25	<200	<50
1,2 Dichloropropane	<1	<2	<1	<1	<2	<25	<200	<50
1,2,3 Trichlorobenzene	<1	<2	<1	<1	<2	<25	<200	<50
1,2,4 Trichlorobenzene	<1	<2	<1	<1	2.1	15 J	170 J	<50
1,3 Dichlorobenzene	<1	<2	<1	<1	<2	<25	<200	<50
1,4 Dichlorobenzene	<1	<2	<1	<1	<2	<25	<200	<50
1,4-Dioxane	<50	<100	<50	<50	<100	<1,300	<10,000	<2,500
2-Hexanone	<5	<10	<5	<5	<10	<130	<1,000	<250
4-Methyl-2-Pentanone	<5	<10	<5	<5	<10	<130	<1,000	<250
Acetone	<5	<10	<5	<5	<10	<130	<1,000	330
Benzene	<1	<2	<1	<1	<2	<25	<200	<50
Bromochloromethane	<1	<2	<1	<1	<2	<25	<200	<50
Bromodichloromethane	<1	<2	<1	<1	<2	<25	<200	<50
Bromoform	<1	<2	<1	<1	<2	<25	<200	<50
Bromomethane	<1	<2	<1	<1	<2	<25	<200	<50
c 1,3 Dichloropropene	<1	<2	<1	<1	<2	<25	<200	<50
Carbon Disulfide	<1	<2	<1	<1	<2	<25	<200	<50
Carbon Tetrachloride	<1	<2	<1	<1	<2	<25	<200	<50
Chlorobenzene	<1	<2	<1	<1	<2	<25	<200	<50
Chloroethane	<1	<2	<1	<1	<2	<25	<200	<50
Chloroform	<1	<2	<1	<1	<2	<25	<200	<50
Chloromethane	<1	<2	<1	<1	<2	<25	<200	<50
cis-1,2-Dichloroethene	<1	<2	<1	<1	<2	<25	<200	18 J
Cyclohexane	<1	<2	<1	<1	<2	<25	<200	<50
Cyclohexane, methyl-	<1	<2	<1	<1	<2	<25	<200	<50
Dibromochloromethane	<1	<2	<1	<1	<2	<25	<200	<50
Dibromochloropropane	<1	<2	<1	<1	<2	<25	<200	<50
Dichlorodifluoromethane	<1	<2	<1	<1	<2	<25	<200	<50
Ethylbenzene	<1	<2	<1	<1	<2	<25	<200	<50
Freon 113	<1	<2	<1	<1	1.6 J	13 J	63 J	<50
Isopropylbenzene	<1	<2	<1	<1	<2	<25	<200	<50
m + p Xylene	<1	<2	<1	<1	<2	14 J	150 J	20 J
Methyl acetate	<5	<10	<5	<5	<10	<130	<1,000	<250
Methyl Ethyl Ketone	<5	<10	<5	<5	<10	<130	<1,000	<250
Methylene Chloride	<1	<2	<1	<1	<2	<25	<200	<50
o-Xylene	<1	<2	<1	<1	<2	<25	<200	<50
Styrene	<1	<2	<1	<1	<2	<25	<200	<50
t 1,3 Dichloropropene	<1	<2	<1	<1	<2	<25	<200	<50
t butylmethylether	<1	<2	<1	<1	<2	<25	<200	<50
Tetrachloroethene	84	630	35	1.7	860	9,600	82,000	12,000
Toluene	<1	<2	<1	<1	<2	26	130 J	22 J
trans-1,2-Dichloroethene	<1	<2	<1	<1	<2	<25	<200	<50
Trichloroethylene	0.77 J	150	1.4	<1	31	2,000	1,500	1,000
Trichlorofluoromethane	<1	<2	<1	<1	<2	<25	<200	<50
Vinyl Chloride	<1	<2	<1	<1	<2	<25	<200	<50
Calculated								
Total VOCs	85.16	977	36.4	1.7	927.23	14,714	86,933	14,479
Total BTEX	<5	<10	<5	<5	<10	40	280	42

J - Indicates an estimated value below laboratory reporting limits

Pride Solvents  
78-88 Lamar Street  
West Babylon, NY  
Spill # 152025



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### Groundwater Analytical Results (ng/L)

TestAmerica, Inc.

Methods: E537(M)

Location	ERM-MW-07D	MW-100D	MW-102D
Date Collected	1/14/2021	1/14/2021	1/13/2021
Time Collected	11:16 AM	9:22 AM	12:26 PM
Combined PFOA & PFOS	<3.70	6.58	11.54
2-(N-methyl perfluorooctanesulfonamido) acetic acid	<4.62	<4.57	<4
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	<4.62	<4.57	<4
Perfluorobutanesulfonic Acid (PFBS)	<1.85	0.76 J	1.30 J
Perfluorobutyric Acid (PFBA)	<4.62	23.8	6.34
Perfluorodecane Sulfonic Acid	<1.85	<1.83	<1.60
Perfluorodecanoic Acid (PFDA)	<1.85	<1.83	<1.60
Perfluorododecanoic Acid (PFDoA)	<1.85	<1.83	<1.60
Perfluoroheptane Sulfonate (PFHpS)	<1.85	<1.83	<1.60
Perfluoroheptanoic Acid (PFHpA)	<1.85	4.36	3.8
Perfluorohexanesulfonic Acid (PFHxS)	<1.85	1.81 J	1.7
Perfluorohexanoic Acid (PFHxA)	<1.85	5.1	4.13
Perfluorononanoic Acid (PFNA)	<1.85	0.35 J	0.67 J
Perfluorooctane Sulfonamide (FOSA)	<1.85	<1.83	<1.60
Perfluorooctanesulfonic Acid (PFOS)	<1.85	1.31 J	2.26
Perfluorooctanoic Acid (PFOA)	<1.85	5.27	9.28
Perfluoropentanoic Acid (PFPeA)	0.65 J	13.3	4.8
Perfluorotetradecanoic Acid (PFTeA)	<1.85	<1.83	<1.60
Perfluorotridecanoic Acid (PFTriA)	<1.85	<1.83	<1.60
Perfluoroundecanoic Acid (PFUnA)	<1.85	<1.83	<1.60
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	<1.85	<1.83	<1.60
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	<4.62	<4.57	<4

### Groundwater Analytical Results (ug/L)

Test America, Inc.

Methods: 8270E

Location	ERM-MW-07D	MW-100D	MW-102D
Date Collected	1/14/2021	1/14/2021	1/13/2021
Time Collected	11:16 AM	9:22 AM	12:26 PM
1,4-Dioxane	<0.20	<0.20	<0.20

J - Indicates an estimated value below laboratory reporting limits

Table 3

Pride Solvents  
78-88 Lamar Street  
West Babylon, NY  
Site No. 152025



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Groundwater Analytical Results  
EAR Field Screening

Location	Date Collected	Time Collected	Depth to Water (ft)	Total Well Depth	Conductivity (us/cm)	Dissolved Oxygen mg/L	ORP (Oxidation Reduction Potential) mV	pH -	Temperature °C
ERM-MW-01D	1/13/2021	11:32	11.94	81.98	176	5.06	228.7	4.62	12.55
ERM-MW-05D	1/13/2021	10:28	12.21	85.22	172	6.11	221.9	5.67	12.13
ERM-MW-06D	1/13/2021	11:01	12.26	85.43	159	5.06	214.8	5.18	11.97
ERM-MW-07D	1/14/2021	11:16	13.91	100+	129	0.17	80.9	5.49	11.93
MW-07SM	1/14/2021	10:08	11.46	86.43	161	4.47	169.9	5.55	12.55
MW-100D	1/14/2021	9:22	13.51	92.51	179	2.89	156.8	5.74	12.46
MW-101D	1/14/2021	12:13	11.68	83.54	185	1.58	-15.5	7.58	12.53
MW-102D	1/13/2021	12:22	11.61	85.62	169	3.99	208.0	4.89	12.70

Table 4

Pride Solvents  
78-88 Lamar Street  
West Babylon, NY  
Spill # 152025



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## Relative Percent Difference Analysis (ug/L)

TestAmerica, Inc.

Methods: 8260

Location	Parent Sample	Duplicate Sample	Relative Percent Difference	Trip Blank
	ERM-MW-07D	MW-X		
Date Collected	1/14/2021	1/14/2021		
1,1 Dichloroethane	<1	<1	0%	<1
1,1 Dichloroethene	<1	<1	0%	<1
1,1,1 Trichloroethane	<1	<1	0%	<1
1,1,2 Trichloroethane	<1	<1	0%	<1
1,1,2,2 Tetrachloroethane	<1	<1	0%	<1
1,2 Dibromoethane	<1	<1	0%	<1
1,2 Dichlorobenzene	<1	<1	0%	<1
1,2 Dichloroethane	<1	<1	0%	<1
1,2 Dichloropropane	<1	<1	0%	<1
1,2,3 Trichlorobenzene	<1	<1	0%	<1
1,2,4 Trichlorobenzene	<1	<1	0%	<1
1,3 Dichlorobenzene	<1	<1	0%	<1
1,4 Dichlorobenzene	<1	<1	0%	<1
1,4-Dioxane	<50	<50	0%	<50
2-Hexanone	<5	<5	0%	<5
4-Methyl-2-Pentanone	<5	<5	0%	<5
Acetone	<5	<5	0%	5
Benzene	<1	<1	0%	<1
Bromochloromethane	<1	<1	0%	<1
Bromodichloromethane	<1	<1	0%	<1
Bromoform	<1	<1	0%	<1
Bromomethane	<1	<1	0%	<1
c 1,3 Dichloropropene	<1	<1	0%	<1
Carbon Disulfide	<1	<1	0%	<1
Carbon Tetrachloride	<1	<1	0%	<1
Chlorobenzene	<1	<1	0%	<1
Chloroethane	<1	<1	0%	<1
Chloroform	<1	<1	0%	<1
Chloromethane	<1	<1	0%	<1
cis-1,2-Dichloroethene	<1	<1	0%	<1
Cyclohexane	<1	<1	0%	<1
Cyclohexane, methyl-	<1	<1	0%	<1
Dibromochloromethane	<1	<1	0%	<1
Dibromochloropropane	<1	<1	0%	<1
Dichlorodifluoromethane	<1	<1	0%	<1
Ethylbenzene	<1	<1	0%	<1
Freon 113	<1	<1	0%	<1
Isopropylbenzene	<1	<1	0%	<1
m + p Xylene	<1	<1	0%	<1
Methyl acetate	<5	<5	0%	<5
Methyl Ethyl Ketone	<5	<5	0%	<5
Methylene Chloride	<1	<1	0%	<1
o-Xylene	<1	<1	0%	<1
Styrene	<1	<1	0%	<1
t 1,3 Dichloropropene	<1	<1	0%	<1
t butylmethylether	<1	<1	0%	<1
Tetrachloroethene	1.7	1.5	12.5%	<1
Toluene	<1	<1	0%	<1
Total BTEX	<5	<5	0%	<5
trans-1,2-Dichloroethene	<1	<1	0%	<1
Trichloroethylene	<1	<1	0%	<1
Trichlorofluoromethane	<1	<1	0%	<1
Vinyl Chloride	<1	<1	0%	<1

Table 5

Pride Solvents  
78-88 Lamar Street  
West Babylon, NY  
Spill # 152025



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Relative Percent Difference Analysis (ng/L, ug/L)

TestAmerica, Inc.

Methods: E537(M) & 8270E

Location	Parent Sample	Duplicate Sample	Relative Percent Difference
	ERM-MW-07D	MW-X	
Date Collected	1/14/2021	1/14/2021	
Combined PFOA & PFOS	<3.70	<3.60	0%
2-(N-methyl perfluorooctanesulfonamido) acetic acid	<4.62	<4.49	0%
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	<4.62	<4.49	0%
Perfluorobutanesulfonic Acid (PFBS)	<1.85	<1.80	0%
Perfluorobutyric Acid (PFBA)	<4.62	<4.49	0%
Perfluorodecane Sulfonic Acid	<1.85	<1.80	0%
Perfluorodecanoic Acid (PFDA)	<1.85	<1.80	0%
Perfluorododecanoic Acid (PFDoA)	<1.85	<1.80	0%
Perfluoroheptane Sulfonate (PFHpS)	<1.85	<1.80	0%
Perfluoroheptanoic Acid (PFHpA)	<1.85	<1.80	0%
Perfluorohexanesulfonic Acid (PFHxS)	<1.85	<1.80	0%
Perfluorohexanoic Acid (PFHxA)	<1.85	<1.80	0%
Perfluorononanoic Acid (PFNA)	<1.85	<1.80	0%
Perfluorooctane Sulfonamide (FOSA)	<1.85	<1.80	0%
Perfluorooctanesulfonic Acid (PFOS)	<1.85	<1.80	0%
Perfluorooctanoic Acid (PFOA)	<1.85	<1.80	0%
Perfluoropentanoic Acid (PFPeA)	<b>0.65 J</b>	<b>0.61 J</b>	n/a
Perfluorotetradecanoic Acid (PFTeA)	<1.85	<1.80	0%
Perfluorotridecanoic Acid (PFTriA)	<1.85	<1.80	0%
Perfluoroundecanoic Acid (PFUnA)	<1.85	<1.80	0%
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	<1.85	<1.80	0%
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	<4.62	<4.49	0%
1,4 Dioxane (ug/L)	<0.20	<0.20	0%

J - Indicates an estimated value below laboratory reporting limits.

n/a - not applicable

Method 537 results presented in ng/L. Method 8270 results presented in ug/L.





## Figures

Figure 1: Site Location Map

Figure 2: Monitoring Well Locations



not to scale

modified from 2015, Europa Technologies, Google



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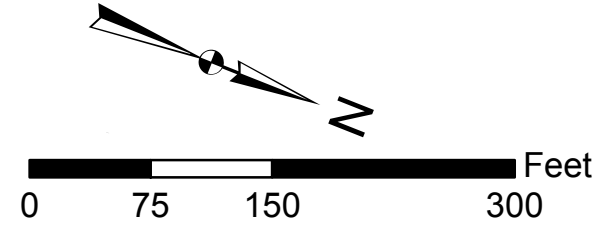
Figure 1  
Site Location Map

Pride Solvents & Chemical Co.  
78-88 Lamar Street  
West Babylon, NY  
Site No. 152025



**Legend**  
 ⊕ Monitoring Well

NOTE: -SM wells are screened in the Magothy Aquifer.  
 All other wells are screened at the interface of the  
 Upper Glacial Aquifer and the Gardiner's Clay.



**Figure 2**  
**Monitoring Well Locations**  
**Pre-Design Investigation Report**  
**Pride Solvents and Chemical Company**  
**West Babylon, New York**



## **Appendix A: Laboratory Analytical Reports**

## ANALYTICAL REPORT

Job Number: 460-226624-1

Job Description: DEC-WESTBABYLON78; Site: 152025

Contract Number: C100700

For:

New York State D.E.C.

625 Broadway

Division of Environmental Remediation

Albany, NY 12233-7014

Attention: Samantha Salotto



Approved for release.  
Jill K Miller  
Senior Project Manager  
1/22/2021 4:14 PM

---

Designee for  
Julie L Gilmore, Project Manager I  
777 New Durham Road, Edison, NJ, 08817  
(484)685-0865  
Julie.Gilmore@Eurofinset.com  
01/22/2021

cc: Mr. Ian Hofmann  
Mr. Greg Mann  
Mrs. Tracy Salvitti

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

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](http://www.testamericainc.com)



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## CASE NARRATIVE

**Client: New York State D.E.C.**

**Project: DEC-WESTBABYLON78; Site: 152025**

**Report Number: 460-226624-1**

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 01/14/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.2 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 ERM-MW-05D (460-226624-1), ERM-MW-06D (460-226624-2), ERM-MW-01D (460-226624-3) and MW-102D (460-226624-4) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 01/19/2021.

The continuing calibration verification (CCV) associated with batch 460-753821 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-753821 recovered outside control limits for the following analytes: 1,4-Dioxane and Methyl acetate. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The following samples were diluted to bring the concentration of target analytes within the calibration range: ERM-MW-05D (460-226624-1) and MW-102D (460-226624-4). Elevated reporting limits (RLs) are provided.

The method blank for analytical batch 460-753821 contained Acetone above the reporting limit (RL). Associated samples were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Acetone was detected in method blank MB 460-753821/11 at a level exceeding the reporting limit. 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.

1,4-Dioxane and Methyl acetate failed the recovery criteria high for LCS 460-753821/4. 1,4-Dioxane and Methyl acetate failed the recovery criteria high for LCSD 460-753821/5. Refer to the QC report for details.

Samples ERM-MW-05D (460-226624-1)[2X] and MW-102D (460-226624-4)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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**

Sample MW-102D (460-226624-4) was 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 and analyzed on 01/17/2021.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

**PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)**

Sample MW-102D (460-226624-4) was analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared and analyzed on 01/21/2021.

Method 537 (modified): The "I" qualifier associated with sample MW-102D (460-226624-4) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

# Sample Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-226624-1	ERM-MW-05D	Water	01/13/21 10:28	01/14/21 18:00	
460-226624-2	ERM-MW-06D	Water	01/13/21 11:01	01/14/21 18:00	
460-226624-3	ERM-MW-01D	Water	01/13/21 11:32	01/14/21 18:00	
460-226624-4	MW-102D	Water	01/13/21 12:26	01/14/21 18:00	

# Detection Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Client Sample ID: ERM-MW-05D

## Lab Sample ID: 460-226624-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.8		2.0	0.53	ug/L	2		8260D	Total/NA
1,1-Dichloroethane	3.2		2.0	0.53	ug/L	2		8260D	Total/NA
1,1,1-Trichloroethane	190		2.0	0.48	ug/L	2		8260D	Total/NA
Trichloroethene	150		2.0	0.63	ug/L	2		8260D	Total/NA
Tetrachloroethene	630		2.0	0.50	ug/L	2		8260D	Total/NA

## Client Sample ID: ERM-MW-06D

## Lab Sample ID: 460-226624-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.4		1.0	0.31	ug/L	1		8260D	Total/NA
Tetrachloroethene	35		1.0	0.25	ug/L	1		8260D	Total/NA

## Client Sample ID: ERM-MW-01D

## Lab Sample ID: 460-226624-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.39	J	1.0	0.24	ug/L	1		8260D	Total/NA
Trichloroethene	0.77	J	1.0	0.31	ug/L	1		8260D	Total/NA
Tetrachloroethene	84		1.0	0.25	ug/L	1		8260D	Total/NA

## Client Sample ID: MW-102D

## Lab Sample ID: 460-226624-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	330	B	250	220	ug/L	50		8260D	Total/NA
1,1-Dichloroethane	35	J	50	13	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene	18	J	50	11	ug/L	50		8260D	Total/NA
1,1,1-Trichloroethane	1000		50	12	ug/L	50		8260D	Total/NA
Trichloroethene	1000		50	16	ug/L	50		8260D	Total/NA
Tetrachloroethene	12000		50	12	ug/L	50		8260D	Total/NA
Toluene	22	J	50	19	ug/L	50		8260D	Total/NA
m-Xylene & p-Xylene	20	J	50	15	ug/L	50		8260D	Total/NA
1,2-Dichlorobenzene	54		50	11	ug/L	50		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	6.34		4.00	0.90	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.80		1.60	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.13		1.60	0.66	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.80		1.60	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.28		1.60	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.67	J	1.60	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.30	J	1.60	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.70		1.60	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.26		1.60	0.70	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

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
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
5030C	Purge and Trap	SW846	TAL EDI

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: ERM-MW-05D**

**Lab Sample ID: 460-226624-1**

**Date Collected: 01/13/21 10:28**

**Matrix: Water**

**Date Received: 01/14/21 18:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	2.0	U	2.0	0.80	ug/L			01/19/21 23:18	2
Bromomethane	2.0	U	2.0	1.1	ug/L			01/19/21 23:18	2
Vinyl chloride	2.0	U	2.0	0.34	ug/L			01/19/21 23:18	2
Chloroethane	2.0	U	2.0	0.64	ug/L			01/19/21 23:18	2
Methylene Chloride	2.0	U	2.0	0.63	ug/L			01/19/21 23:18	2
Acetone	10	U	10	8.8	ug/L			01/19/21 23:18	2
Carbon disulfide	2.0	U	2.0	1.6	ug/L			01/19/21 23:18	2
Trichlorofluoromethane	2.0	U	2.0	0.64	ug/L			01/19/21 23:18	2
<b>1,1-Dichloroethene</b>	<b>3.8</b>		2.0	0.53	ug/L			01/19/21 23:18	2
<b>1,1-Dichloroethane</b>	<b>3.2</b>		2.0	0.53	ug/L			01/19/21 23:18	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.47	ug/L			01/19/21 23:18	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.44	ug/L			01/19/21 23:18	2
Chloroform	2.0	U	2.0	0.65	ug/L			01/19/21 23:18	2
1,2-Dichloroethane	2.0	U	2.0	0.86	ug/L			01/19/21 23:18	2
2-Butanone (MEK)	10	U	10	3.7	ug/L			01/19/21 23:18	2
<b>1,1,1-Trichloroethane</b>	<b>190</b>		2.0	0.48	ug/L			01/19/21 23:18	2
Carbon tetrachloride	2.0	U	2.0	0.42	ug/L			01/19/21 23:18	2
Dichlorobromomethane	2.0	U	2.0	0.69	ug/L			01/19/21 23:18	2
1,2-Dichloropropane	2.0	U	2.0	0.71	ug/L			01/19/21 23:18	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.44	ug/L			01/19/21 23:18	2
<b>Trichloroethene</b>	<b>150</b>		2.0	0.63	ug/L			01/19/21 23:18	2
Chlorodibromomethane	2.0	U	2.0	0.56	ug/L			01/19/21 23:18	2
1,1,2-Trichloroethane	2.0	U	2.0	0.41	ug/L			01/19/21 23:18	2
Benzene	2.0	U	2.0	0.41	ug/L			01/19/21 23:18	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.45	ug/L			01/19/21 23:18	2
Bromoform	2.0	U	2.0	1.1	ug/L			01/19/21 23:18	2
4-Methyl-2-pentanone (MIBK)	10	U	10	2.6	ug/L			01/19/21 23:18	2
2-Hexanone	10	U	10	2.3	ug/L			01/19/21 23:18	2
<b>Tetrachloroethene</b>	<b>630</b>		2.0	0.50	ug/L			01/19/21 23:18	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.73	ug/L			01/19/21 23:18	2
Toluene	2.0	U	2.0	0.76	ug/L			01/19/21 23:18	2
Chlorobenzene	2.0	U	2.0	0.75	ug/L			01/19/21 23:18	2
Ethylbenzene	2.0	U	2.0	0.60	ug/L			01/19/21 23:18	2
Styrene	2.0	U	2.0	0.83	ug/L			01/19/21 23:18	2
m-Xylene & p-Xylene	2.0	U	2.0	0.59	ug/L			01/19/21 23:18	2
o-Xylene	2.0	U	2.0	0.72	ug/L			01/19/21 23:18	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			01/19/21 23:18	2
Methyl tert-butyl ether	2.0	U	2.0	0.43	ug/L			01/19/21 23:18	2
Cyclohexane	2.0	U	2.0	0.64	ug/L			01/19/21 23:18	2
Ethylene Dibromide	2.0	U	2.0	1.0	ug/L			01/19/21 23:18	2
1,3-Dichlorobenzene	2.0	U	2.0	0.68	ug/L			01/19/21 23:18	2
1,4-Dichlorobenzene	2.0	U	2.0	0.67	ug/L			01/19/21 23:18	2
1,2-Dichlorobenzene	2.0	U	2.0	0.42	ug/L			01/19/21 23:18	2
Dichlorodifluoromethane	2.0	U	2.0	0.62	ug/L			01/19/21 23:18	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.73	ug/L			01/19/21 23:18	2
1,4-Dioxane	100	U *	100	56	ug/L			01/19/21 23:18	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.71	ug/L			01/19/21 23:18	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.75	ug/L			01/19/21 23:18	2
Chlorobromomethane	2.0	U	2.0	0.82	ug/L			01/19/21 23:18	2

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: ERM-MW-05D**

**Lab Sample ID: 460-226624-1**

**Date Collected: 01/13/21 10:28**

**Matrix: Water**

**Date Received: 01/14/21 18:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	2.0	U	2.0	0.67	ug/L			01/19/21 23:18	2
Methyl acetate	10	U *	10	1.6	ug/L			01/19/21 23:18	2
Methylcyclohexane	2.0	U	2.0	1.4	ug/L			01/19/21 23:18	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/19/21 23:18	2
Toluene-d8 (Surr)	104		80 - 120		01/19/21 23:18	2
4-Bromofluorobenzene	95		76 - 120		01/19/21 23:18	2
Dibromofluoromethane (Surr)	101		77 - 124		01/19/21 23:18	2

**Client Sample ID: ERM-MW-06D**

**Lab Sample ID: 460-226624-2**

**Date Collected: 01/13/21 11:01**

**Matrix: Water**

**Date Received: 01/14/21 18:00**

**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			01/19/21 22:29	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/19/21 22:29	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/19/21 22:29	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/19/21 22:29	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/19/21 22:29	1
Acetone	5.0	U	5.0	4.4	ug/L			01/19/21 22:29	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/19/21 22:29	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/19/21 22:29	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/19/21 22:29	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/19/21 22:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/19/21 22:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/19/21 22:29	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/19/21 22:29	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/19/21 22:29	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/19/21 22:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/19/21 22:29	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/19/21 22:29	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/19/21 22:29	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/19/21 22:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/19/21 22:29	1
<b>Trichloroethene</b>	<b>1.4</b>		1.0	0.31	ug/L			01/19/21 22:29	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/19/21 22:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/19/21 22:29	1
Benzene	1.0	U	1.0	0.20	ug/L			01/19/21 22:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/19/21 22:29	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/19/21 22:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/19/21 22:29	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/19/21 22:29	1
<b>Tetrachloroethene</b>	<b>35</b>		1.0	0.25	ug/L			01/19/21 22:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/19/21 22:29	1
Toluene	1.0	U	1.0	0.38	ug/L			01/19/21 22:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/19/21 22:29	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/19/21 22:29	1
Styrene	1.0	U	1.0	0.42	ug/L			01/19/21 22:29	1

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: ERM-MW-06D**

**Lab Sample ID: 460-226624-2**

Date Collected: 01/13/21 11:01

Matrix: Water

Date Received: 01/14/21 18:00

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/19/21 22:29	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/19/21 22:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/19/21 22:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/19/21 22:29	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/19/21 22:29	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/19/21 22:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/19/21 22:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/19/21 22:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/19/21 22:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/19/21 22:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/19/21 22:29	1
1,4-Dioxane	50	U *	50	28	ug/L			01/19/21 22:29	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/19/21 22:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/19/21 22:29	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/19/21 22:29	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/19/21 22:29	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/19/21 22:29	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/19/21 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/19/21 22:29	1
Toluene-d8 (Surr)	104		80 - 120		01/19/21 22:29	1
4-Bromofluorobenzene	98		76 - 120		01/19/21 22:29	1
Dibromofluoromethane (Surr)	101		77 - 124		01/19/21 22:29	1

**Client Sample ID: ERM-MW-01D**

**Lab Sample ID: 460-226624-3**

Date Collected: 01/13/21 11:32

Matrix: Water

Date Received: 01/14/21 18:00

**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			01/19/21 22:53	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/19/21 22:53	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/19/21 22:53	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/19/21 22:53	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/19/21 22:53	1
Acetone	5.0	U	5.0	4.4	ug/L			01/19/21 22:53	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/19/21 22:53	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/19/21 22:53	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/19/21 22:53	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/19/21 22:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/19/21 22:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/19/21 22:53	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/19/21 22:53	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/19/21 22:53	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/19/21 22:53	1
<b>1,1,1-Trichloroethane</b>	<b>0.39</b>	<b>J</b>	1.0	0.24	ug/L			01/19/21 22:53	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/19/21 22:53	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/19/21 22:53	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/19/21 22:53	1



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: ERM-MW-01D**

**Lab Sample ID: 460-226624-3**

Date Collected: 01/13/21 11:32

Matrix: Water

Date Received: 01/14/21 18:00

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/19/21 22:53	1
<b>Trichloroethene</b>	<b>0.77</b>	<b>J</b>	1.0	0.31	ug/L			01/19/21 22:53	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/19/21 22:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/19/21 22:53	1
Benzene	1.0	U	1.0	0.20	ug/L			01/19/21 22:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/19/21 22:53	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/19/21 22:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/19/21 22:53	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/19/21 22:53	1
<b>Tetrachloroethene</b>	<b>84</b>		1.0	0.25	ug/L			01/19/21 22:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/19/21 22:53	1
Toluene	1.0	U	1.0	0.38	ug/L			01/19/21 22:53	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/19/21 22:53	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/19/21 22:53	1
Styrene	1.0	U	1.0	0.42	ug/L			01/19/21 22:53	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/19/21 22:53	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/19/21 22:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/19/21 22:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/19/21 22:53	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/19/21 22:53	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/19/21 22:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/19/21 22:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/19/21 22:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/19/21 22:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/19/21 22:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/19/21 22:53	1
1,4-Dioxane	50	U *	50	28	ug/L			01/19/21 22:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/19/21 22:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/19/21 22:53	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/19/21 22:53	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/19/21 22:53	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/19/21 22:53	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/19/21 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/19/21 22:53	1
Toluene-d8 (Surr)	103		80 - 120		01/19/21 22:53	1
4-Bromofluorobenzene	94		76 - 120		01/19/21 22:53	1
Dibromofluoromethane (Surr)	100		77 - 124		01/19/21 22:53	1

**Client Sample ID: MW-102D**

**Lab Sample ID: 460-226624-4**

Date Collected: 01/13/21 12:26

Matrix: Water

Date Received: 01/14/21 18:00

**Method: 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	50	U	50	20	ug/L			01/19/21 23:43	50
Bromomethane	50	U	50	28	ug/L			01/19/21 23:43	50
Vinyl chloride	50	U	50	8.6	ug/L			01/19/21 23:43	50
Chloroethane	50	U	50	16	ug/L			01/19/21 23:43	50

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: MW-102D**

**Lab Sample ID: 460-226624-4**

**Date Collected: 01/13/21 12:26**

**Matrix: Water**

**Date Received: 01/14/21 18:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	50	U	50	16	ug/L			01/19/21 23:43	50
<b>Acetone</b>	<b>330</b>	<b>B</b>	250	220	ug/L			01/19/21 23:43	50
Carbon disulfide	50	U	50	41	ug/L			01/19/21 23:43	50
Trichlorofluoromethane	50	U	50	16	ug/L			01/19/21 23:43	50
1,1-Dichloroethene	50	U	50	13	ug/L			01/19/21 23:43	50
<b>1,1-Dichloroethane</b>	<b>35</b>	<b>J</b>	50	13	ug/L			01/19/21 23:43	50
trans-1,2-Dichloroethene	50	U	50	12	ug/L			01/19/21 23:43	50
<b>cis-1,2-Dichloroethene</b>	<b>18</b>	<b>J</b>	50	11	ug/L			01/19/21 23:43	50
Chloroform	50	U	50	16	ug/L			01/19/21 23:43	50
1,2-Dichloroethane	50	U	50	22	ug/L			01/19/21 23:43	50
2-Butanone (MEK)	250	U	250	93	ug/L			01/19/21 23:43	50
<b>1,1,1-Trichloroethane</b>	<b>1000</b>		50	12	ug/L			01/19/21 23:43	50
Carbon tetrachloride	50	U	50	10	ug/L			01/19/21 23:43	50
Dichlorobromomethane	50	U	50	17	ug/L			01/19/21 23:43	50
1,2-Dichloropropane	50	U	50	18	ug/L			01/19/21 23:43	50
cis-1,3-Dichloropropene	50	U	50	11	ug/L			01/19/21 23:43	50
<b>Trichloroethene</b>	<b>1000</b>		50	16	ug/L			01/19/21 23:43	50
Chlorodibromomethane	50	U	50	14	ug/L			01/19/21 23:43	50
1,1,2-Trichloroethane	50	U	50	10	ug/L			01/19/21 23:43	50
Benzene	50	U	50	10	ug/L			01/19/21 23:43	50
trans-1,3-Dichloropropene	50	U	50	11	ug/L			01/19/21 23:43	50
Bromoform	50	U	50	27	ug/L			01/19/21 23:43	50
4-Methyl-2-pentanone (MIBK)	250	U	250	65	ug/L			01/19/21 23:43	50
2-Hexanone	250	U	250	57	ug/L			01/19/21 23:43	50
<b>Tetrachloroethene</b>	<b>12000</b>		50	12	ug/L			01/19/21 23:43	50
1,1,2,2-Tetrachloroethane	50	U	50	18	ug/L			01/19/21 23:43	50
<b>Toluene</b>	<b>22</b>	<b>J</b>	50	19	ug/L			01/19/21 23:43	50
Chlorobenzene	50	U	50	19	ug/L			01/19/21 23:43	50
Ethylbenzene	50	U	50	15	ug/L			01/19/21 23:43	50
Styrene	50	U	50	21	ug/L			01/19/21 23:43	50
<b>m-Xylene &amp; p-Xylene</b>	<b>20</b>	<b>J</b>	50	15	ug/L			01/19/21 23:43	50
o-Xylene	50	U	50	18	ug/L			01/19/21 23:43	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	16	ug/L			01/19/21 23:43	50
Methyl tert-butyl ether	50	U	50	11	ug/L			01/19/21 23:43	50
Cyclohexane	50	U	50	16	ug/L			01/19/21 23:43	50
Ethylene Dibromide	50	U	50	25	ug/L			01/19/21 23:43	50
1,3-Dichlorobenzene	50	U	50	17	ug/L			01/19/21 23:43	50
1,4-Dichlorobenzene	50	U	50	17	ug/L			01/19/21 23:43	50
<b>1,2-Dichlorobenzene</b>	<b>54</b>		50	11	ug/L			01/19/21 23:43	50
Dichlorodifluoromethane	50	U	50	16	ug/L			01/19/21 23:43	50
1,2,4-Trichlorobenzene	50	U	50	18	ug/L			01/19/21 23:43	50
1,4-Dioxane	2500	U *	2500	1400	ug/L			01/19/21 23:43	50
1,2,3-Trichlorobenzene	50	U	50	18	ug/L			01/19/21 23:43	50
1,2-Dibromo-3-Chloropropane	50	U	50	19	ug/L			01/19/21 23:43	50
Chlorobromomethane	50	U	50	21	ug/L			01/19/21 23:43	50
Isopropylbenzene	50	U	50	17	ug/L			01/19/21 23:43	50
Methyl acetate	250	U *	250	39	ug/L			01/19/21 23:43	50
Methylcyclohexane	50	U	50	35	ug/L			01/19/21 23:43	50

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: MW-102D**

**Lab Sample ID: 460-226624-4**

**Date Collected: 01/13/21 12:26**

**Matrix: Water**

**Date Received: 01/14/21 18:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 123		01/19/21 23:43	50
Toluene-d8 (Surr)	105		80 - 120		01/19/21 23:43	50
4-Bromofluorobenzene	95		76 - 120		01/19/21 23:43	50
Dibromofluoromethane (Surr)	102		77 - 124		01/19/21 23:43	50

**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		01/17/21 08:46	01/17/21 21:56	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,4-Dioxane-d8	46		10 - 150				01/17/21 08:46	01/17/21 21:56	1

**Method: 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>6.34</b>		4.00	0.90	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>4.80</b>		1.60	0.86	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>4.13</b>		1.60	0.66	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>3.80</b>		1.60	0.37	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>9.28</b>		1.60	0.78	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>0.67 J</b>		1.60	0.46	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluorodecanoic acid (PFDA)	1.60	U	1.60	0.37	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluoroundecanoic acid (PFUnA)	1.60	U	1.60	0.58	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluorododecanoic acid (PFDoA)	1.60	U	1.60	0.37	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluorotridecanoic acid (PFTriA)	1.60	U	1.60	0.34	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluorotetradecanoic acid (PFTeA)	1.60	U	1.60	0.47	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>1.30 J</b>		1.60	0.50	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>1.70</b>		1.60	0.54	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.60	U	1.60	0.31	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>2.26</b>		1.60	0.70	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluorodecanesulfonic acid (PFDS)	1.60	U	1.60	0.38	ng/L		01/21/21 14:00	01/21/21 22:11	1
Perfluorooctanesulfonamide (FOSA)	1.60	U	1.60	0.46	ng/L		01/21/21 14:00	01/21/21 22:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	U	4.00	0.63	ng/L		01/21/21 14:00	01/21/21 22:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	U	4.00	0.74	ng/L		01/21/21 14:00	01/21/21 22:11	1
6:2 FTS	4.00	U	4.00	0.58	ng/L		01/21/21 14:00	01/21/21 22:11	1
8:2 FTS	1.60	U	1.60	0.53	ng/L		01/21/21 14:00	01/21/21 22:11	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C8 FOSA	89		25 - 150				01/21/21 14:00	01/21/21 22:11	1
13C4 PFBA	87		25 - 150				01/21/21 14:00	01/21/21 22:11	1
13C5 PFPeA	100		25 - 150				01/21/21 14:00	01/21/21 22:11	1
13C2 PFHxA	102		50 - 150				01/21/21 14:00	01/21/21 22:11	1
13C4 PFHpA	102		50 - 150				01/21/21 14:00	01/21/21 22:11	1
13C4 PFOA	101		50 - 150				01/21/21 14:00	01/21/21 22:11	1
13C5 PFNA	104		50 - 150				01/21/21 14:00	01/21/21 22:11	1
13C2 PFDA	102		50 - 150				01/21/21 14:00	01/21/21 22:11	1
13C2 PFUnA	91		50 - 150				01/21/21 14:00	01/21/21 22:11	1
13C2 PFDoA	85		50 - 150				01/21/21 14:00	01/21/21 22:11	1

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

**Client Sample ID: MW-102D**

**Lab Sample ID: 460-226624-4**

**Date Collected: 01/13/21 12:26**

**Matrix: Water**

**Date Received: 01/14/21 18:00**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	79		50 - 150	01/21/21 14:00	01/21/21 22:11	1
13C3 PFBS	96		50 - 150	01/21/21 14:00	01/21/21 22:11	1
18O2 PFHxS	99		50 - 150	01/21/21 14:00	01/21/21 22:11	1
13C4 PFOS	105		50 - 150	01/21/21 14:00	01/21/21 22:11	1
d3-NMeFOSAA	85		50 - 150	01/21/21 14:00	01/21/21 22:11	1
d5-NEtFOSAA	84		50 - 150	01/21/21 14:00	01/21/21 22:11	1
M2-6:2 FTS	104		25 - 150	01/21/21 14:00	01/21/21 22:11	1
M2-8:2 FTS	103		25 - 150	01/21/21 14:00	01/21/21 22:11	1

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-123)	TOL (80-120)	BFB (76-120)	DBFM (77-124)
460-226624-1	ERM-MW-05D	100	104	95	101
460-226624-2	ERM-MW-06D	100	104	98	101
460-226624-3	ERM-MW-01D	100	103	94	100
460-226624-4	MW-102D	99	105	95	102
LCS 460-753821/4	Lab Control Sample	100	104	95	99
LCSD 460-753821/5	Lab Control Sample Dup	99	102	96	99
MB 460-753821/11	Method Blank	100	105	95	101

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

# Isotope Dilution Summary

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## 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)
460-226624-4	MW-102D	46
MB 460-753305/1-A	Method Blank	46

**Surrogate Legend**

DXE = 1,4-Dioxane-d8

## 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 (10-200)
LCS 460-753305/2-A	Lab Control Sample	50
LCS 460-753305/3-A	Lab Control Sample Dup	40

**Surrogate Legend**

DXE = 1,4-Dioxane-d8

## Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFOSA (25-150)	PFBA (25-150)	PFPeA (25-150)	PFHxA (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFNA (50-150)	PFDA (50-150)
460-226624-4	MW-102D	89	87	100	102	102	101	104	102
LCS 200-163122/2-A	Lab Control Sample	73	100	104	107	104	105	108	107
MB 200-163122/1-A	Method Blank	76	101	103	104	103	103	102	102

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFOA (50-150)	PFDoA (50-150)	PFTDA (50-150)	C3PFBS (50-150)	PFHxS (50-150)	PFOS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
460-226624-4	MW-102D	91	85	79	96	99	105	85	84
LCS 200-163122/2-A	Lab Control Sample	99	84	76	99	101	101	93	77
MB 200-163122/1-A	Method Blank	87	83	81	103	98	99	91	77

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M262FTS (25-150)	M282FTS (25-150)
460-226624-4	MW-102D	104	103
LCS 200-163122/2-A	Lab Control Sample	100	106
MB 200-163122/1-A	Method Blank	100	99

**Surrogate Legend**

PFOSA = 13C8 FOSA  
 PFBA = 13C4 PFBA  
 PFPeA = 13C5 PFPeA  
 PFHxA = 13C2 PFHxA  
 C4PFHA = 13C4 PFHpA  
 PFOA = 13C4 PFOA  
 PFNA = 13C5 PFNA  
 PFDA = 13C2 PFDA  
 PFOA = 13C4 PFOA  
 PFUnA = 13C2 PFUnA  
 PFDoA = 13C2 PFDoA

# Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 460-226624-1

Project/Site: DEC-WESTBABYLON78; Site: 152025

PFTDA = 13C2 PFTeDA

C3PFBS = 13C3 PFBS

PFHxS = 18O2 PFHxS

PFOS = 13C4 PFOS

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 460-753821/11**

**Matrix: Water**

**Analysis Batch: 753821**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	1.0	U	1.0	0.40	ug/L			01/19/21 21:40	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/19/21 21:40	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/19/21 21:40	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/19/21 21:40	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/19/21 21:40	1
Acetone	6.72		5.0	4.4	ug/L			01/19/21 21:40	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/19/21 21:40	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/19/21 21:40	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/19/21 21:40	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/19/21 21:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/19/21 21:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/19/21 21:40	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/19/21 21:40	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/19/21 21:40	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/19/21 21:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/19/21 21:40	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/19/21 21:40	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/19/21 21:40	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/19/21 21:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/19/21 21:40	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/19/21 21:40	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/19/21 21:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/19/21 21:40	1
Benzene	1.0	U	1.0	0.20	ug/L			01/19/21 21:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/19/21 21:40	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/19/21 21:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/19/21 21:40	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/19/21 21:40	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/19/21 21:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/19/21 21:40	1
Toluene	1.0	U	1.0	0.38	ug/L			01/19/21 21:40	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/19/21 21:40	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/19/21 21:40	1
Styrene	1.0	U	1.0	0.42	ug/L			01/19/21 21:40	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/19/21 21:40	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/19/21 21:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/19/21 21:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/19/21 21:40	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/19/21 21:40	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/19/21 21:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/19/21 21:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/19/21 21:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/19/21 21:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/19/21 21:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/19/21 21:40	1
1,4-Dioxane	50	U	50	28	ug/L			01/19/21 21:40	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/19/21 21:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/19/21 21:40	1



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 460-753821/11**  
**Matrix: Water**  
**Analysis Batch: 753821**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/19/21 21:40	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/19/21 21:40	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			01/19/21 21:40	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/19/21 21:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/19/21 21:40	1
Toluene-d8 (Surr)	105		80 - 120		01/19/21 21:40	1
4-Bromofluorobenzene	95		76 - 120		01/19/21 21:40	1
Dibromofluoromethane (Surr)	101		77 - 124		01/19/21 21:40	1

**Lab Sample ID: LCS 460-753821/4**  
**Matrix: Water**  
**Analysis Batch: 753821**

**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	24.3		ug/L		121	38 - 150
Bromomethane	20.0	19.8		ug/L		99	10 - 150
Vinyl chloride	20.0	23.4		ug/L		117	61 - 144
Chloroethane	20.0	20.7		ug/L		104	29 - 150
Methylene Chloride	20.0	21.7		ug/L		108	74 - 127
Acetone	100	106		ug/L		106	61 - 134
Carbon disulfide	20.0	23.2		ug/L		116	64 - 138
Trichlorofluoromethane	20.0	20.8		ug/L		104	61 - 140
1,1-Dichloroethene	20.0	21.5		ug/L		107	68 - 133
1,1-Dichloroethane	20.0	23.5		ug/L		117	73 - 130
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	74 - 126
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	78 - 121
Chloroform	20.0	21.9		ug/L		110	78 - 125
1,2-Dichloroethane	20.0	22.2		ug/L		111	75 - 121
2-Butanone (MEK)	100	91.5		ug/L		92	69 - 128
1,1,1-Trichloroethane	20.0	21.3		ug/L		107	68 - 128
Carbon tetrachloride	20.0	21.9		ug/L		109	56 - 131
Dichlorobromomethane	20.0	21.4		ug/L		107	72 - 121
1,2-Dichloropropane	20.0	24.0		ug/L		120	76 - 126
cis-1,3-Dichloropropene	20.0	23.0		ug/L		115	74 - 125
Trichloroethene	20.0	21.7		ug/L		109	71 - 121
Chlorodibromomethane	20.0	21.1		ug/L		106	58 - 130
1,1,2-Trichloroethane	20.0	23.6		ug/L		118	74 - 125
Benzene	20.0	23.8		ug/L		119	78 - 126
trans-1,3-Dichloropropene	20.0	22.7		ug/L		113	66 - 127
Bromoform	20.0	19.9		ug/L		99	38 - 144
4-Methyl-2-pentanone (MIBK)	100	95.7		ug/L		96	78 - 125
2-Hexanone	100	92.5		ug/L		93	74 - 127
Tetrachloroethene	20.0	21.8		ug/L		109	70 - 127
1,1,2,2-Tetrachloroethane	20.0	23.6		ug/L		118	63 - 139
Toluene	20.0	22.0		ug/L		110	78 - 119
Chlorobenzene	20.0	21.4		ug/L		107	80 - 119

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 460-753821/4**  
**Matrix: Water**  
**Analysis Batch: 753821**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	20.0	22.1		ug/L		111	78 - 120
Styrene	20.0	21.7		ug/L		108	75 - 127
m-Xylene & p-Xylene	20.0	22.6		ug/L		113	78 - 123
o-Xylene	20.0	22.0		ug/L		110	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.8		ug/L		114	59 - 142
Methyl tert-butyl ether	20.0	21.7		ug/L		108	65 - 131
Cyclohexane	20.0	23.0		ug/L		115	67 - 133
Ethylene Dibromide	20.0	21.2		ug/L		106	69 - 126
1,3-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 121
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 118
1,2-Dichlorobenzene	20.0	22.2		ug/L		111	79 - 122
Dichlorodifluoromethane	20.0	20.3		ug/L		102	31 - 150
1,2,4-Trichlorobenzene	20.0	22.2		ug/L		111	64 - 132
1,4-Dioxane	400	602	*	ug/L		151	70 - 142
1,2,3-Trichlorobenzene	20.0	22.9		ug/L		115	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	20.4		ug/L		102	41 - 143
Chlorobromomethane	20.0	21.0		ug/L		105	73 - 126
Isopropylbenzene	20.0	22.3		ug/L		111	79 - 125
Methyl acetate	40.0	52.6	*	ug/L		131	70 - 127
Methylcyclohexane	20.0	23.8		ug/L		119	60 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		75 - 123
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene	95		76 - 120
Dibromofluoromethane (Surr)	99		77 - 124

**Lab Sample ID: LCSD 460-753821/5**  
**Matrix: Water**  
**Analysis Batch: 753821**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	21.5		ug/L		107	38 - 150	12	30
Bromomethane	20.0	18.5		ug/L		93	10 - 150	6	30
Vinyl chloride	20.0	21.5		ug/L		108	61 - 144	8	30
Chloroethane	20.0	19.4		ug/L		97	29 - 150	7	30
Methylene Chloride	20.0	21.3		ug/L		106	74 - 127	2	30
Acetone	100	91.9		ug/L		92	61 - 134	14	30
Carbon disulfide	20.0	22.5		ug/L		113	64 - 138	3	30
Trichlorofluoromethane	20.0	19.7		ug/L		99	61 - 140	5	30
1,1-Dichloroethene	20.0	20.4		ug/L		102	68 - 133	5	30
1,1-Dichloroethane	20.0	22.2		ug/L		111	73 - 130	6	30
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	74 - 126	3	30
cis-1,2-Dichloroethene	20.0	21.1		ug/L		106	78 - 121	4	30
Chloroform	20.0	21.0		ug/L		105	78 - 125	4	30
1,2-Dichloroethane	20.0	21.3		ug/L		106	75 - 121	4	30
2-Butanone (MEK)	100	90.5		ug/L		90	69 - 128	1	30
1,1,1-Trichloroethane	20.0	20.4		ug/L		102	68 - 128	4	30

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 460-753821/5**  
**Matrix: Water**  
**Analysis Batch: 753821**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	20.0	20.5		ug/L		102	56 - 131	7	30
Dichlorobromomethane	20.0	20.3		ug/L		101	72 - 121	5	30
1,2-Dichloropropane	20.0	22.3		ug/L		112	76 - 126	7	30
cis-1,3-Dichloropropene	20.0	22.2		ug/L		111	74 - 125	3	30
Trichloroethene	20.0	21.1		ug/L		105	71 - 121	3	30
Chlorodibromomethane	20.0	20.6		ug/L		103	58 - 130	3	30
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	74 - 125	6	30
Benzene	20.0	22.5		ug/L		112	78 - 126	6	30
trans-1,3-Dichloropropene	20.0	21.9		ug/L		110	66 - 127	3	30
Bromoform	20.0	19.3		ug/L		96	38 - 144	3	30
4-Methyl-2-pentanone (MIBK)	100	96.1		ug/L		96	78 - 125	0	30
2-Hexanone	100	93.0		ug/L		93	74 - 127	0	30
Tetrachloroethene	20.0	20.8		ug/L		104	70 - 127	5	30
1,1,2,2-Tetrachloroethane	20.0	22.8		ug/L		114	63 - 139	3	30
Toluene	20.0	20.9		ug/L		104	78 - 119	5	30
Chlorobenzene	20.0	20.7		ug/L		104	80 - 119	3	30
Ethylbenzene	20.0	21.0		ug/L		105	78 - 120	5	30
Styrene	20.0	20.9		ug/L		105	75 - 127	3	30
m-Xylene & p-Xylene	20.0	21.5		ug/L		107	78 - 123	5	30
o-Xylene	20.0	20.9		ug/L		104	78 - 122	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2		ug/L		106	59 - 142	7	30
Methyl tert-butyl ether	20.0	21.2		ug/L		106	65 - 131	2	30
Cyclohexane	20.0	22.0		ug/L		110	67 - 133	5	30
Ethylene Dibromide	20.0	20.2		ug/L		101	69 - 126	5	30
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 121	2	30
1,4-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 118	3	30
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	79 - 122	3	30
Dichlorodifluoromethane	20.0	18.7		ug/L		94	31 - 150	8	30
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	64 - 132	3	30
1,4-Dioxane	400	621 *		ug/L		155	70 - 142	3	30
1,2,3-Trichlorobenzene	20.0	22.1		ug/L		111	53 - 144	3	30
1,2-Dibromo-3-Chloropropane	20.0	21.0		ug/L		105	41 - 143	3	30
Chlorobromomethane	20.0	20.2		ug/L		101	73 - 126	4	30
Isopropylbenzene	20.0	21.4		ug/L		107	79 - 125	4	30
Methyl acetate	40.0	53.3 *		ug/L		133	70 - 127	1	30
Methylcyclohexane	20.0	22.5		ug/L		112	60 - 139	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		75 - 123
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene	96		76 - 120
Dibromofluoromethane (Surr)	99		77 - 124

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Lab Sample ID: MB 460-753305/1-A**  
**Matrix: Water**  
**Analysis Batch: 753359**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 753305**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		01/17/21 08:46	01/17/21 16:35	1
Isotope Dilution		MB MB	Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
1,4-Dioxane-d8	46		10 - 150			01/17/21 08:46	01/17/21 16:35	1	

**Lab Sample ID: LCS 460-753305/2-A**  
**Matrix: Water**  
**Analysis Batch: 753359**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753305**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,4-Dioxane	1.60	1.24		ug/L		77	10 - 200
Isotope Dilution		LCS LCS	Limits			%Rec. Limits	
	%Recovery	Qualifier					
1,4-Dioxane-d8	50		10 - 200				

**Lab Sample ID: LCSD 460-753305/3-A**  
**Matrix: Water**  
**Analysis Batch: 753359**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 753305**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
1,4-Dioxane	1.60	1.31		ug/L		82	10 - 200	5	50
Isotope Dilution		LCSD LCSD	Limits			%Rec. Limits			
	%Recovery	Qualifier							
1,4-Dioxane-d8	40		10 - 200						

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 200-163122/1-A**  
**Matrix: Water**  
**Analysis Batch: 163183**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 163122**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	5.00	U	5.00	1.13	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	1.08	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.83	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.46	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.98	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.58	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.46	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.73	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.46	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorotridecanoic acid (PFTriA)	2.00	U	2.00	0.43	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorotetradecanoic acid (PFTeA)	2.00	U	2.00	0.59	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.63	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.67	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.00	U	2.00	0.39	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.87	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.48	ng/L		01/21/21 14:00	01/21/21 21:13	1
Perfluorooctanesulfonamide (FOSA)	2.00	U	2.00	0.57	ng/L		01/21/21 14:00	01/21/21 21:13	1

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 200-163122/1-A**  
**Matrix: Water**  
**Analysis Batch: 163183**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 163122**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.00	U	5.00	0.79	ng/L		01/21/21 14:00	01/21/21 21:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.00	U	5.00	0.93	ng/L		01/21/21 14:00	01/21/21 21:13	1
6:2 FTS	5.00	U	5.00	0.72	ng/L		01/21/21 14:00	01/21/21 21:13	1
8:2 FTS	2.00	U	2.00	0.66	ng/L		01/21/21 14:00	01/21/21 21:13	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C8 FOSA	76		25 - 150				01/21/21 14:00	01/21/21 21:13	1
13C4 PFBA	101		25 - 150				01/21/21 14:00	01/21/21 21:13	1
13C5 PFPeA	103		25 - 150				01/21/21 14:00	01/21/21 21:13	1
13C2 PFHxA	104		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C4 PFHpA	103		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C4 PFOA	103		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C5 PFNA	102		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C2 PFDA	102		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C2 PFUnA	87		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C2 PFDoA	83		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C2 PFTeDA	81		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C3 PFBS	103		50 - 150				01/21/21 14:00	01/21/21 21:13	1
18O2 PFHxS	98		50 - 150				01/21/21 14:00	01/21/21 21:13	1
13C4 PFOS	99		50 - 150				01/21/21 14:00	01/21/21 21:13	1
d3-NMeFOSAA	91		50 - 150				01/21/21 14:00	01/21/21 21:13	1
d5-NEtFOSAA	77		50 - 150				01/21/21 14:00	01/21/21 21:13	1
M2-6:2 FTS	100		25 - 150				01/21/21 14:00	01/21/21 21:13	1
M2-8:2 FTS	99		25 - 150				01/21/21 14:00	01/21/21 21:13	1

**Lab Sample ID: LCS 200-163122/2-A**  
**Matrix: Water**  
**Analysis Batch: 163183**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 163122**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	38.01		ng/L		95	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	37.14		ng/L		93	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	37.89		ng/L		95	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	38.08		ng/L		95	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	38.38		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	40.0	37.31		ng/L		93	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	37.27		ng/L		93	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	39.81		ng/L		100	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	34.33		ng/L		86	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	36.87		ng/L		92	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	42.17		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	33.37		ng/L		94	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.55		ng/L		98	70 - 130

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 200-163122/2-A**

**Matrix: Water**

**Analysis Batch: 163183**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 163122**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.35		ng/L		98	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	37.11		ng/L		100	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	32.62		ng/L		85	50 - 150
Perfluorooctanesulfonamide (FOSA)	40.0	33.83		ng/L		85	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.74		ng/L		94	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.02		ng/L		98	70 - 130
6:2 FTS	37.9	33.29		ng/L		88	50 - 150
8:2 FTS	38.3	32.80		ng/L		86	50 - 150

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C8 FOSA	73		25 - 150
13C4 PFBA	100		25 - 150
13C5 PFPeA	104		25 - 150
13C2 PFHxA	107		50 - 150
13C4 PFHpA	104		50 - 150
13C4 PFOA	105		50 - 150
13C5 PFNA	108		50 - 150
13C2 PFDA	107		50 - 150
13C2 PFUnA	99		50 - 150
13C2 PFDoA	84		50 - 150
13C2 PFTeDA	76		50 - 150
13C3 PFBS	99		50 - 150
18O2 PFHxS	101		50 - 150
13C4 PFOS	101		50 - 150
d3-NMeFOSAA	93		50 - 150
d5-NEtFOSAA	77		50 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	106		25 - 150

# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.

### GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

### LCMS

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.
α	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

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## GC/MS VOA

### Analysis Batch: 753821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226624-1	ERM-MW-05D	Total/NA	Water	8260D	
460-226624-2	ERM-MW-06D	Total/NA	Water	8260D	
460-226624-3	ERM-MW-01D	Total/NA	Water	8260D	
460-226624-4	MW-102D	Total/NA	Water	8260D	
MB 460-753821/11	Method Blank	Total/NA	Water	8260D	
LCS 460-753821/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-753821/5	Lab Control Sample Dup	Total/NA	Water	8260D	

## GC/MS Semi VOA

### Prep Batch: 753305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226624-4	MW-102D	Total/NA	Water	3510C	
MB 460-753305/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-753305/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-753305/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 753359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226624-4	MW-102D	Total/NA	Water	8270E SIM ID	753305
MB 460-753305/1-A	Method Blank	Total/NA	Water	8270E SIM ID	753305
LCS 460-753305/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	753305
LCSD 460-753305/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	753305

## LCMS

### Prep Batch: 163122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226624-4	MW-102D	Total/NA	Water	3535	
MB 200-163122/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-163122/2-A	Lab Control Sample	Total/NA	Water	3535	

### Analysis Batch: 163183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226624-4	MW-102D	Total/NA	Water	537 (modified)	163122
MB 200-163122/1-A	Method Blank	Total/NA	Water	537 (modified)	163122
LCS 200-163122/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	163122



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Client Sample ID: ERM-MW-05D

Lab Sample ID: 460-226624-1

Date Collected: 01/13/21 10:28

Matrix: Water

Date Received: 01/14/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	753821	01/19/21 23:18	GXY	TAL EDI

## Client Sample ID: ERM-MW-06D

Lab Sample ID: 460-226624-2

Date Collected: 01/13/21 11:01

Matrix: Water

Date Received: 01/14/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	753821	01/19/21 22:29	GXY	TAL EDI

## Client Sample ID: ERM-MW-01D

Lab Sample ID: 460-226624-3

Date Collected: 01/13/21 11:32

Matrix: Water

Date Received: 01/14/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	753821	01/19/21 22:53	GXY	TAL EDI

## Client Sample ID: MW-102D

Lab Sample ID: 460-226624-4

Date Collected: 01/13/21 12:26

Matrix: Water

Date Received: 01/14/21 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	753821	01/19/21 23:43	GXY	TAL EDI
Total/NA	Prep	3510C			753305	01/17/21 08:46	DXD	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	753359	01/17/21 21:56	YAH	TAL EDI
Total/NA	Prep	3535			163122	01/21/21 14:00	HCK	TAL BUR
Total/NA	Analysis	537 (modified)		1	163183	01/21/21 22:11	ND	TAL BUR

### Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

# Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226624-1

## Laboratory: Eurofins TestAmerica, Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20 *
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	04-01-21
Pennsylvania	NELAP	68-00522	02-28-21
USDA	US Federal Programs	P330-20-00244	11-03-23

## Laboratory: Eurofins TestAmerica, Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-16-21
Florida	NELAP	E87467	06-30-21
Minnesota	NELAP	050-999-436	12-31-21
New Hampshire	NELAP	2006	12-18-21
New Jersey	NELAP	VT972	06-30-21
New York	NELAP	10391	04-01-21
Pennsylvania	NELAP	68-00489	04-30-21
Rhode Island	State	LAO00298	12-30-20 *
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-21
Wisconsin	State	399133350	08-31-21

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# 8260D

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Volatile Organic Compounds by GC/MS

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

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 #
ERM-MW-05D	460-226624-1	101	100	104	95
ERM-MW-06D	460-226624-2	101	100	104	98
ERM-MW-01D	460-226624-3	100	100	103	94
MW-102D	460-226624-4	102	99	105	95
	MB 460-753821/11	101	100	105	95
	LCS 460-753821/4	99	100	104	95
	LCSD 460-753821/5	99	99	102	96

DBFM = Dibromofluoromethane (Surr)  
DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene

QC LIMITS  
77-124  
75-123  
80-120  
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.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: F09732.D

Lab ID: LCS 460-753821/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	24.3	121	38-150	
Bromomethane	20.0	19.8	99	10-150	
Vinyl chloride	20.0	23.4	117	61-144	
Chloroethane	20.0	20.7	104	29-150	
Methylene Chloride	20.0	21.7	108	74-127	
Acetone	100	106	106	61-134	
Carbon disulfide	20.0	23.2	116	64-138	
Trichlorofluoromethane	20.0	20.8	104	61-140	
1,1-Dichloroethene	20.0	21.5	107	68-133	
1,1-Dichloroethane	20.0	23.5	117	73-130	
trans-1,2-Dichloroethene	20.0	21.6	108	74-126	
cis-1,2-Dichloroethene	20.0	22.1	110	78-121	
Chloroform	20.0	21.9	110	78-125	
1,2-Dichloroethane	20.0	22.2	111	75-121	
2-Butanone (MEK)	100	91.5	92	69-128	
1,1,1-Trichloroethane	20.0	21.3	107	68-128	
Carbon tetrachloride	20.0	21.9	109	56-131	
Dichlorobromomethane	20.0	21.4	107	72-121	
1,2-Dichloropropane	20.0	24.0	120	76-126	
cis-1,3-Dichloropropene	20.0	23.0	115	74-125	
Trichloroethene	20.0	21.7	109	71-121	
Chlorodibromomethane	20.0	21.1	106	58-130	
1,1,2-Trichloroethane	20.0	23.6	118	74-125	
Benzene	20.0	23.8	119	78-126	
trans-1,3-Dichloropropene	20.0	22.7	113	66-127	
Bromoform	20.0	19.9	99	38-144	
4-Methyl-2-pentanone (MIBK)	100	95.7	96	78-125	
2-Hexanone	100	92.5	93	74-127	
Tetrachloroethene	20.0	21.8	109	70-127	
1,1,2,2-Tetrachloroethane	20.0	23.6	118	63-139	
Toluene	20.0	22.0	110	78-119	
Chlorobenzene	20.0	21.4	107	80-119	
Ethylbenzene	20.0	22.1	111	78-120	
Styrene	20.0	21.7	108	75-127	
m-Xylene & p-Xylene	20.0	22.6	113	78-123	
o-Xylene	20.0	22.0	110	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.8	114	59-142	
Methyl tert-butyl ether	20.0	21.7	108	65-131	
Cyclohexane	20.0	23.0	115	67-133	
Ethylene Dibromide	20.0	21.2	106	69-126	
1,3-Dichlorobenzene	20.0	21.7	109	80-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: F09732.D

Lab ID: LCS 460-753821/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	20.0	21.6	108	80-118	
1,2-Dichlorobenzene	20.0	22.2	111	79-122	
Dichlorodifluoromethane	20.0	20.3	102	31-150	
1,2,4-Trichlorobenzene	20.0	22.2	111	64-132	
1,4-Dioxane	400	602	151	70-142	*
1,2,3-Trichlorobenzene	20.0	22.9	115	53-144	
1,2-Dibromo-3-Chloropropane	20.0	20.4	102	41-143	
Chlorobromomethane	20.0	21.0	105	73-126	
Isopropylbenzene	20.0	22.3	111	79-125	
Methyl acetate	40.0	52.6	131	70-127	*
Methylcyclohexane	20.0	23.8	119	60-139	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: F09733.D

Lab ID: LCSD 460-753821/5

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloromethane	20.0	21.5	107	12	30	38-150	
Bromomethane	20.0	18.5	93	6	30	10-150	
Vinyl chloride	20.0	21.5	108	8	30	61-144	
Chloroethane	20.0	19.4	97	7	30	29-150	
Methylene Chloride	20.0	21.3	106	2	30	74-127	
Acetone	100	91.9	92	14	30	61-134	
Carbon disulfide	20.0	22.5	113	3	30	64-138	
Trichlorofluoromethane	20.0	19.7	99	5	30	61-140	
1,1-Dichloroethene	20.0	20.4	102	5	30	68-133	
1,1-Dichloroethane	20.0	22.2	111	6	30	73-130	
trans-1,2-Dichloroethene	20.0	21.0	105	3	30	74-126	
cis-1,2-Dichloroethene	20.0	21.1	106	4	30	78-121	
Chloroform	20.0	21.0	105	4	30	78-125	
1,2-Dichloroethane	20.0	21.3	106	4	30	75-121	
2-Butanone (MEK)	100	90.5	90	1	30	69-128	
1,1,1-Trichloroethane	20.0	20.4	102	4	30	68-128	
Carbon tetrachloride	20.0	20.5	102	7	30	56-131	
Dichlorobromomethane	20.0	20.3	101	5	30	72-121	
1,2-Dichloropropane	20.0	22.3	112	7	30	76-126	
cis-1,3-Dichloropropene	20.0	22.2	111	3	30	74-125	
Trichloroethene	20.0	21.1	105	3	30	71-121	
Chlorodibromomethane	20.0	20.6	103	3	30	58-130	
1,1,2-Trichloroethane	20.0	22.2	111	6	30	74-125	
Benzene	20.0	22.5	112	6	30	78-126	
trans-1,3-Dichloropropene	20.0	21.9	110	3	30	66-127	
Bromoform	20.0	19.3	96	3	30	38-144	
4-Methyl-2-pentanone (MIBK)	100	96.1	96	0	30	78-125	
2-Hexanone	100	93.0	93	0	30	74-127	
Tetrachloroethene	20.0	20.8	104	5	30	70-127	
1,1,2,2-Tetrachloroethane	20.0	22.8	114	3	30	63-139	
Toluene	20.0	20.9	104	5	30	78-119	
Chlorobenzene	20.0	20.7	104	3	30	80-119	
Ethylbenzene	20.0	21.0	105	5	30	78-120	
Styrene	20.0	20.9	105	3	30	75-127	
m-Xylene & p-Xylene	20.0	21.5	107	5	30	78-123	
o-Xylene	20.0	20.9	104	5	30	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2	106	7	30	59-142	
Methyl tert-butyl ether	20.0	21.2	106	2	30	65-131	
Cyclohexane	20.0	22.0	110	5	30	67-133	
Ethylene Dibromide	20.0	20.2	101	5	30	69-126	
1,3-Dichlorobenzene	20.0	21.4	107	2	30	80-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: F09733.D  
 Lab ID: LCSD 460-753821/5 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,4-Dichlorobenzene	20.0	21.1	105	3	30	80-118	
1,2-Dichlorobenzene	20.0	21.6	108	3	30	79-122	
Dichlorodifluoromethane	20.0	18.7	94	8	30	31-150	
1,2,4-Trichlorobenzene	20.0	21.6	108	3	30	64-132	
1,4-Dioxane	400	621	155	3	30	70-142	*
1,2,3-Trichlorobenzene	20.0	22.1	111	3	30	53-144	
1,2-Dibromo-3-Chloropropane	20.0	21.0	105	3	30	41-143	
Chlorobromomethane	20.0	20.2	101	4	30	73-126	
Isopropylbenzene	20.0	21.4	107	4	30	79-125	
Methyl acetate	40.0	53.3	133	1	30	70-127	*
Methylcyclohexane	20.0	22.5	112	6	30	60-139	

# Column to be used to flag recovery and RPD values



FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
SDG No.: \_\_\_\_\_  
Lab File ID: F09739.D Lab Sample ID: MB 460-753821/11  
Matrix: Water Heated Purge: (Y/N) N  
Instrument ID: CVOAMS6 Date Analyzed: 01/19/2021 21:40  
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 460-753821/4	F09732.D	01/19/2021 18:48
	LCSD 460-753821/5	F09733.D	01/19/2021 19:13
ERM-MW-06D	460-226624-2	F09741.D	01/19/2021 22:29
ERM-MW-01D	460-226624-3	F09742.D	01/19/2021 22:53
ERM-MW-05D	460-226624-1	F09743.D	01/19/2021 23:18
MW-102D	460-226624-4	F09744.D	01/19/2021 23:43

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: F09447.D BFB Injection Date: 01/05/2021  
 Instrument ID: CVOAMS6 BFB Injection Time: 15:20  
 Analysis Batch No.: 751068

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	145.9
96	5 - 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	68.6
175	5 - 9% of m/z 174	7.9
176	95 -105% of m/z 174	97.6
177	5 - 10% of m/z 176	6.5

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 460-751068/3	F09449.D	01/05/2021	16:09
	STD1 460-751068/4	F09450.D	01/05/2021	16:33
	STD5 460-751068/6	F09452.D	01/05/2021	17:22
	STD20 460-751068/7	F09453.D	01/05/2021	17:46
	STD50 460-751068/8	F09454.D	01/05/2021	18:11
	STD200 460-751068/9	F09455.D	01/05/2021	18:35
	STD500 460-751068/10	F09456.D	01/05/2021	18:59
	ICV 460-751068/15	F09461.D	01/05/2021	21:01

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Lab File ID: F09729.D BFB Injection Date: 01/19/2021

Instrument ID: CVOAMS6 BFB Injection Time: 17:30

Analysis Batch No.: 753821

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	151.1
96	5 - 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	66.2
175	5 - 9% of m/z 174	7.9
176	95 -105% of m/z 174	95.4
177	5 - 10% of m/z 176	6.3

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
	CCVIS 460-753821/3	F09731.D	01/19/2021	18:24
	LCS 460-753821/4	F09732.D	01/19/2021	18:48
	LCSD 460-753821/5	F09733.D	01/19/2021	19:13
	MB 460-753821/11	F09739.D	01/19/2021	21:40
ERM-MW-06D	460-226624-2	F09741.D	01/19/2021	22:29
ERM-MW-01D	460-226624-3	F09742.D	01/19/2021	22:53
ERM-MW-05D	460-226624-1	F09743.D	01/19/2021	23:18
MW-102D	460-226624-4	F09744.D	01/19/2021	23:43

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: STD20 460-751068/7 Date Analyzed: 01/05/2021 17:46  
 Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): F09453.D Heated Purge: (Y/N) N  
 Calibration ID: 83464

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	346654	3.13	333509	4.11	580419	5.18	
UPPER LIMIT	693308	3.63	667018	4.61	1160838	5.68	
LOWER LIMIT	173327	2.63	166755	3.61	290210	4.68	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-751068/15		367027	3.12	355457	4.11	607726	5.18

TBA<sub>d</sub>9 = 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  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: STD20 460-751068/7 Date Analyzed: 01/05/2021 17:46  
 Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): F09453.D Heated Purge: (Y/N) N  
 Calibration ID: 83464

	DXE		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	34448	5.88	409316	8.59	249760	10.83
UPPER LIMIT	68896	6.38	818632	9.09	499520	11.33
LOWER LIMIT	17224	5.38	204658	8.09	124880	10.33
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-751068/15			33112	5.87	442364	8.59
					279838	10.83

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  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-753821/3 Date Analyzed: 01/19/2021 18:24  
 Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): F09731.D Heated Purge: (Y/N) N  
 Calibration ID: 83464

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	431352	3.12	493829	4.12	737400	5.18	
UPPER LIMIT	862704	3.62	987658	4.62	1474800	5.68	
LOWER LIMIT	215676	2.62	246915	3.62	368700	4.68	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-753821/4		450068	3.11	499038	4.11	723767	5.18
LCSD 460-753821/5		449212	3.12	527965	4.12	777180	5.18
MB 460-753821/11		413829	3.12	462972	4.12	685628	5.18
460-226624-2	ERM-MW-06D	443972	3.12	465864	4.11	711042	5.18
460-226624-3	ERM-MW-01D	427115	3.11	466082	4.12	715005	5.18
460-226624-1	ERM-MW-05D	438134	3.11	492568	4.12	747972	5.18
460-226624-4	MW-102D	445199	3.11	481862	4.12	719485	5.18

TBA<sub>d</sub>9 = TBA-d<sub>9</sub> (IS)  
 BUT = 2-Butanone-d<sub>5</sub>  
 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  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-753821/3 Date Analyzed: 01/19/2021 18:24  
 Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): F09731.D Heated Purge: (Y/N) N  
 Calibration ID: 83464

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	38381	5.87	500184	8.59	298513	10.83	
UPPER LIMIT	76762	6.37	1000368	9.09	597026	11.33	
LOWER LIMIT	19191	5.37	250092	8.09	149257	10.33	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-753821/4		38274	5.86	501772	8.58	293949	10.83
LCSD 460-753821/5		34216	5.86	538433	8.59	311660	10.83
MB 460-753821/11		32847	5.86	450167	8.59	273177	10.83
460-226624-2	ERM-MW-06D	37360	5.86	463267	8.59	285533	10.83
460-226624-3	ERM-MW-01D	35272	5.86	482431	8.59	285442	10.83
460-226624-1	ERM-MW-05D	35117	5.87	482930	8.58	292061	10.83
460-226624-4	MW-102D	34493	5.86	472290	8.59	284351	10.83

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 I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ERM-MW-05D Lab Sample ID: 460-226624-1  
 Matrix: Water Lab File ID: F09743.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 10:28  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 23:18  
 Soil Aliquot Vol.: \_\_\_\_\_ Dilution Factor: 2  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	2.0	U	2.0	0.80
74-83-9	Bromomethane	2.0	U	2.0	1.1
75-01-4	Vinyl chloride	2.0	U	2.0	0.34
75-00-3	Chloroethane	2.0	U	2.0	0.64
75-09-2	Methylene Chloride	2.0	U	2.0	0.63
67-64-1	Acetone	10	U	10	8.8
75-15-0	Carbon disulfide	2.0	U	2.0	1.6
75-69-4	Trichlorofluoromethane	2.0	U	2.0	0.64
75-35-4	1,1-Dichloroethene	3.8		2.0	0.53
75-34-3	1,1-Dichloroethane	3.2		2.0	0.53
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.47
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	0.44
67-66-3	Chloroform	2.0	U	2.0	0.65
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.86
78-93-3	2-Butanone (MEK)	10	U	10	3.7
71-55-6	1,1,1-Trichloroethane	190		2.0	0.48
56-23-5	Carbon tetrachloride	2.0	U	2.0	0.42
75-27-4	Dichlorobromomethane	2.0	U	2.0	0.69
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.71
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.44
79-01-6	Trichloroethene	150		2.0	0.63
124-48-1	Chlorodibromomethane	2.0	U	2.0	0.56
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.41
71-43-2	Benzene	2.0	U	2.0	0.41
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.45
75-25-2	Bromoform	2.0	U	2.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	2.6
591-78-6	2-Hexanone	10	U	10	2.3
127-18-4	Tetrachloroethene	630		2.0	0.50
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.73
108-88-3	Toluene	2.0	U	2.0	0.76
108-90-7	Chlorobenzene	2.0	U	2.0	0.75
100-41-4	Ethylbenzene	2.0	U	2.0	0.60
100-42-5	Styrene	2.0	U	2.0	0.83
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.59
95-47-6	o-Xylene	2.0	U	2.0	0.72



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ERM-MW-05D Lab Sample ID: 460-226624-1  
 Matrix: Water Lab File ID: F09743.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 10:28  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 23:18  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	0.43
110-82-7	Cyclohexane	2.0	U	2.0	0.64
106-93-4	Ethylene Dibromide	2.0	U	2.0	1.0
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	0.68
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.67
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.42
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	0.62
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.73
123-91-1	1,4-Dioxane	100	U *	100	56
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.71
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.75
74-97-5	Chlorobromomethane	2.0	U	2.0	0.82
98-82-8	Isopropylbenzene	2.0	U	2.0	0.67
79-20-9	Methyl acetate	10	U *	10	1.6
108-87-2	Methylcyclohexane	2.0	U	2.0	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D  
 Lims ID: 460-226624-C-1  
 Client ID: ERM-MW-05D  
 Sample Type: Client  
 Inject. Date: 19-Jan-2021 23:18:30 ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 5.000 mL Dil. Factor: 2.0000  
 Sample Info: 460-226624-c-1  
 Misc. Info.: 460-0123057-015  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 20:40:04 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1608

First Level Reviewer: yallabg

Date: 20-Jan-2021 00:42:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
17 1,1-Dichloroethene	96	2.724	2.700	0.024	98	7209	1.91	M
* 27 TBA-d9 (IS)	65	3.111	3.119	-0.008	0	438134	1000.0	
34 1,1-Dichloroethane	63	3.661	3.661	0.000	99	11169	1.61	
* 38 2-Butanone-d5	46	4.121	4.121	0.000	0	492568	250.0	
50 1,1,1-Trichloroethane	97	4.573	4.573	0.000	98	540226	96.4	
\$ 51 Dibromofluoromethane (Surr)	113	4.582	4.573	0.009	72	204558	50.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	236745	50.1	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	747972	50.0	
63 Trichloroethene	95	5.526	5.526	0.000	98	242170	73.3	
* 67 1,4-Dioxane-d8	96	5.872	5.872	0.000	0	35117	1000.0	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	739260	52.1	
83 Tetrachloroethene	166	7.499	7.498	0.000	97	935999	312.8	
* 89 Chlorobenzene-d5	117	8.583	8.591	-0.008	88	482930	50.0	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	86	203028	47.4	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	292061	50.0	

## QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

## Reagents:

VOA6IS/SURR\_00042

Amount Added: 5.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D

Injection Date: 19-Jan-2021 23:18:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: 460-226624-C-1

Lab Sample ID: 460-226624-1

Worklist Smp#: 15

Client ID: ERM-MW-05D

Purge Vol: 5.000 mL

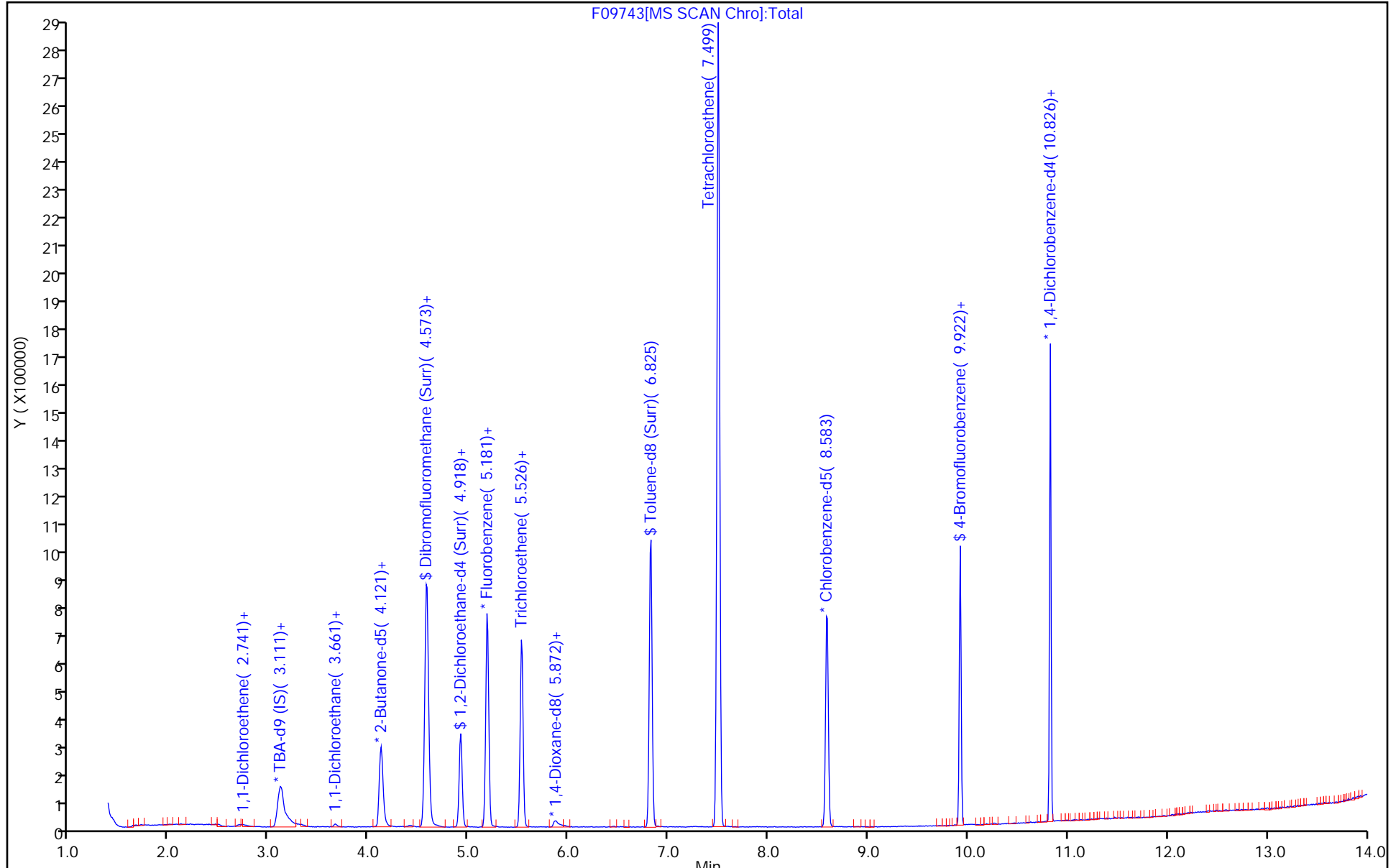
Dil. Factor: 2.0000

ALS Bottle#: 14

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D

Injection Date: 19-Jan-2021 23:18:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-1

Lab Sample ID: 460-226624-1

Client ID: ERM-MW-05D

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

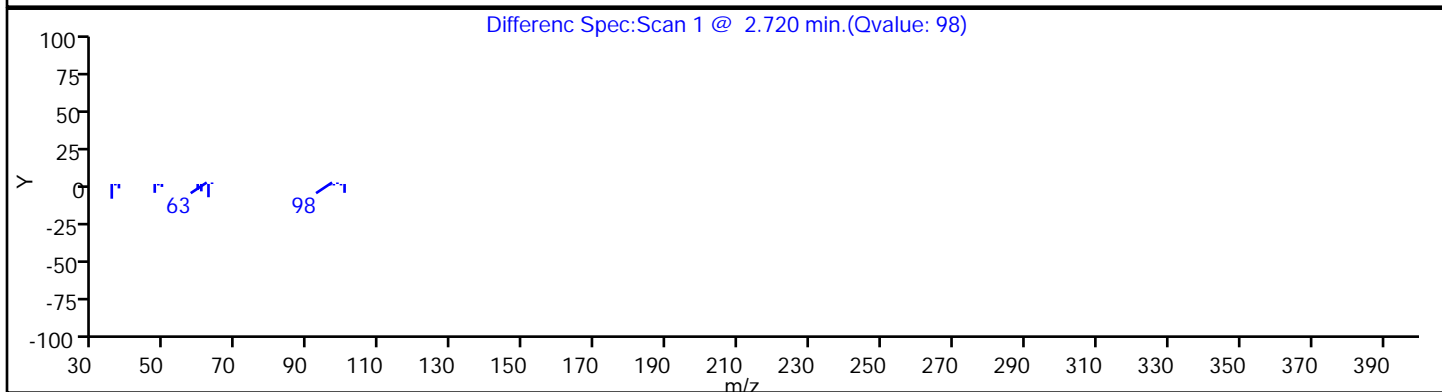
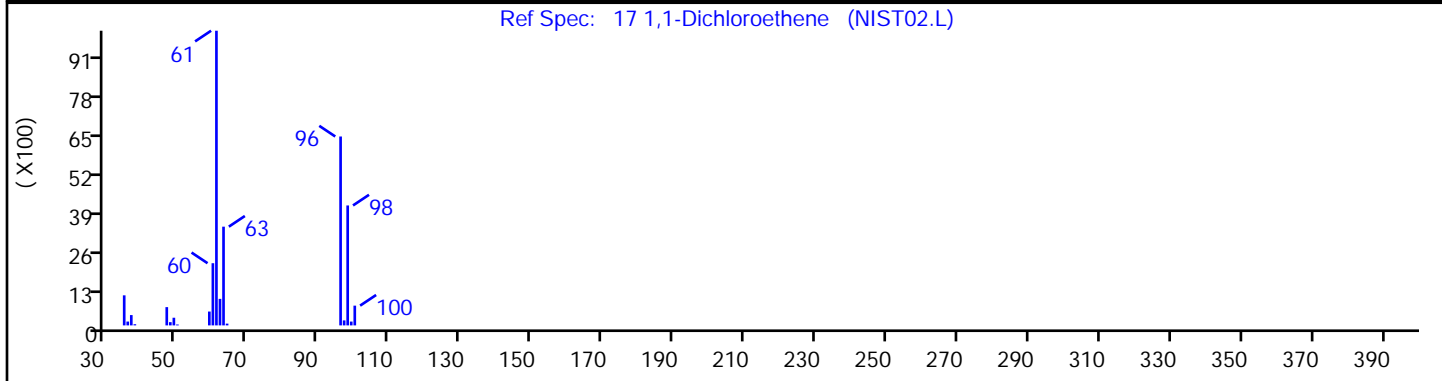
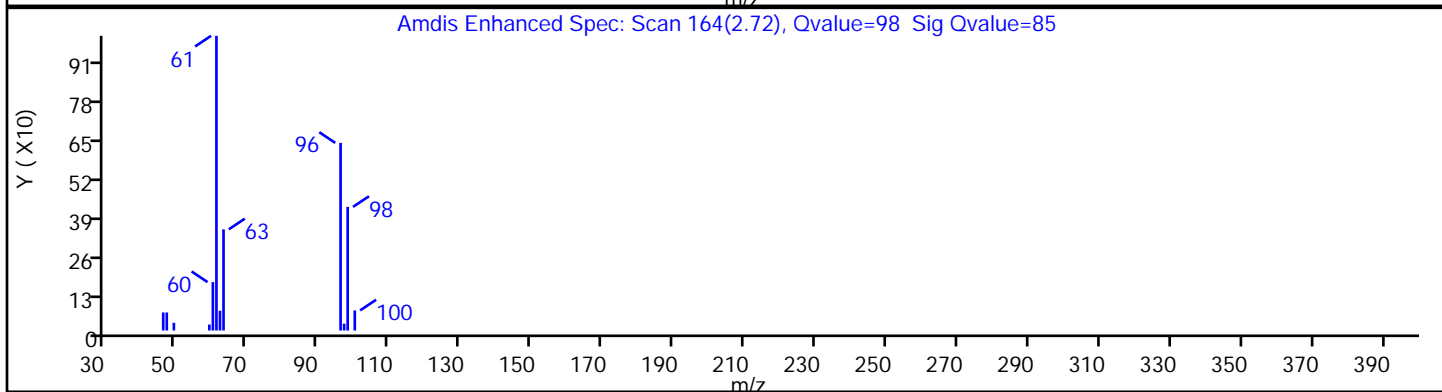
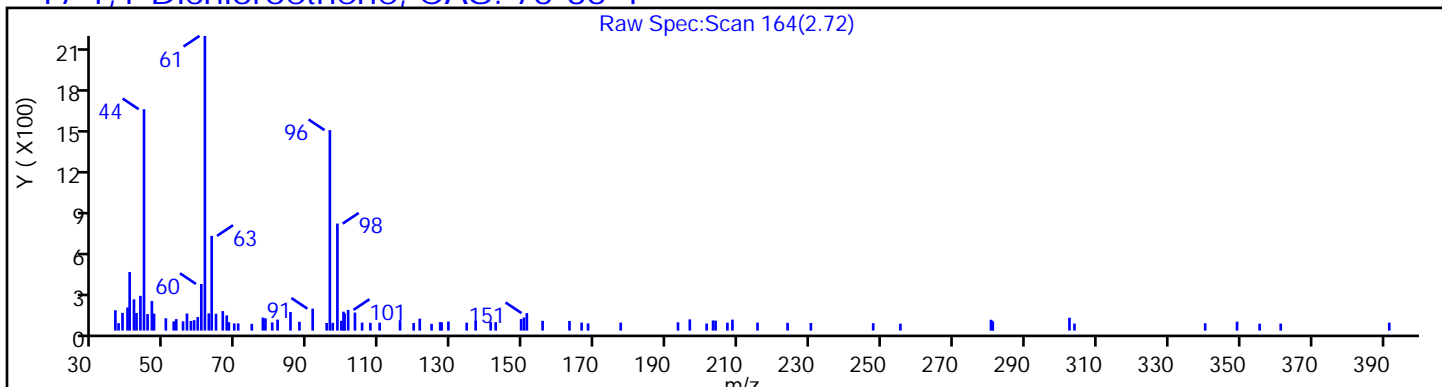
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

17 1,1-Dichloroethene, CAS: 75-35-4



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D

Injection Date: 19-Jan-2021 23:18:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-1

Lab Sample ID: 460-226624-1

Client ID: ERM-MW-05D

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

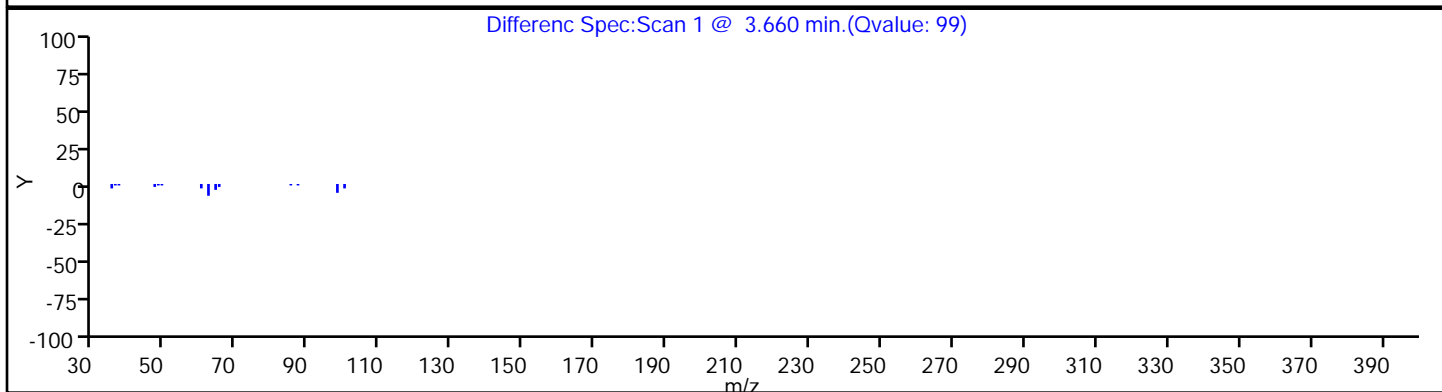
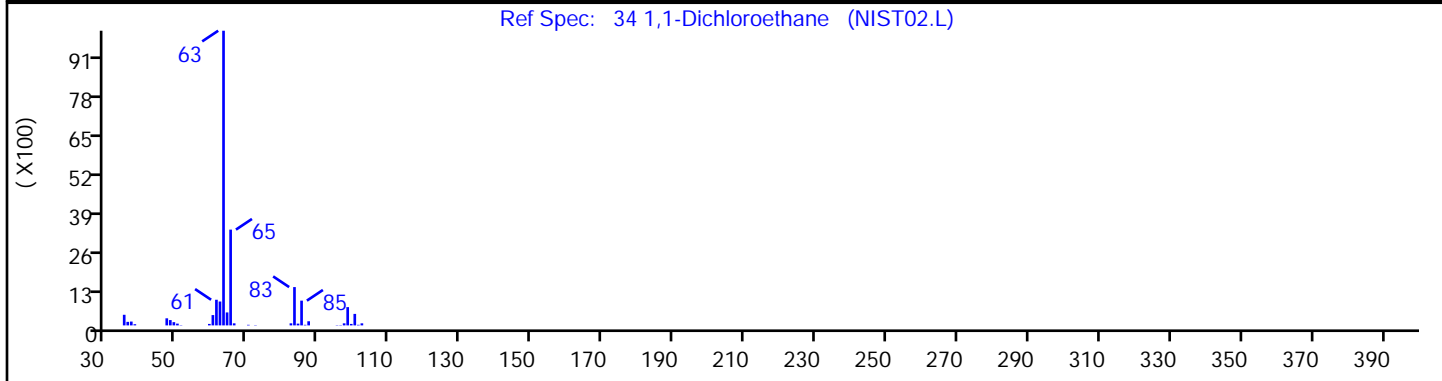
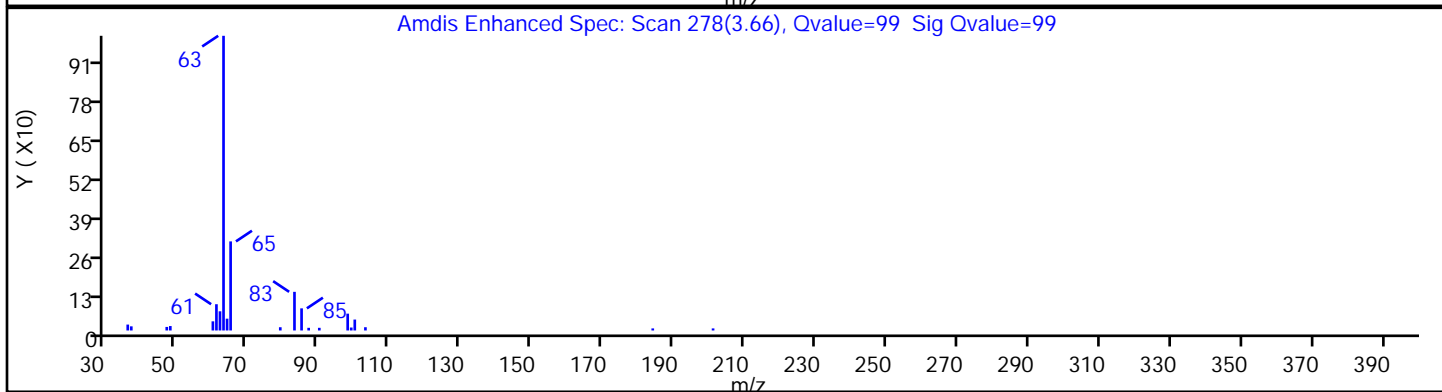
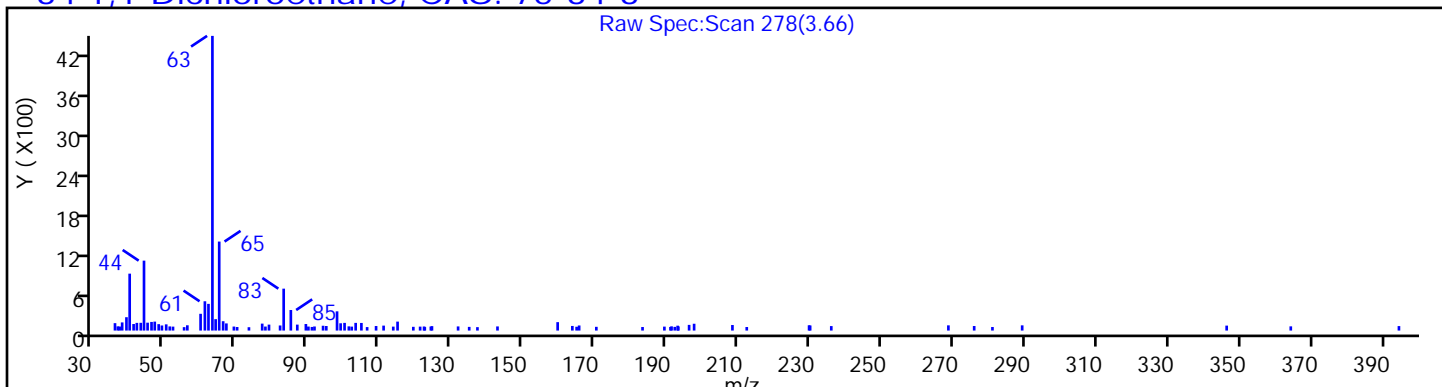
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D

Injection Date: 19-Jan-2021 23:18:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-1

Lab Sample ID: 460-226624-1

Client ID: ERM-MW-05D

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

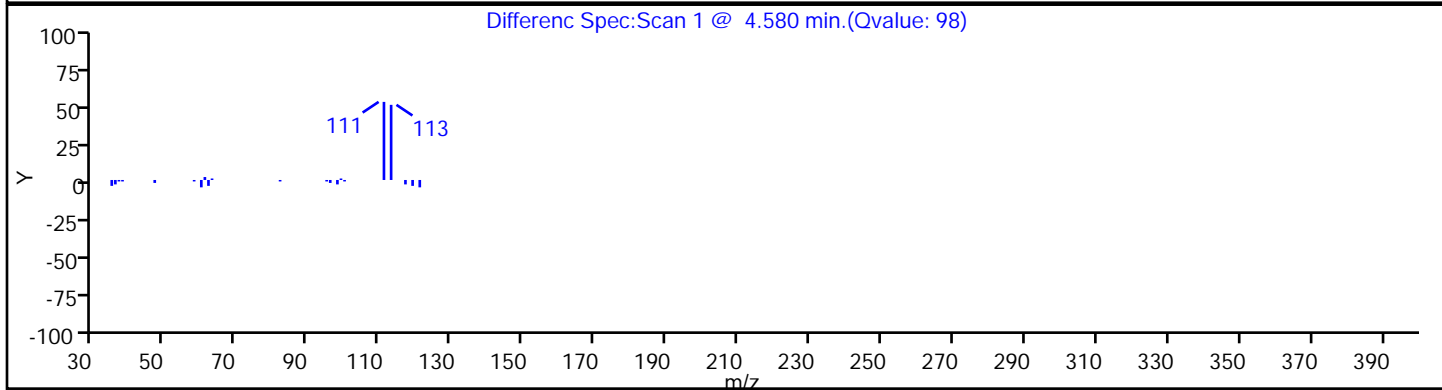
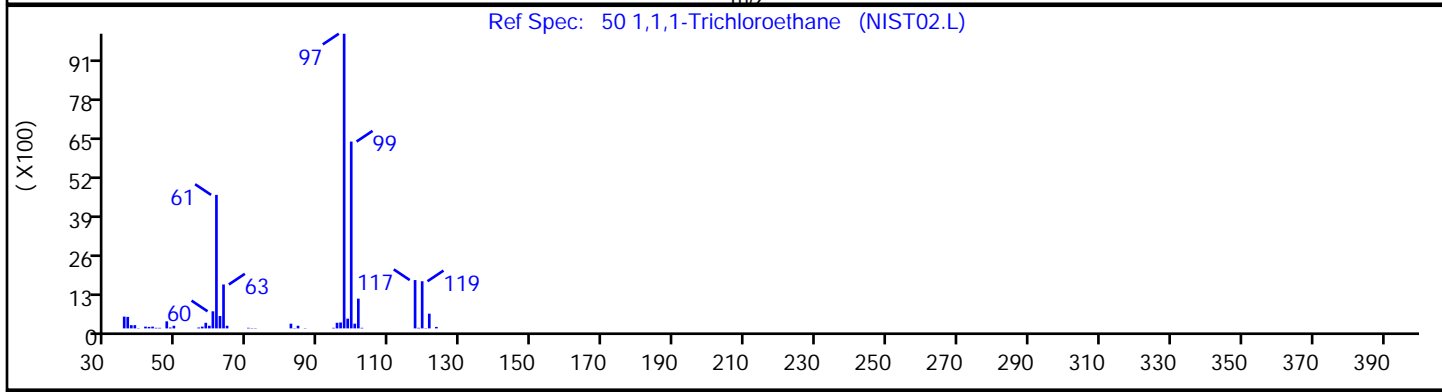
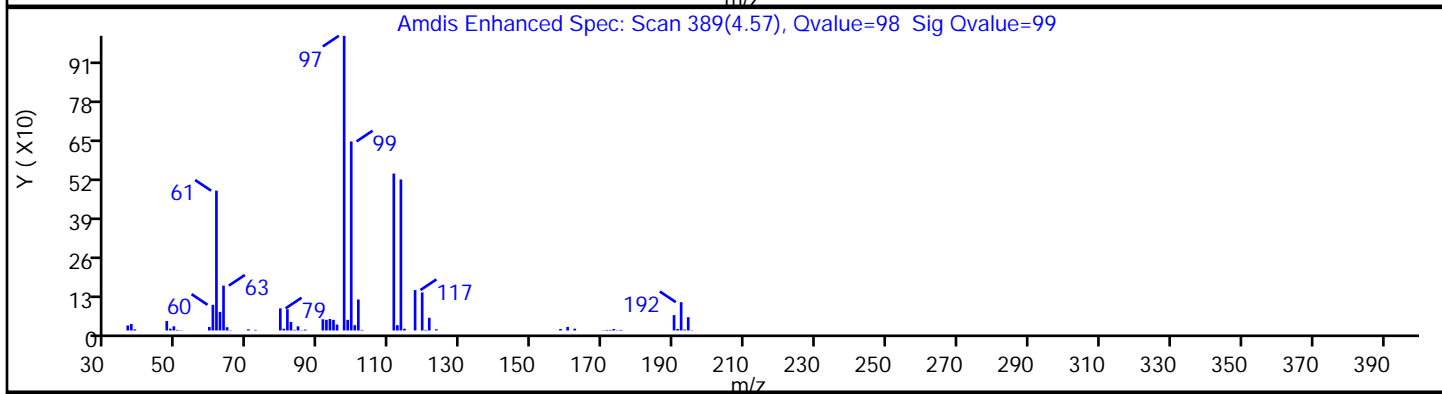
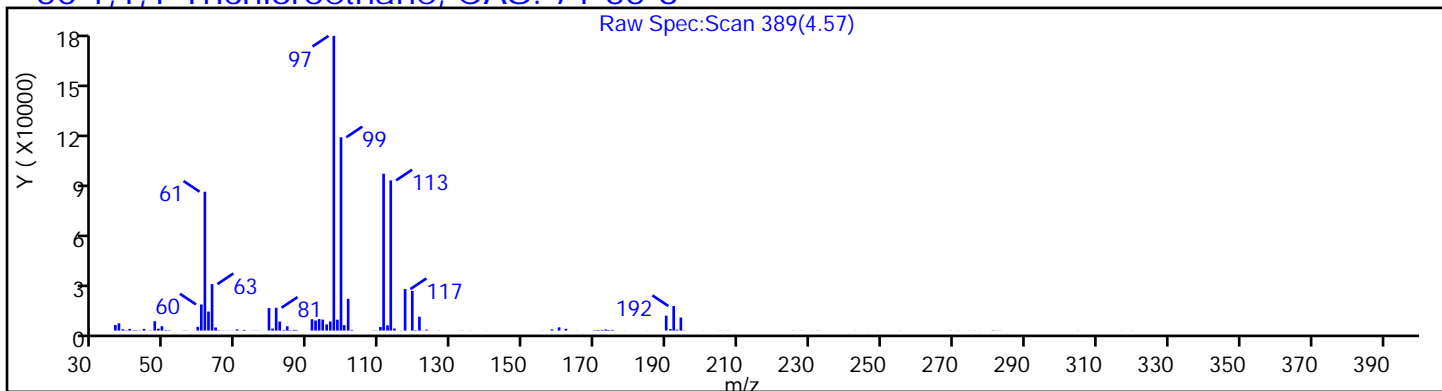
Method: 8260624W6

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



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D

Injection Date: 19-Jan-2021 23:18:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-1

Lab Sample ID: 460-226624-1

Client ID: ERM-MW-05D

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

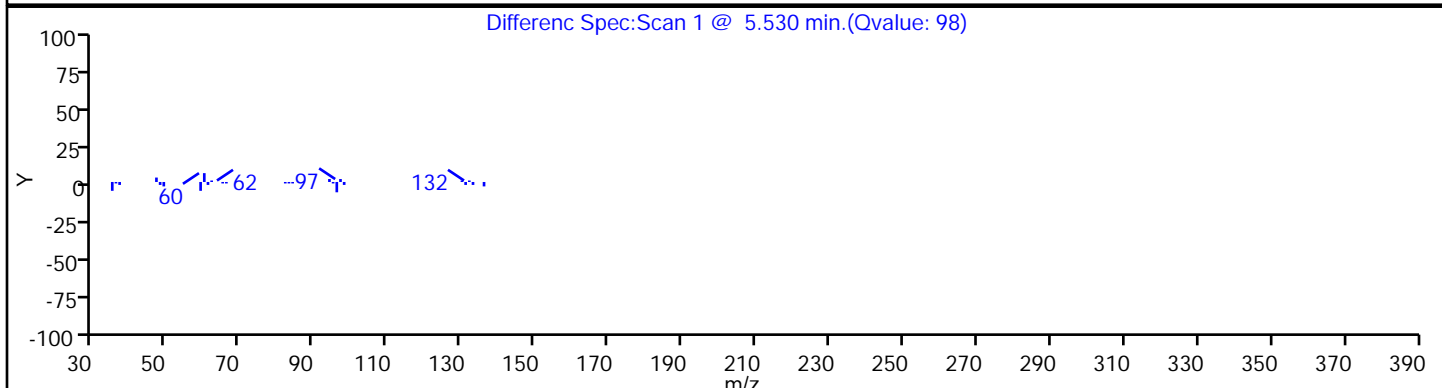
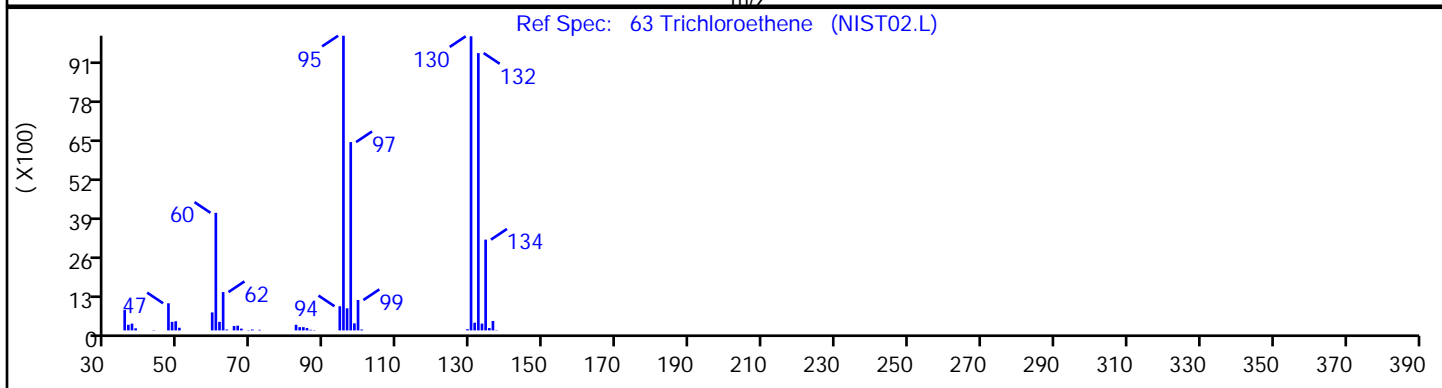
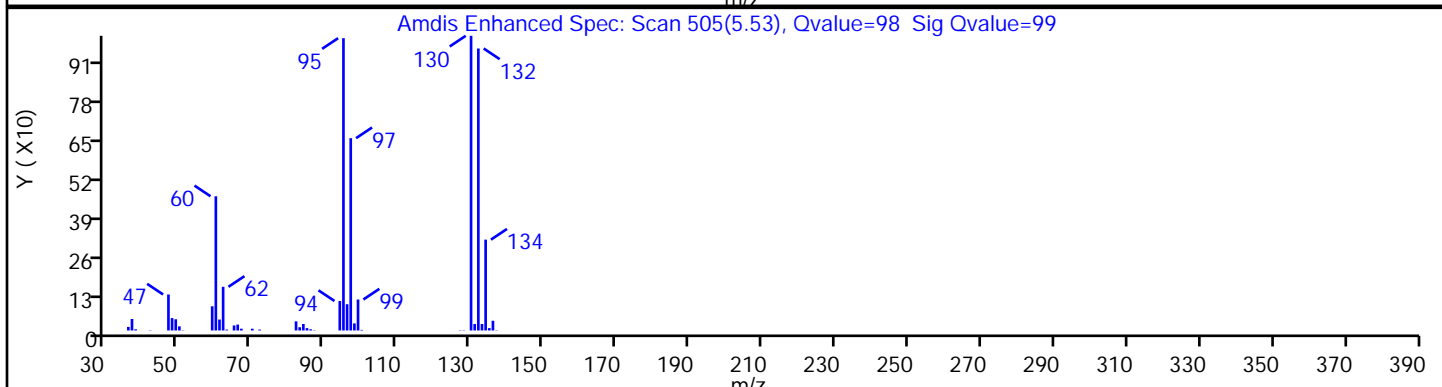
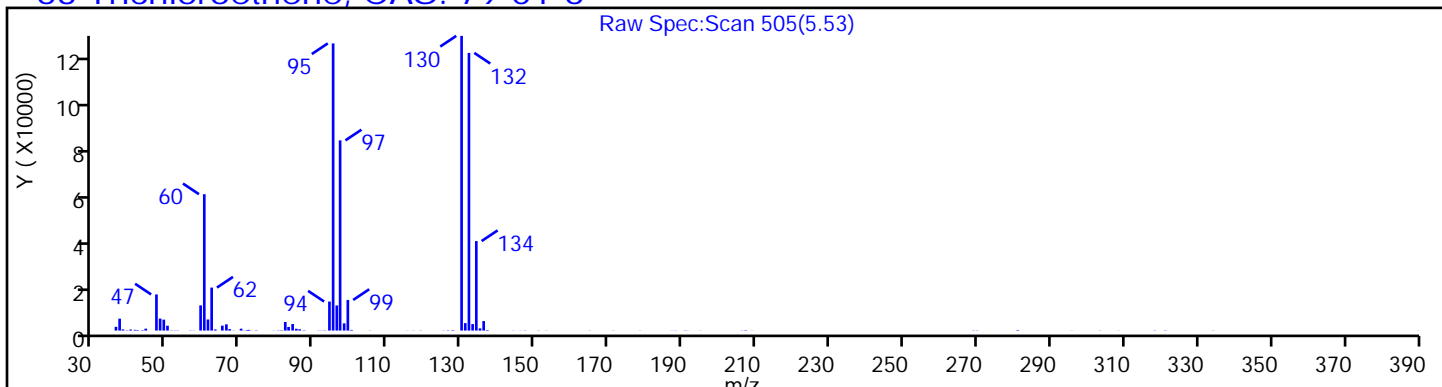
Method: 8260624W6

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\20210119-123057.b\F09743.D

Injection Date: 19-Jan-2021 23:18:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-1

Lab Sample ID: 460-226624-1

Client ID: ERM-MW-05D

Operator ID:

ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

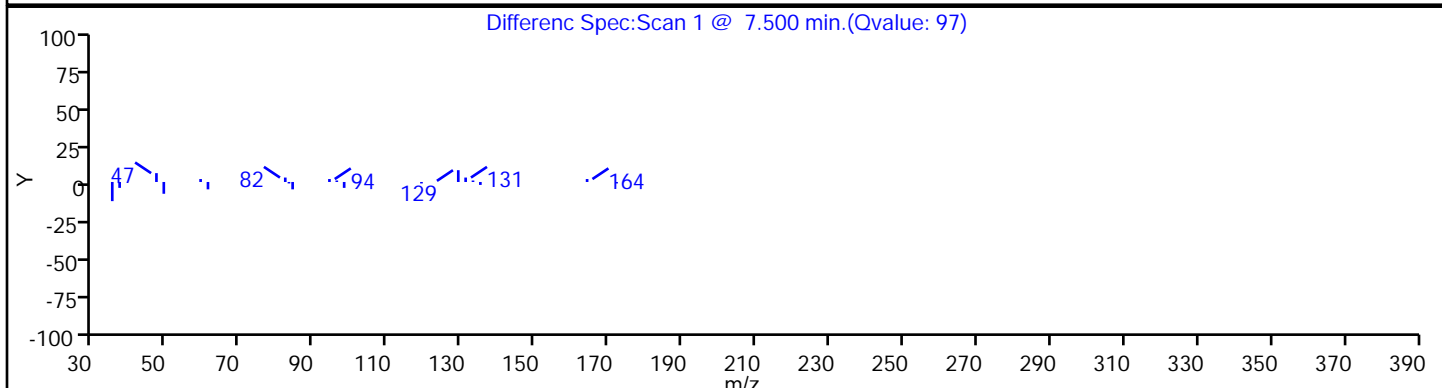
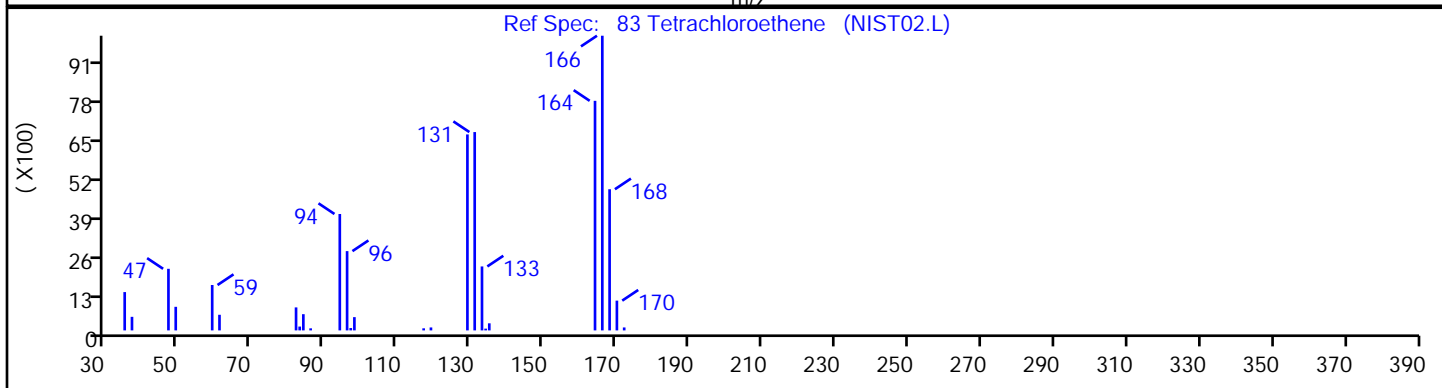
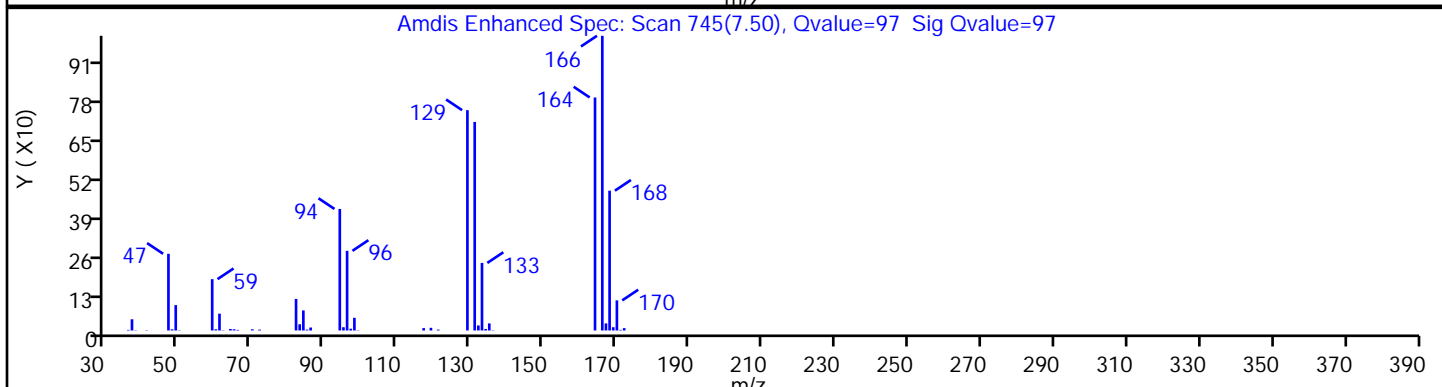
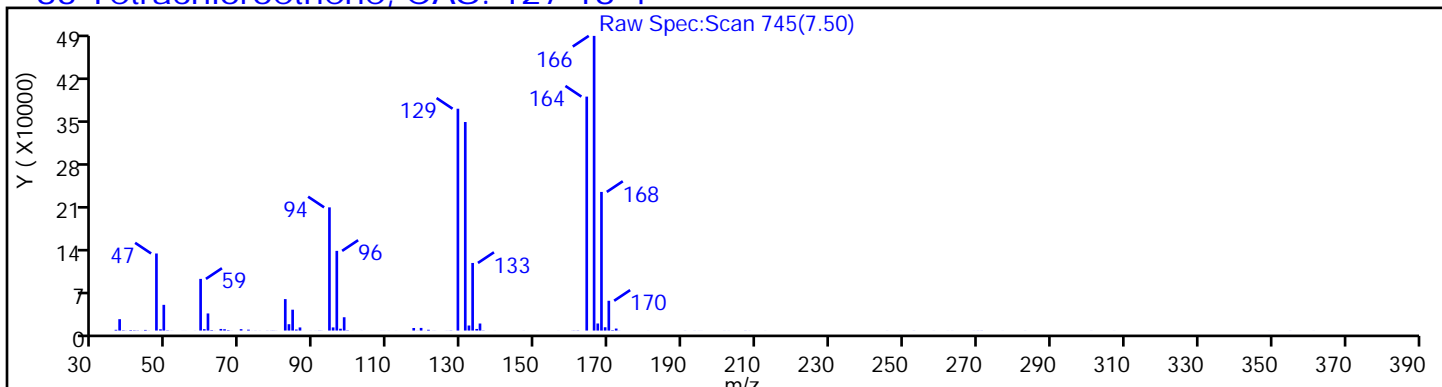
Method: 8260624W6

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

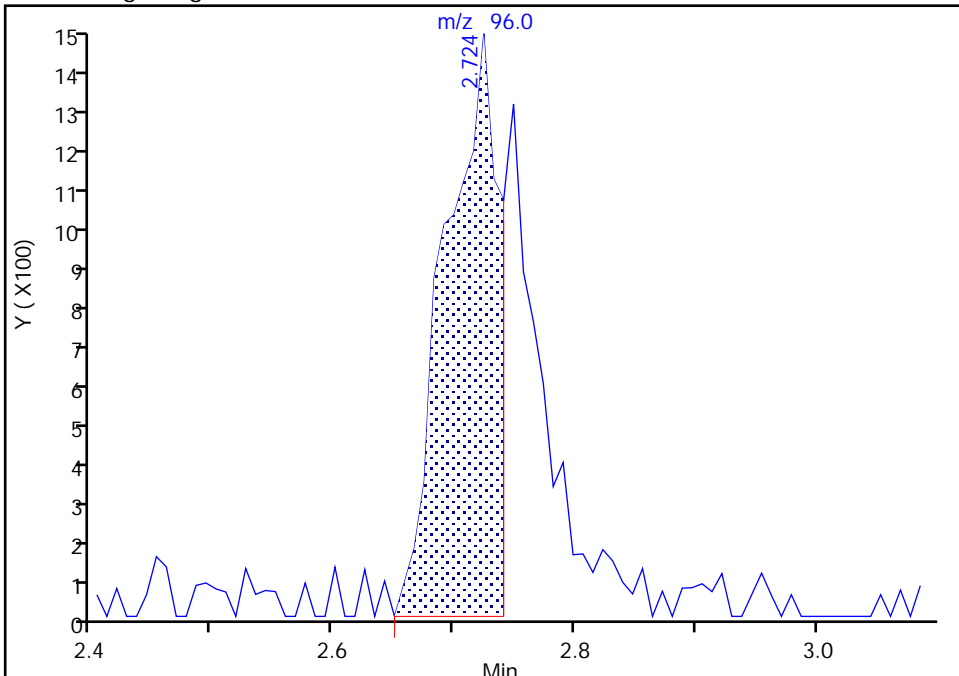
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D  
Injection Date: 19-Jan-2021 23:18:30 Instrument ID: CVOAMS6  
Lims ID: 460-226624-C-1 Lab Sample ID: 460-226624-1  
Client ID: ERM-MW-05D  
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 5.000 mL Dil. Factor: 2.0000  
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

Signal: 1

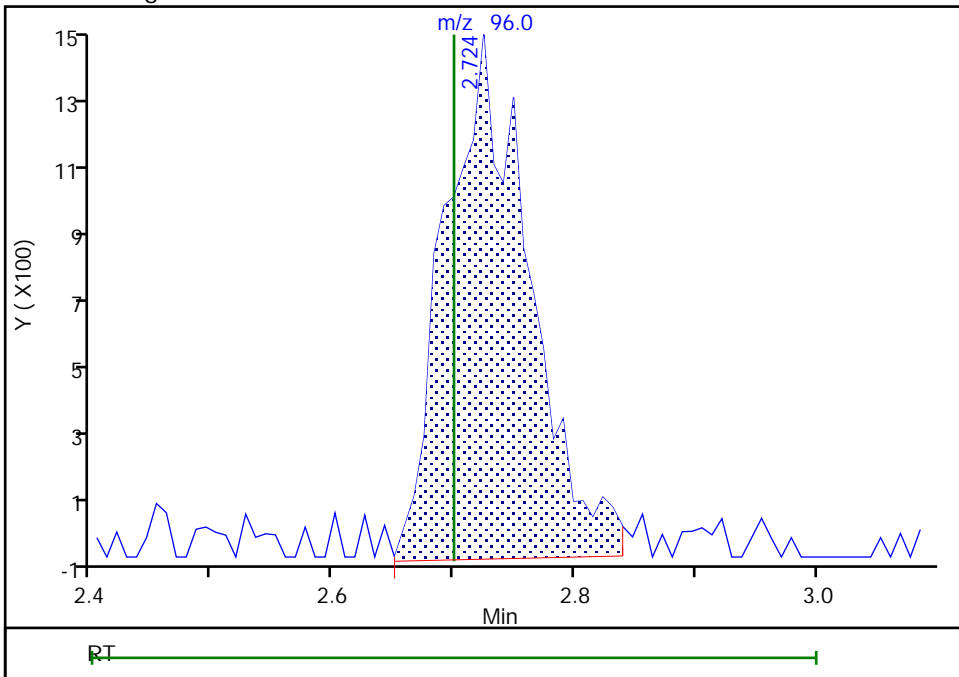
RT: 2.72  
Area: 4654  
Amount: 1.234278  
Amount Units: ug/l

Processing Integration Results



RT: 2.72  
Area: 7209  
Amount: 1.911885  
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 20-Jan-2021 07:53:06  
Audit Action: Manually Integrated

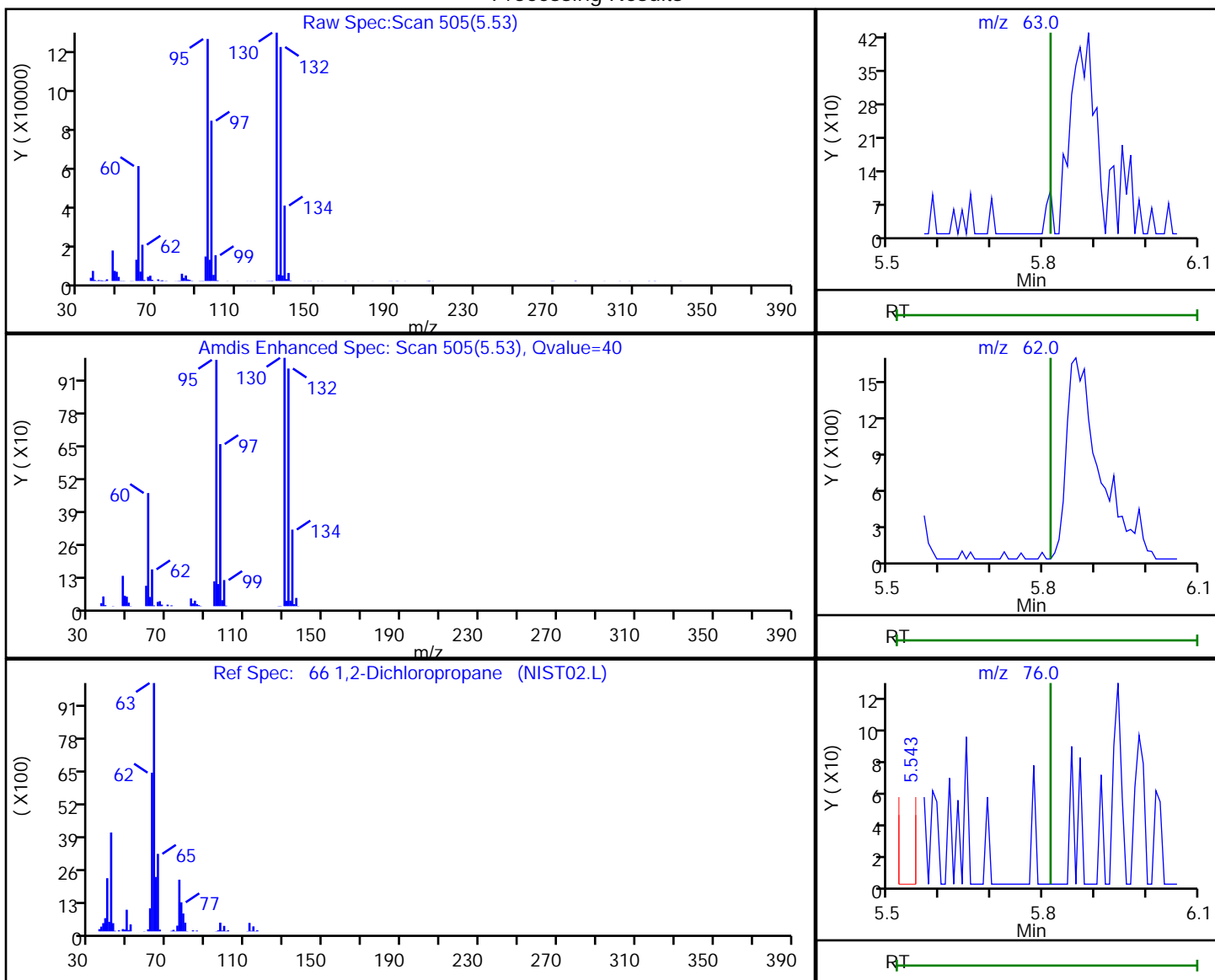
Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D  
 Injection Date: 19-Jan-2021 23:18:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-1 Lab Sample ID: 460-226624-1  
 Client ID: ERM-MW-05D  
 Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 5.000 mL Dil. Factor: 2.0000  
 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
5.53	63.00	963	0.264547
5.53	62.00	36637	
5.54	76.00	153	
5.81	112.00	0	

Reviewer: moroneyc, 20-Jan-2021 07:53:16  
 Audit Action: Marked Compound Undetected

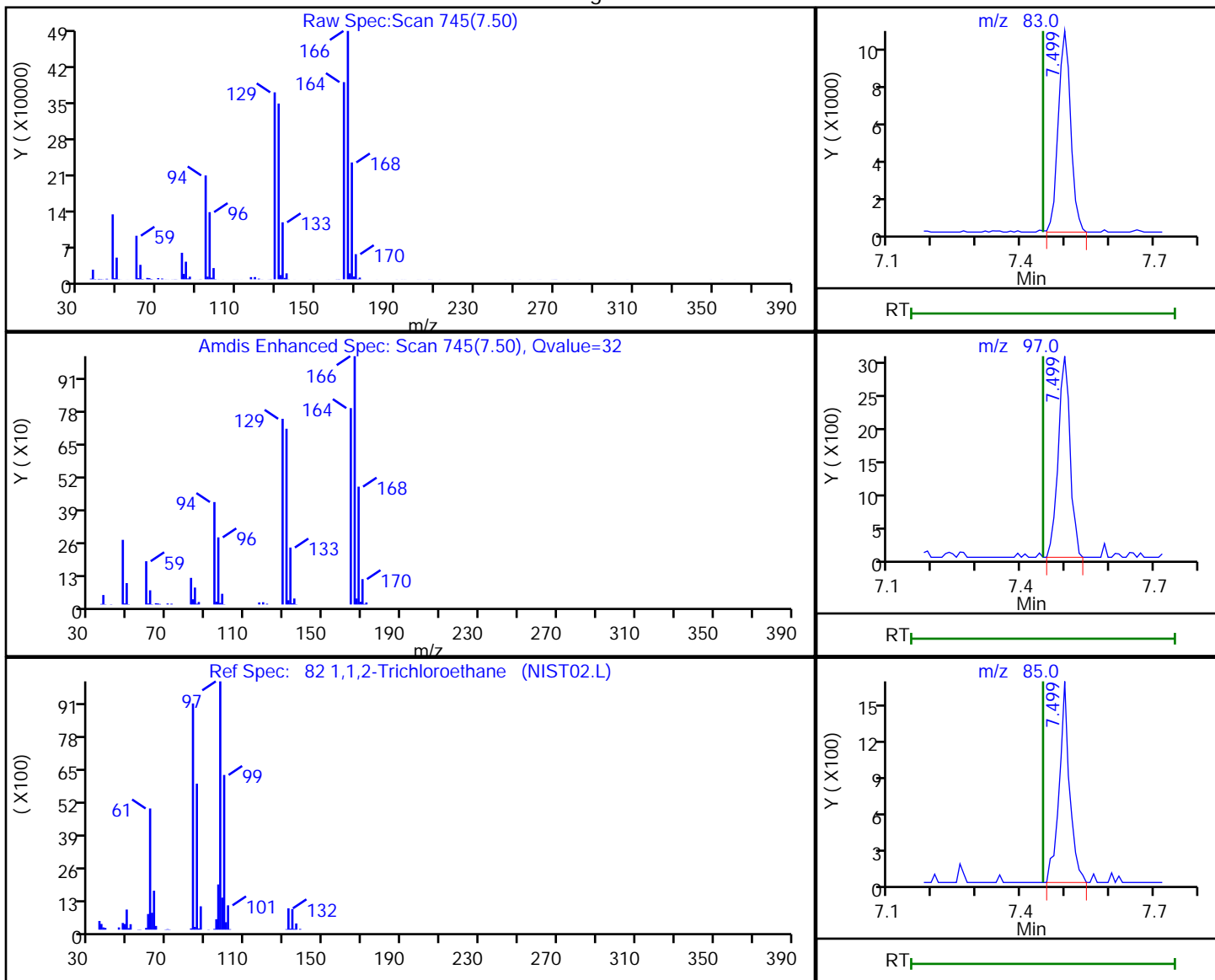
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D  
 Injection Date: 19-Jan-2021 23:18:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-1 Lab Sample ID: 460-226624-1  
 Client ID: ERM-MW-05D  
 Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 5.000 mL Dil. Factor: 2.0000  
 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
7.50	83.00	20429	8.995611
7.50	97.00	5653	
7.50	85.00	2772	

Reviewer: moroneyc, 20-Jan-2021 07:53:17

Audit Action: Marked Compound Undetected

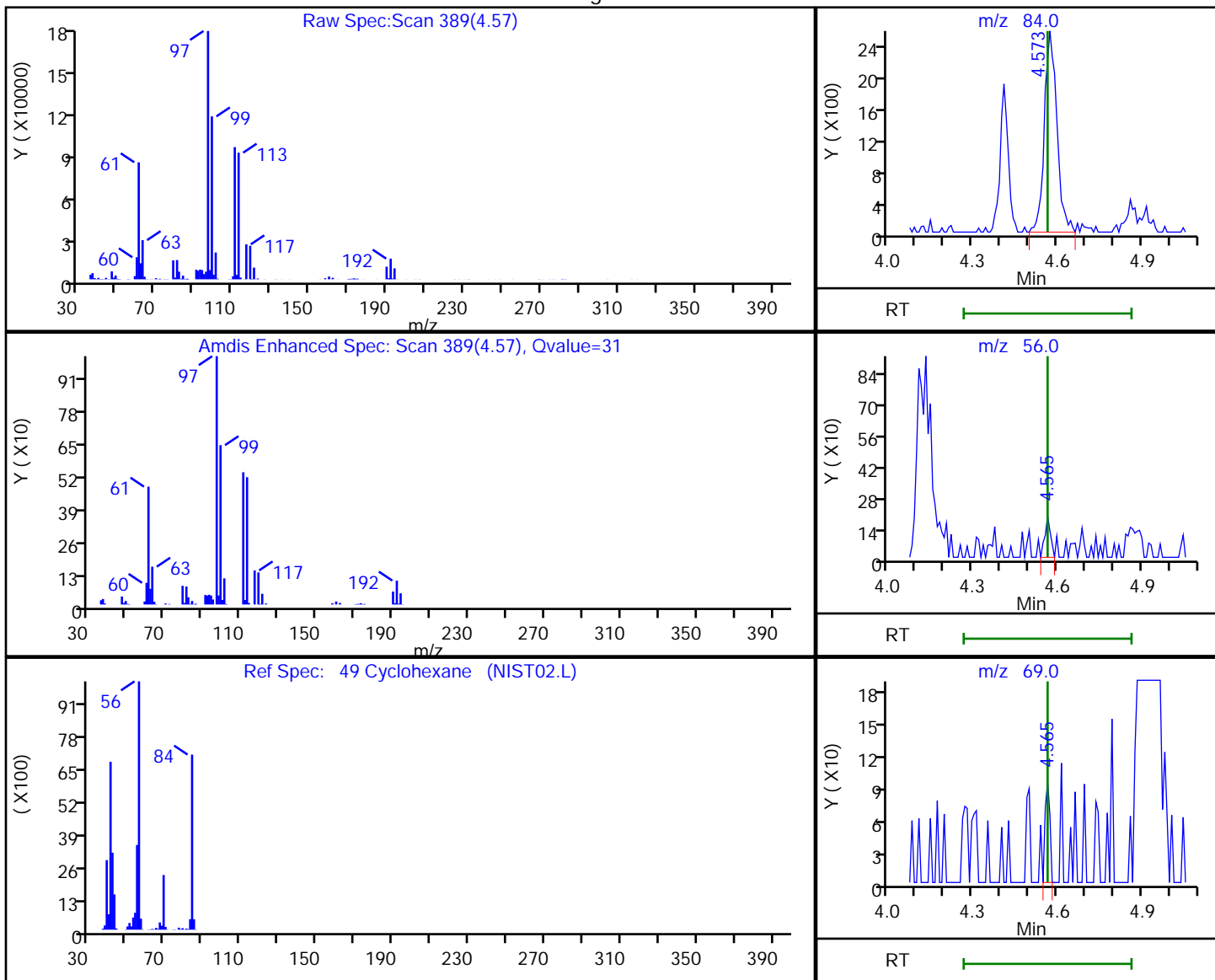
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D  
 Injection Date: 19-Jan-2021 23:18:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-1 Lab Sample ID: 460-226624-1  
 Client ID: ERM-MW-05D  
 Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 5.000 mL Dil. Factor: 2.0000  
 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
4.57	84.00	7954	1.240831
4.57	56.00	265	
4.57	69.00	108	

Reviewer: delpolitov, 20-Jan-2021 20:39:31  
 Audit Action: Marked Compound Undetected

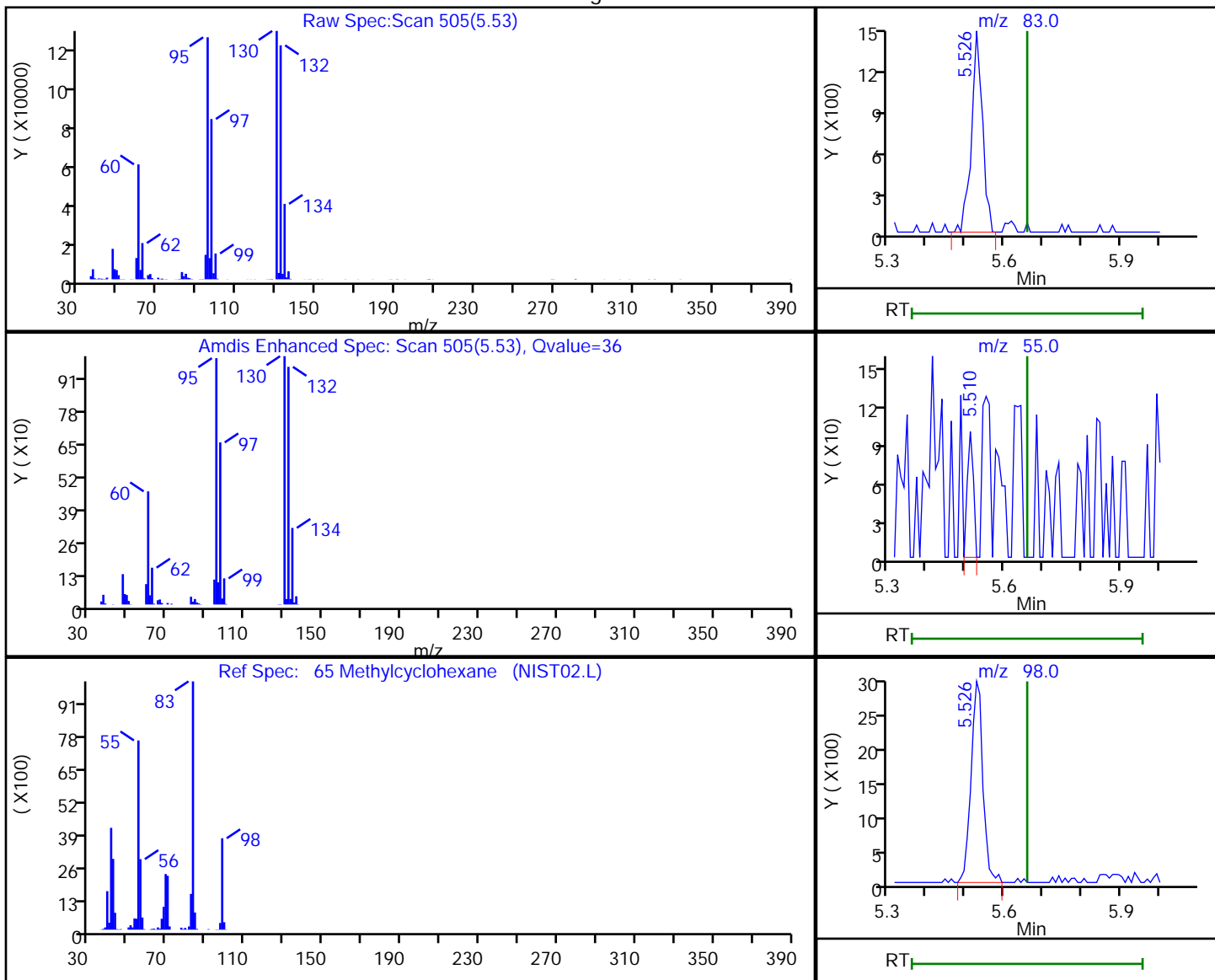
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09743.D  
 Injection Date: 19-Jan-2021 23:18:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-1 Lab Sample ID: 460-226624-1  
 Client ID: ERM-MW-05D  
 Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 5.000 mL Dil. Factor: 2.0000  
 Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
 Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

65 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
5.53	83.00	2961	0.423794
5.51	55.00	106	
5.53	98.00	6320	

Reviewer: moroneyc, 20-Jan-2021 07:53:14  
 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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ERM-MW-06D Lab Sample ID: 460-226624-2  
 Matrix: Water Lab File ID: F09741.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 11:01  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 22:29  
 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.: 753821 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	1.4		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	35		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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ERM-MW-06D Lab Sample ID: 460-226624-2  
 Matrix: Water Lab File ID: F09741.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 11:01  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 22:29  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
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
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)	100		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	98		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09741.D  
 Lims ID: 460-226624-D-2  
 Client ID: ERM-MW-06D  
 Sample Type: Client  
 Inject. Date: 19-Jan-2021 22:29:30 ALS Bottle#: 12 Worklist Smp#: 13  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-226624-d-2  
 Misc. Info.: 460-0123057-013  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 07:58:13 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1621

First Level Reviewer: yallabg Date: 19-Jan-2021 23:34:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.119	3.119	0.000	0	443972	1000.0	
* 38 2-Butanone-d5	46	4.113	4.121	-0.008	0	465864	250.0	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	97	194234	50.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	224886	50.0	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	711042	50.0	
63 Trichloroethene	95	5.526	5.526	0.000	93	4338	1.38	
* 67 1,4-Dioxane-d8	96	5.863	5.872	-0.009	0	37360	1000.0	
\$ 78 Toluene-d8 (Surr)	98	6.817	6.825	-0.009	99	709266	52.1	
83 Tetrachloroethene	166	7.499	7.498	0.000	97	99124	34.5	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	88	463267	50.0	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	86	200534	48.8	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	285533	50.0	

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR\_00042 Amount Added: 5.00 Units: uL Run Reagent



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09741.D

Injection Date: 19-Jan-2021 22:29:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: 460-226624-D-2

Lab Sample ID: 460-226624-2

Worklist Smp#: 13

Client ID: ERM-MW-06D

Purge Vol: 5.000 mL

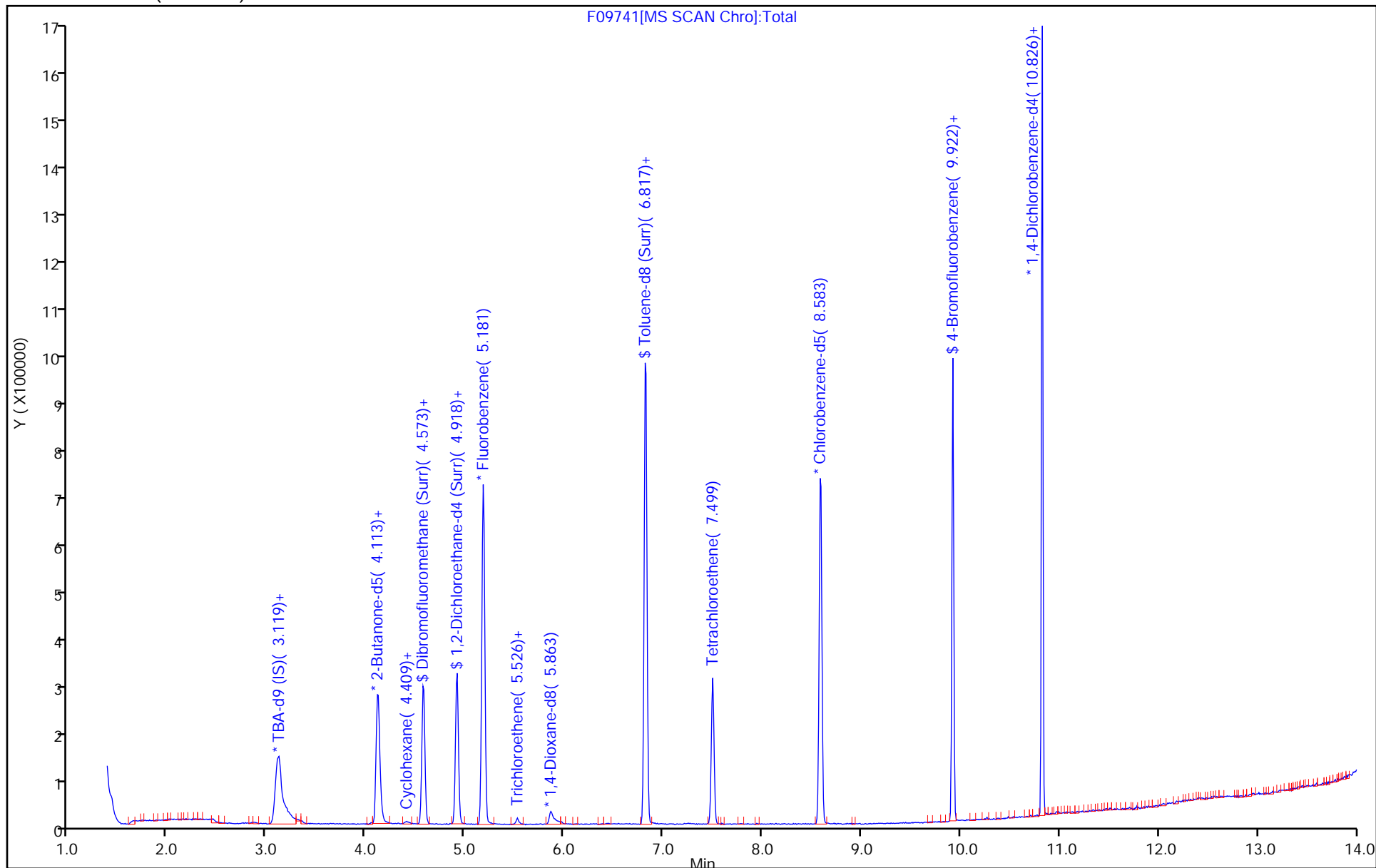
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09741.D

Injection Date: 19-Jan-2021 22:29:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-D-2

Lab Sample ID: 460-226624-2

Client ID: ERM-MW-06D

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

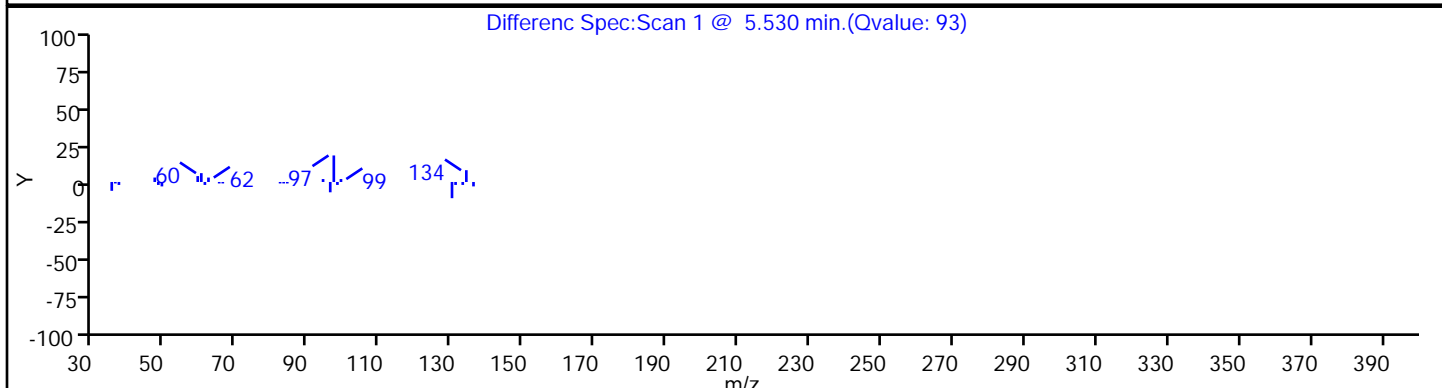
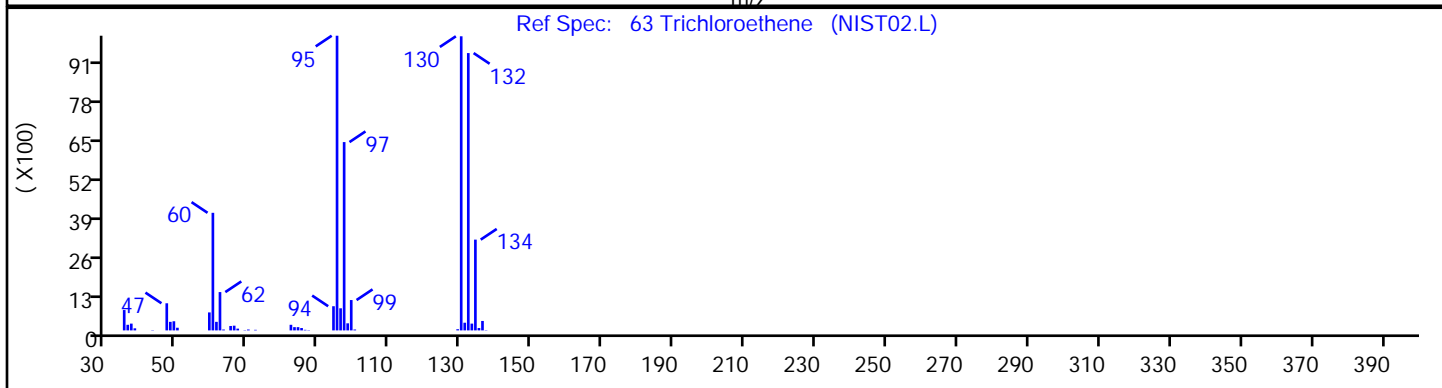
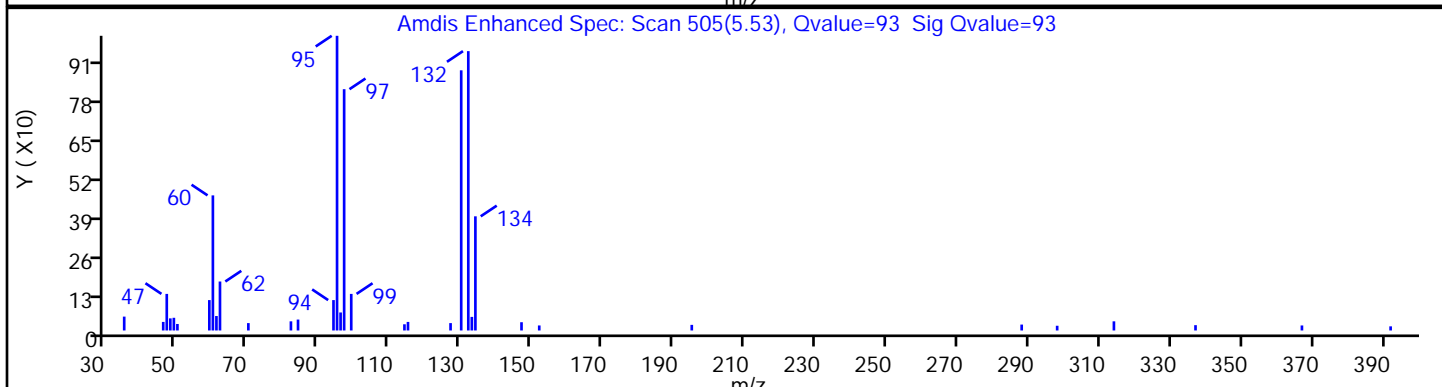
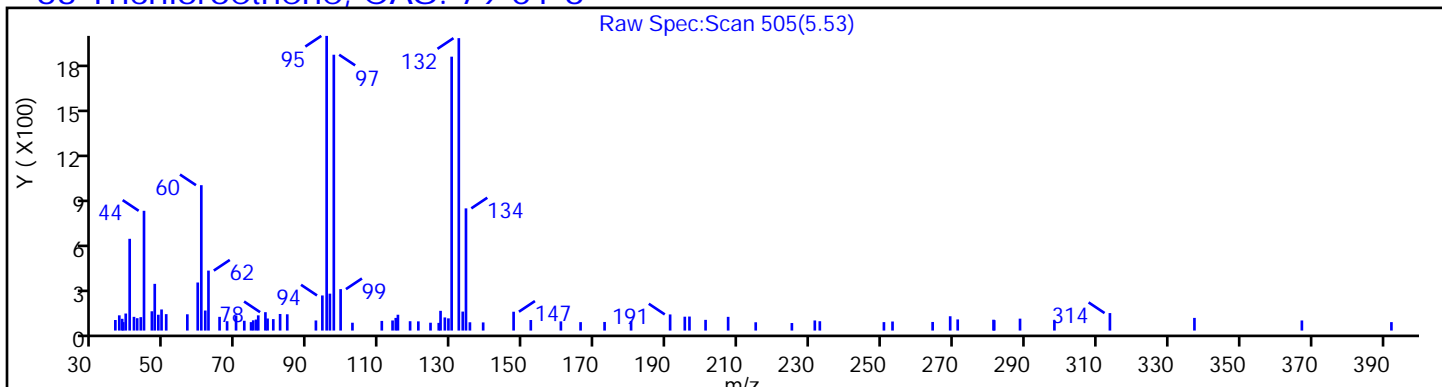
Method: 8260624W6

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\20210119-123057.b\F09741.D

Injection Date: 19-Jan-2021 22:29:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-D-2

Lab Sample ID: 460-226624-2

Client ID: ERM-MW-06D

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

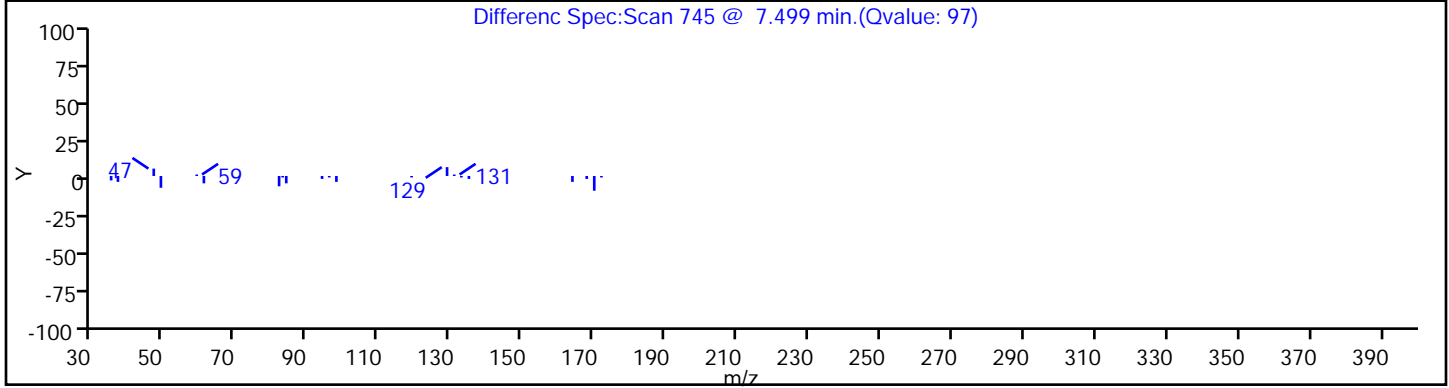
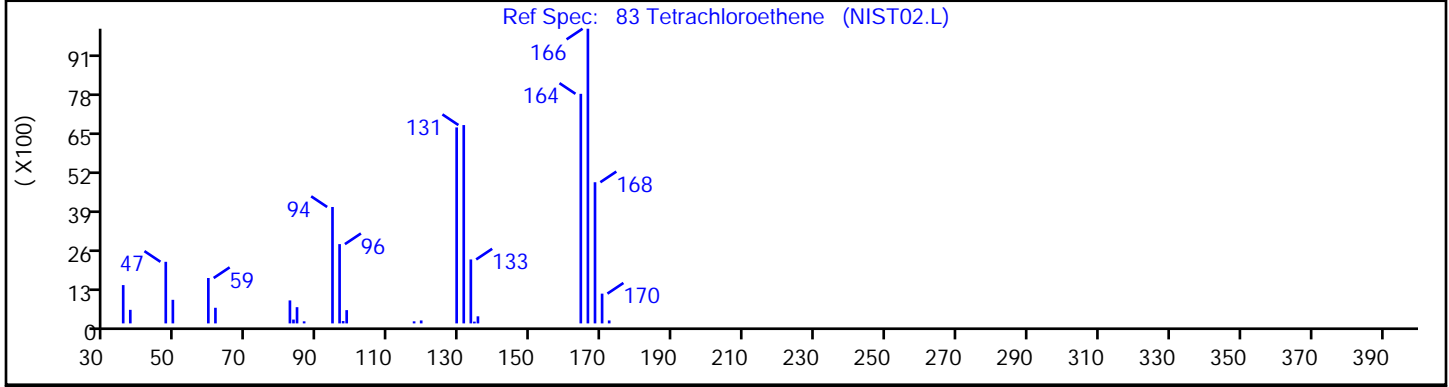
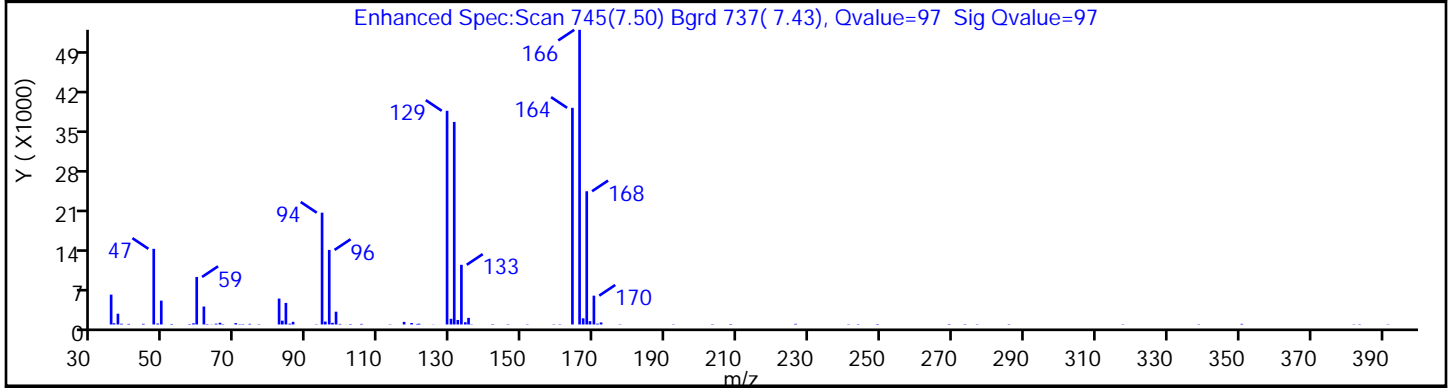
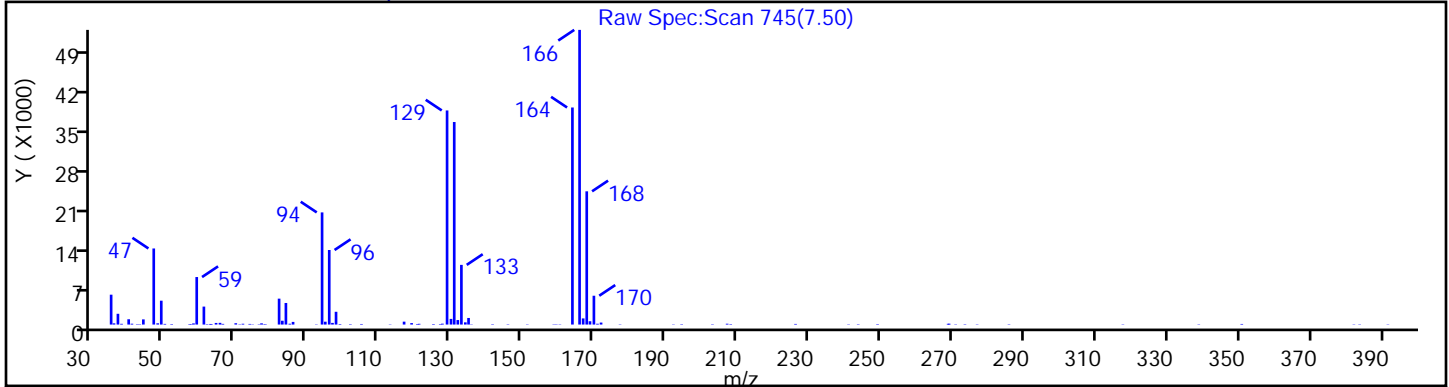
Method: 8260624W6

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\20210119-123057.b\F09741.D

Injection Date: 19-Jan-2021 22:29:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-D-2

Lab Sample ID: 460-226624-2

Client ID: ERM-MW-06D

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W6

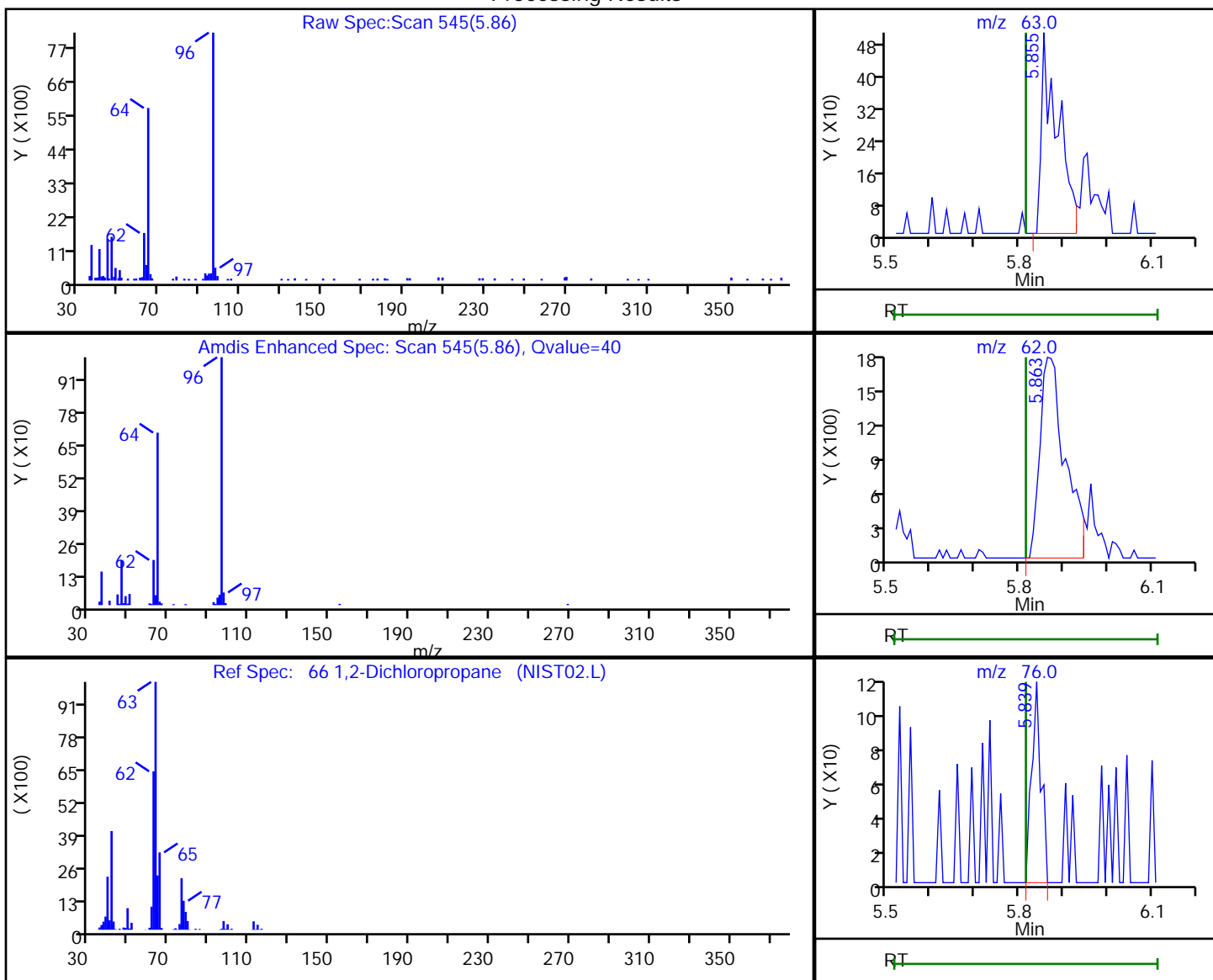
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

66 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
5.86	63.00	1319	0.381163
5.86	62.00	6772	
5.84	76.00	171	
5.81	112.00	0	

Reviewer: moroneyc, 20-Jan-2021 07:52:15

Audit Action: Marked Compound Undetected

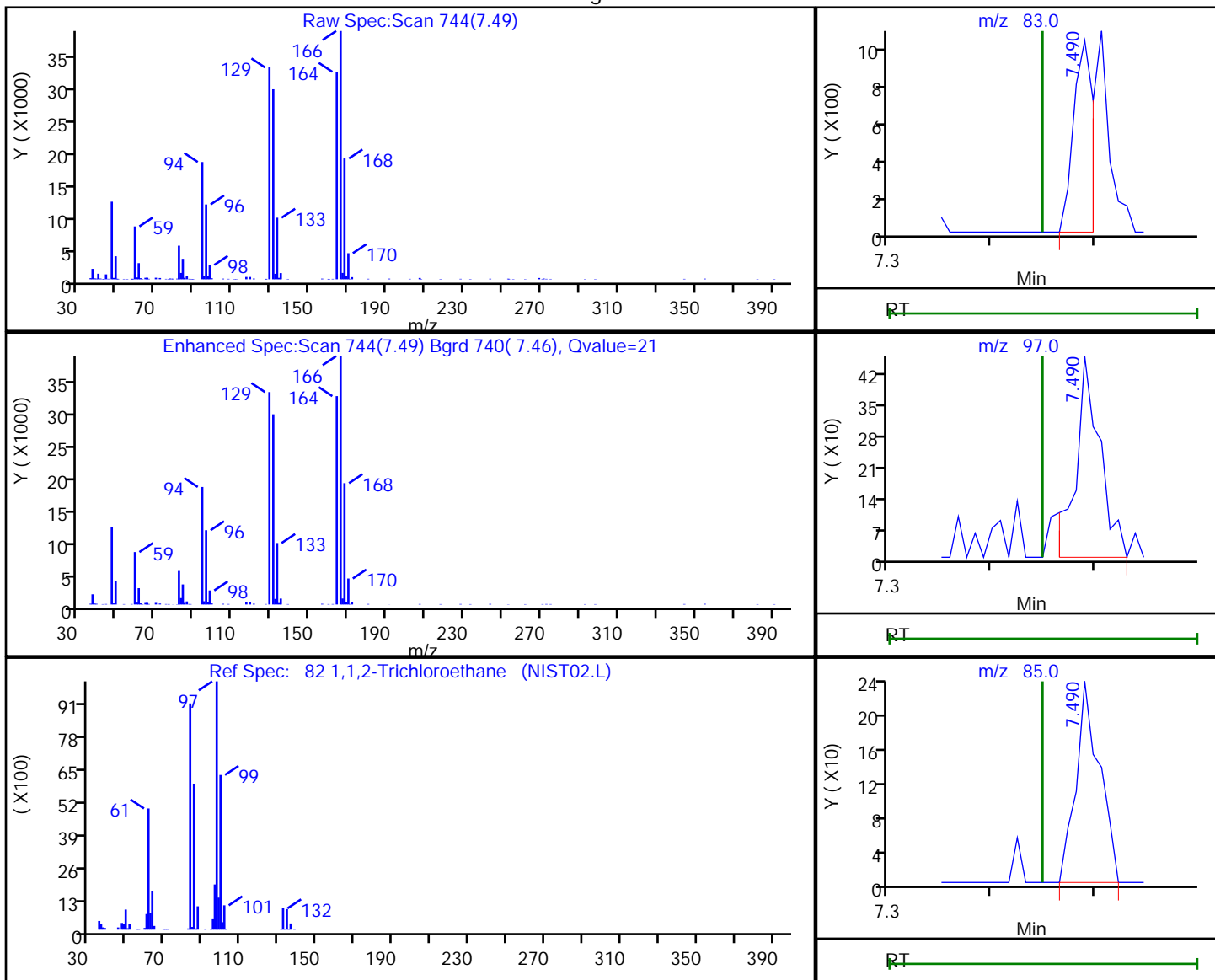
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfms\Edison\ChromData\CVOAMS6\20210119-123057.b\F09741.D  
Injection Date: 19-Jan-2021 22:29:30 Instrument ID: CVOAMS6  
Lims ID: 460-226624-D-2 Lab Sample ID: 460-226624-2  
Client ID: ERM-MW-06D  
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 5.000 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
7.49	83.00	1316	0.604077
7.49	97.00	757	
7.49	85.00	373	

Reviewer: moroneyc, 20-Jan-2021 07:52:18  
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09741.D

Injection Date: 19-Jan-2021 22:29:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-D-2

Lab Sample ID: 460-226624-2

Client ID: ERM-MW-06D

Operator ID:

ALS Bottle#:

12

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W6

Limit Group:

VOA - 8260D Water and Solid

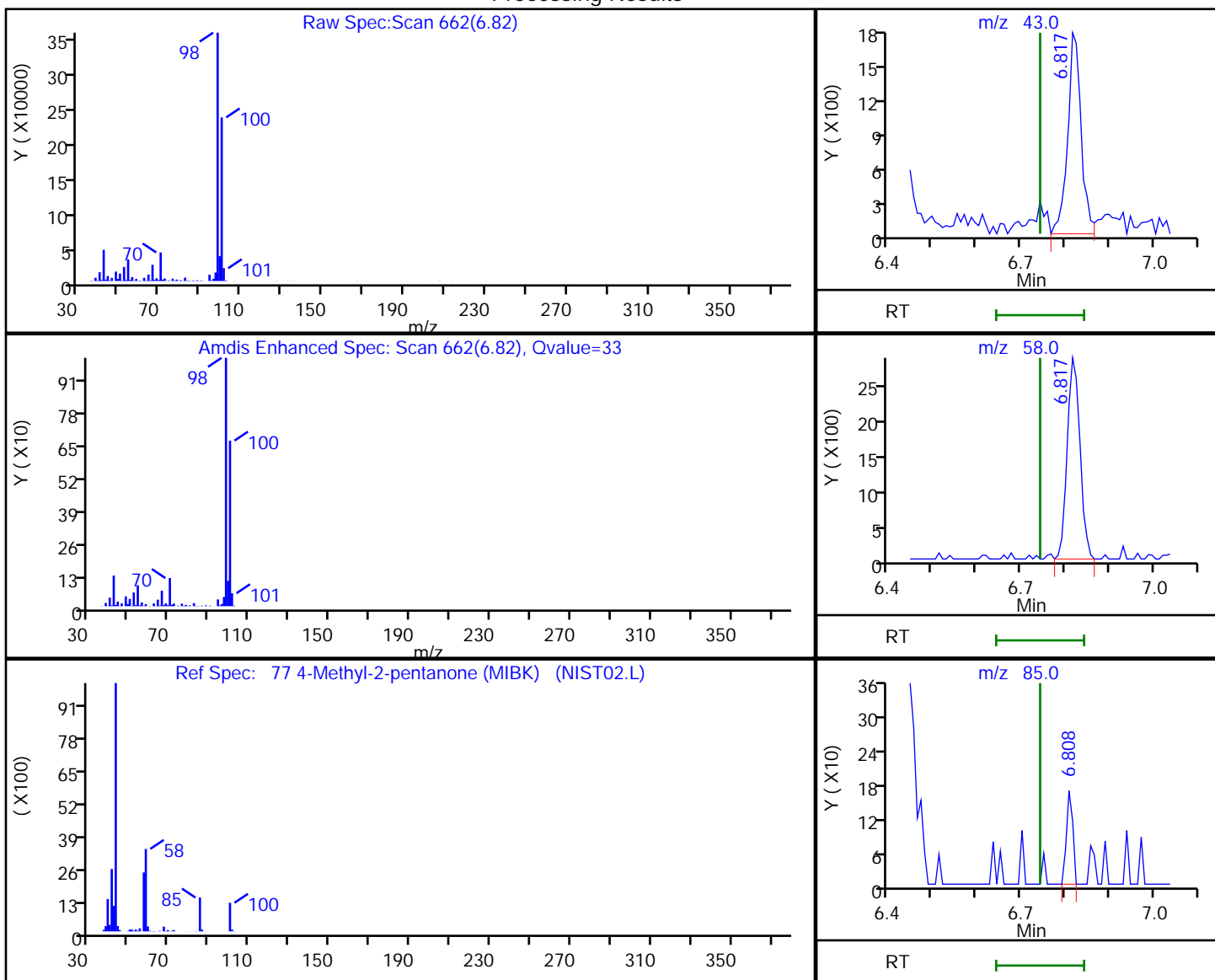
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

77 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.82	43.00	3807	0.899984
6.82	58.00	5853	
6.81	85.00	168	
6.82	100.00	469475	

Reviewer: moroneyc, 20-Jan-2021 07:52:16

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ERM-MW-01D Lab Sample ID: 460-226624-3  
 Matrix: Water Lab File ID: F09742.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 11:32  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 22:53  
 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.: 753821 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	0.39	J	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	0.77	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	84		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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: ERM-MW-01D Lab Sample ID: 460-226624-3  
 Matrix: Water Lab File ID: F09742.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 11:32  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 22:53  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
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
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)	100		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene	94		76-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-124



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09742.D  
 Lims ID: 460-226624-C-3  
 Client ID: ERM-MW-01D  
 Sample Type: Client  
 Inject. Date: 19-Jan-2021 22:53:30 ALS Bottle#: 13 Worklist Smp#: 14  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-226624-c-3  
 Misc. Info.: 460-0123057-014  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 20:36:30 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1608

First Level Reviewer: yallabg

Date: 20-Jan-2021 00:42:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.111	3.119	-0.008	0	427115	1000.0	
* 38 2-Butanone-d5	46	4.121	4.121	0.000	0	466082	250.0	
50 1,1,1-Trichloroethane	97	4.565	4.573	-0.008	35	2069	0.3861	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	96	193480	50.0	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	225392	49.9	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	715005	50.0	
63 Trichloroethene	95	5.526	5.526	0.000	95	2439	0.7727	
* 67 1,4-Dioxane-d8	96	5.863	5.872	-0.009	0	35272	1000.0	
\$ 78 Toluene-d8 (Surr)	98	6.816	6.825	-0.009	99	729221	51.4	
83 Tetrachloroethene	166	7.498	7.498	0.000	97	250810	83.9	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	88	482431	50.0	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	86	202259	47.2	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	285442	50.0	

## QC Flag Legend

Processing Flags

## Reagents:

VOA6IS/SURR\_00042

Amount Added: 5.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09742.D

Injection Date: 19-Jan-2021 22:53:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: 460-226624-C-3

Lab Sample ID: 460-226624-3

Worklist Smp#: 14

Client ID: ERM-MW-01D

Purge Vol: 5.000 mL

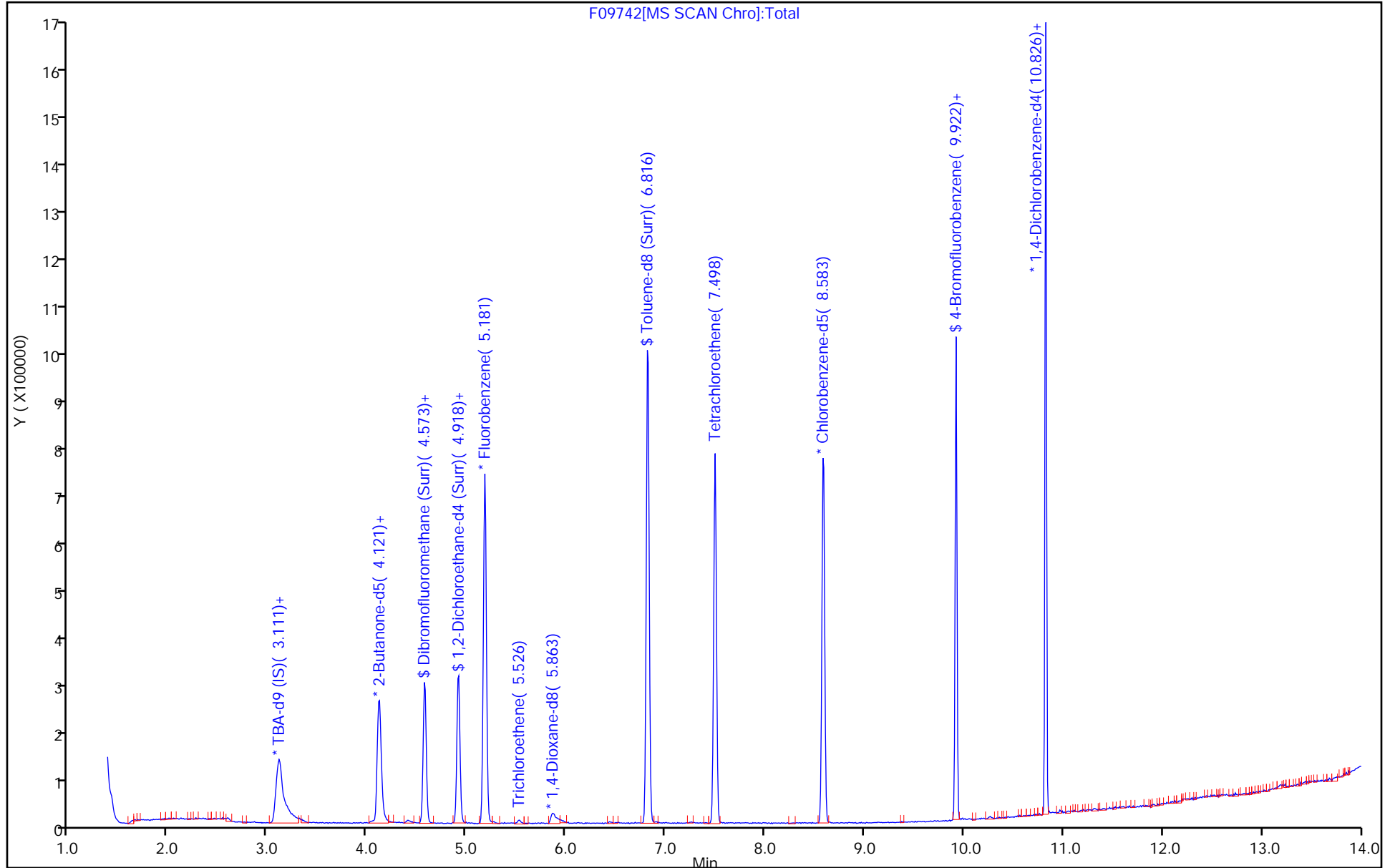
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09742.D

Injection Date: 19-Jan-2021 22:53:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-3

Lab Sample ID: 460-226624-3

Client ID: ERM-MW-01D

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

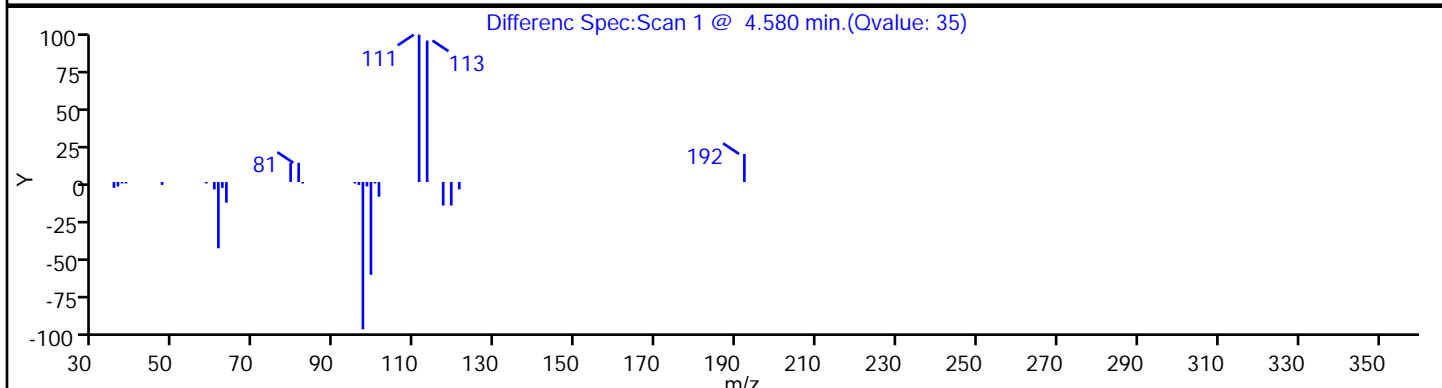
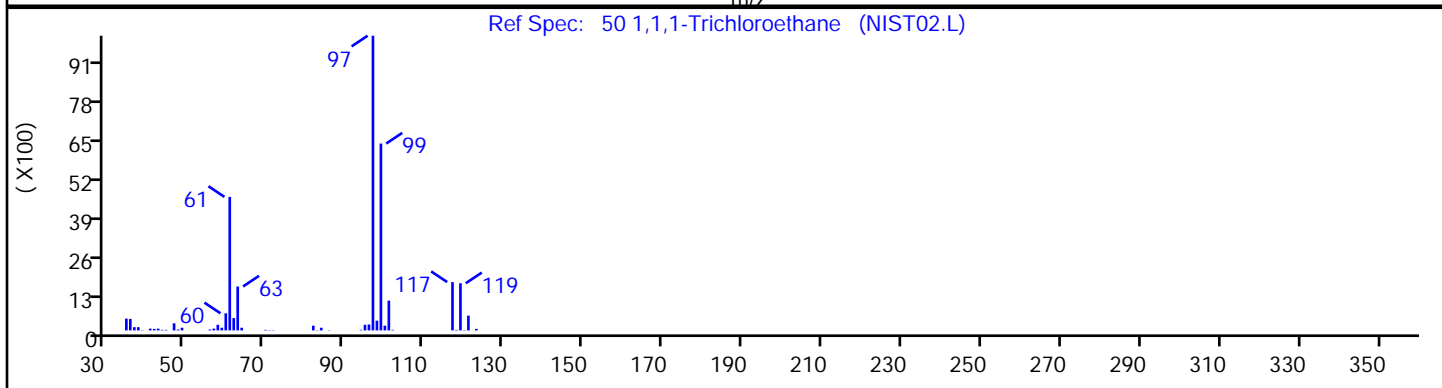
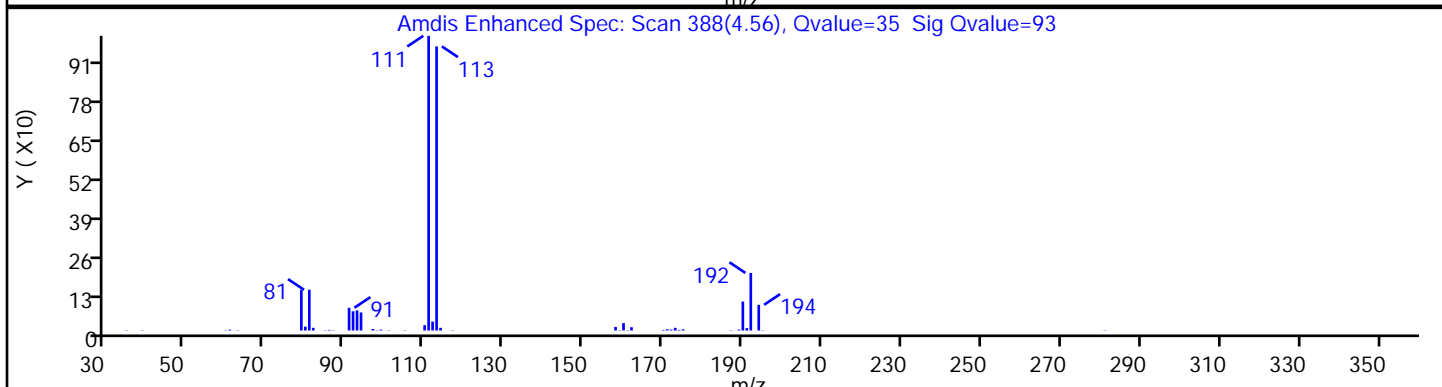
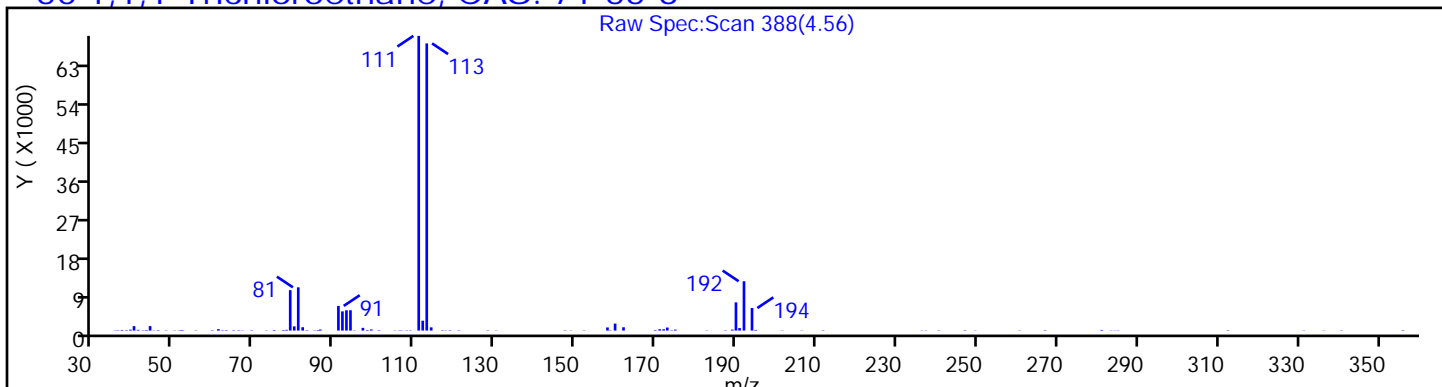
Method: 8260624W6

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



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09742.D

Injection Date: 19-Jan-2021 22:53:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-3

Lab Sample ID: 460-226624-3

Client ID: ERM-MW-01D

Operator ID:

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

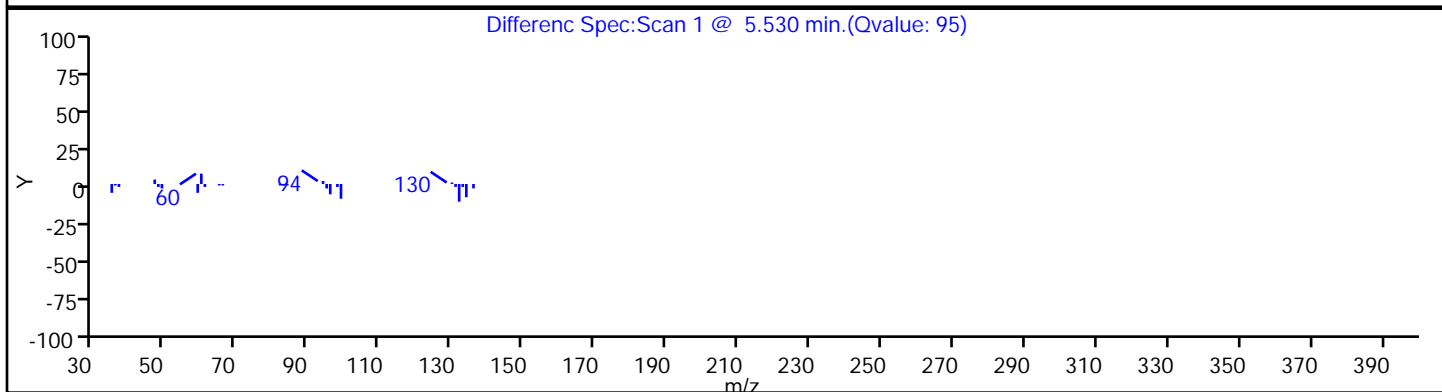
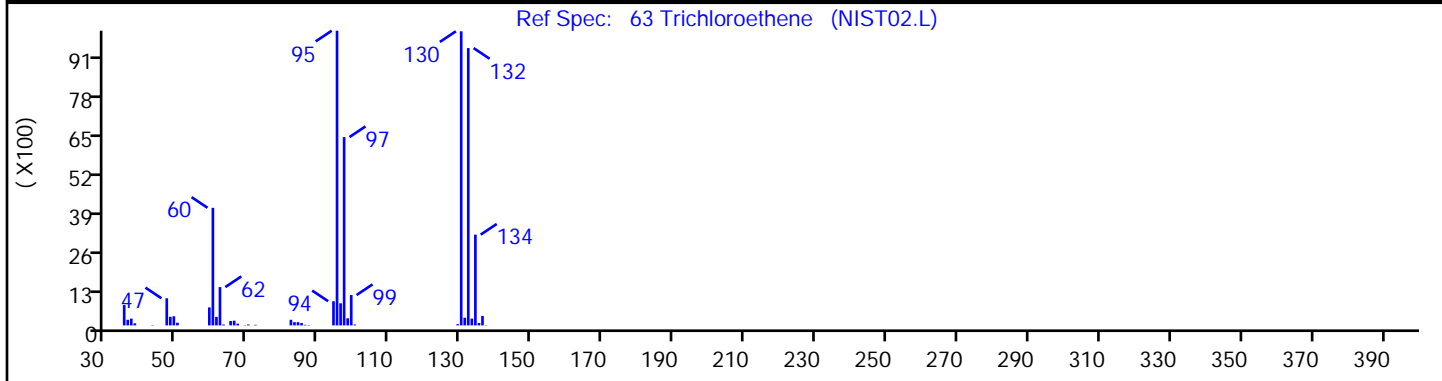
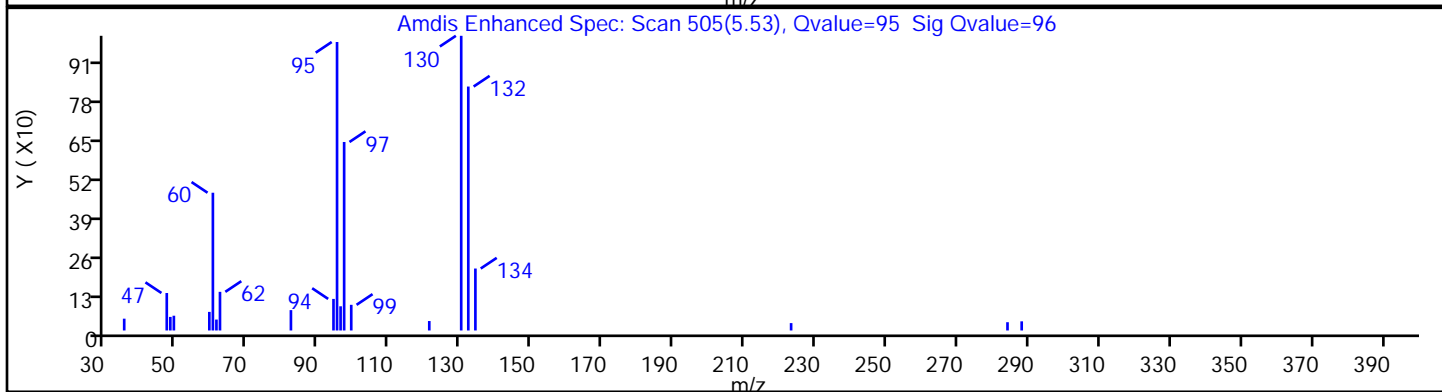
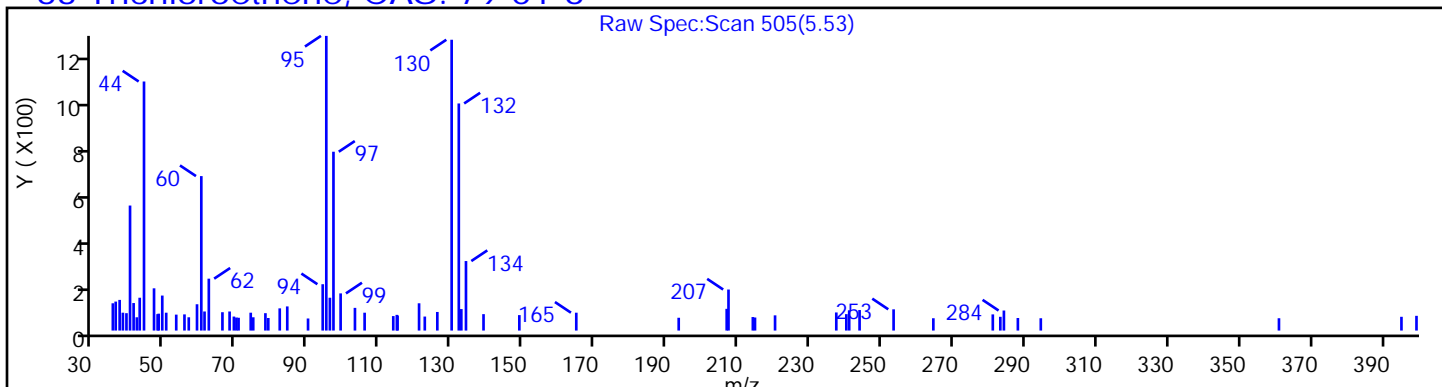
Method: 8260624W6

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\20210119-123057.b\F09742.D

Injection Date: 19-Jan-2021 22:53:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-3

Lab Sample ID: 460-226624-3

Client ID: ERM-MW-01D

Operator ID:

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

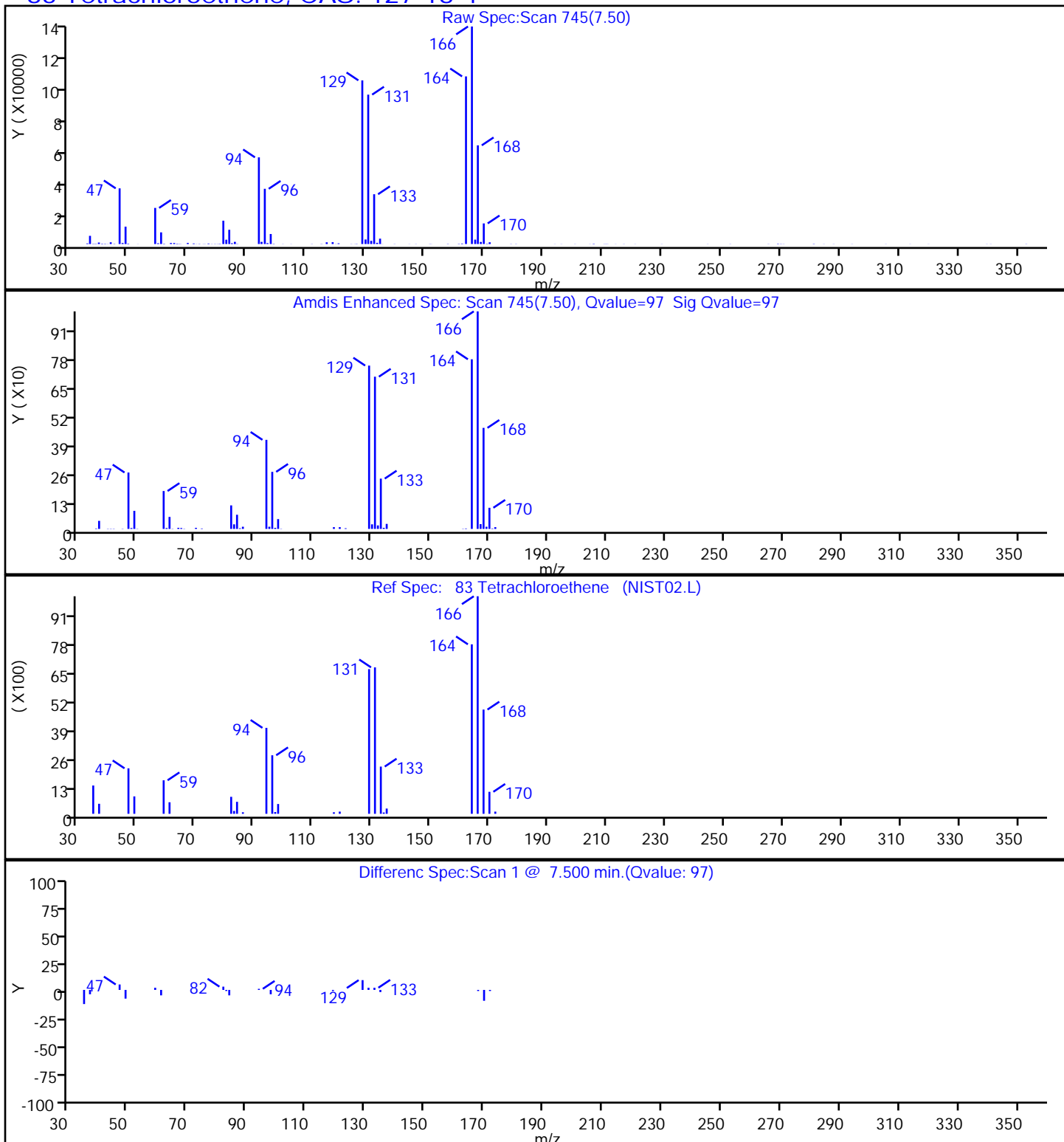
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

### 83 Tetrachloroethene, CAS: 127-18-4

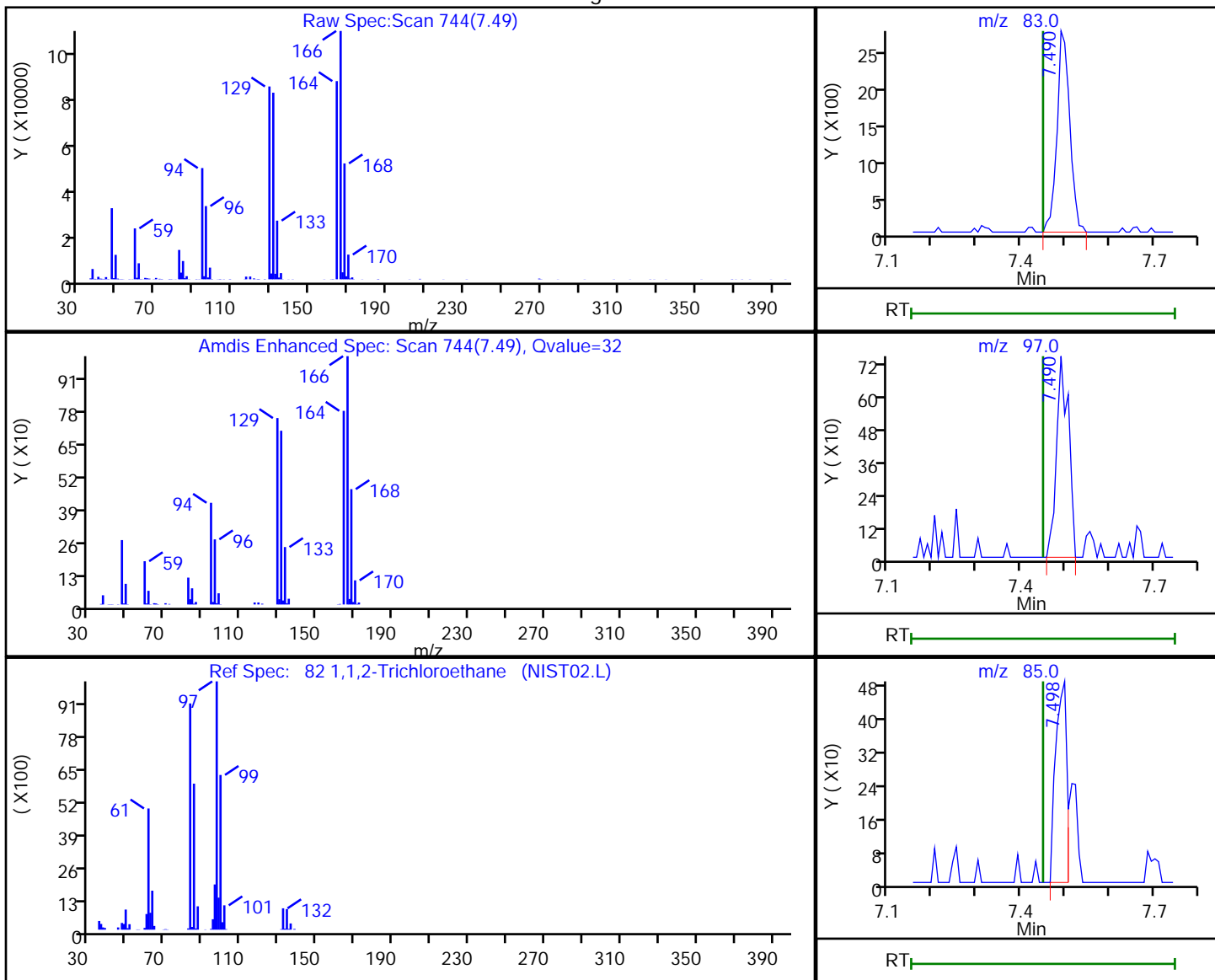


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09742.D  
 Injection Date: 19-Jan-2021 22:53:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-3 Lab Sample ID: 460-226624-3  
 Client ID: ERM-MW-01D  
 Operator ID: ALS Bottle#: 13 Worklist Smp#: 14  
 Purge Vol: 5.000 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
7.49	83.00	5579	2.459172
7.49	97.00	1422	
7.50	85.00	859	

Reviewer: moroneyc, 20-Jan-2021 07:52:38

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: MW-102D Lab Sample ID: 460-226624-4  
 Matrix: Water Lab File ID: F09744.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 12:26  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 23:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 50  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	50	U	50	20
74-83-9	Bromomethane	50	U	50	28
75-01-4	Vinyl chloride	50	U	50	8.6
75-00-3	Chloroethane	50	U	50	16
75-09-2	Methylene Chloride	50	U	50	16
67-64-1	Acetone	330	B	250	220
75-15-0	Carbon disulfide	50	U	50	41
75-69-4	Trichlorofluoromethane	50	U	50	16
75-35-4	1,1-Dichloroethene	50	U	50	13
75-34-3	1,1-Dichloroethane	35	J	50	13
156-60-5	trans-1,2-Dichloroethene	50	U	50	12
156-59-2	cis-1,2-Dichloroethene	18	J	50	11
67-66-3	Chloroform	50	U	50	16
107-06-2	1,2-Dichloroethane	50	U	50	22
78-93-3	2-Butanone (MEK)	250	U	250	93
71-55-6	1,1,1-Trichloroethane	1000		50	12
56-23-5	Carbon tetrachloride	50	U	50	10
75-27-4	Dichlorobromomethane	50	U	50	17
78-87-5	1,2-Dichloropropane	50	U	50	18
10061-01-5	cis-1,3-Dichloropropene	50	U	50	11
79-01-6	Trichloroethene	1000		50	16
124-48-1	Chlorodibromomethane	50	U	50	14
79-00-5	1,1,2-Trichloroethane	50	U	50	10
71-43-2	Benzene	50	U	50	10
10061-02-6	trans-1,3-Dichloropropene	50	U	50	11
75-25-2	Bromoform	50	U	50	27
108-10-1	4-Methyl-2-pentanone (MIBK)	250	U	250	65
591-78-6	2-Hexanone	250	U	250	57
127-18-4	Tetrachloroethene	12000		50	12
79-34-5	1,1,2,2-Tetrachloroethane	50	U	50	18
108-88-3	Toluene	22	J	50	19
108-90-7	Chlorobenzene	50	U	50	19
100-41-4	Ethylbenzene	50	U	50	15
100-42-5	Styrene	50	U	50	21
179601-23-1	m-Xylene & p-Xylene	20	J	50	15
95-47-6	o-Xylene	50	U	50	18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: MW-102D Lab Sample ID: 460-226624-4  
 Matrix: Water Lab File ID: F09744.D  
 Analysis Method: 8260D Date Collected: 01/13/2021 12:26  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 23:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 50  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	16
1634-04-4	Methyl tert-butyl ether	50	U	50	11
110-82-7	Cyclohexane	50	U	50	16
106-93-4	Ethylene Dibromide	50	U	50	25
541-73-1	1,3-Dichlorobenzene	50	U	50	17
106-46-7	1,4-Dichlorobenzene	50	U	50	17
95-50-1	1,2-Dichlorobenzene	54		50	11
75-71-8	Dichlorodifluoromethane	50	U	50	16
120-82-1	1,2,4-Trichlorobenzene	50	U	50	18
123-91-1	1,4-Dioxane	2500	U *	2500	1400
87-61-6	1,2,3-Trichlorobenzene	50	U	50	18
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	19
74-97-5	Chlorobromomethane	50	U	50	21
98-82-8	Isopropylbenzene	50	U	50	17
79-20-9	Methyl acetate	250	U *	250	39
108-87-2	Methylcyclohexane	50	U	50	35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	102		77-124



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
 Lims ID: 460-226624-C-4  
 Client ID: MW-102D  
 Sample Type: Client  
 Inject. Date: 19-Jan-2021 23:43:30 ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 Sample Info: 460-226624-c-4  
 Misc. Info.: 460-0123057-016  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 20:41:57 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1608

First Level Reviewer: moroneyc

Date: 20-Jan-2021 07:54:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	2.782	2.774	0.008	81	9177	6.55	
* 27 TBA-d9 (IS)	65	3.111	3.119	-0.008	0	445199	1000.0	
34 1,1-Dichloroethane	63	3.661	3.661	0.000	98	4647	0.6950	
* 38 2-Butanone-d5	46	4.121	4.121	0.000	0	481862	250.0	
40 cis-1,2-Dichloroethene	96	4.154	4.154	0.000	26	1433	0.3514	
50 1,1,1-Trichloroethane	97	4.573	4.573	0.000	97	110767	20.5	
\$ 51 Dibromofluoromethane (Surr)	113	4.581	4.573	0.008	96	198328	50.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	224048	49.3	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	719485	50.0	
63 Trichloroethene	95	5.526	5.526	0.000	98	63465	20.0	
* 67 1,4-Dioxane-d8	96	5.863	5.872	-0.009	0	34493	1000.0	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	726861	52.3	
79 Toluene	91	6.899	6.899	0.000	92	5841	0.4397	
83 Tetrachloroethene	166	7.498	7.498	0.000	96	712883	243.6	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	88	472290	50.0	
93 m-Xylene & p-Xylene	106	8.887	8.887	0.000	0	2288	0.3998	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	86	199461	47.6	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	284351	50.0	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	94	8448	1.08	a
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	88	1684	0.2828	a

## QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

## Reagents:

VOA6IS/SURR\_00042

Amount Added: 5.00

Units: uL

Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Worklist Smp#: 16

Client ID: MW-102D

Purge Vol: 5.000 mL

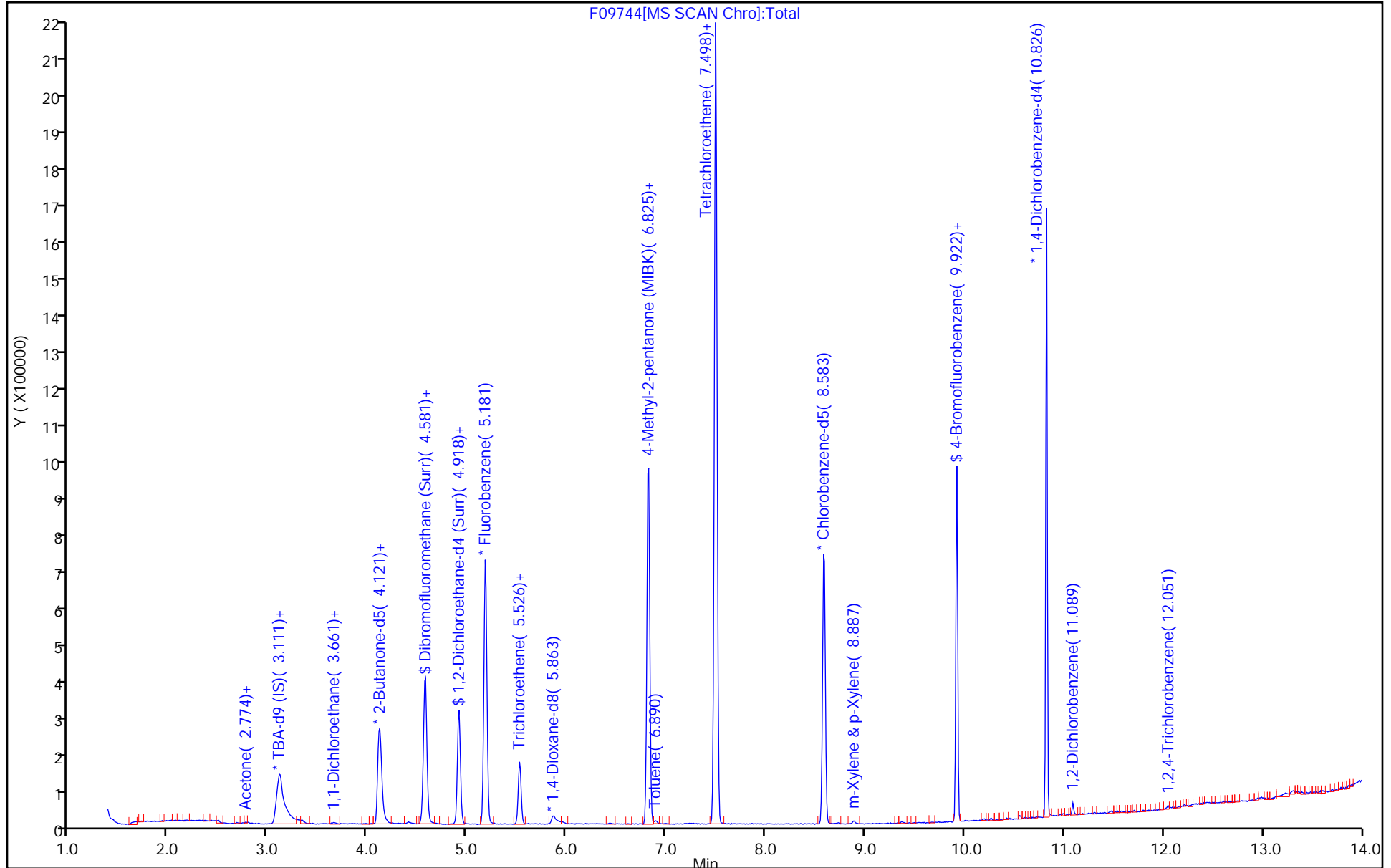
Dil. Factor: 50.0000

ALS Bottle#: 15

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

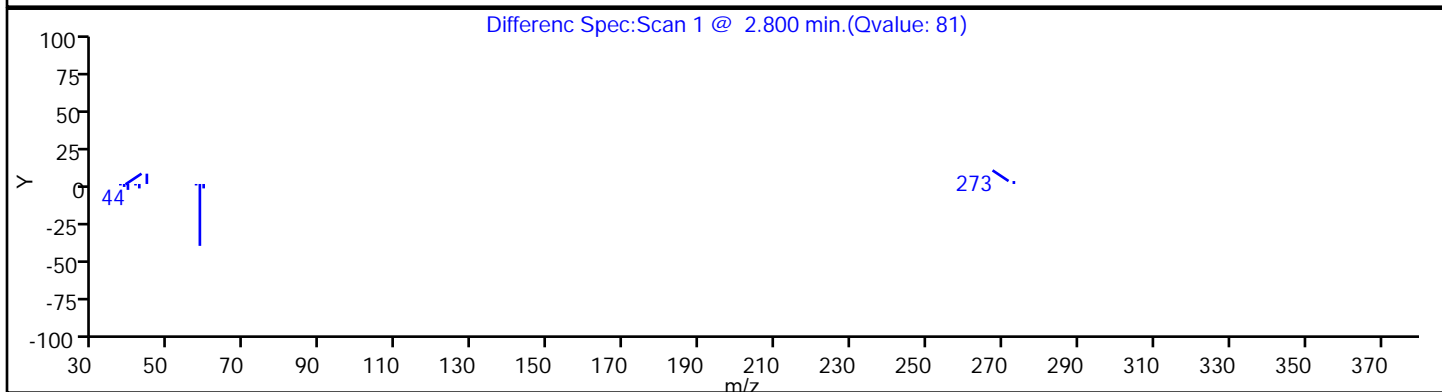
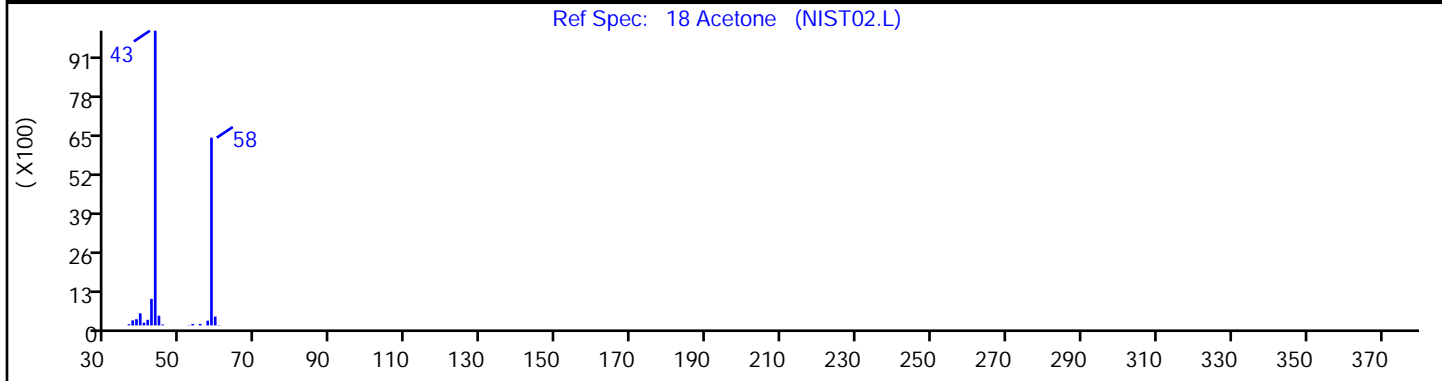
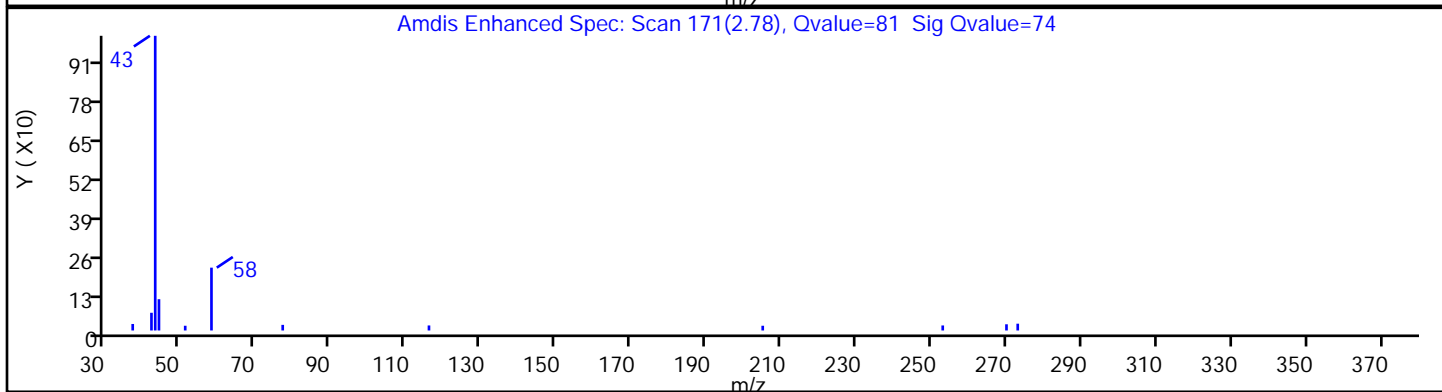
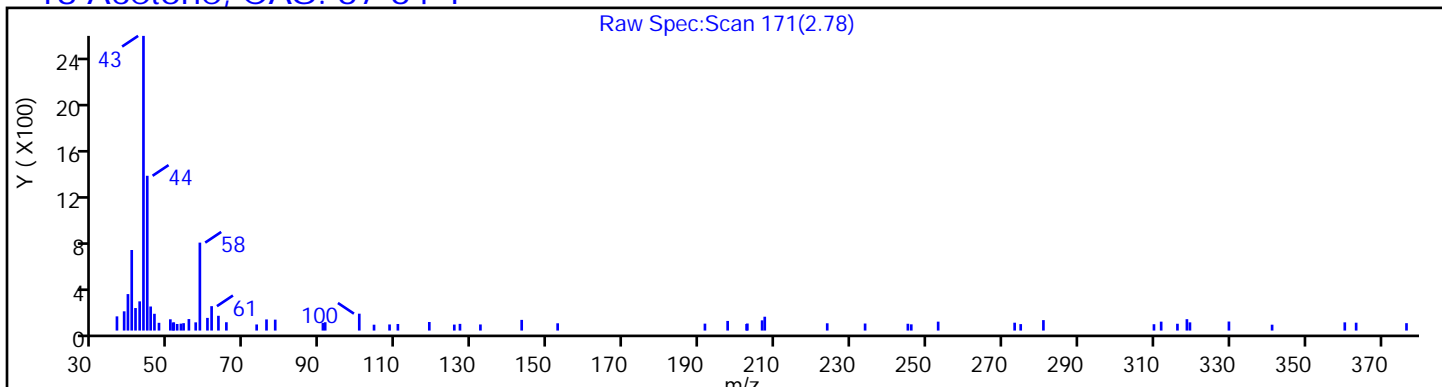
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

18 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

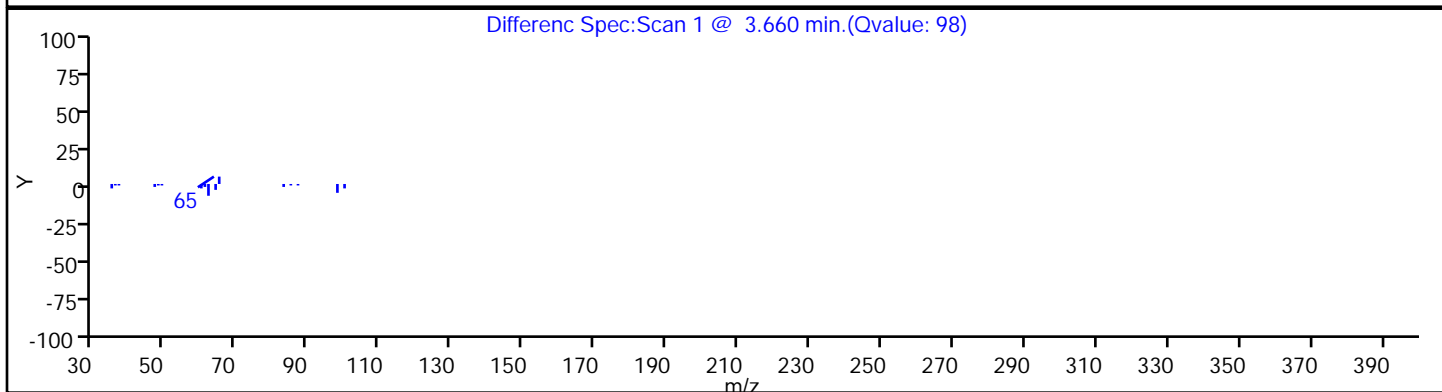
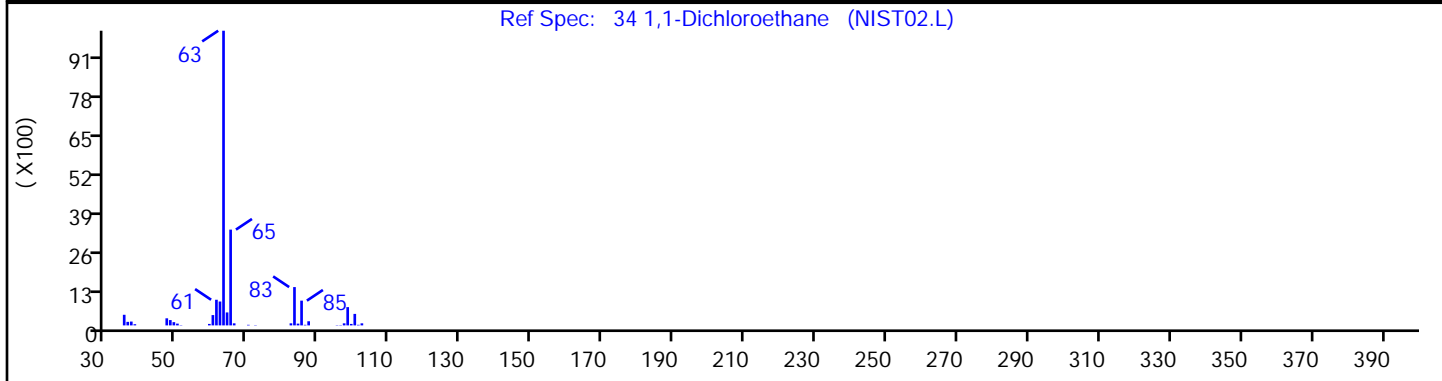
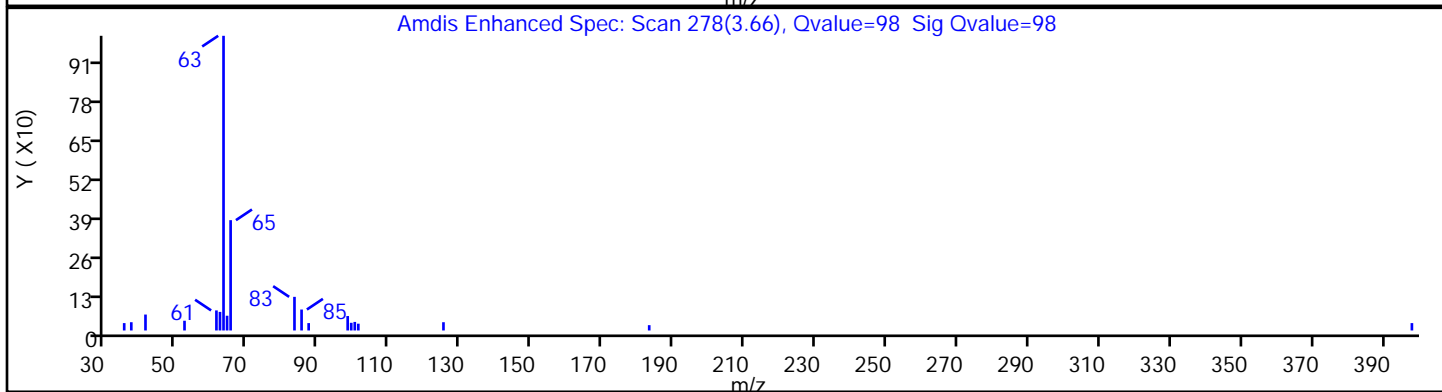
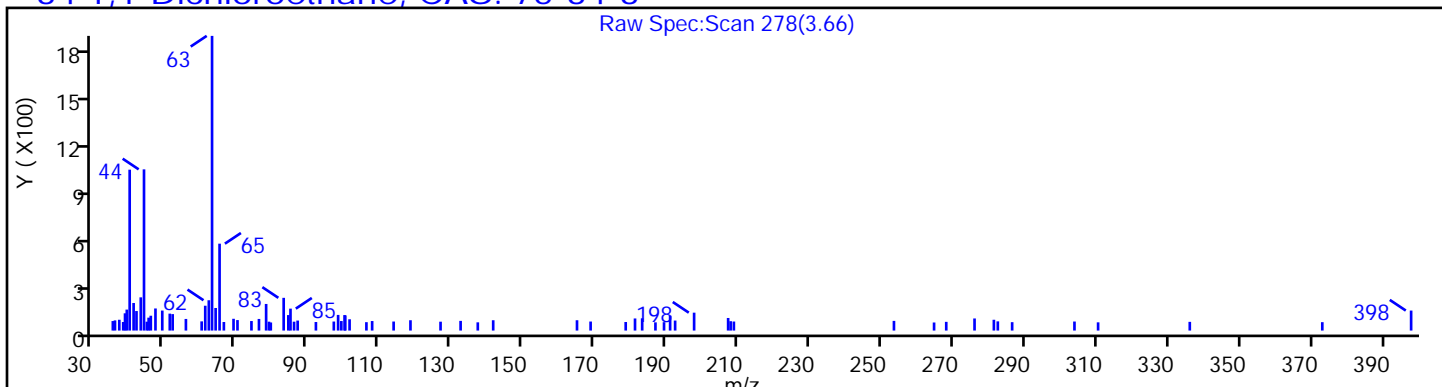
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

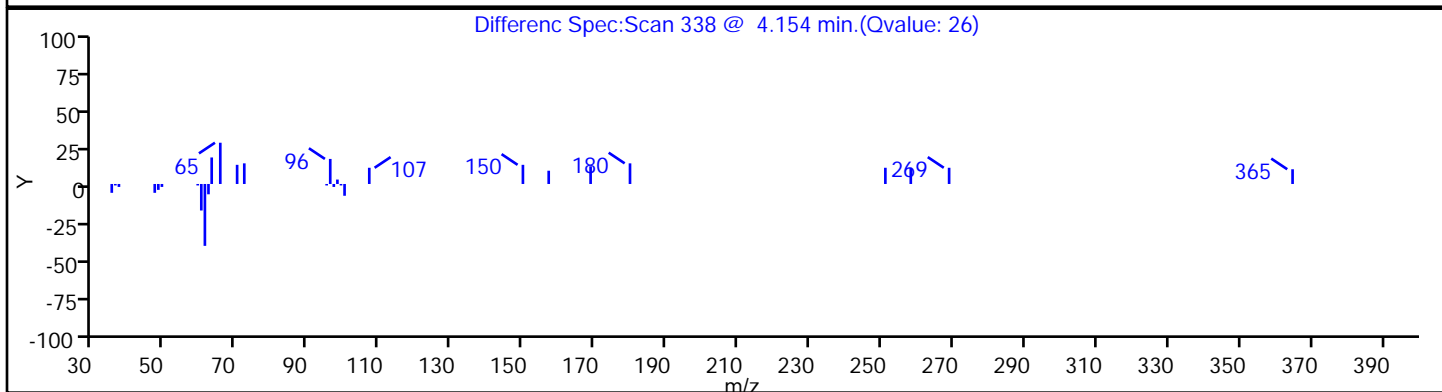
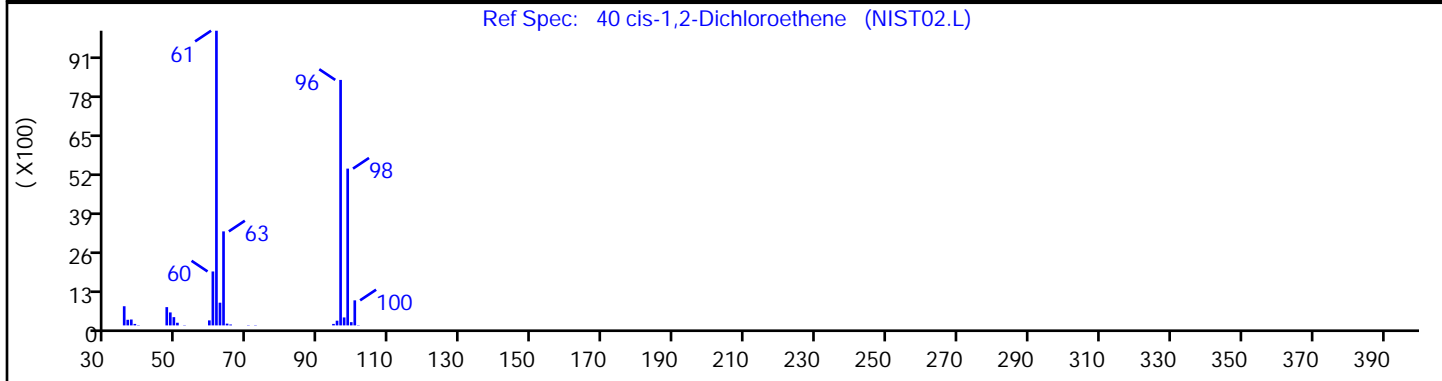
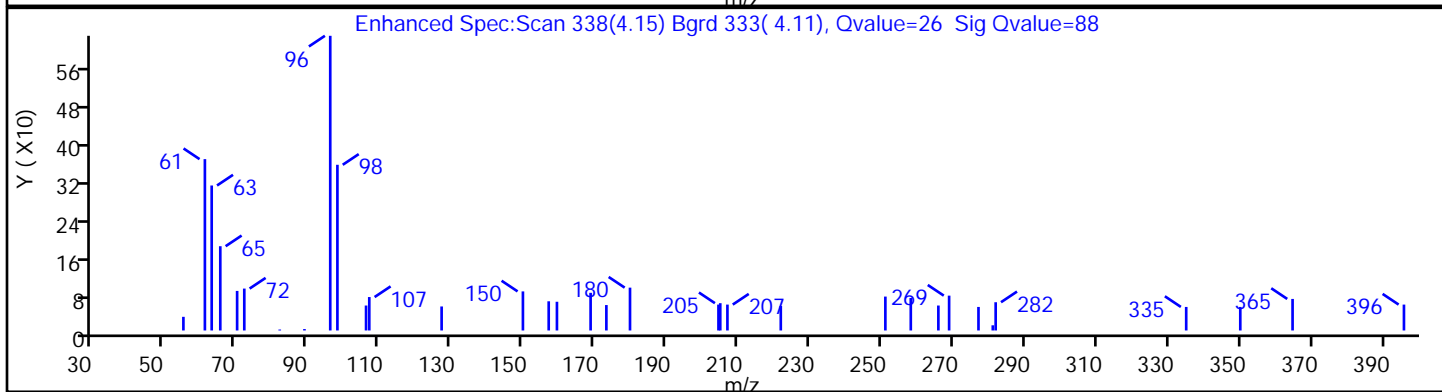
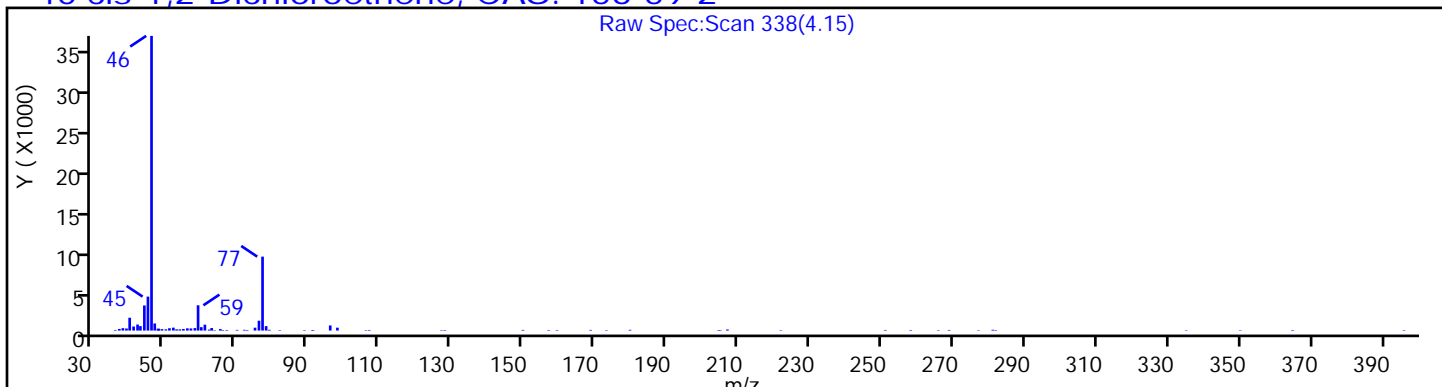
Method: 8260624W6

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\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

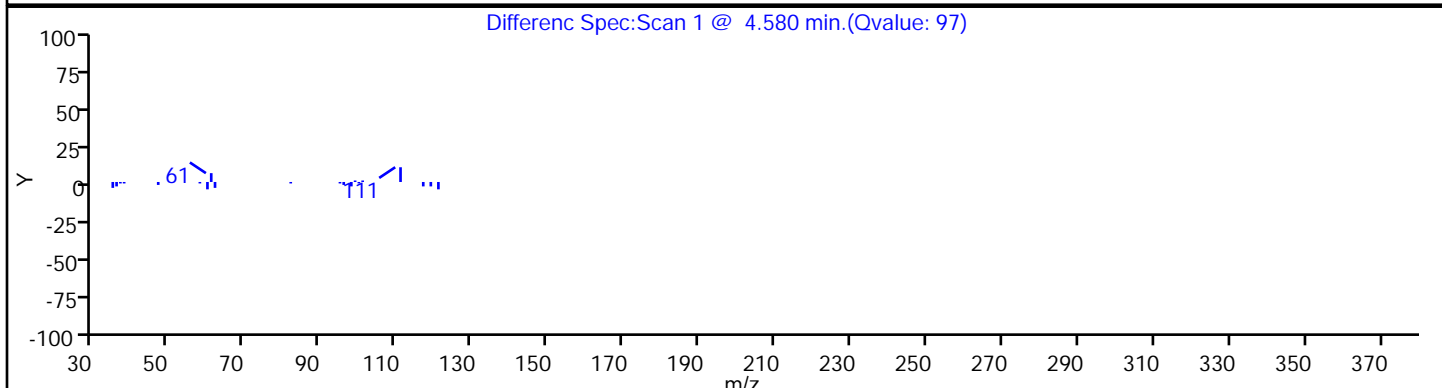
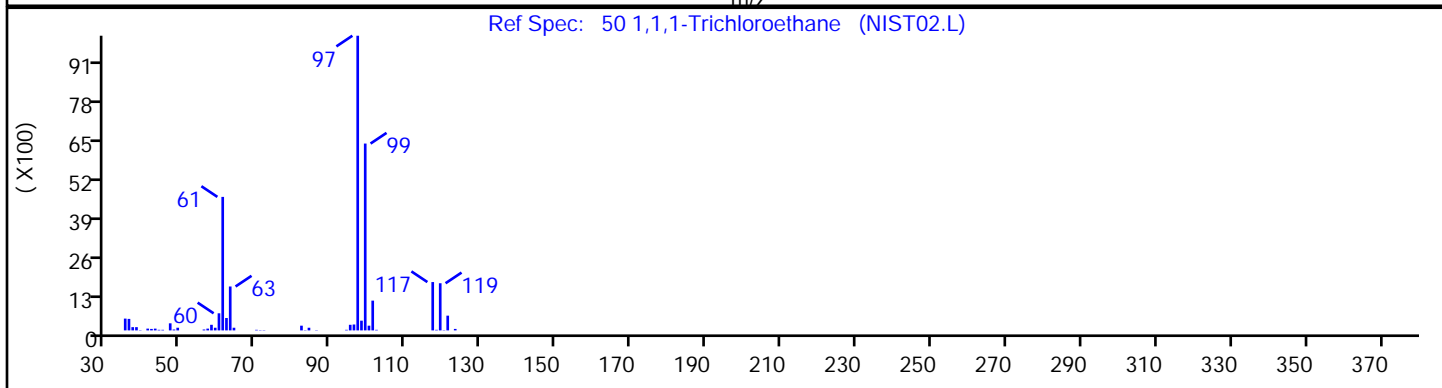
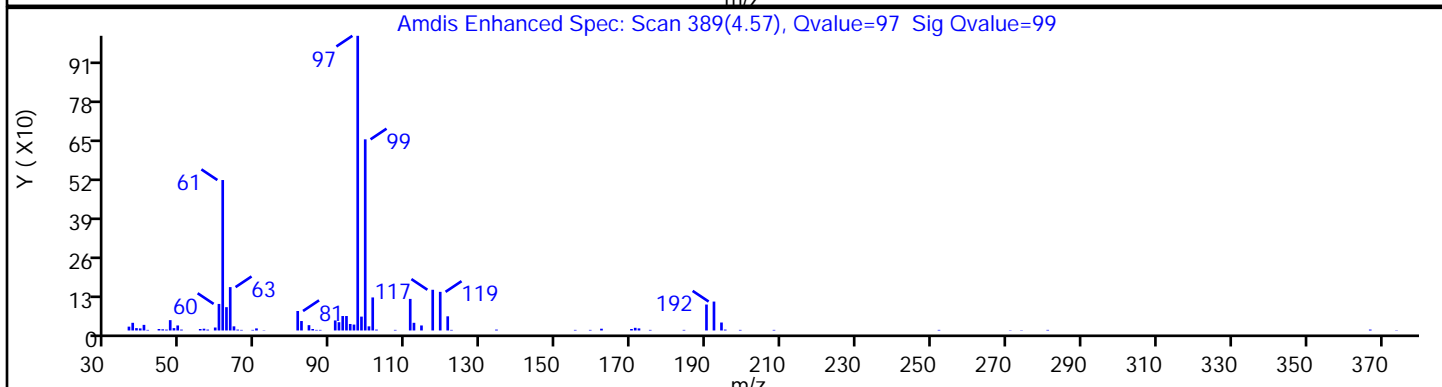
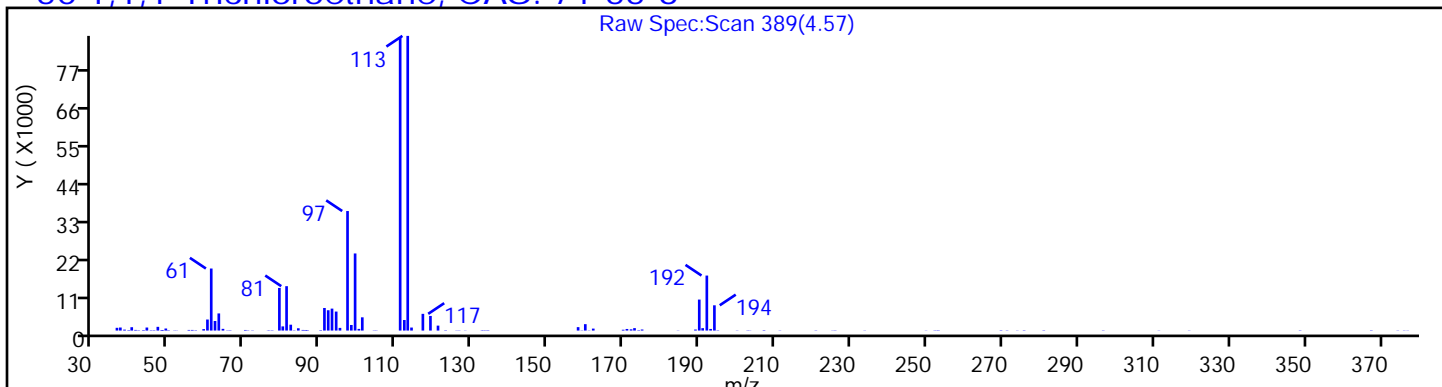
Method: 8260624W6

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



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

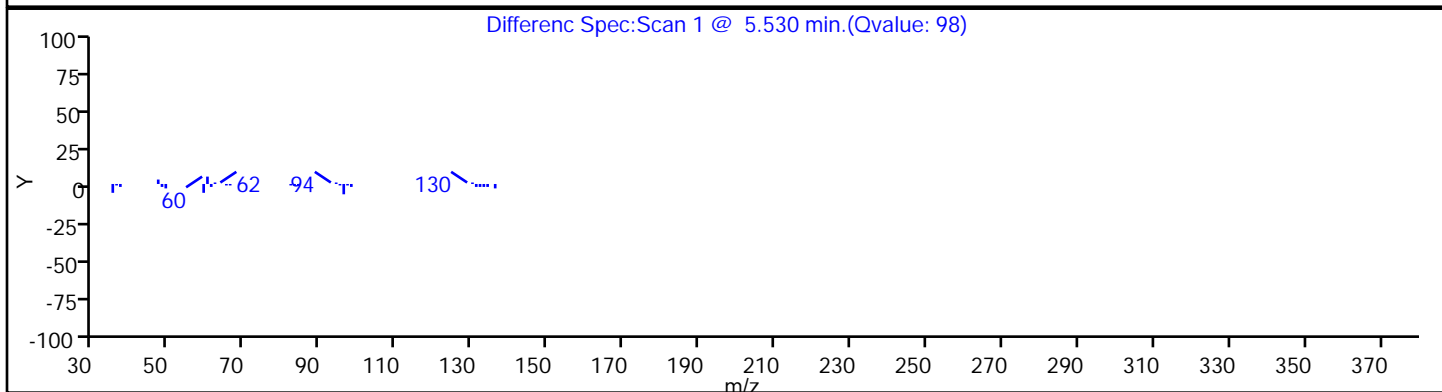
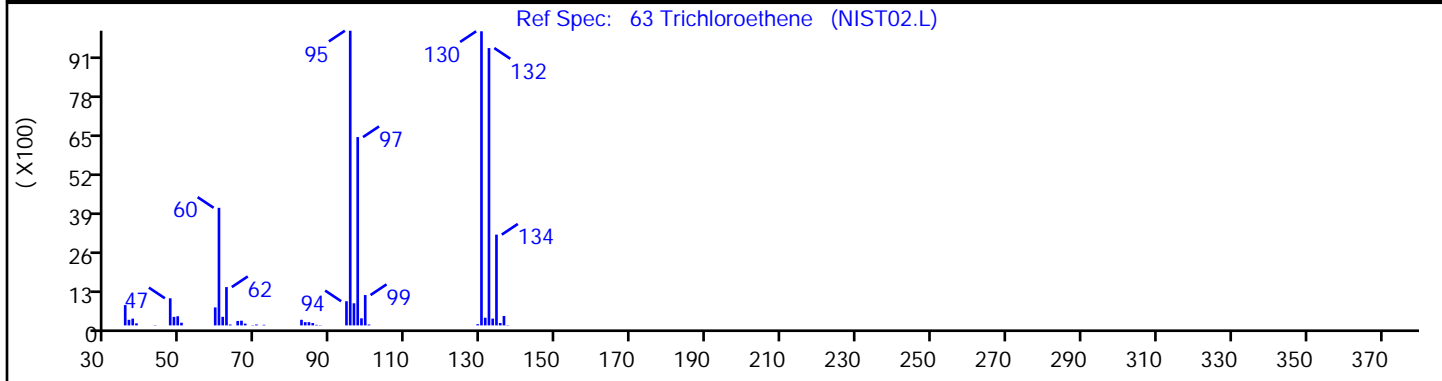
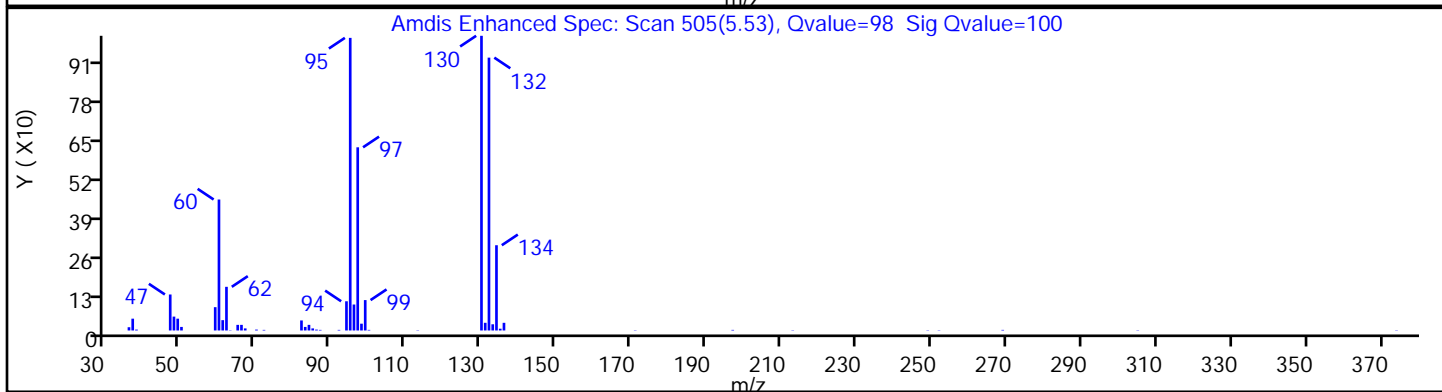
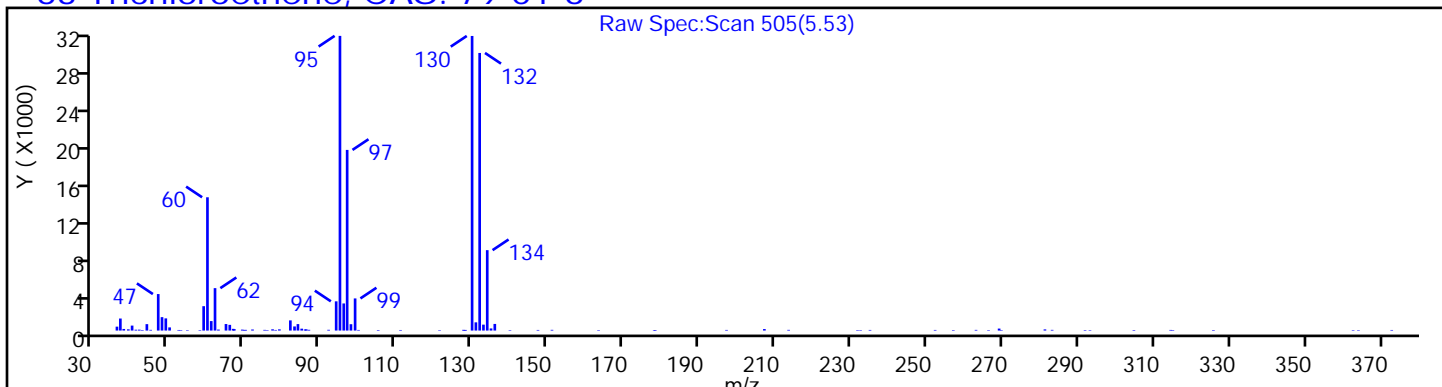
Method: 8260624W6

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\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

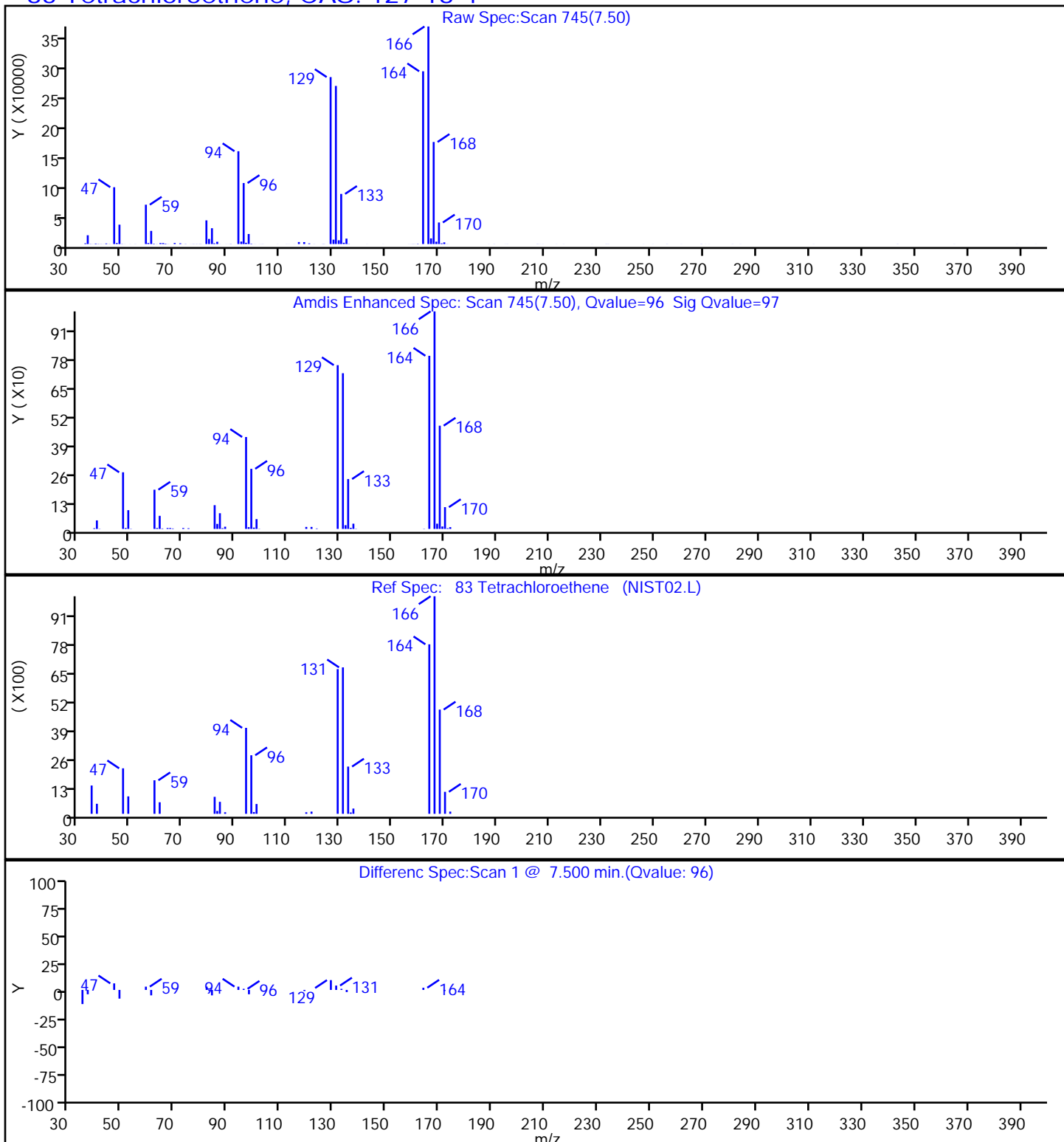
Method: 8260624W6

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\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

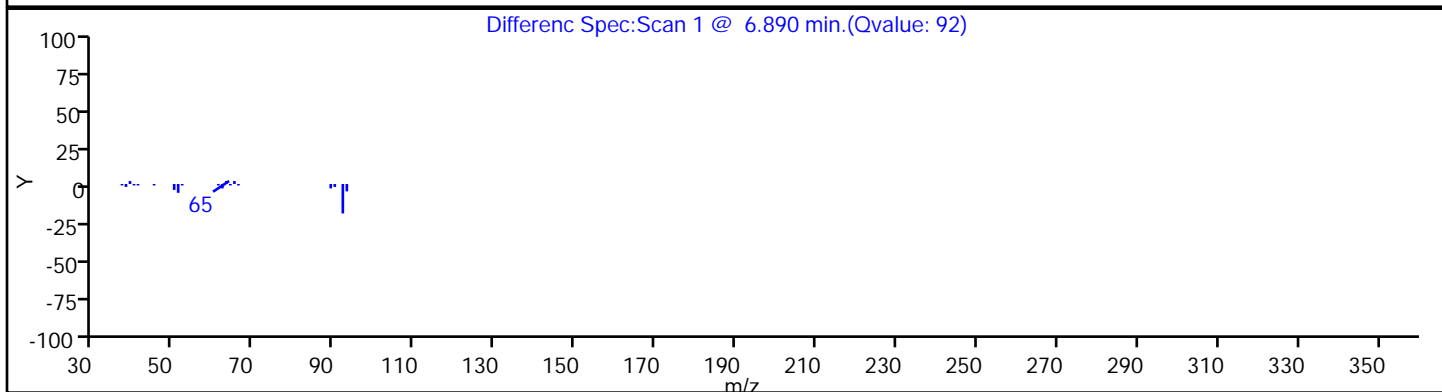
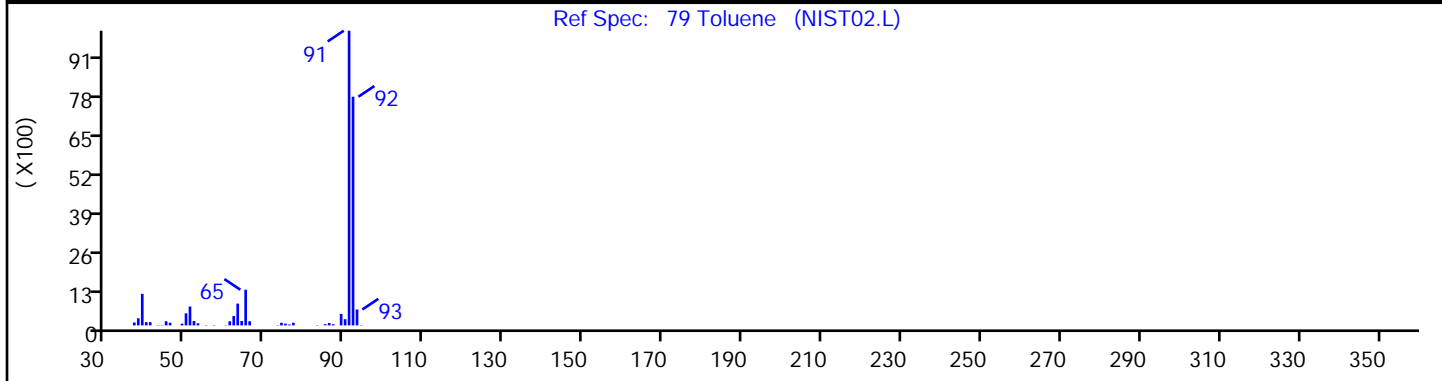
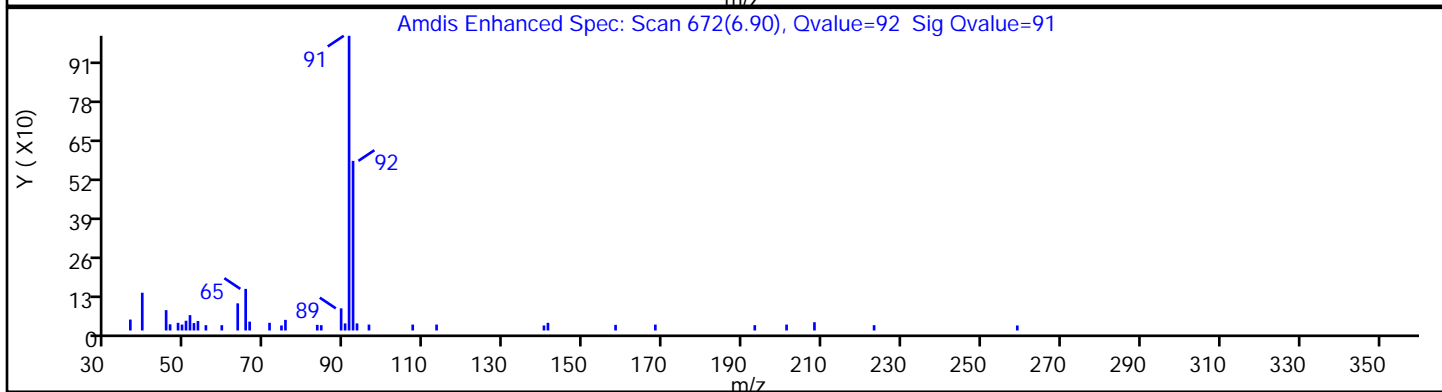
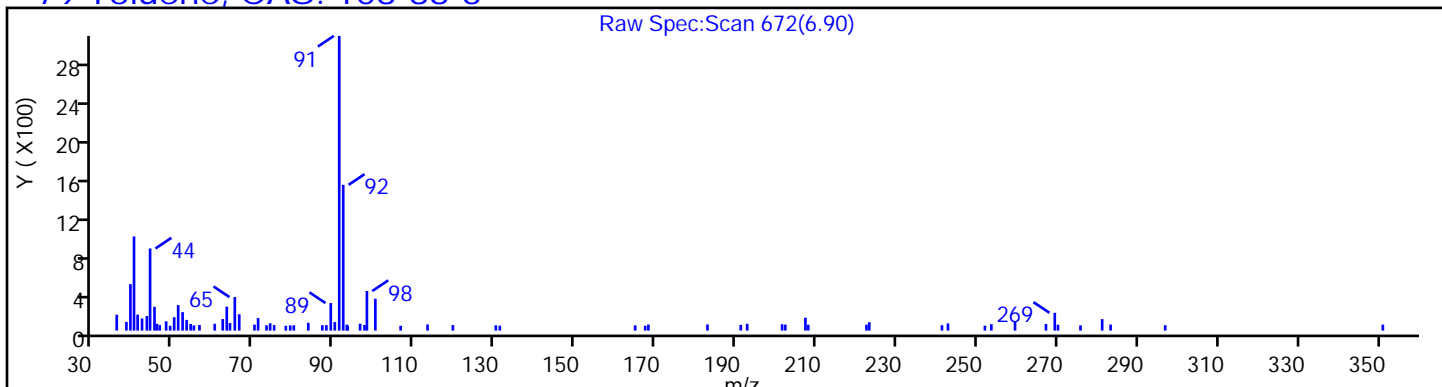
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

79 Toluene, CAS: 108-88-3



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

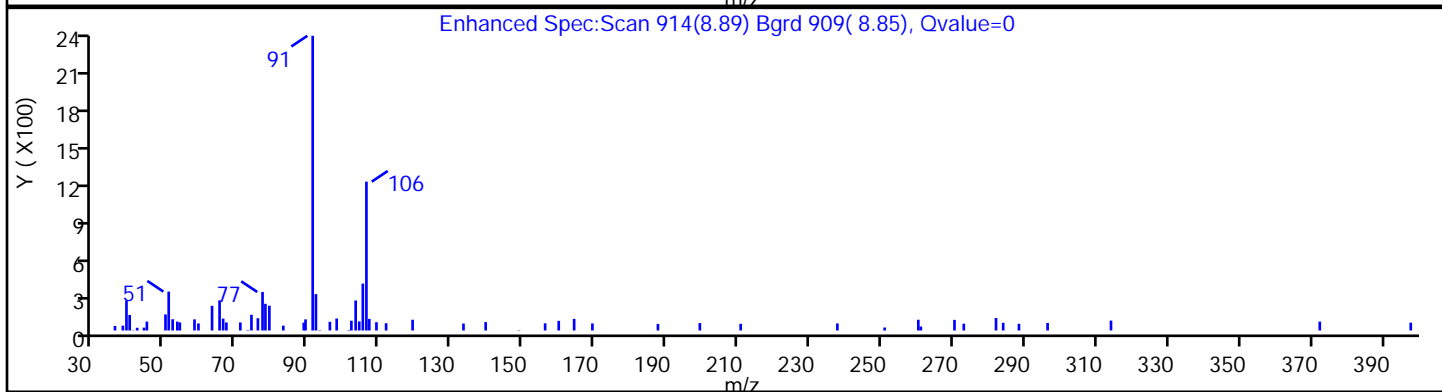
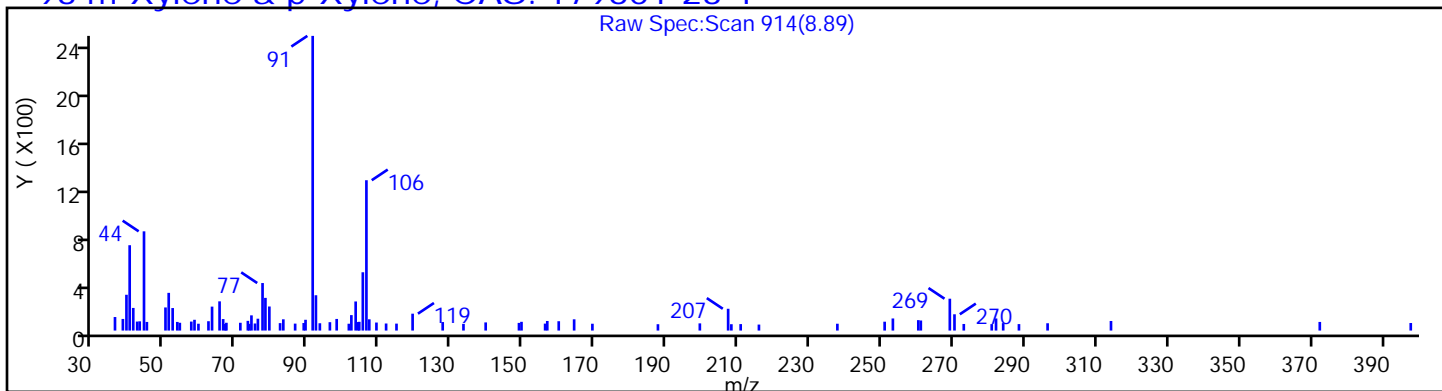
Method: 8260624W6

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\20210119-123057.b\F09744.D

Injection Date: 19-Jan-2021 23:43:30

Instrument ID: CVOAMS6

Lims ID: 460-226624-C-4

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

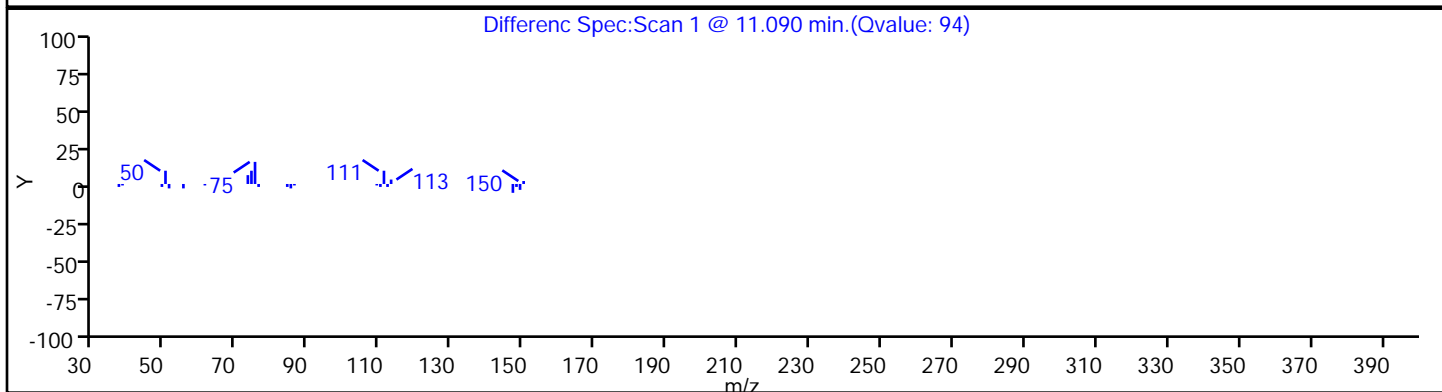
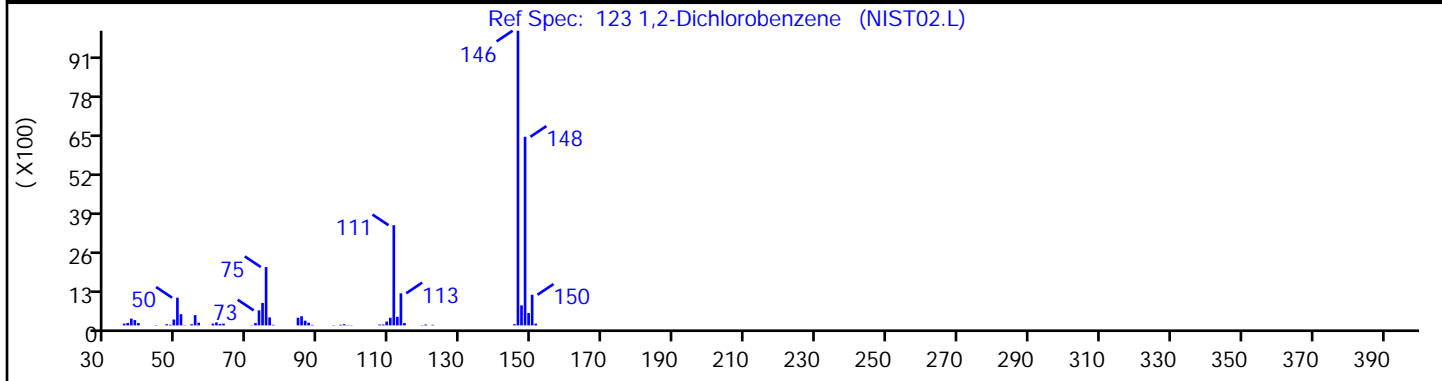
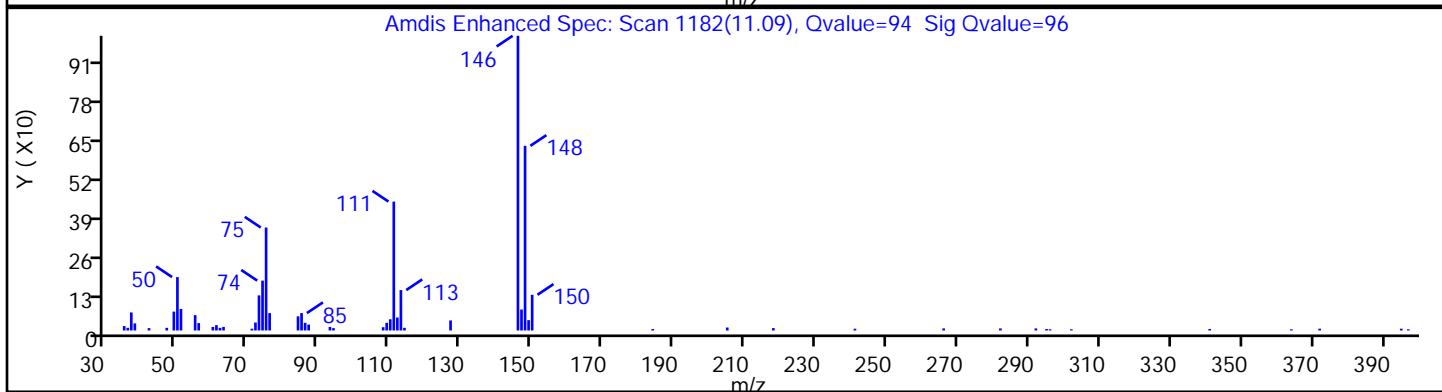
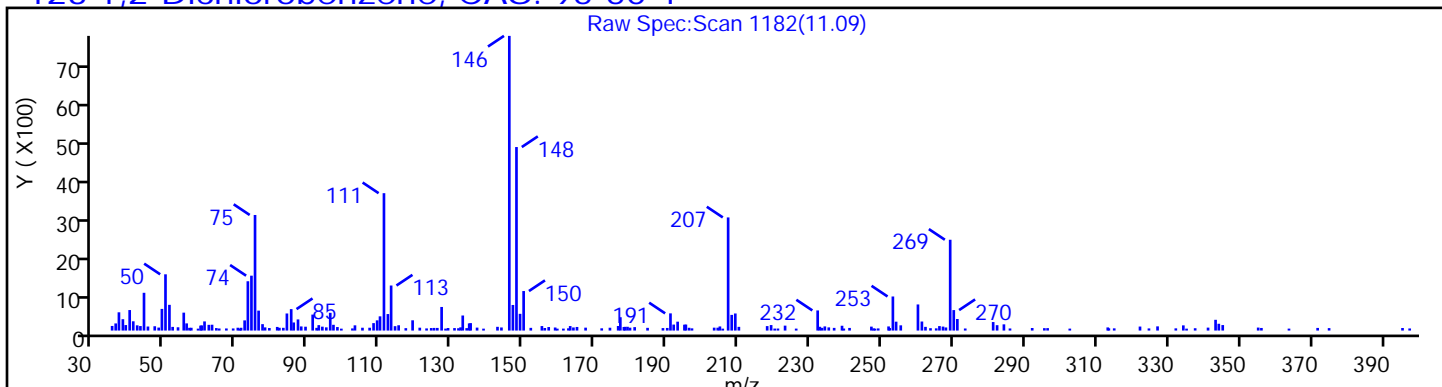
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

### 123 1,2-Dichlorobenzene, CAS: 95-50-1

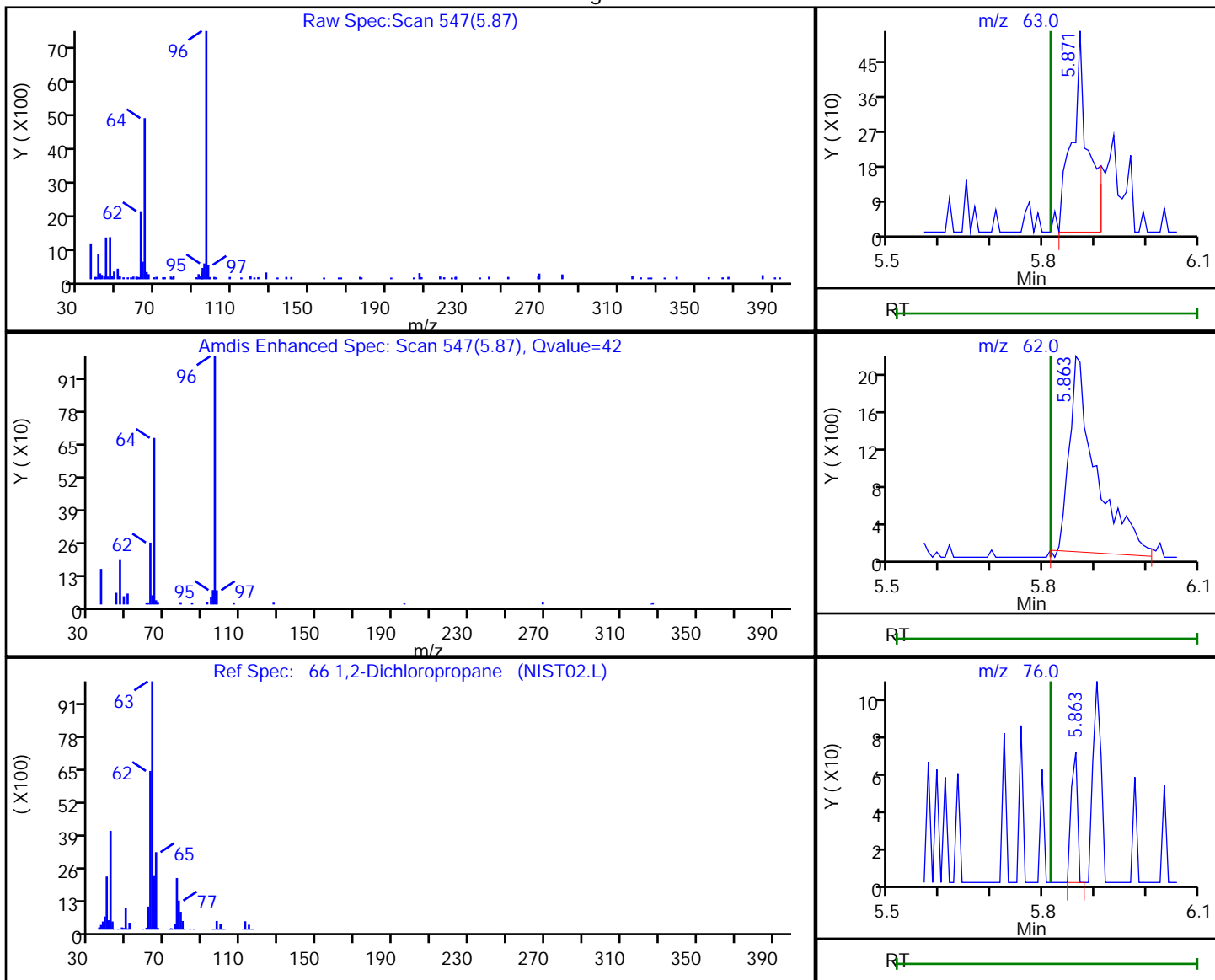


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
 Injection Date: 19-Jan-2021 23:43:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-4 Lab Sample ID: 460-226624-4  
 Client ID: MW-102D  
 Operator ID: ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 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
5.87	63.00	1146	0.327284
5.86	62.00	7436	
5.86	76.00	58	
5.86	112.00	32	

Reviewer: moroneyc, 20-Jan-2021 07:53:46  
 Audit Action: Marked Compound Undetected

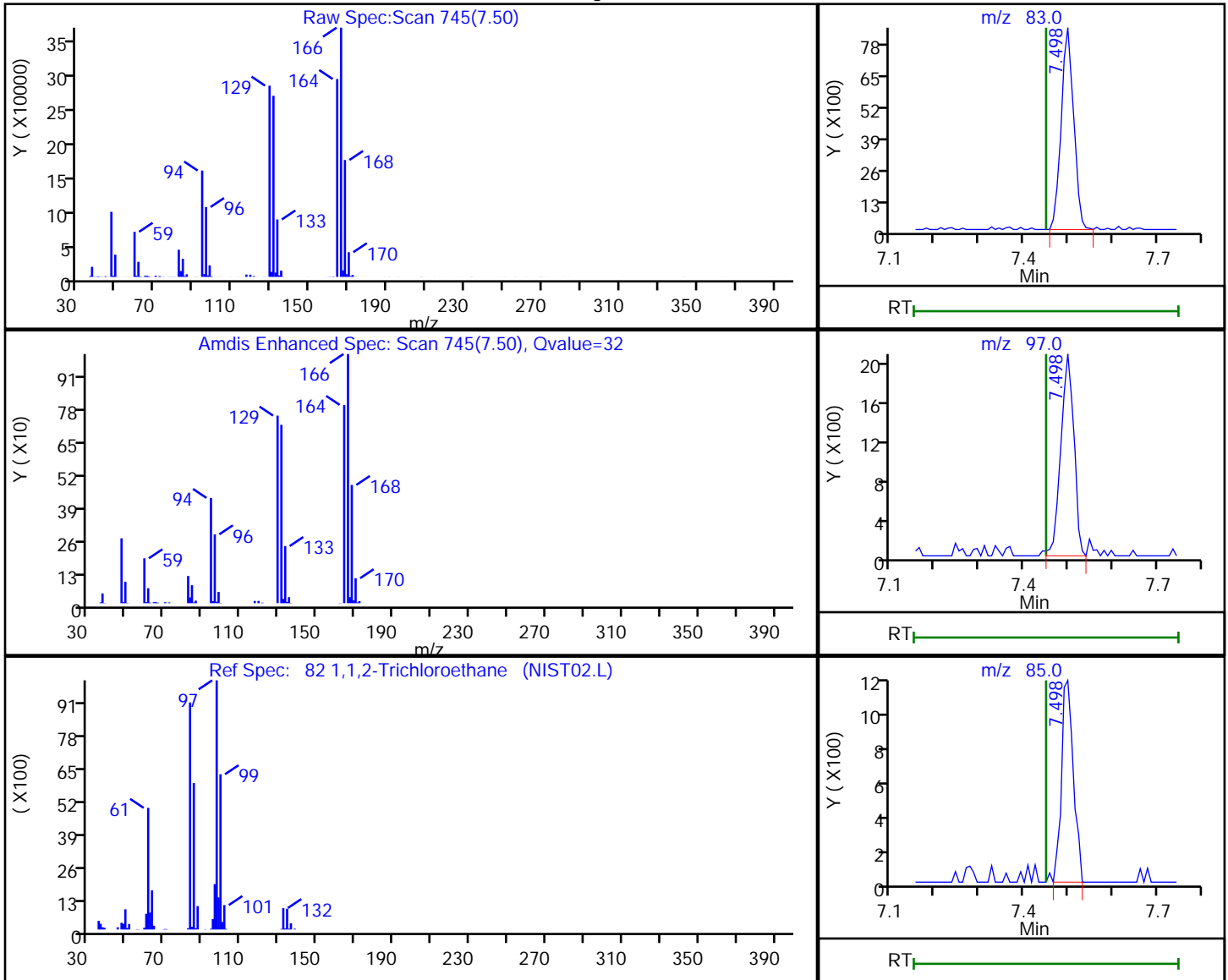
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
 Injection Date: 19-Jan-2021 23:43:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-4 Lab Sample ID: 460-226624-4  
 Client ID: MW-102D  
 Operator ID: ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 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
7.50	83.00	16654	7.498555
7.50	97.00	4292	
7.50	85.00	2146	

Reviewer: moroneyc, 20-Jan-2021 07:53:49  
 Audit Action: Marked Compound Undetected

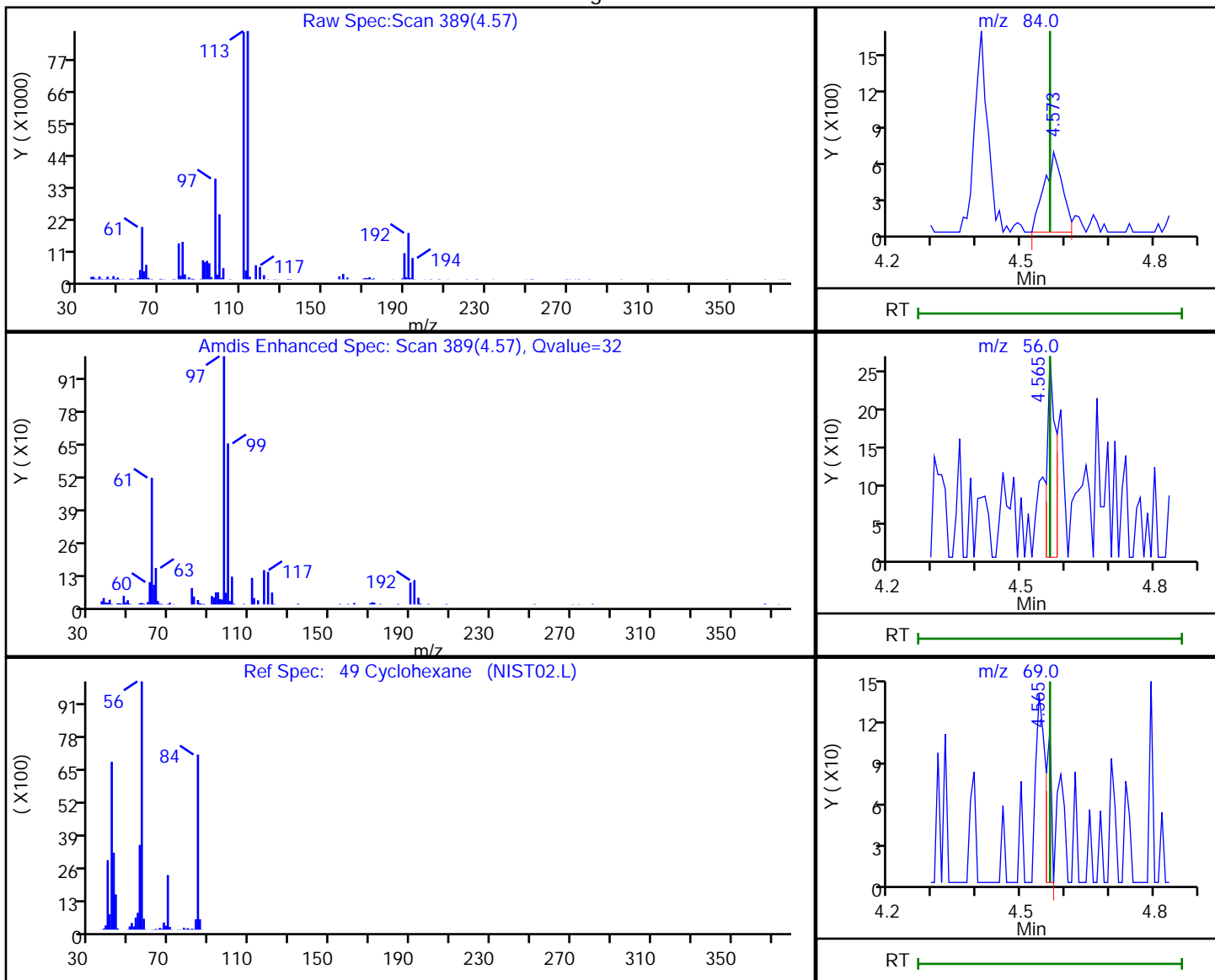
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
 Injection Date: 19-Jan-2021 23:43:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-4 Lab Sample ID: 460-226624-4  
 Client ID: MW-102D  
 Operator ID: ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 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
4.57	84.00	1934	0.313651
4.56	56.00	345	
4.56	69.00	96	

Reviewer: delpolitov, 20-Jan-2021 20:41:04  
 Audit Action: Marked Compound Undetected

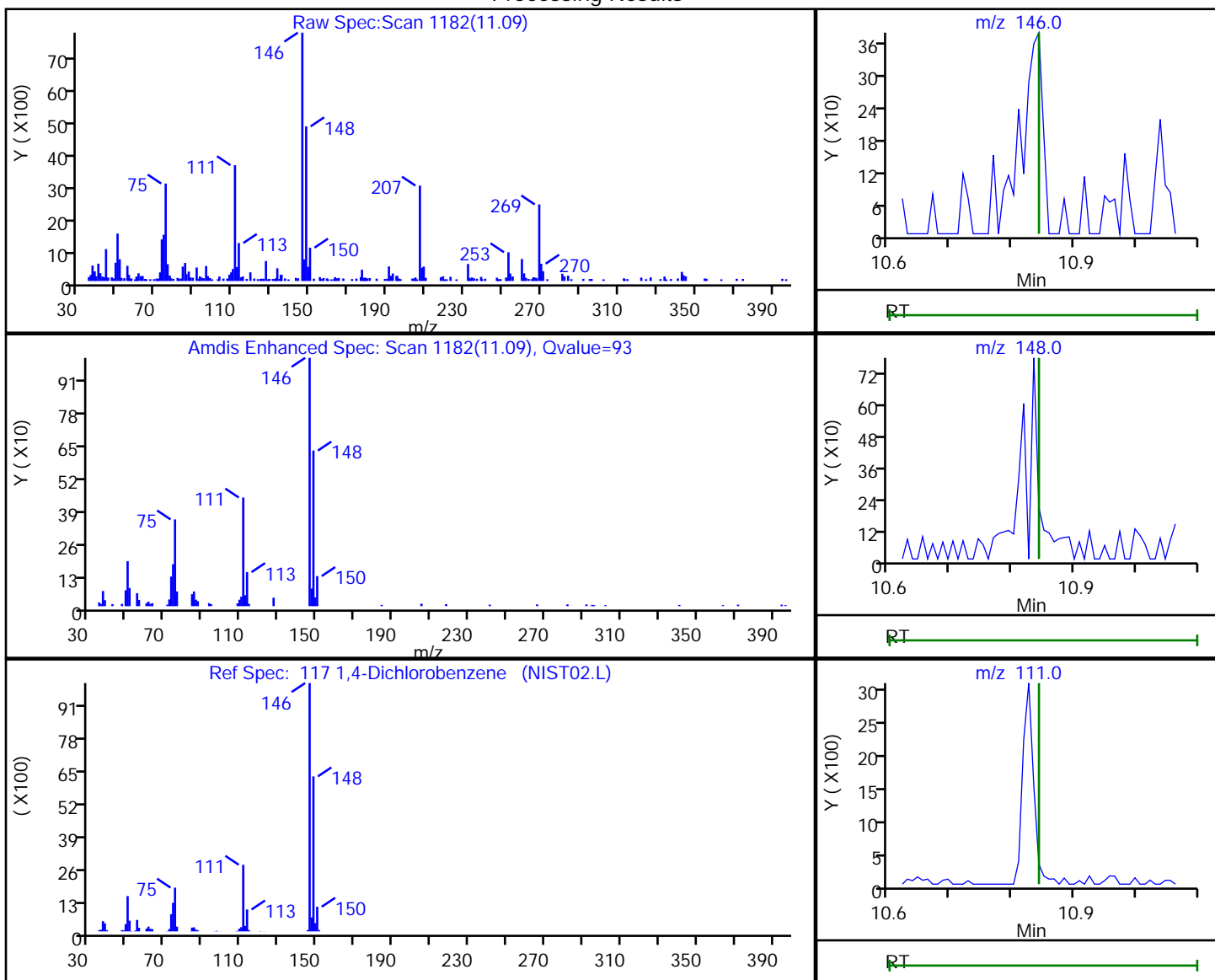
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
 Injection Date: 19-Jan-2021 23:43:30 Instrument ID: CVOAMS6  
 Lims ID: 460-226624-C-4 Lab Sample ID: 460-226624-4  
 Client ID: MW-102D  
 Operator ID: ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 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
11.09	146.00	8448	1.074857
11.09	148.00	5572	
11.09	111.00	3780	

Reviewer: moroneyc, 20-Jan-2021 07:53:53  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

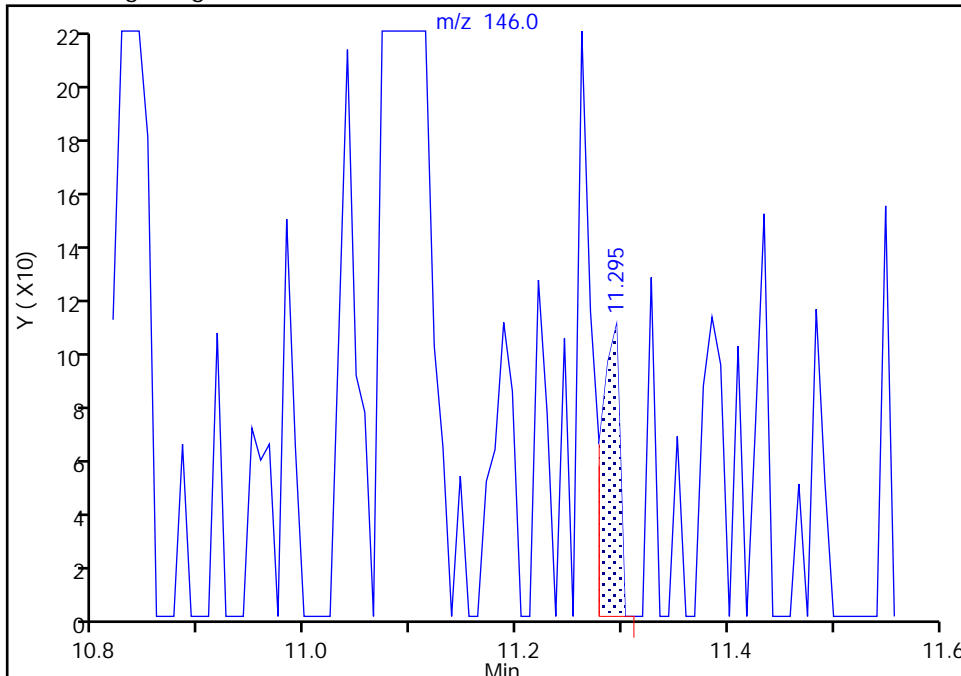
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
Injection Date: 19-Jan-2021 23:43:30 Instrument ID: CVOAMS6  
Lims ID: 460-226624-C-4 Lab Sample ID: 460-226624-4  
Client ID: MW-102D  
Operator ID: ALS Bottle#: 15 Worklist Smp#: 16  
Purge Vol: 5.000 mL Dil. Factor: 50.0000  
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

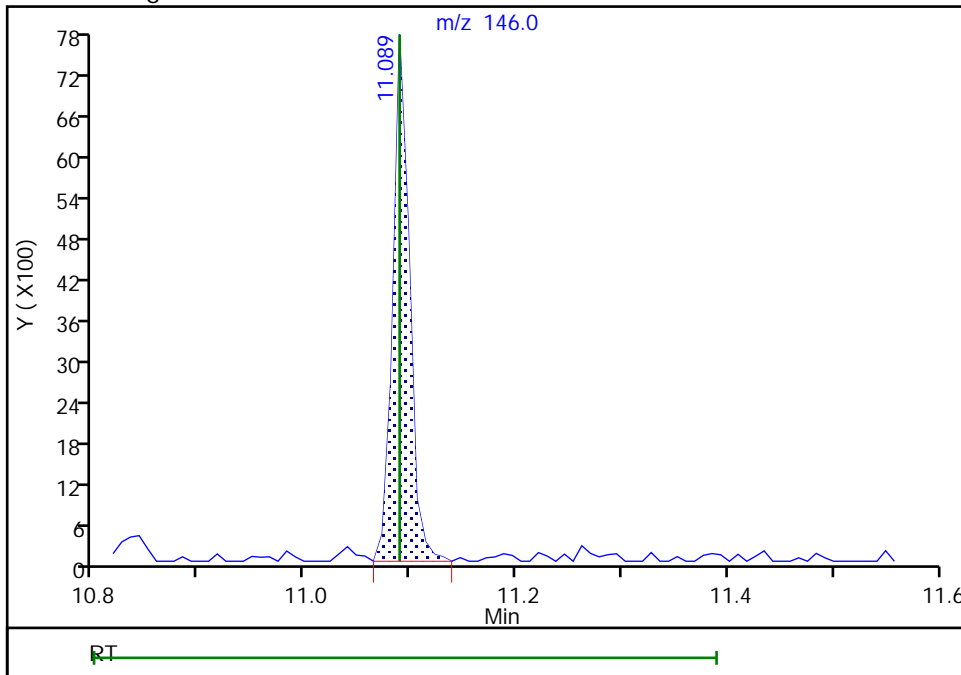
RT: 11.29  
Area: 134  
Amount: 0.017141  
Amount Units: ug/l

Processing Integration Results



RT: 11.09  
Area: 8448  
Amount: 1.080626  
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 20-Jan-2021 07:53:58  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected



Eurofins TestAmerica, Edison

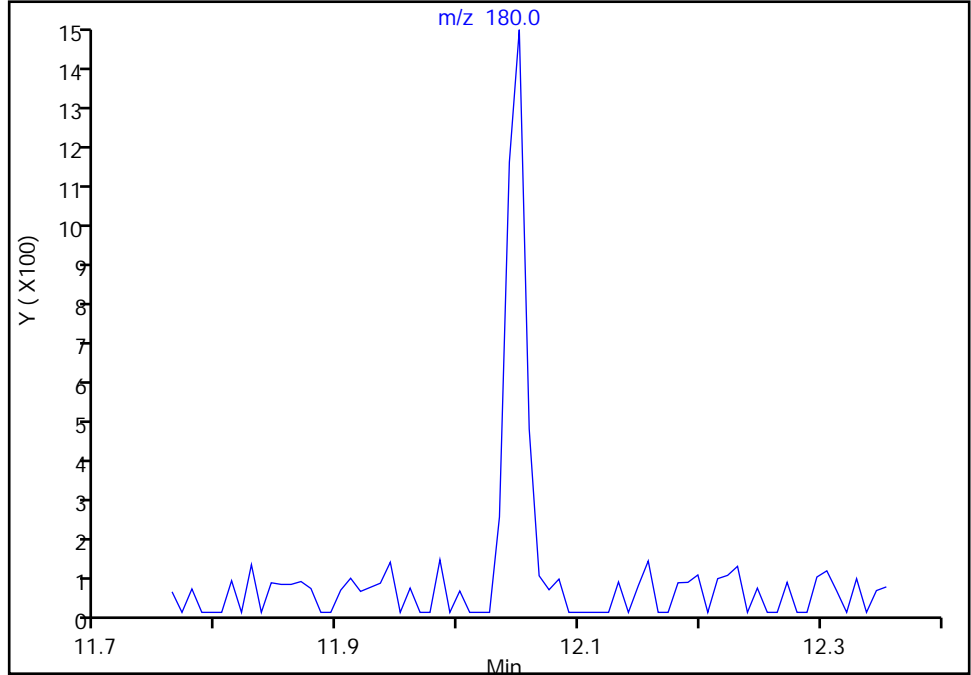
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09744.D  
Injection Date: 19-Jan-2021 23:43:30 Instrument ID: CVOAMS6  
Lims ID: 460-226624-C-4 Lab Sample ID: 460-226624-4  
Client ID: MW-102D  
Operator ID: ALS Bottle#: 15 Worklist Smp#: 16  
Purge Vol: 5.000 mL Dil. Factor: 50.0000  
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

Signal: 1

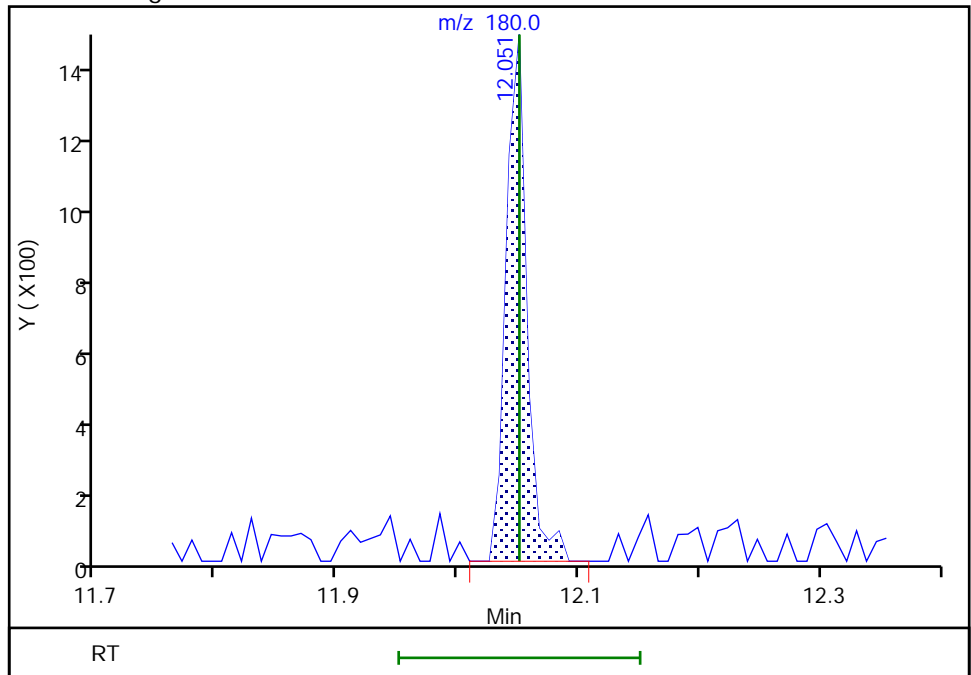
Not Detected  
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05  
Area: 1684  
Amount: 0.282752  
Amount Units: ug/l



FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-751068/3	F09449.D
Level 2	STD1 460-751068/4	F09450.D
Level 3	STD5 460-751068/6	F09452.D
Level 4	STD20 460-751068/7	F09453.D
Level 5	STD50 460-751068/8	F09454.D
Level 6	STD200 460-751068/9	F09455.D
Level 7	STD500 460-751068/10	F09456.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	++++ 0.4100	0.3069 0.3835	0.3345	0.3847	0.4140	Ave		0.3723			0.1000	11.5		20.0			
Chloromethane	++++ 0.4488	0.5116 0.4088	0.5269	0.4663	0.4873	Ave		0.4750			0.1000	9.1		20.0			
Vinyl chloride	++++ 0.4284	0.4522 0.3871	0.4368	0.4189	0.4579	Ave		0.4302			0.1000	6.0		20.0			
Butadiene	++++ 0.3978	0.3190 0.3599	0.3603	0.3725	0.4238	Ave		0.3722				9.6		20.0			
Bromomethane	++++ 0.2703	0.3370 0.2287	0.3202	0.2925	0.2909	Ave		0.2899			0.1000	13.2		20.0			
Chloroethane	++++ 0.2555	0.3077 0.2170	0.2812	0.2632	0.2814	Ave		0.2677			0.1000	11.5		20.0			
Dichlorofluoromethane	++++ 0.5580	0.5705 0.4913	0.6100	0.5701	0.5935	Ave		0.5656				7.2		20.0			
Trichlorofluoromethane	++++ 0.4173	0.4113 0.3676	0.3726	0.3962	0.4513	Ave		0.4027			0.1000	7.7		20.0			
Pentane	++++ 2.0241	2.3855 ++++	1.9527	1.9707	2.3397	Ave		2.1345				9.9		20.0			
Ethyl ether	++++ 0.2236	0.3050 0.2180	0.2701	0.2456	0.2354	Ave		0.2496				13.1		20.0			
Ethanol	++++ 0.0452	0.0529 0.0508	0.0555	0.0460	0.0465	Ave		0.0495				8.5		20.0			
2-Methyl-1,3-butadiene	++++ 0.2737	0.2252 0.2604	0.2233	0.2616	0.2867	Ave		0.2551				10.1		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	++++ 0.2540	0.3202 0.2259	0.2546	0.2550	0.2575	Ave		0.2612				11.9		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	++++ 0.4052	0.4866 0.3798	0.4325	0.4040	0.3902	Ave		0.4164				9.3		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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Acrolein	++++ 0.9224	0.5169 1.0409	0.7684	0.8514	0.8893	Qua2	-1.329	0.8453	0.0004878					1.0000		0.9900	
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.2591	0.2466 0.2391	0.1992	0.2351	0.2436	Ave		0.2371		0.1000	8.6		20.0				
1,1-Dichloroethene	++++ 0.2513	0.3053 0.2301	0.2498	0.2345	0.2413	Ave		0.2521		0.1000	10.9		20.0				
Acetone	++++ 0.7789	0.8326 0.7050	0.6700	0.7489	0.6288	Ave		0.7274		0.0500	10.2		20.0				
Iodomethane	++++ 0.3831	0.4224 0.3856	0.4346	0.4013	0.4064	Ave		0.4056			5.0		20.0				
Isopropyl alcohol	++++ 0.4751	0.5312 ++++	0.3760	0.4038	0.4364	Ave		0.4445			13.7		20.0				
Carbon disulfide	++++ 0.8698	1.0758 0.8754	0.9295	0.8715	0.9102	Ave		0.9221		0.1000	8.6		20.0				
3-Chloro-1-propene	++++ 0.6096	0.5458 0.6180	0.5137	0.4898	0.5160	Ave		0.5488			9.7		20.0				
Methyl acetate	++++ 0.1952	0.2034 0.2068	0.1934	0.2012	0.1885	Ave		0.1981		0.1000	3.5		20.0				
Cyclopentene	++++ 0.6630	0.6021 0.6762	0.6288	0.6350	0.6795	Ave		0.6474			4.7		20.0				
Acetonitrile	++++ 1.2034	1.3250 ++++	1.1715	0.9496	1.3936	Ave		1.2086			14.1		20.0				
Methylene Chloride	++++ 0.2830	0.3586 0.2778	0.3301	0.3008	0.2943	Ave		0.3074		0.1000	10.1		20.0				
2-Methyl-2-propanol	++++ 0.9136	0.8839 1.1518	0.9669	0.9317	0.9563	Ave		0.9674			9.8		20.0				
Methyl tert-butyl ether	++++ 0.7247	0.8699 0.7204	0.8370	0.7745	0.7486	Ave		0.7792		0.1000	7.9		20.0				
trans-1,2-Dichloroethene	++++ 0.2535	0.3202 0.2543	0.2829	0.2641	0.2646	Ave		0.2733		0.1000	9.3		20.0				
Acrylonitrile	0.1316 0.1129	0.1162 0.1154	0.1213	0.1146	0.1134	Ave		0.1179			5.6		20.0				
Hexane	++++ 0.2239	0.2987 0.2245	0.1667	0.2177	0.2299	Ave		0.2269			18.6		20.0				
Isopropyl ether	++++ 0.8493	0.8192 0.8535	0.8695	0.8463	0.8388	Ave		0.8461			2.0		20.0				
1,1-Dichloroethane	++++ 0.4587	0.4720 0.4612	0.4737	0.4658	0.4567	Ave		0.4647		0.2000	1.5		20.0				
Vinyl acetate	++++ 0.0537	0.0679 0.0567	0.0563	0.0554	0.0539	Ave		0.0573			9.3		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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
2-Chloro-1,3-butadiene	++++ 0.2263	0.2320 0.2273	0.1933	0.2111	0.2214	Ave		0.2186			6.5		20.0				
Tert-butyl ethyl ether	++++ 0.7883	0.8199 0.7863	0.8119	0.8012	0.7894	Ave		0.7995			1.7		20.0				
2,2-Dichloropropane	++++ 0.0886	0.0822 0.0877	0.0946	0.0852	0.0905	Ave		0.0881			4.9		20.0				
cis-1,2-Dichloroethene	++++ 0.2720	0.3014 0.2753	0.2925	0.2849	0.2744	Ave		0.2834		0.1000	4.1		20.0				
Ethyl acetate	++++ 0.2123	0.1552 0.2092	0.2408	0.2265	0.2123	Ave		0.2094			13.9		20.0				
2-Butanone (MEK)	++++ 0.2639	0.2869 0.2505	0.2809	0.2544	0.2493	Ave		0.2643		0.0500	6.1		20.0				
Methyl acrylate	++++ 0.2856	0.2375 0.3110	0.2868	0.2796	0.2703	Ave		0.2785			8.7		20.0				
Propionitrile	++++ 1.4182	1.2502 1.8020	1.4668	1.3361	1.5044	Ave		1.4629			13.0		20.0				
Chlorobromomethane	++++ 0.1328	0.1481 0.1325	0.1482	0.1409	0.1358	Ave		0.1397			5.2		20.0				
Tetrahydrofuran	++++ 0.2963	0.3657 0.2793	0.3493	0.3188	0.2948	Ave		0.3174			10.7		20.0				
Methacrylonitrile	++++ 0.1137	0.1042 0.1198	0.1081	0.1078	0.1095	Ave		0.1105			5.0		20.0				
Chloroform	++++ 0.4047	0.4577 0.4016	0.4201	0.4135	0.4112	Ave		0.4181		0.2000	4.9		20.0				
Cyclohexane	++++ 0.4489	0.4229 0.4409	0.3765	0.4215	0.4604	Ave		0.4285		0.1000	6.9		20.0				
1,1,1-Trichloroethane	++++ 0.3803	0.3980 0.3726	0.3611	0.3576	0.3788	Ave		0.3747		0.1000	3.9		20.0				
Carbon tetrachloride	++++ 0.2960	0.2990 0.3009	0.2574	0.2767	0.2913	Ave		0.2869		0.1000	5.9		20.0				
1,1-Dichloropropene	++++ 0.3138	0.3412 0.3207	0.2929	0.3013	0.3214	Ave		0.3152			5.4		20.0				
Isobutyl alcohol	++++ 0.5656	0.4340 0.7525	0.5387	0.5421	0.6021	Ave		0.5725			18.2		20.0				
Benzene	++++ 1.3010	1.4397 1.3515	1.3439	1.3685	1.3340	Ave		1.3564		0.5000	3.4		20.0				
Isopropyl acetate	++++ 0.8690	0.7837 0.8947	0.8348	0.8016	0.8186	Ave		0.8337			5.0		20.0				
Tert-amyl methyl ether	++++ 0.9496	0.9030 0.9564	0.9339	0.8846	0.9250	Ave		0.9254			3.0		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.: 460-226624-1

Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09

Calibration End Date: 01/05/2021 18:59

Calibration ID: 83464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,2-Dichloroethane	++++ 0.2948	0.3081 0.3010	0.3024	0.3006	0.3029	Ave		0.3016		0.1000	1.4		20.0				
n-Heptane	++++ 0.2085	0.1834 0.2024	0.1616	0.1946	0.2114	Ave		0.1936			9.6		20.0				
n-Butanol	++++ 0.2122	0.2048 0.2905	0.1507	0.1667	0.1983	QuaF		0.1634	0.0000102					1.0000		0.9900	
Trichloroethene	++++ 0.2183	0.2274 0.2291	0.2171	0.2113	0.2212	Ave		0.2207		0.2000	3.0		20.0				
Ethyl acrylate	++++ 0.6769	0.5994 0.6910	0.5552	0.6017	0.6437	Ave		0.6280			8.2		20.0				
Methylcyclohexane	++++ 0.5145	0.4216 0.5132	0.3740	0.4657	0.5134	Ave		0.4671		0.1000	12.6		20.0				
1,2-Dichloropropane	++++ 0.2416	0.2353 0.2457	0.2502	0.2430	0.2442	Ave		0.2433		0.1000	2.0		20.0				
Methyl methacrylate	++++ 0.0653	0.0606 0.0688	0.0637	0.0589	0.0619	Ave		0.0632			5.6		20.0				
1,4-Dioxane	++++ 0.6907	0.7945 0.6389	0.9826	0.7072	0.7658	Ave		0.7633			15.8		20.0				
Dibromomethane	++++ 0.1436	0.1829 0.1449	0.1497	0.1439	0.1437	Ave		0.1514			10.3		20.0				
n-Propyl acetate	++++ 0.3563	0.3243 0.3677	0.3241	0.3272	0.3354	Ave		0.3391			5.5		20.0				
Dichlorobromomethane	++++ 0.2975	0.2975 0.3078	0.2750	0.2803	0.2874	Ave		0.2909		0.2000	4.2		20.0				
2-Nitropropane	++++ 0.0653	0.0826 0.0728	0.0604	0.0543	0.0562	Ave		0.0653			16.5		20.0				
2-Chloroethyl vinyl ether	++++ 0.1410	0.1425 0.1512	0.1267	0.1297	0.1322	Ave		0.1372			6.7		20.0				
Epichlorohydrin	0.2136 0.2002	0.1993 0.1951	0.1875	0.1985	0.1923	Ave		0.1981			4.1		20.0				
cis-1,3-Dichloropropene	++++ 0.5083	0.4777 0.5434	0.4855	0.4985	0.4928	Ave		0.5010		0.2000	4.6		20.0				
4-Methyl-2-pentanone (MIBK)	++++ 2.4472	2.0869 2.2566	2.1791	2.2909	2.3593	Ave		2.2700		0.0500	5.6		20.0				
Toluene	++++ 1.3620	1.4914 1.4206	1.4017	1.3683	1.3940	Ave		1.4063		0.4000	3.3		20.0				
trans-1,3-Dichloropropene	++++ 0.4427	0.3972 0.4795	0.4074	0.4406	0.4307	Ave		0.4330		0.1000	6.7		20.0				
Ethyl methacrylate	++++ 0.4466	0.4752 0.4654	0.4009	0.4231	0.4391	Ave		0.4417			6.2		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.: 460-226624-1

Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09

Calibration End Date: 01/05/2021 18:59

Calibration ID: 83464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,1,2-Trichloroethane	++++ 0.2335	0.2128 0.2415	0.2379	0.2468	0.2383	Ave		0.2351			0.1000	5.0	20.0				
Tetrachloroethene	++++ 0.3014	0.3401 0.3083	0.2953	0.3031	0.3109	Ave		0.3098			0.2000	5.1	20.0				
1,3-Dichloropropane	++++ 0.4688	0.5135 0.4972	0.4880	0.5044	0.4772	Ave		0.4915				3.4	20.0				
2-Hexanone	++++ 1.4799	1.3274 1.3634	1.3236	1.3872	1.3914	Ave		1.3788			0.0500	4.1	20.0				
n-Butyl acetate	++++ 0.5491	0.6186 0.5621	0.5221	0.5511	0.5481	Ave		0.5585				5.8	20.0				
Chlorodibromomethane	++++ 0.2842	0.2903 0.3011	0.2580	0.2836	0.2809	Ave		0.2830			0.1000	5.0	20.0				
Ethylene Dibromide	++++ 0.2722	0.3310 0.2803	0.2914	0.2819	0.2755	Ave		0.2887			0.1000	7.5	20.0				
Chlorobenzene	++++ 0.8562	0.9873 0.8862	0.9010	0.8740	0.8758	Ave		0.8968			0.5000	5.2	20.0				
Ethylbenzene	++++ 0.4963	0.5220 0.5019	0.4988	0.4954	0.5074	Ave		0.5036			0.1000	2.0	20.0				
1,1,1,2-Tetrachloroethane	++++ 0.3295	0.3365 0.3305	0.3152	0.3271	0.3272	Ave		0.3277				2.1	20.0				
m-Xylene & p-Xylene	++++ 0.6003	0.6096 0.6079	0.5888	0.5998	0.6283	Ave		0.6058			0.1000	2.2	20.0				
n-Butyl acrylate	++++ 0.3003	0.3312 0.3036	0.2400	0.2830	0.2938	Ave		0.2920				10.3	20.0				
o-Xylene	++++ 0.6508	0.6923 0.6498	0.6332	0.6551	0.6679	Ave		0.6582			0.3000	3.1	20.0				
Styrene	++++ 1.0177	0.9627 1.0352	0.9323	0.9986	1.0214	Ave		0.9947			0.3000	4.0	20.0				
Amyl acetate (mixed isomers)	++++ 1.3661	1.0997 1.4185	1.0945	1.2098	1.2790	Ave		1.2446				10.8	20.0				
Bromoform	++++ 0.2064	0.2137 0.2098	0.1927	0.1961	0.2004	Ave		0.2032			0.1000	4.0	20.0				
Isopropylbenzene	++++ 1.7570	1.6688 1.7090	1.5910	1.6399	1.7620	Ave		1.6880			0.1000	4.0	20.0				
Bromobenzene	++++ 0.6513	0.6758 0.6878	0.6550	0.6365	0.6322	Ave		0.6564				3.3	20.0				
1,1,2,2-Tetrachloroethane	++++ 0.7677	0.7065 0.7974	0.7570	0.7553	0.7487	Ave		0.7554			0.3000	3.9	20.0				
N-Propylbenzene	++++ 3.5526	3.4008 3.4649	3.1360	3.3049	3.4547	Ave		3.3857				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.: 460-226624-1

Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09

Calibration End Date: 01/05/2021 18:59

Calibration ID: 83464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,2,3-Trichloropropane	++++ 0.2148	0.2693 0.2157	0.2320	0.2275	0.2092	Ave		0.2281			9.6		20.0				
trans-1,4-Dichloro-2-butene	++++ 0.2060	0.1702 0.2119	0.1642	0.1927	0.1954	Ave		0.1901			10.0		20.0				
2-Chlorotoluene	++++ 2.3797	2.3495 2.4987	2.2447	2.2477	2.3001	Ave		2.3367			4.1		20.0				
4-Ethyltoluene	++++ 2.8984	2.7027 2.9375	2.6234	2.7120	2.8228	Ave		2.7828			4.4		20.0				
1,3,5-Trimethylbenzene	++++ 2.5598	2.1294 2.6195	2.1054	2.2721	2.3975	Ave		2.3473			9.2		20.0				
4-Chlorotoluene	++++ 2.0831	2.1355 2.1969	2.0409	2.0350	2.0357	Ave		2.0878			3.2		20.0				
Butyl Methacrylate	++++ 0.9695	0.6912 1.0333	0.7225	0.8231	0.8808	Ave		0.8534			15.8		20.0				
tert-Butylbenzene	++++ 2.0862	1.5148 2.2026	1.4883	1.7408	1.8565	Ave		1.8149			16.1		20.0				
1,2,4-Trimethylbenzene	++++ 2.6447	2.4022 2.6504	2.2708	2.3759	2.5255	Ave		2.4783			6.2		20.0				
sec-Butylbenzene	++++ 3.4862	2.7873 3.2440	2.6979	2.9444	3.2344	Ave		3.0657			9.9		20.0				
1,3-Dichlorobenzene	++++ 1.3413	1.4116 1.3123	1.3248	1.3346	1.3302	Ave		1.3425		0.6000	2.6		20.0				
4-Isopropyltoluene	++++ 2.9526	2.3911 2.7820	2.3568	2.5810	2.7670	Ave		2.6384			9.0		20.0				
1,4-Dichlorobenzene	++++ 1.3438	1.4778 1.3667	1.3747	1.3803	1.3490	Ave		1.3820		0.5000	3.5		20.0				
1,2,3-Trimethylbenzene	++++ 2.9051	2.3031 2.8291	2.4954	2.6460	2.6912	Ave		2.6450			8.3		20.0				
Benzyl chloride	++++ 1.6704	1.1987 1.7573	1.3731	1.5110	1.5606	Ave		1.5119			13.4		20.0				
Indan	++++ 2.7417	2.4448 2.6553	2.4885	2.6080	2.6395	Ave		2.5963			4.3		20.0				
p-Diethylbenzene	++++ 1.5561	1.4100 1.5413	1.3448	1.4264	1.5059	Ave		1.4641			5.7		20.0				
n-Butylbenzene	++++ 1.5839	1.4560 1.5490	1.4234	1.4568	1.5586	Ave		1.5046			4.5		20.0				
1,2-Dichlorobenzene	++++ 1.3786	1.2736 1.3841	1.4089	1.4240	1.3786	Ave		1.3747		0.4000	3.8		20.0				
1,2,4,5-Tetramethylbenzene	++++ 2.9197	2.4599 2.6739	2.4694	2.5793	2.6765	Ave		2.6298			6.5		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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,2-Dibromo-3-Chloropropane	++++ 0.1861	0.1926 0.1910	0.1827	0.1812	0.1773	Ave		0.1851			0.0500	3.2		20.0			
1,3,5-Trichlorobenzene	++++ 1.1173	1.1296 1.0959	1.0325	1.0811	1.0729	Ave		1.0882				3.2		20.0			
1,2,4-Trichlorobenzene	++++ 1.0793	1.0473 1.0348	1.0424	1.0499	1.0296	Ave		1.0473			0.2000	1.7		20.0			
Hexachlorobutadiene	++++ 0.3981	0.3579 0.3935	0.3451	0.3683	0.3778	Ave		0.3734				5.5		20.0			
Naphthalene	++++ 2.9927	2.7641 2.8429	2.7137	2.8573	2.8300	Ave		2.8335				3.4		20.0			
1,2,3-Trichlorobenzene	++++ 0.9936	1.0374 0.9598	0.9750	0.9775	0.9630	Ave		0.9844				2.9		20.0			
Dibromofluoromethane (Surr)	0.2712 0.2693	0.2725 0.2652	0.2751	0.2742	0.2666	Ave		0.2706				1.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3071 0.3218	0.3082 0.3399	0.3116	0.3118	0.3121	Ave		0.3161				3.7		20.0			
Toluene-d8 (Surr)	1.4748 1.4536	1.4815 1.4503	1.4580	1.4950	1.4782	Ave		1.4702				1.1		20.0			
4-Bromofluorobenzene	0.4520 0.4316	0.4560 0.4217	0.4532	0.4478	0.4441	Ave		0.4438				2.8		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  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-751068/3	F09449.D
Level 2	STD1 460-751068/4	F09450.D
Level 3	STD5 460-751068/6	F09452.D
Level 4	STD20 460-751068/7	F09453.D
Level 5	STD50 460-751068/8	F09454.D
Level 6	STD200 460-751068/9	F09455.D
Level 7	STD500 460-751068/10	F09456.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	++++ 1097061	3439 2916062	18170	89310	266694	++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	++++ 1200767	5734 3108276	28617	108259	313917	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	++++ 1146235	5068 2942909	23726	97249	295003	++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	++++ 1064405	3575 2736051	19568	86471	272986	++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	++++ 723179	3777 1738942	17393	67898	187367	++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	++++ 683712	3448 1649997	15272	61114	181297	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	++++ 1493044	6394 3735248	33129	132355	382298	++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 1116588	4609 2794989	20238	91974	290748	++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd9	Ave	++++ 317807	1562 ++++	5807	27326	81926	++++ 400	2.00 ++++	10.0	40.0	100
Ethyl ether	FB	Ave	++++ 598406	3418 1657460	14669	57023	151636	++++ 200	1.00 500	5.00	20.0	50.0
Ethanol	TBAd9	Ave	++++ 142083	693 372067	3300	12757	32585	++++ 8000	40.0 20000	200	800	2000
2-Methyl-1,3-butadiene	FB	Ave	++++ 732293	2524 1979633	12130	60735	184669	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	++++ 679614	3588 1717345	13828	59213	165883	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	++++ 1084222	5453 2887575	23489	93789	251349	++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Qua2	++++ 72414	677 152493	4570	11806	31138	++++ 200	4.00 400	20.0	40.0	100

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-226624-1

Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09

Calibration End Date: 01/05/2021 18:59

Calibration ID: 83464

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
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 693328	2764 1818096	10820	54583	156920	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 672346	3422 1749742	13565	54441	155469	++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	++++ 1290157	5459 3564000	21748	99902	244019	++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	++++ 1025152	4734 2932002	23605	93161	261800	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	++++ 372944	1739 ++++	5591	27993	76404	++++ 2000	10.0 ++++	50.0	200	500
Carbon disulfide	FB	Ave	++++ 2327379	12057 6655971	50485	202326	586369	++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	++++ 1631095	6117 4698747	27900	113708	332405	++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	++++ 1044862	4560 3145312	21009	93423	242880	++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	++++ 1773976	6748 5141064	34150	147432	437738	++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	++++ 944764	4338 ++++	17419	65835	243980	++++ 2000	10.0 ++++	50.0	200	500
Methylene Chloride	FB	Ave	++++ 757203	4019 2112275	17929	69826	189587	++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	++++ 717254	2894 2109288	14377	64594	167421	++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	++++ 1939198	9749 5477629	45458	179806	482239	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	++++ 678409	3589 1933731	15367	61304	170458	++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	3220 3020740	13027 8776920	65857	266090	730715	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	++++ 598970	3347 1707002	9055	50542	148117	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	++++ 2272523	9181 6489263	47226	196476	540371	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	++++ 1227304	5290 3506633	25730	108146	294200	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	++++ 287545	1521 862036	6115	25703	69469	++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	++++ 605425	2600 1728141	10500	49013	142618	++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	++++	9189	44099	186006	508511	++++	1.00	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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

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
			2109258	5978760				200	500			
2,2-Dichloropropane	FB	Ave	++++ 237087	921 666812	5138	19770	58320	++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	++++ 727867	3378 2093123	15885	66137	176790	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Ave	++++ 140636	407 422953	3126	12088	32960	++++ 400	2.00 1000	10.0	40.0	100
2-Butanone (MEK)	BUT	Ave	++++ 437016	1881 1266398	9119	33940	96753	++++ 1000	5.00 2500	25.0	100	250
Methyl acrylate	CBNzd 5	Ave	++++ 576395	1930 1745775	11545	45774	127697	++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd9	Ave	++++ 1113354	4093 3299887	21810	92632	263386	++++ 2000	10.0 5000	50.0	200	500
Chlorobromomethane	FB	Ave	++++ 355449	1660 1007217	8048	32723	87469	++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	++++ 196322	959 564813	4535	17013	45751	++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	++++ 3043460	11675 9107949	58700	250386	705173	++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	++++ 1082794	5129 3053347	22814	96011	264915	++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	++++ 1201059	4739 3352624	20448	97857	296574	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	++++ 1017514	4460 2833039	19613	83032	244000	++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	++++ 792038	3351 2287882	13981	64248	187655	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	++++ 839522	3824 2438686	15909	69956	207073	++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	++++ 1110110	3552 3444794	20023	93955	263548	++++ 5000	25.0 12500	125	500	1250
Benzene	CBNzd 5	Ave	++++ 2625763	11697 7587083	54106	224062	630310	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	++++ 2325167	8783 6802624	45340	186111	527319	++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	++++ 2540738	10120 7271729	50724	205365	595870	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	++++ 788856	3453 2288465	16425	69780	195096	++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	++++	2055	8778	45186	136211	++++	1.00	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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

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-Butanol	TBAAd9	QuaF	557758 ++++ 416380	1538794 1676 1329937	5603	28887	86791	200 ++++ 5000	500 25.0 12500	125	500	1250
Trichloroethene	FB	Ave	++++ 584156	2548 1741545	11792	49055	142515	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	++++ 1811275	6717 5253911	30156	139693	414640	++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	++++ 1376733	4725 3901648	20314	108113	330697	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	++++ 646552	2637 1868221	13589	56419	157289	++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	++++ 349444	1359 1046798	6924	27363	79763	++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	++++ 112375	1281 320301	2695	9744	24833	++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	++++ 384180	2050 1102048	8130	33400	92553	++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	++++ 953235	3634 2795439	17602	75967	216049	++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	++++ 796079	3334 2340076	14938	65078	185159	++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	++++ 349487	1851 1106970	6562	25223	72456	++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	++++ 378219	1601 1152051	6899	30180	85393	++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Ave	1522 1326272	5228 3946185	24348	105941	298425	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNzd 5	Ave	++++ 1025966	3881 3050597	19548	81619	232828	++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	++++ 4053187	13683 11408143	70734	305614	915518	++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNzd 5	Ave	++++ 2748839	12117 7974547	56434	224032	658647	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNzd 5	Ave	++++ 893471	3227 2691979	16400	72133	203491	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNzd 5	Ave	++++ 901278	3861 2612371	16142	69273	207454	++++ 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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

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
1,1,2-Trichloroethane	CBNZd 5	Ave	++++ 471247	1729 1355537	9578	40408	112591	++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZd 5	Ave	++++ 608281	2763 1730892	11887	49626	146893	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZd 5	Ave	++++ 946252	4172 2790882	19648	82591	225494	++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	++++ 2451105	8703 6892483	42965	185054	539933	++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZd 5	Ave	++++ 1108208	5026 3155448	21019	90234	258969	++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZd 5	Ave	++++ 573572	2359 1690240	10388	46425	132729	++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZd 5	Ave	++++ 549392	2689 1573414	11733	46153	130189	++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZd 5	Ave	++++ 1727970	8022 4974976	36275	143091	413806	++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZd 5	Ave	++++ 1001718	4241 2817267	20080	81103	239725	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZd 5	Ave	++++ 665012	2734 1855429	12691	53563	154612	++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZd 5	Ave	++++ 1211636	4953 3412482	23704	98211	296877	++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZd 5	Ave	++++ 606171	2691 1704068	9662	46330	138810	++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZd 5	Ave	++++ 1313567	5625 3647613	25493	107258	315588	++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZd 5	Ave	++++ 2053996	7822 5811148	37533	163501	482621	++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd4	Ave	++++ 1571572	5549 4357126	27536	120862	370267	++++ 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.: 460-226624-1

Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6

GC Column: Rtx-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09

Calibration End Date: 01/05/2021 18:59

Calibration ID: 83464

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
Bromoform	CBNZd 5	Ave	++++ 416587	1736 1177718	7757	32100	94689	++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZd 5	Ave	++++ 3546124	13559 9593575	64052	268496	832562	++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd4	Ave	++++ 749234	3410 2112706	16478	63589	183027	++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	++++ 883165	3565 2449279	19046	75458	216737	++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd4	Ave	++++ 4086936	17161 10642802	78896	330172	1000096	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	++++ 247058	1359 662645	5836	22727	60568	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	++++ 236933	859 650810	4132	19254	56562	++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	++++ 2737596	11856 7674970	56472	224550	665839	++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd4	Ave	++++ 3334324	13638 9022722	66000	270935	817153	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	++++ 2944825	10745 8045961	52968	226996	694048	++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	++++ 2396351	10776 6748097	51346	203301	589303	++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd4	Ave	++++ 1115306	3488 3173969	18177	82231	254967	++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	++++ 2399926	7644 6765483	37443	173913	537437	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	++++ 3042489	12122 8140962	57128	237363	731104	++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	++++ 4010481	14065 9964168	67875	294153	936310	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	++++ 1543090	7123 4030820	33330	133328	385071	++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd4	Ave	++++ 3396691	12066 8545076	59292	257851	801000	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	++++ 1545860	7457 4198010	34586	137893	390508	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	++++ 3342003	11622 8689896	62781	264343	779060	++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd4	Ave	++++ 1921657	6049 5397840	34545	150950	451768	++++ 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.: 460-226624-1 Analy Batch No.: 751068

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2021 16:09 Calibration End Date: 01/05/2021 18:59 Calibration ID: 83464

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
Indan	DCBd4	Ave	++++ 3154043	12337 8156063	62605	260547	764108	++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd4	Ave	++++ 1790093	7115 4734152	33833	142505	435931	++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd4	Ave	++++ 1822135	7347 4757993	35811	145538	451197	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	++++ 1585975	6427 4251485	35446	142261	399095	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd4	Ave	++++ 3358888	12413 8213229	62126	257678	774827	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	++++ 214144	972 586556	4596	18100	51323	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	++++ 1285310	5700 3366221	25977	108006	310579	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	++++ 1241676	5285 3178552	26226	104894	298063	++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	++++ 457978	1806 1208677	8681	36790	109376	++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd4	Ave	++++ 3442758	13948 8732324	68272	285460	819258	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	++++ 1143083	5235 2948264	24528	97655	278787	++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	165938 180131	152706 201641	149435	159124	171770	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	187857 215293	172676 258456	169249	180957	201077	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNzd 5	Ave	639416 733425	601838 814129	586983	611930	698447	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNzd 5	Ave	195971 217753	185228 236721	182465	183303	209828	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Lims ID: STD7  
 Client ID:  
 Sample Type: IC Calib Level: 7  
 Inject. Date: 05-Jan-2021 16:09:30 ALS Bottle#: 2 Worklist Smp#: 3  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD7  
 Misc. Info.: 460-0122504-003  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:21:49 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 05-Jan-2021 19:55:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.119	3.119	0.000	0	339990	1000.0	1000.0	
31 Acrylonitrile	53	3.357	3.357	0.000	92	3220	2.00	2.23	
* 38 2-Butanone-d5	46	4.113	4.113	0.000	0	356267	250.0	250.0	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	97	165938	50.0	50.1	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	187857	50.0	48.6	
* 61 Fluorobenzene	96	5.181	5.181	0.000	99	611799	50.0	50.0	
* 67 1,4-Dioxane-d8	96	5.871	5.871	0.000	0	34254	1000.0	1000.0	
75 Epichlorohydrin	57	6.521	6.521	0.000	69	1522	5.00	5.39	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	639416	50.0	50.2	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	87	433562	50.0	50.0	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	88	195971	50.0	50.9	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	267959	50.0	50.0	

## QC Flag Legend

Processing Flags



**Reagents:**

ACROLEIN W_00118	Amount Added: 0.00	Units: uL	
GASES Li_00401	Amount Added: 2.50	Units: uL	
8260MIX1COMB_00130	Amount Added: 0.00	Units: uL	
ACRY/EPIH MIX_00081	Amount Added: 20.00	Units: uL	
Ethanol mix_00047	Amount Added: 0.00	Units: uL	
MIX 2 Hi_00106	Amount Added: 0.00	Units: uL	
MIX I Hi_00133	Amount Added: 0.00	Units: uL	
524freon_00031	Amount Added: 0.00	Units: uL	
8FreonHi_00027	Amount Added: 0.00	Units: uL	
GAS Hi_00378	Amount Added: 0.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD7

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

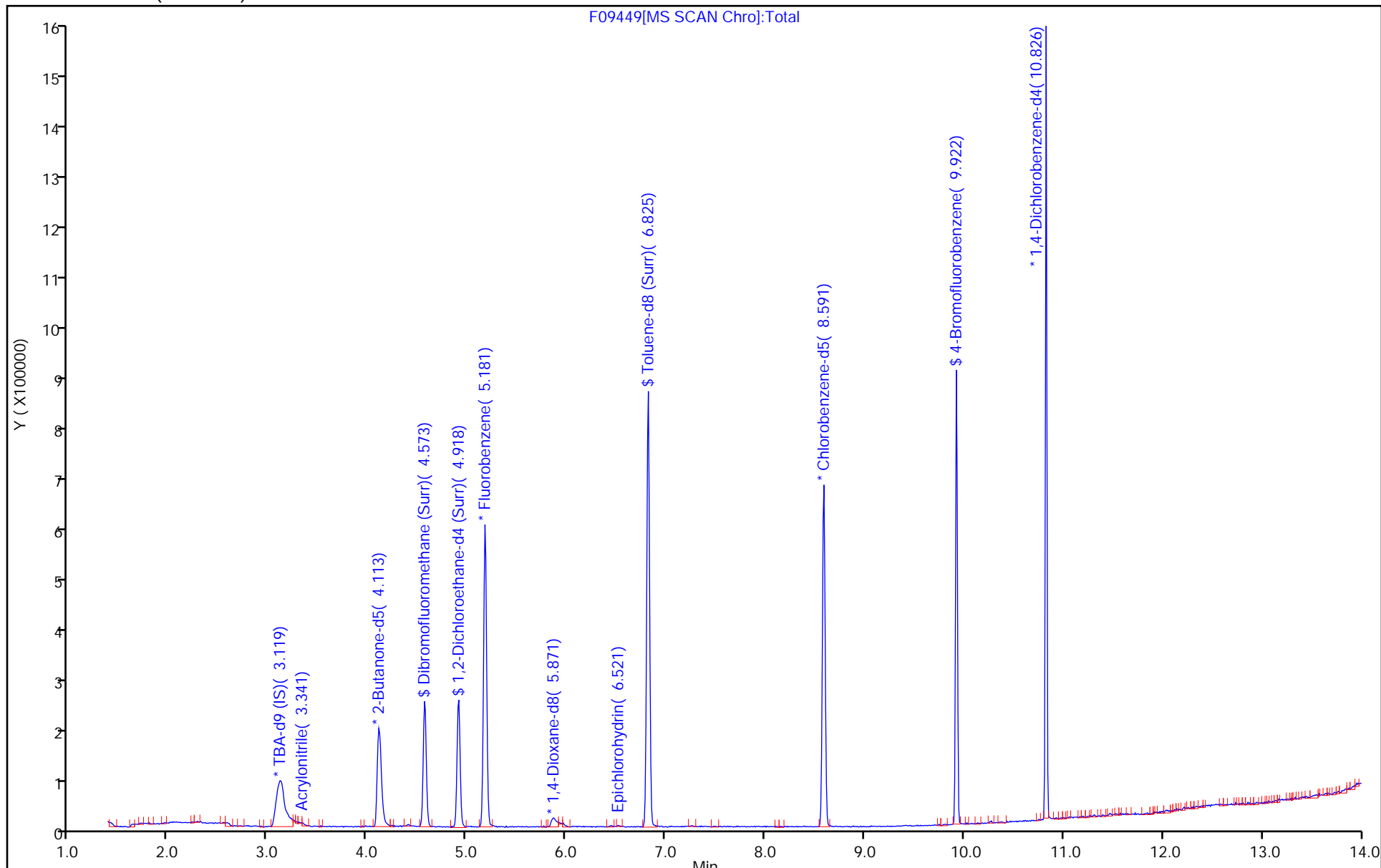
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

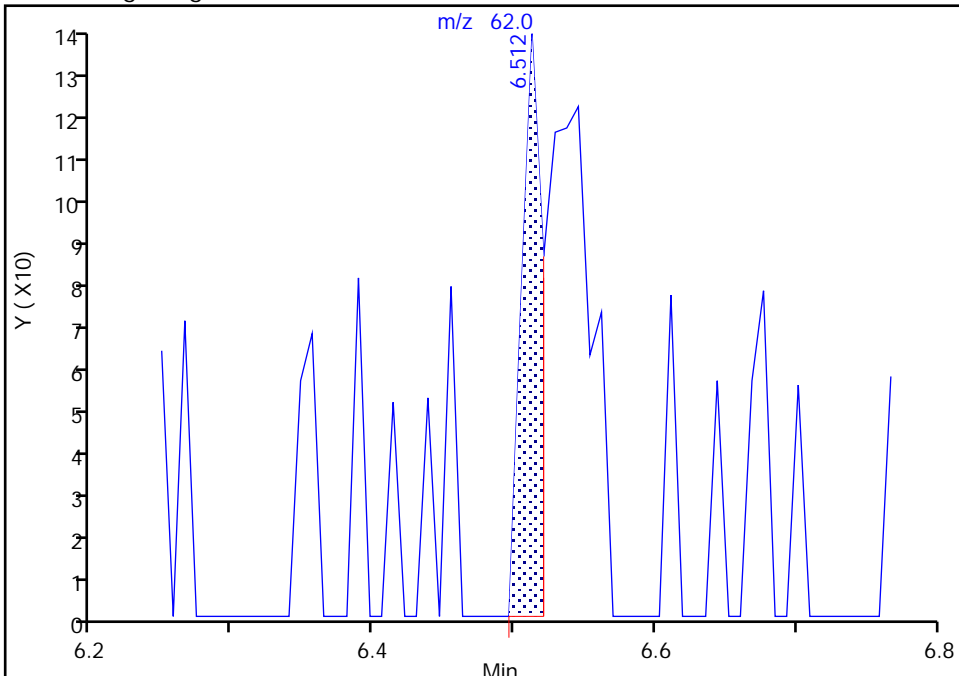
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Injection Date: 05-Jan-2021 16:09:30 Instrument ID: CVOAMS6  
Lims ID: STD7  
Client ID:  
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

75 Epichlorohydrin, CAS: 106-89-8

Signal: 2

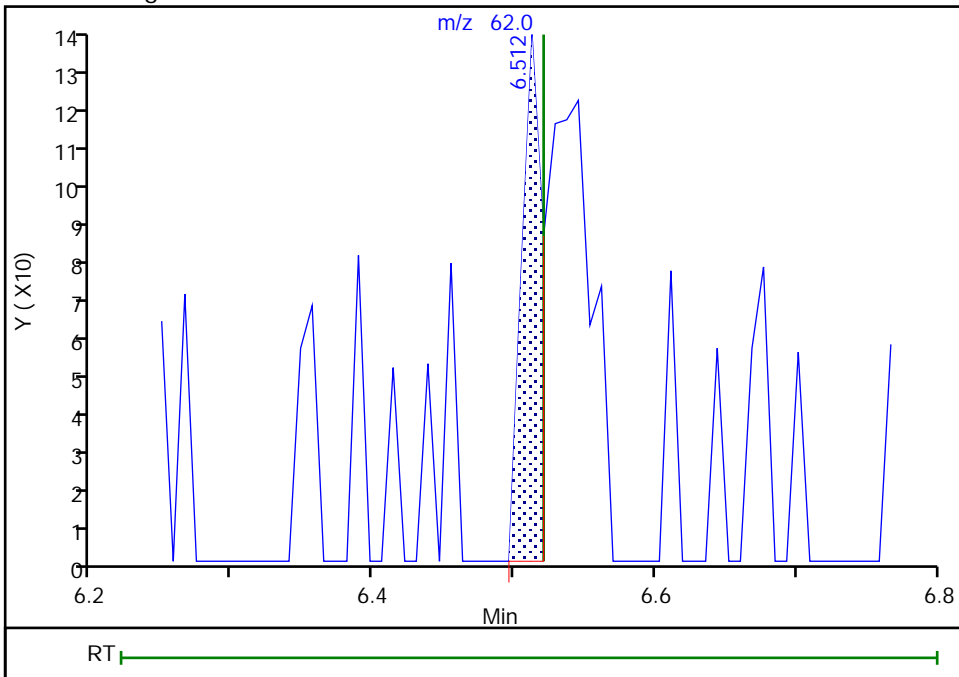
RT: 6.51  
Area: 143  
Amount: 5.002291  
Amount Units: ug/l

Processing Integration Results



RT: 6.51  
Area: 143  
Amount: 5.391682  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 05-Jan-2021 19:53:23  
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

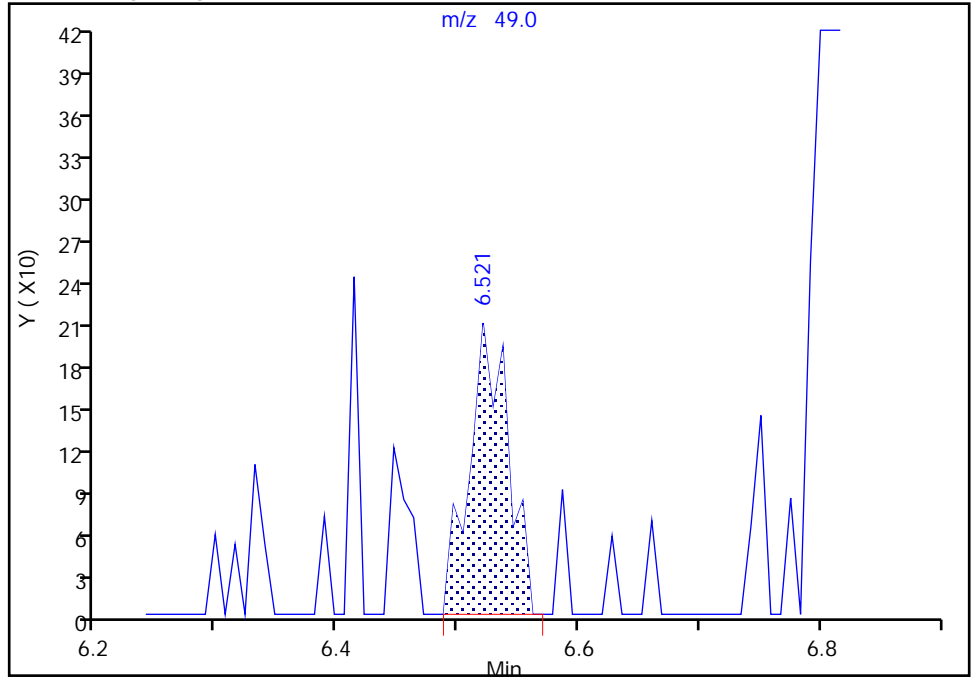
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Injection Date: 05-Jan-2021 16:09:30 Instrument ID: CVOAMS6  
Lims ID: STD7  
Client ID:  
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

75 Epichlorohydrin, CAS: 106-89-8

Signal: 3

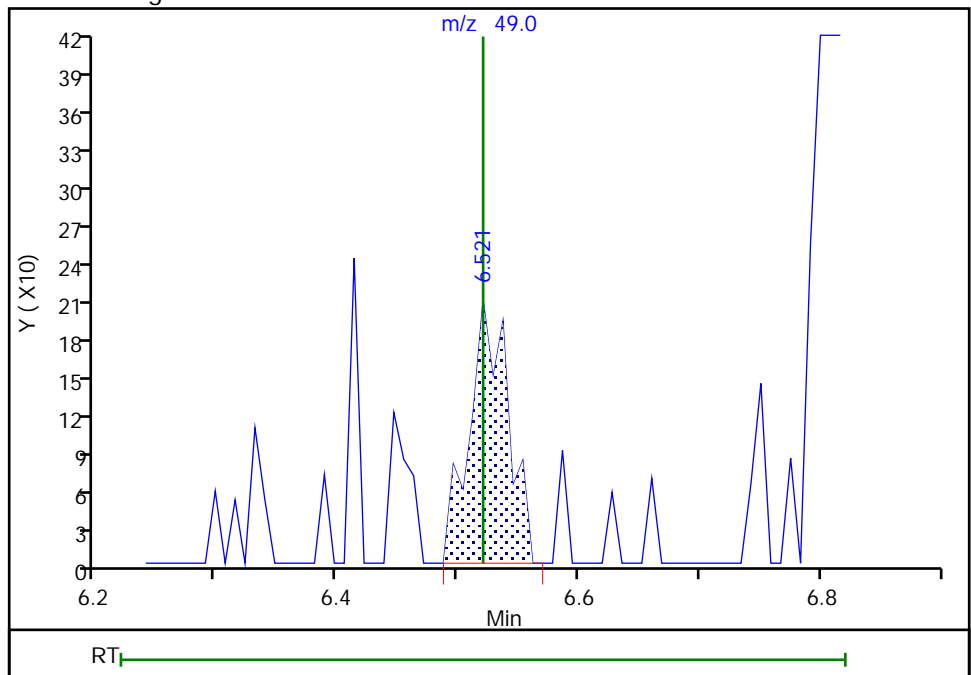
RT: 6.52  
Area: 464  
Amount: 5.002291  
Amount Units: ug/l

Processing Integration Results



RT: 6.52  
Area: 464  
Amount: 5.391682  
Amount Units: ug/l

Manual Integration Results



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

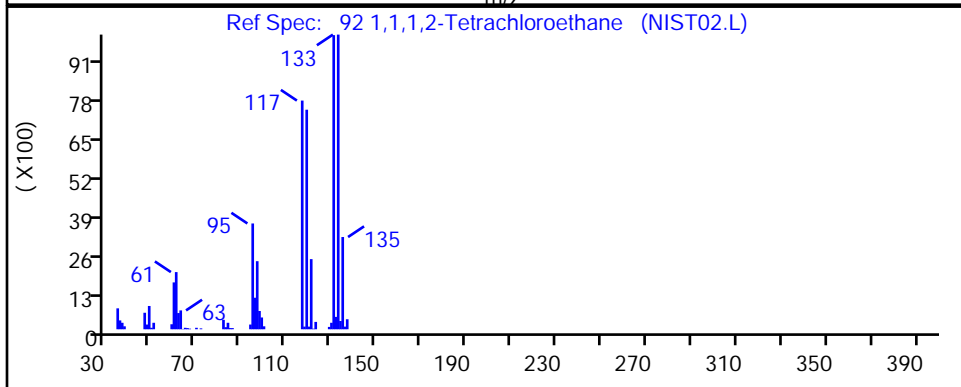
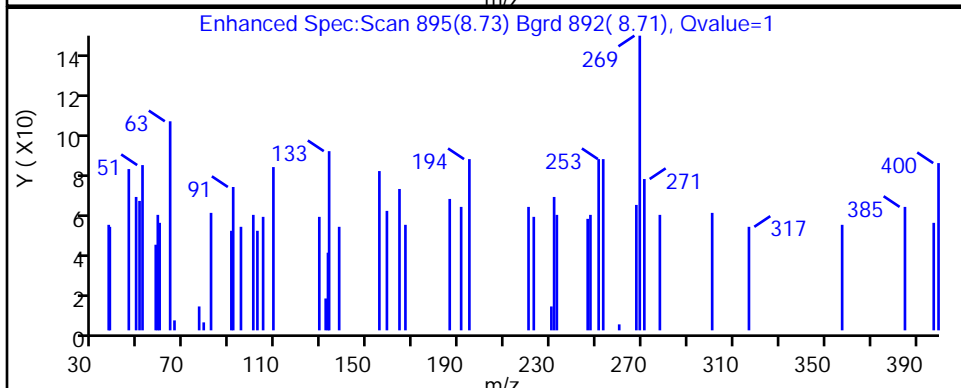
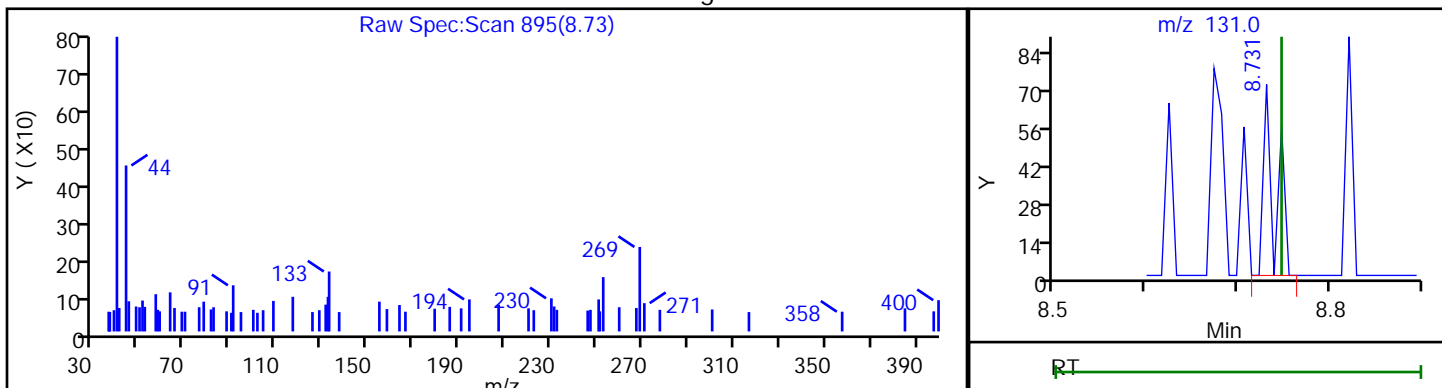
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

92 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results



RT	Mass	Response	Amount
8.73	131.00	63	0.022172

Reviewer: kluseys, 05-Jan-2021 19:53:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

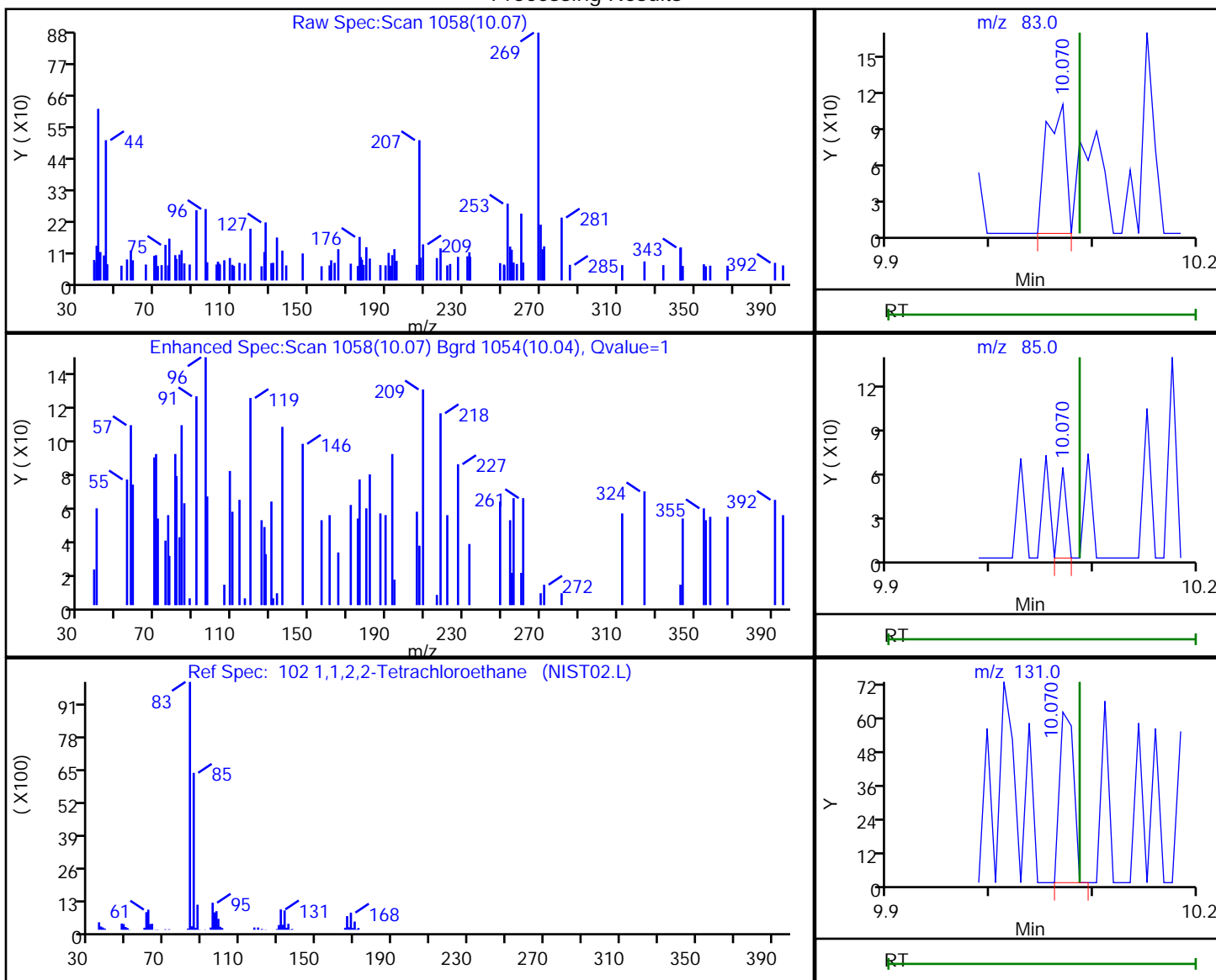
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

102 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
10.07	83.00	138	0.034086
10.07	85.00	30	
10.07	131.00	59	

Reviewer: kluseys, 05-Jan-2021 19:54:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

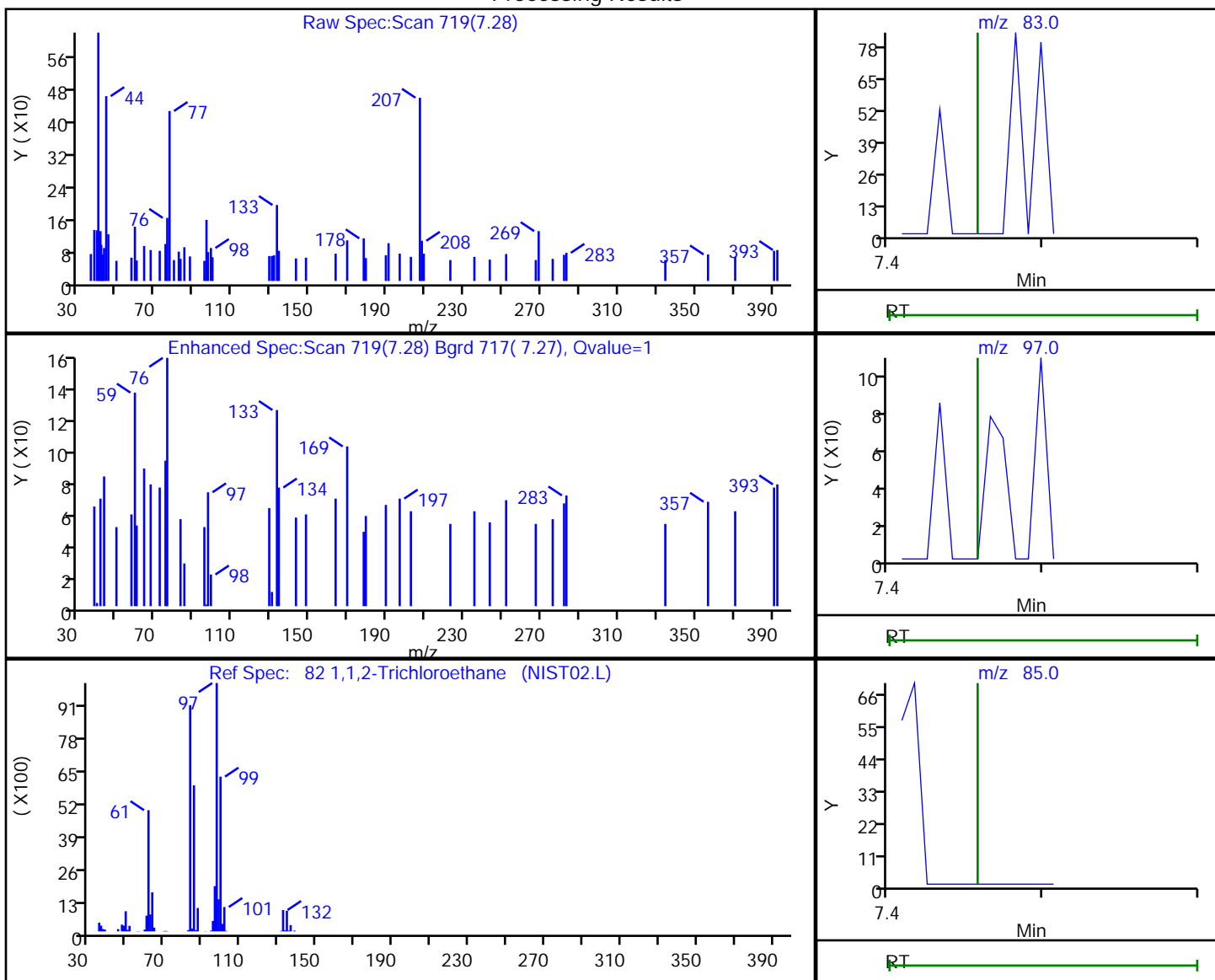
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

82 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.28	83.00	27	0.013243
7.28	97.00	35	
7.28	85.00	163	

Reviewer: kluseys, 05-Jan-2021 19:53:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfms\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

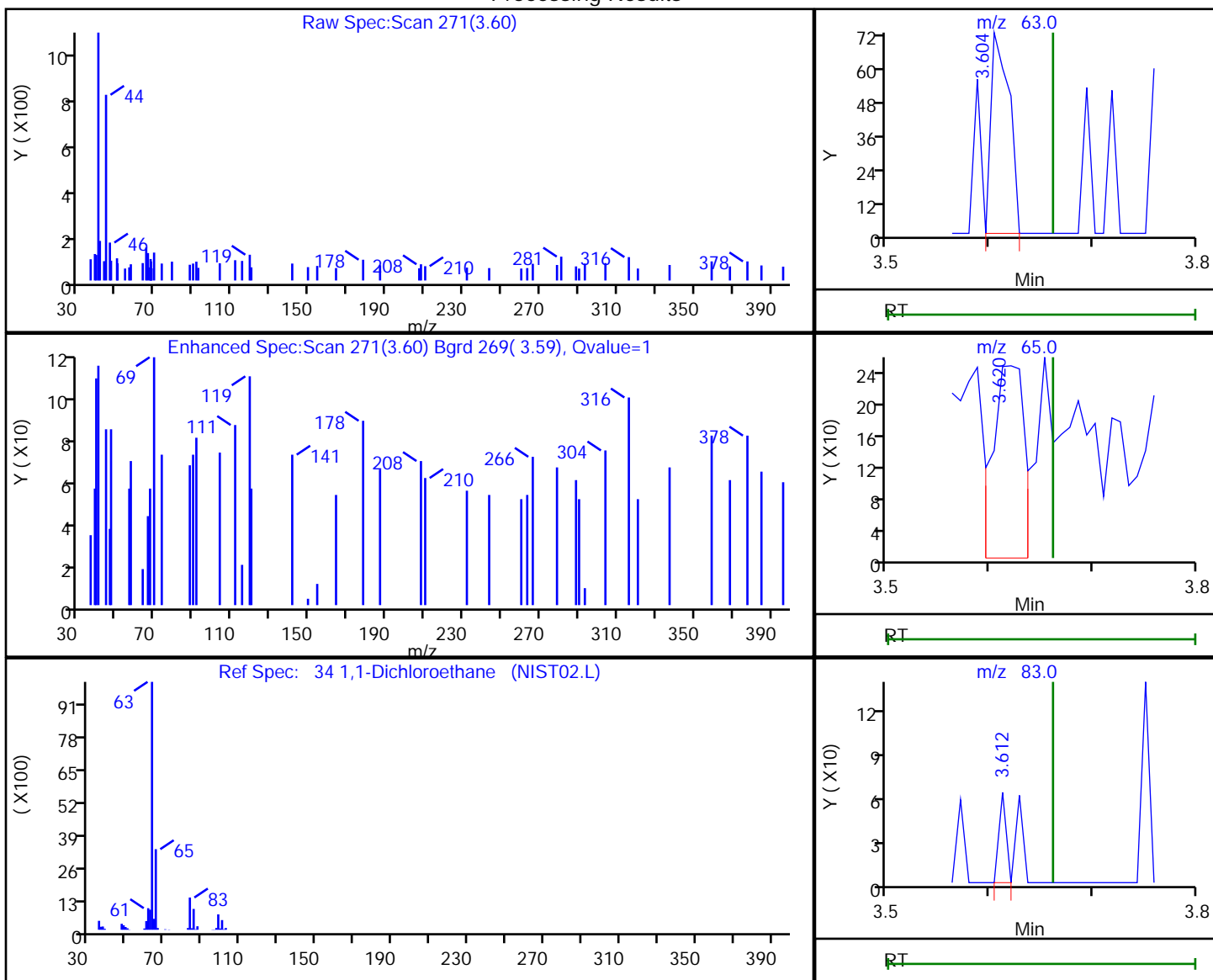
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
3.60	63.00	90	0.015828
3.62	65.00	543	
3.61	83.00	31	

Reviewer: kluseys, 05-Jan-2021 19:52:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

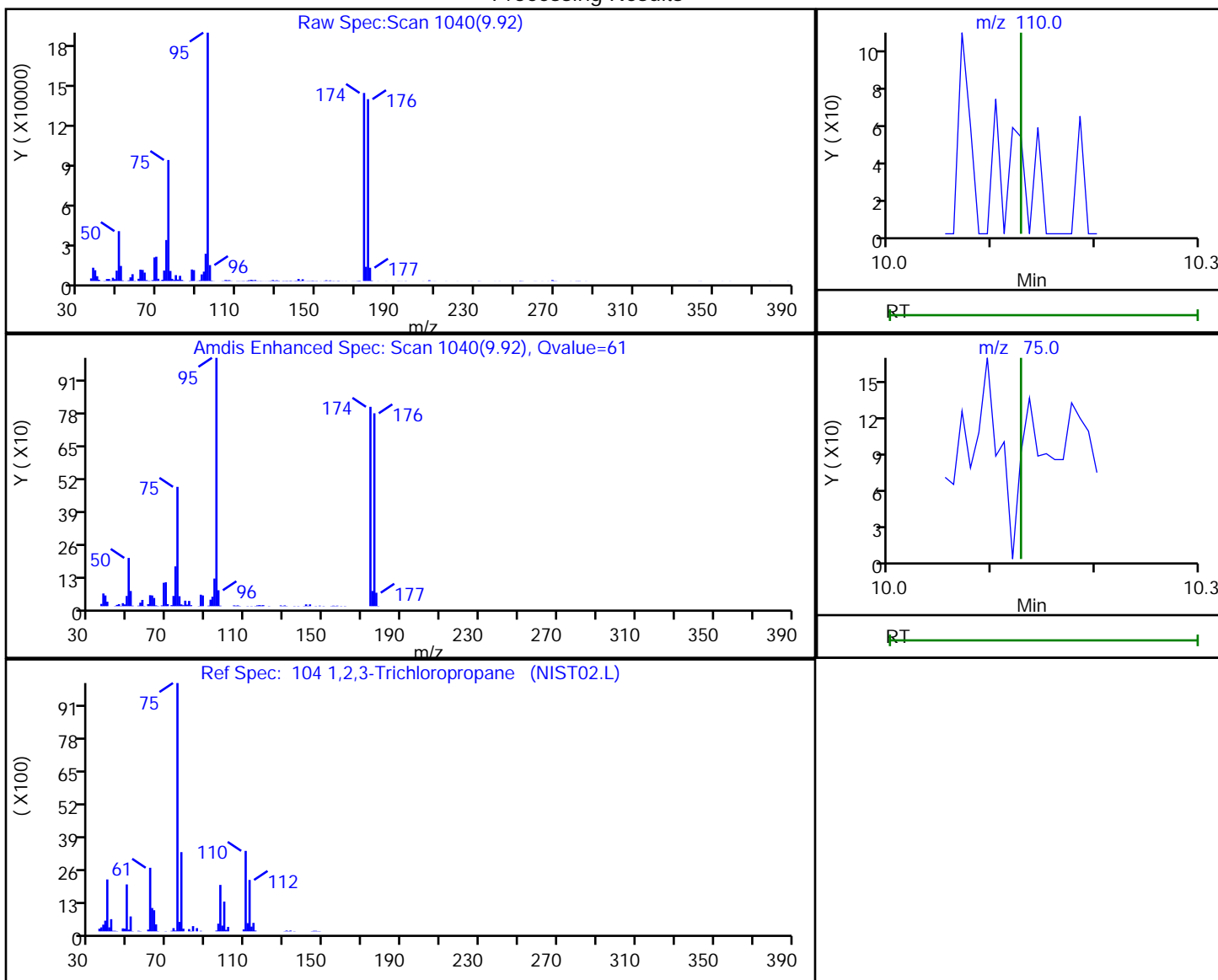
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
9.92	110.00	95	3.337308
9.92	75.00	116326	

Reviewer: kluseys, 05-Jan-2021 19:54:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

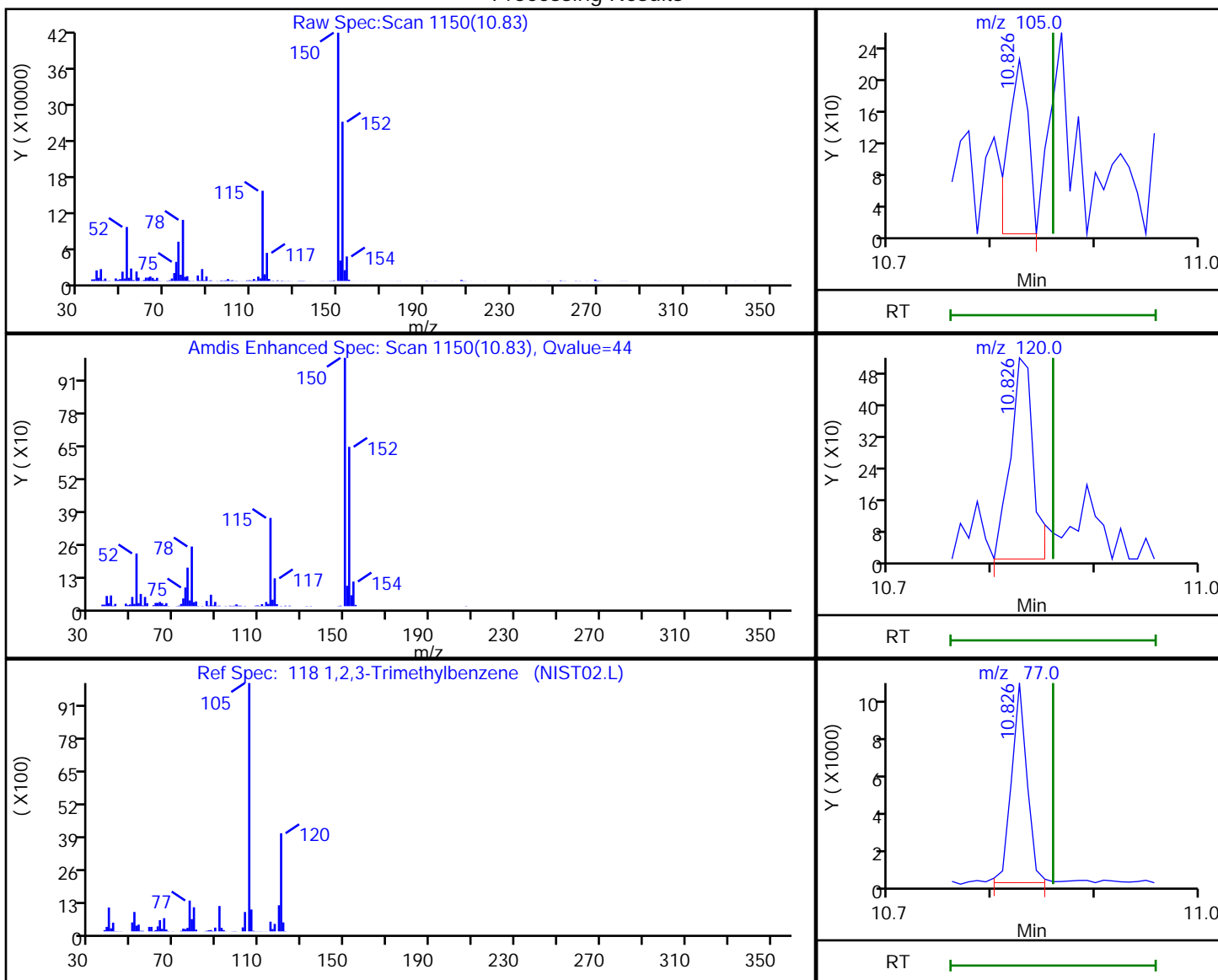
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

118 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.83	105.00	297	0.020952
10.83	120.00	793	
10.83	77.00	10675	

Reviewer: kluseys, 05-Jan-2021 19:54:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

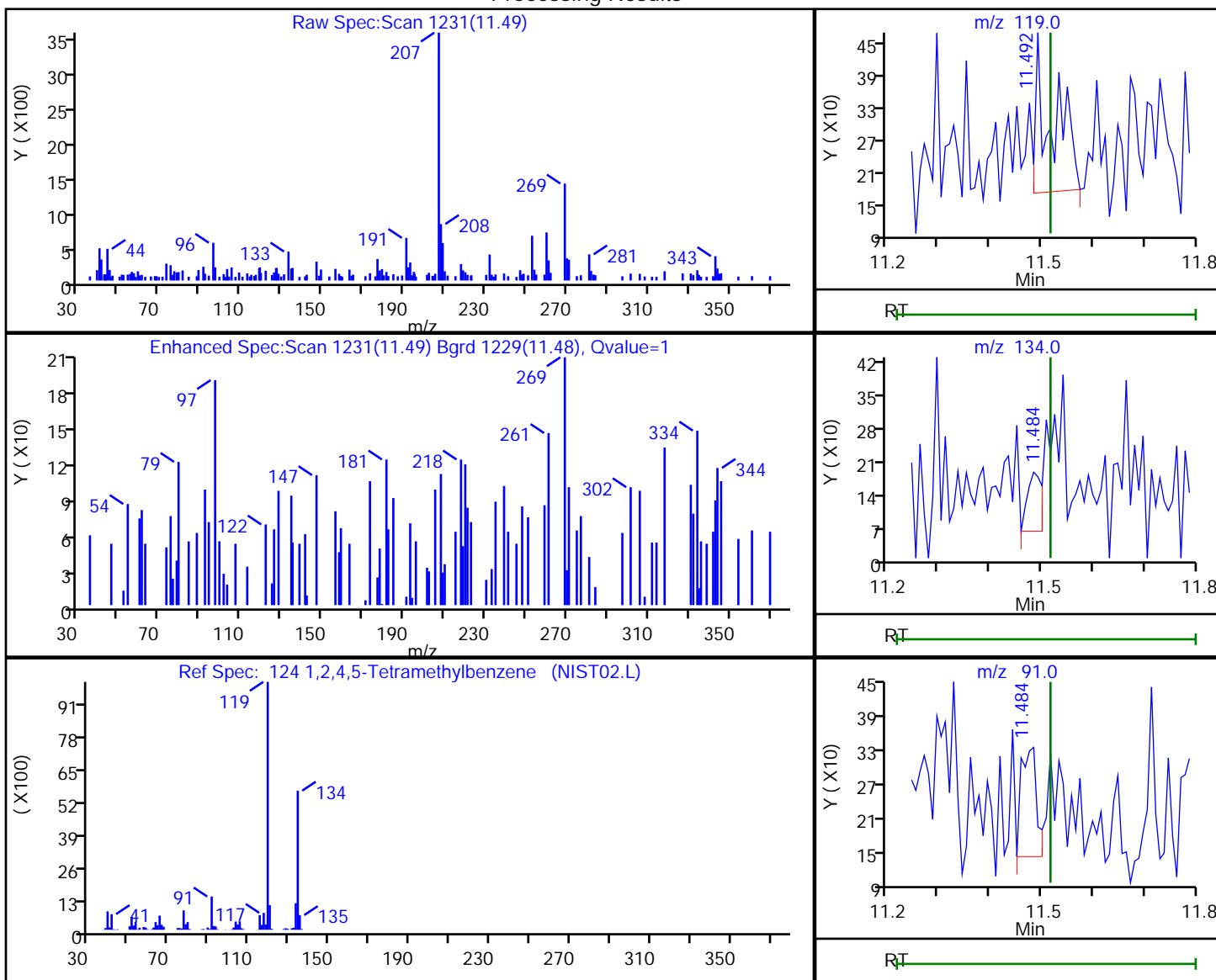
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

124 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
11.49	119.00	669	0.047468
11.48	134.00	238	
11.48	91.00	390	

Reviewer: kluseys, 05-Jan-2021 19:54:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

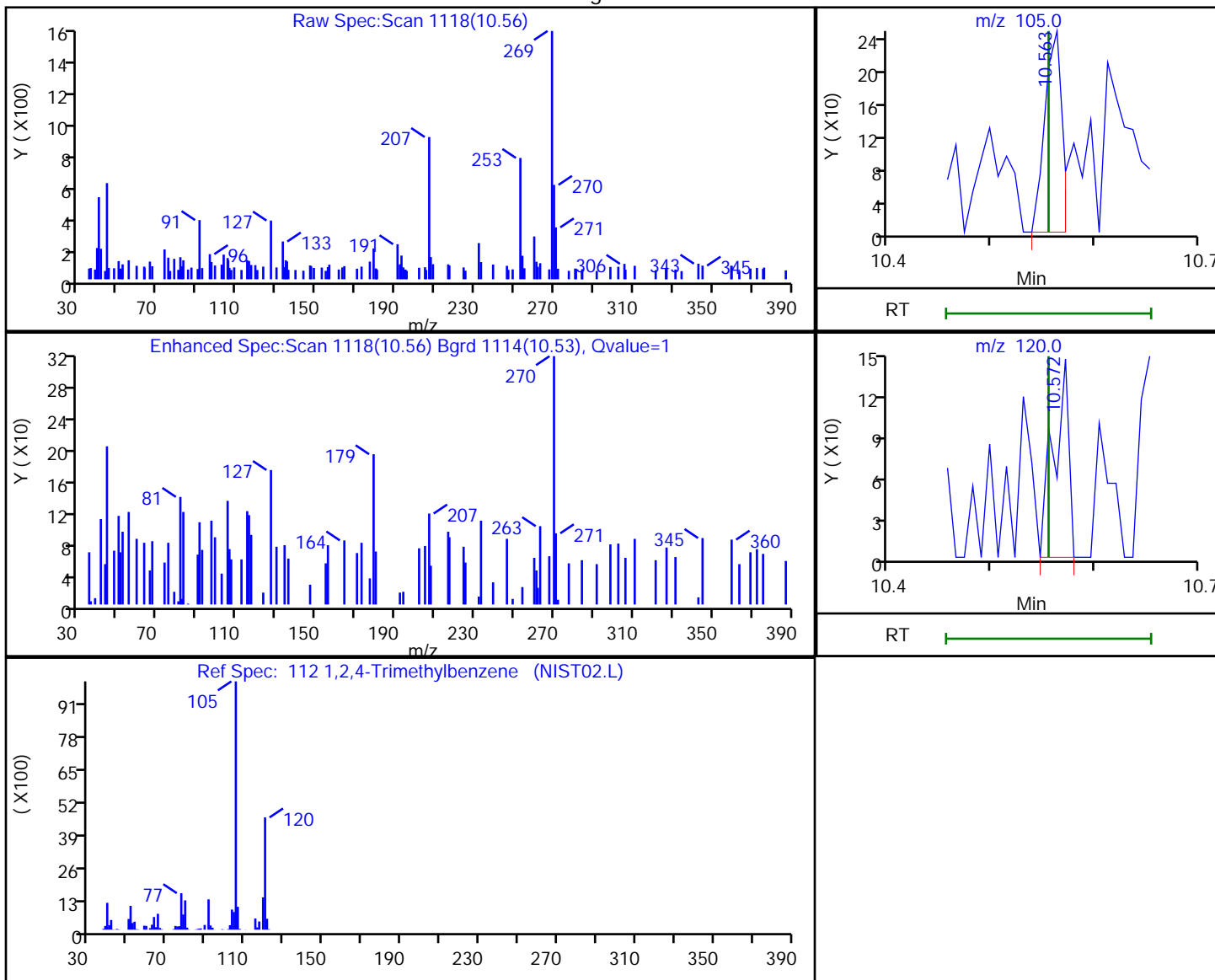
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

112 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
10.56	105.00	296	0.022287
10.57	120.00	143	

Reviewer: kluseys, 05-Jan-2021 19:54:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

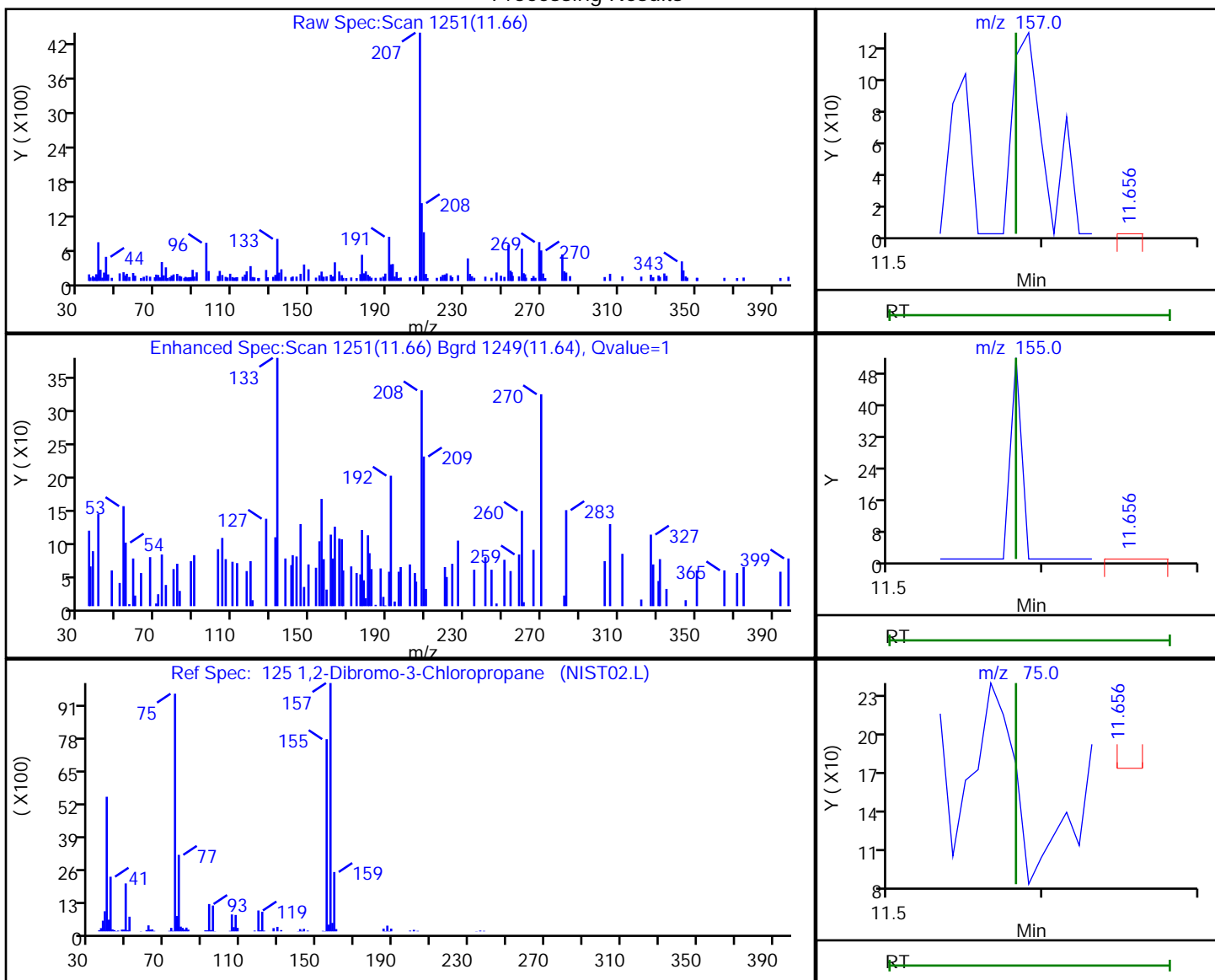
Limit Group: VOA - 8260D Water and Solid

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
11.66	157.00	70	-0.004060
11.66	155.00	140	
11.66	75.00	34	

Reviewer: kluseys, 05-Jan-2021 19:54:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

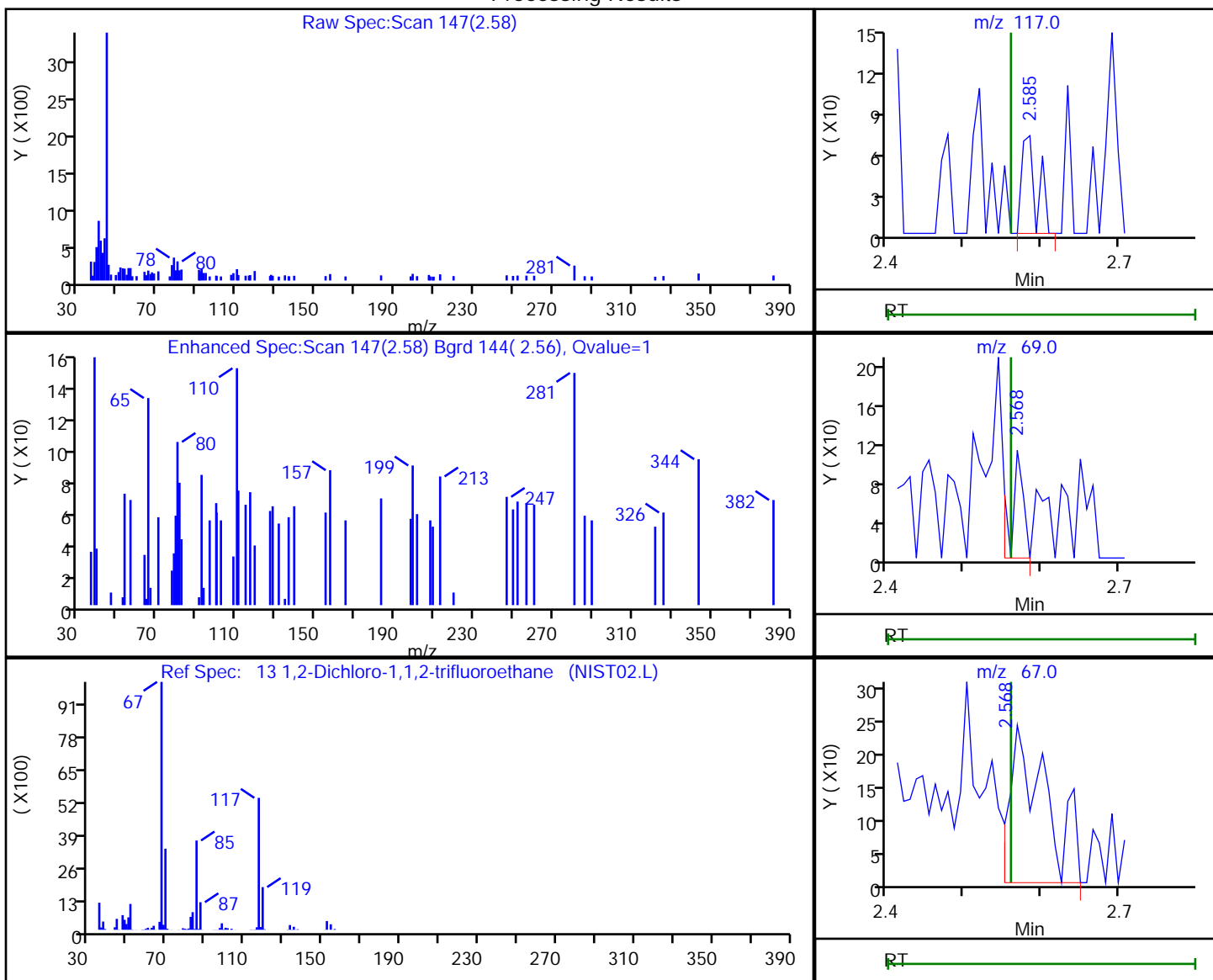
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

13 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Processing Results



RT	Mass	Response	Amount
2.58	117.00	97	0.030351
2.57	69.00	117	
2.57	67.00	779	
2.57	119.00	447	

Reviewer: kluseys, 05-Jan-2021 19:50:41

Audit Action: Marked Compound Undetected

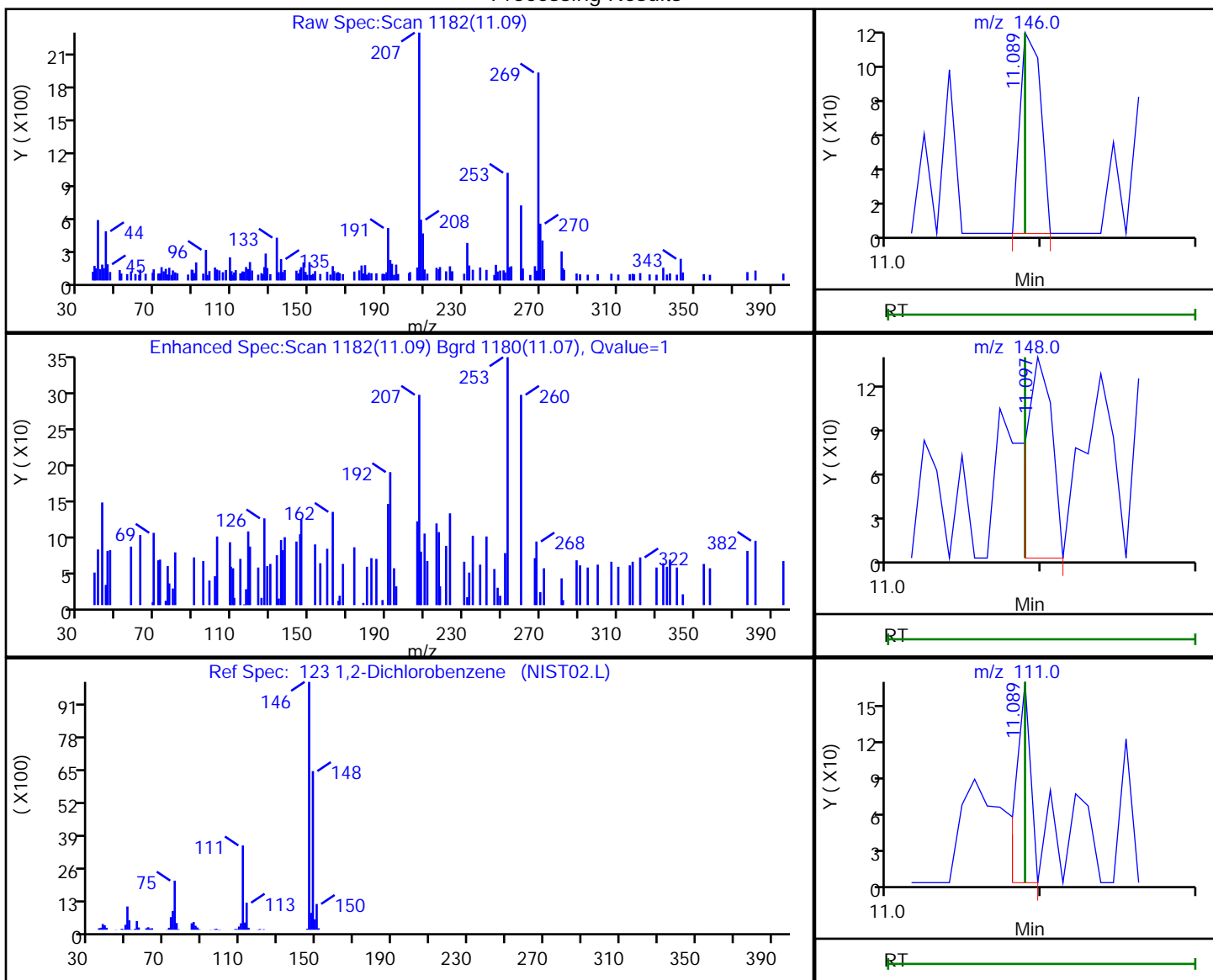
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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	110	0.014931
11.10	148.00	154	
11.09	111.00	108	

Reviewer: kluseys, 05-Jan-2021 19:54:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

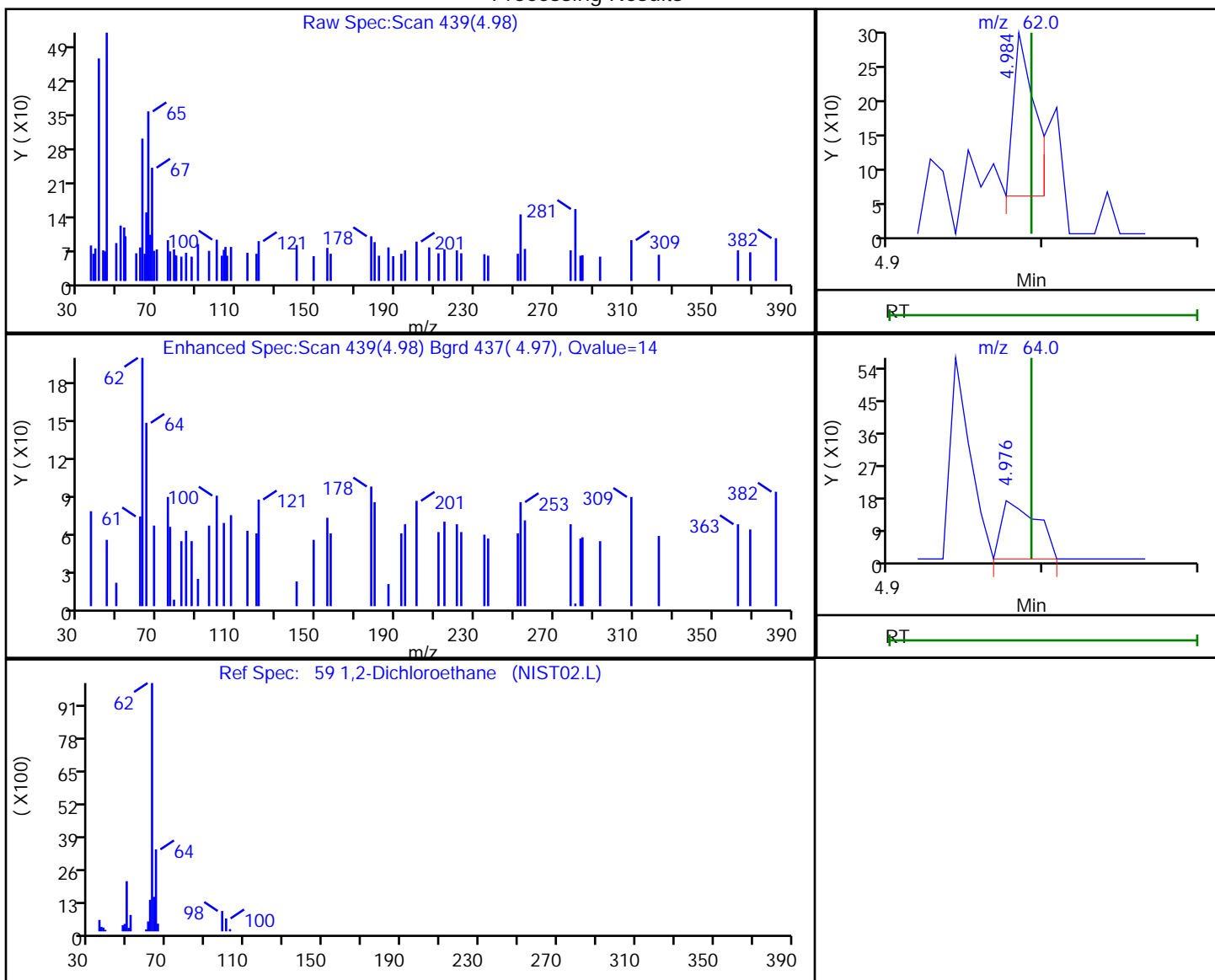
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

59 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.98	62.00	232	0.062861
4.98	64.00	261	

Reviewer: kluseys, 05-Jan-2021 19:53:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

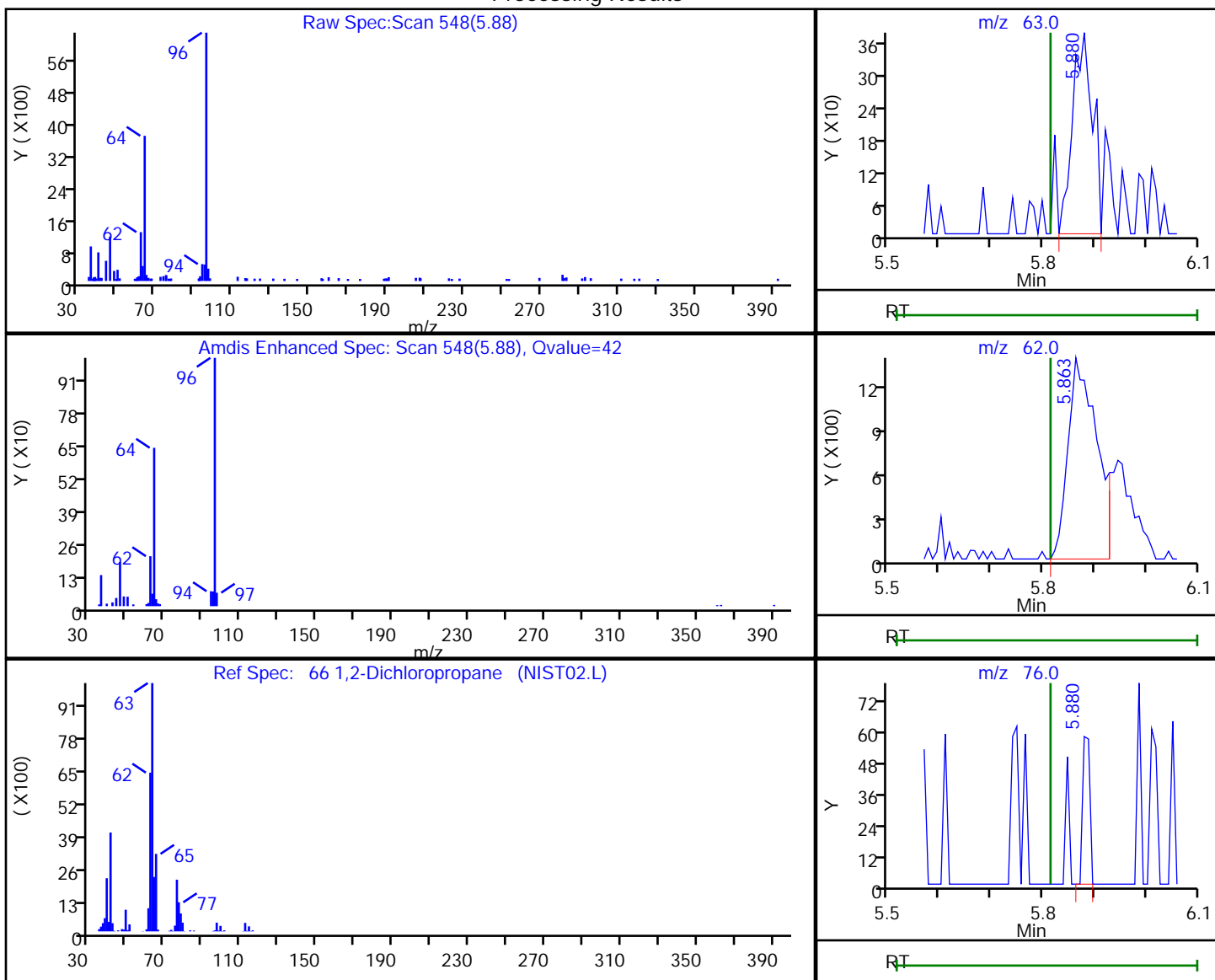
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

66 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
5.88	63.00	1017	0.341565
5.86	62.00	5422	
5.88	76.00	57	
5.81	112.00	0	

Reviewer: kluseys, 05-Jan-2021 19:53:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

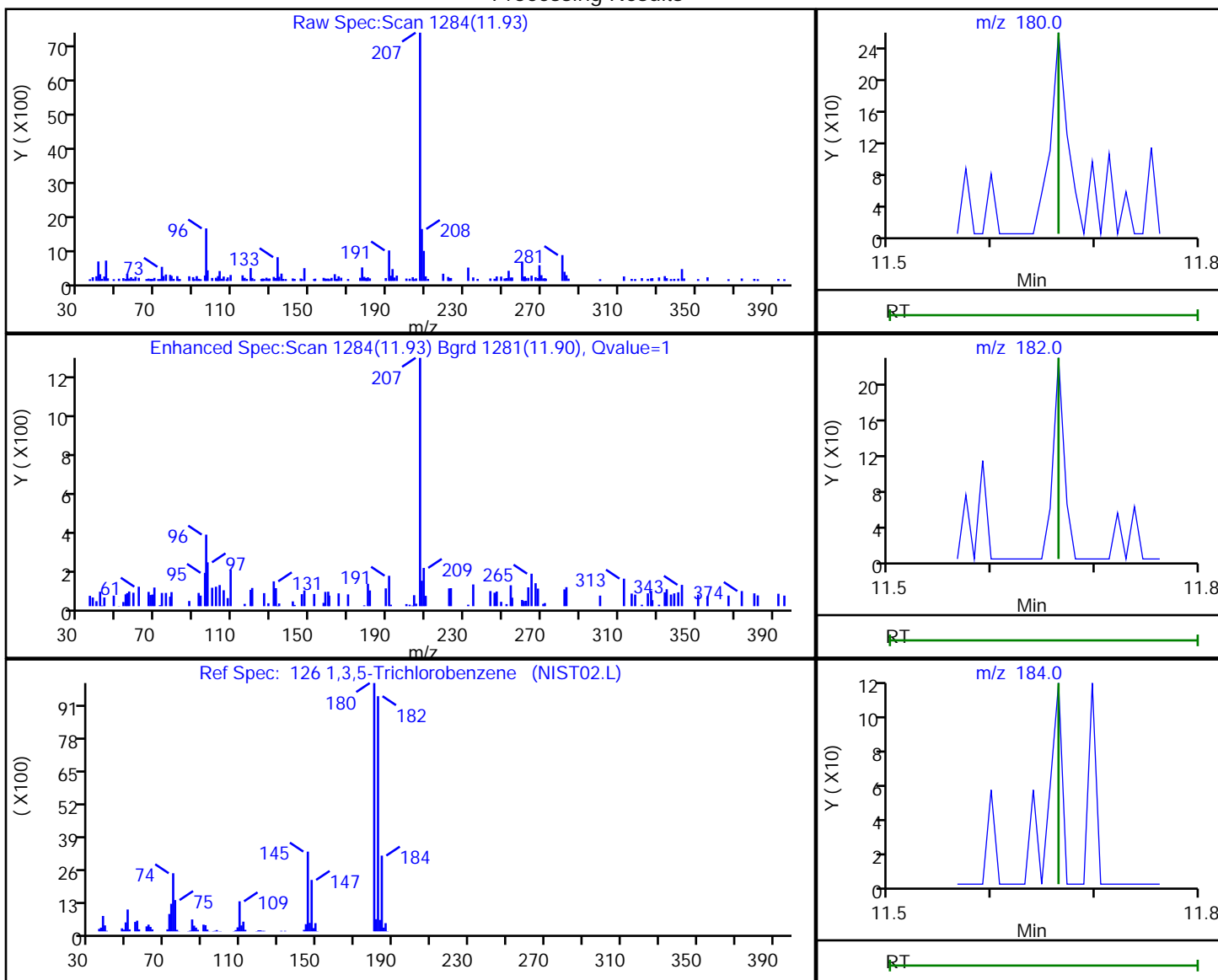
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

126 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
11.93	180.00	84	0.014403
11.91	182.00	117	
11.94	184.00	53	

Reviewer: kluseys, 05-Jan-2021 19:54:33

Audit Action: Marked Compound Undetected

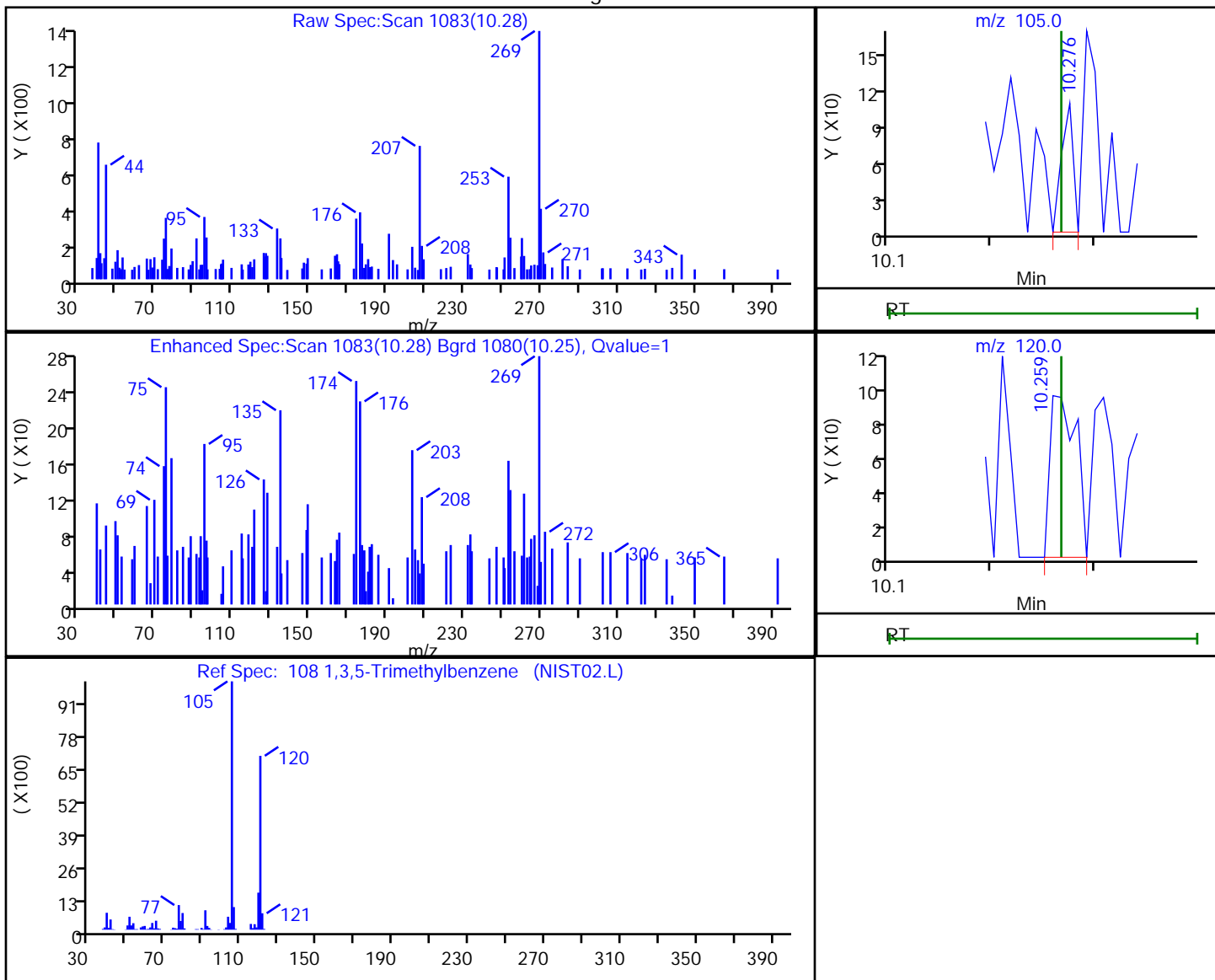
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
10.28	105.00	83	0.006598
10.26	120.00	158	

Reviewer: kluseys, 05-Jan-2021 19:54:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

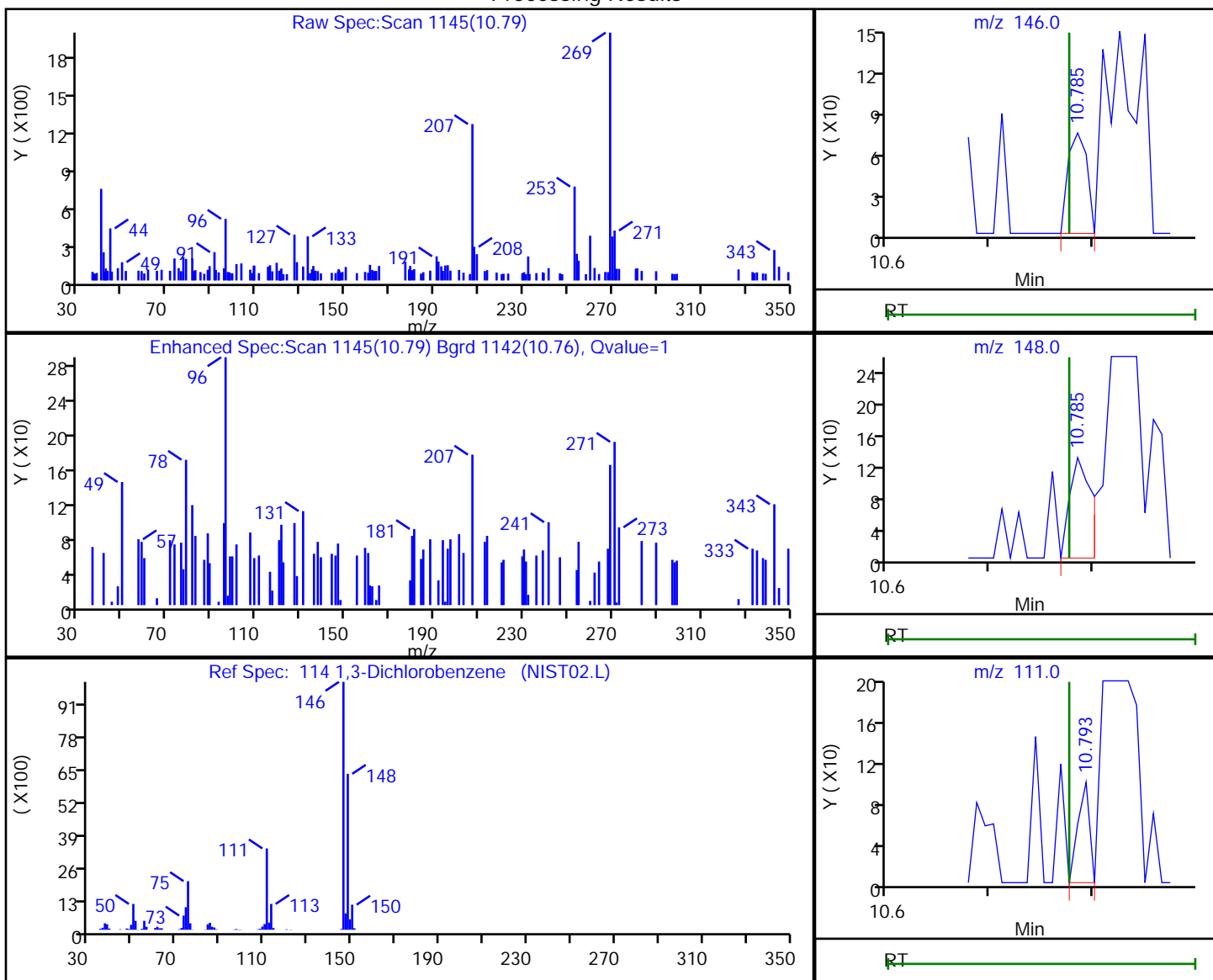
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

114 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.79	146.00	92	0.012788
10.79	148.00	190	
10.79	111.00	77	

Reviewer: kluseys, 05-Jan-2021 19:54:20

Audit Action: Marked Compound Undetected

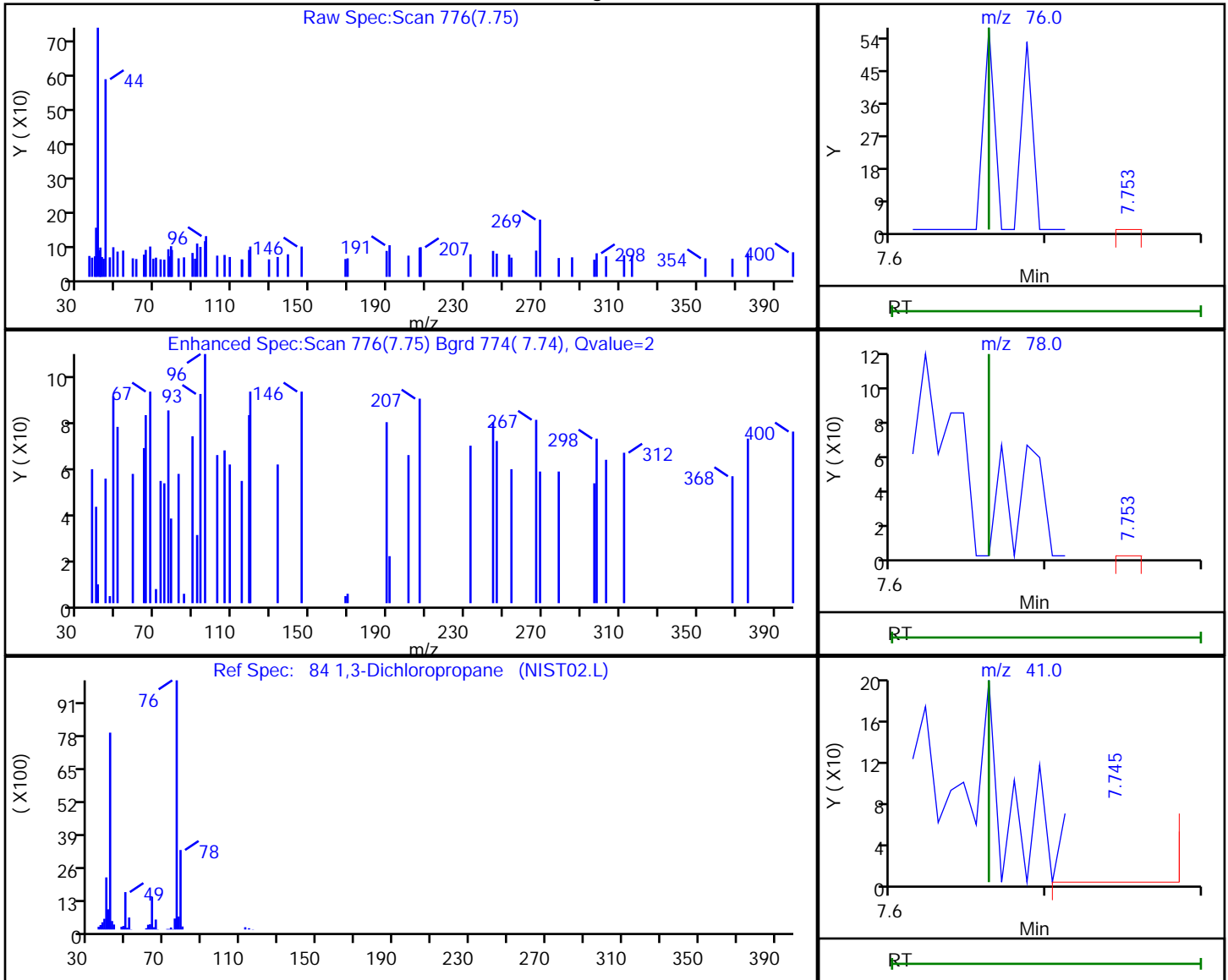
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
7.75	76.00	40	0.009385
7.75	78.00	116	
7.74	41.00	566	

Reviewer: kluseys, 05-Jan-2021 19:53:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

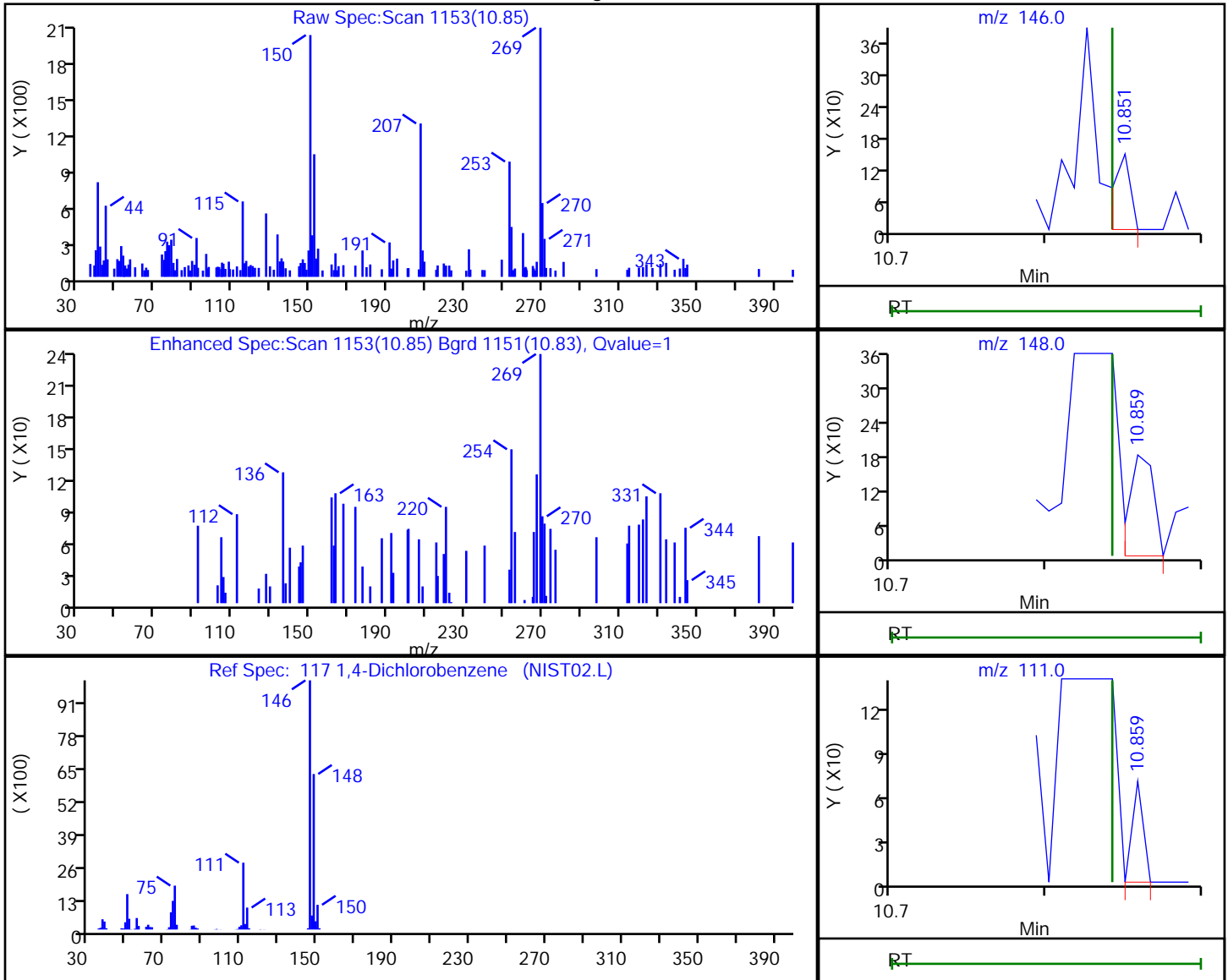
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

117 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.85	146.00	109	0.014717
10.86	148.00	195	
10.86	111.00	34	

Reviewer: kluseys, 05-Jan-2021 19:54:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

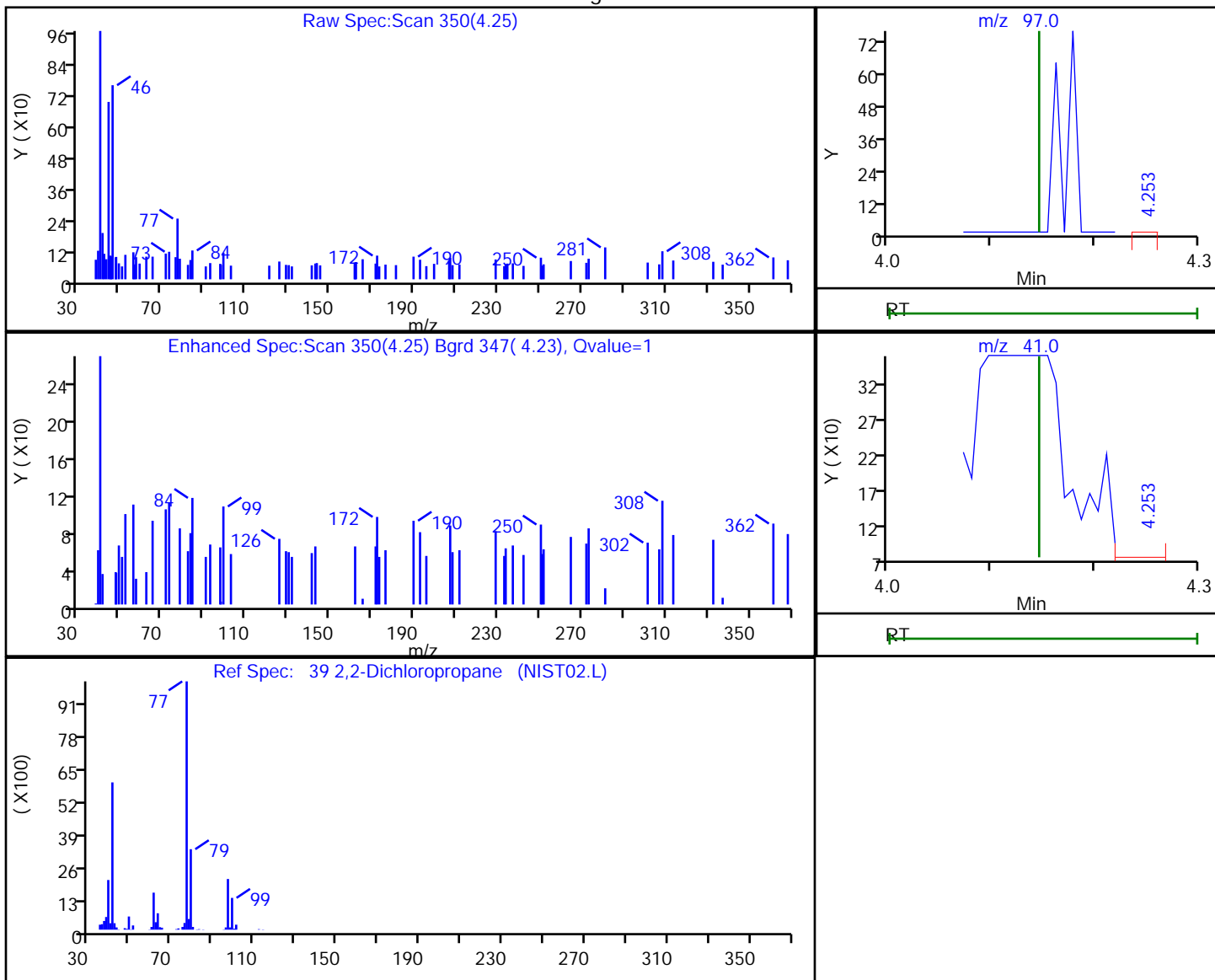
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

39 2,2-Dichloropropane, CAS: 594-20-7

Processing Results



RT	Mass	Response	Amount
4.25	97.00	54	0.050077
4.25	41.00	219	

Reviewer: kluseys, 05-Jan-2021 19:52:27

Audit Action: Marked Compound Undetected

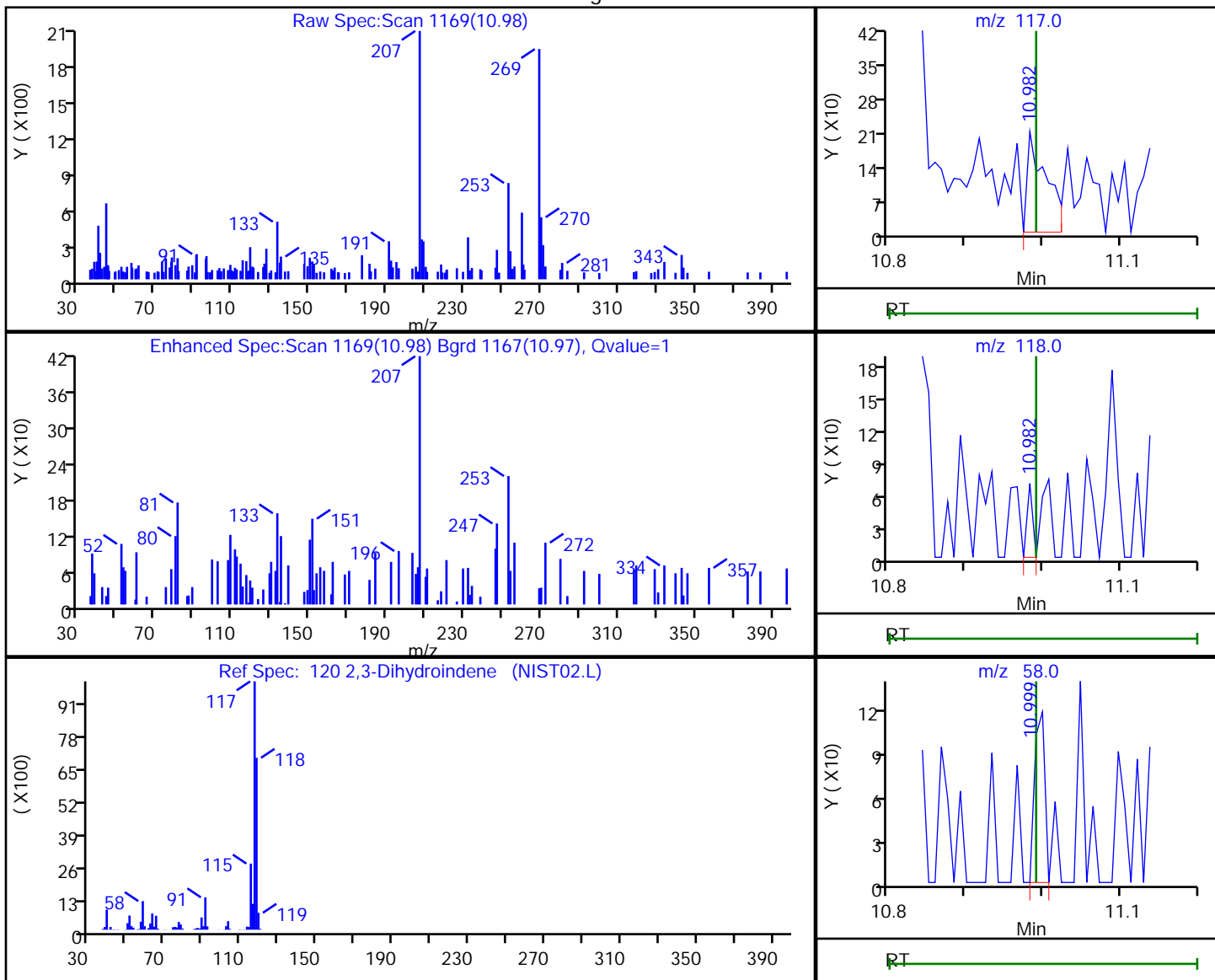
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
10.98	117.00	352	0.025298
10.98	118.00	34	
11.00	58.00	103	

Reviewer: kluseys, 05-Jan-2021 19:54:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

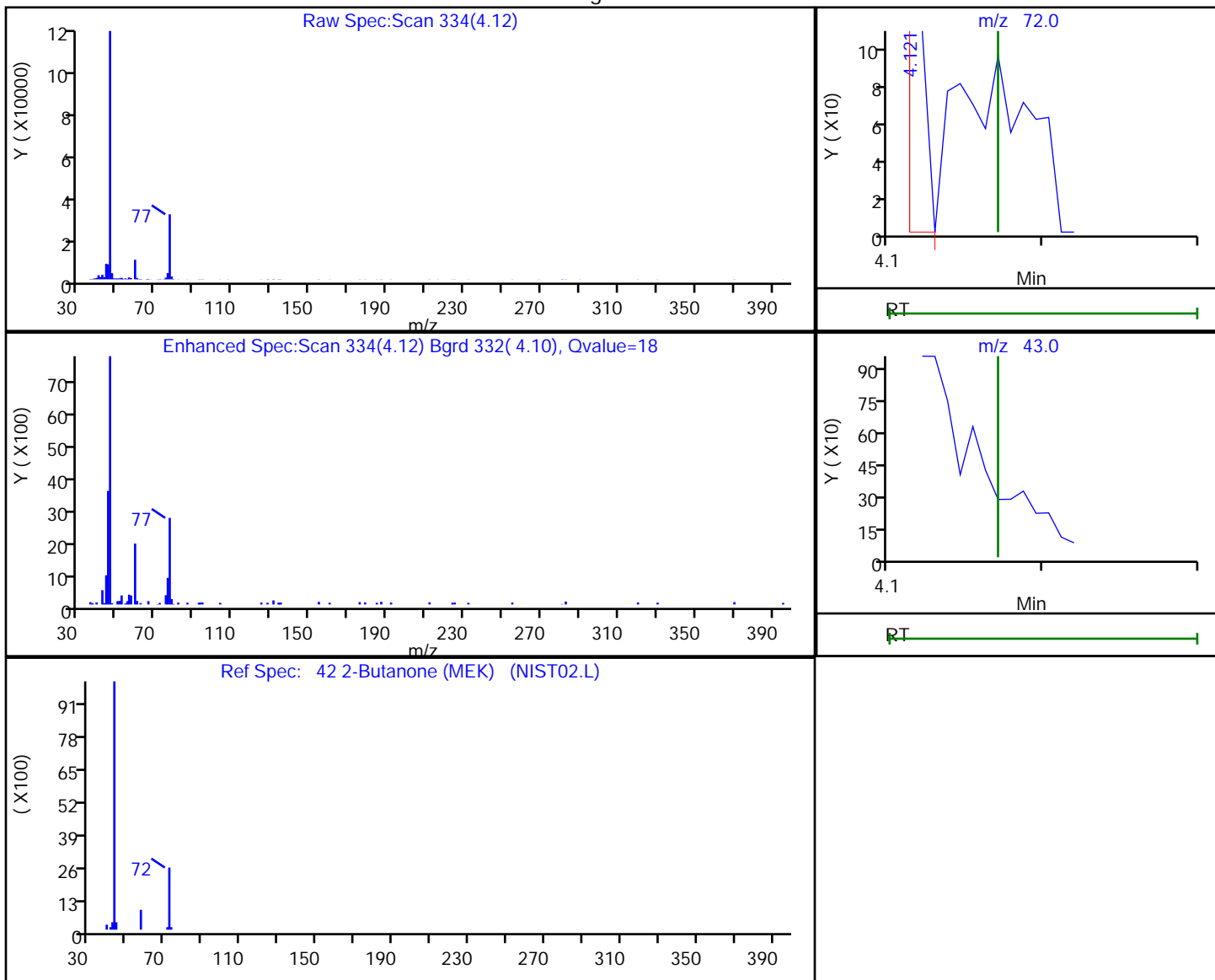


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.12	72.00	53	0.140704
4.12	43.00	4127	

Reviewer: kluseys, 05-Jan-2021 19:52:31

Audit Action: Marked Compound Undetected

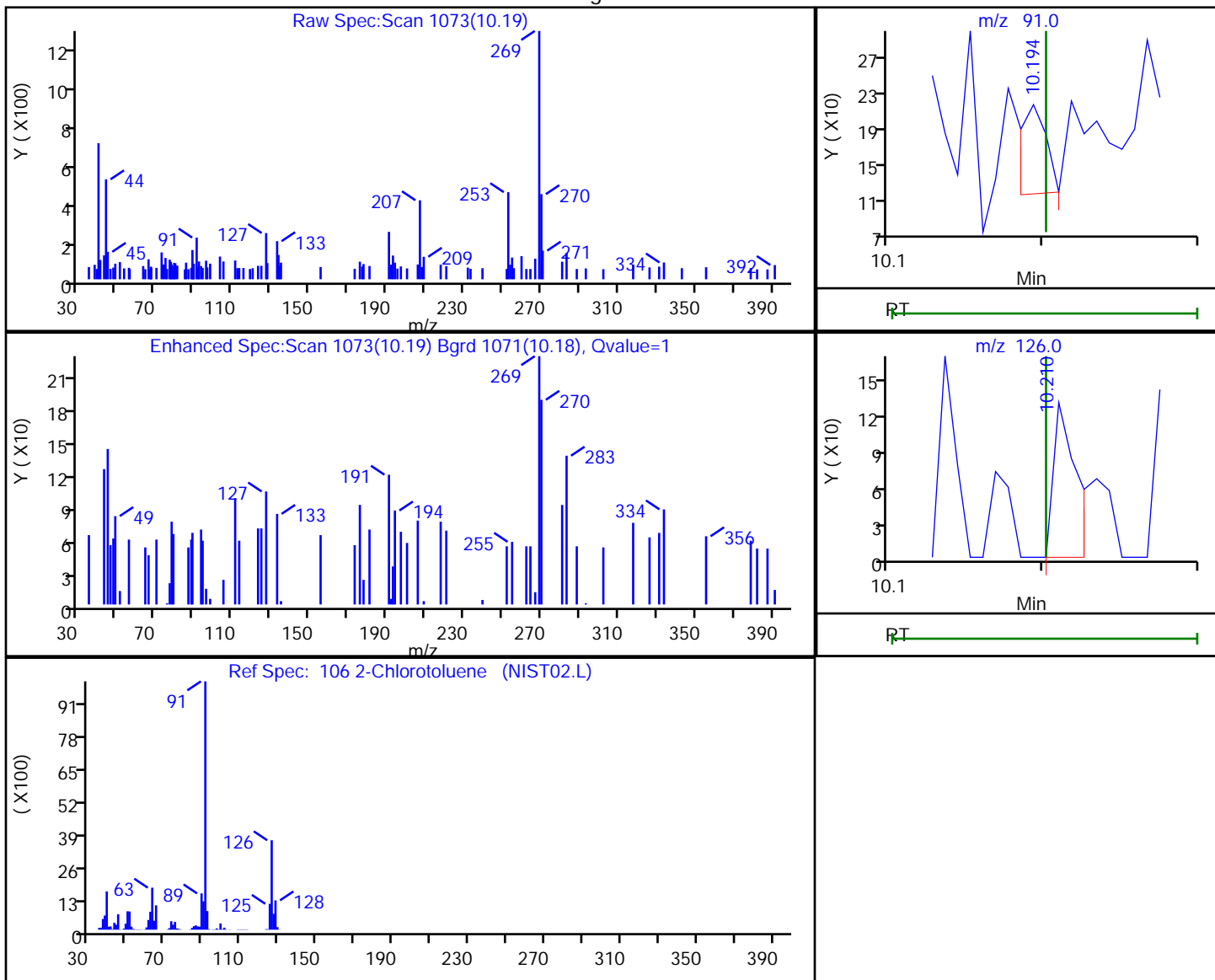
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
10.19	91.00	115	0.009183
10.21	126.00	133	

Reviewer: kluseys, 05-Jan-2021 19:54:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

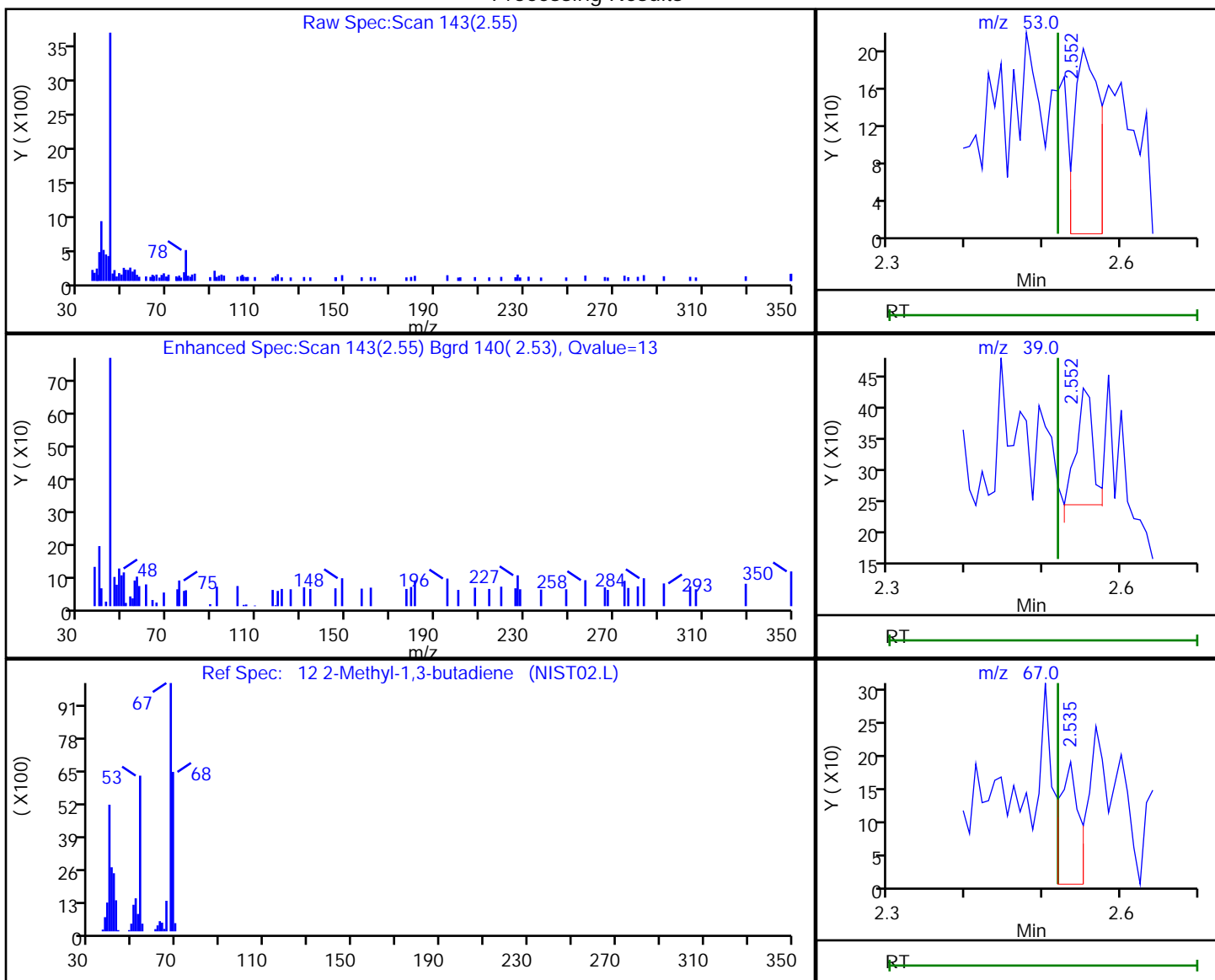
Limit Group: VOA - 8260D Water and Solid

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
2.55	53.00	442	0.141578
2.55	39.00	273	
2.54	67.00	326	

Reviewer: kluseys, 05-Jan-2021 19:50:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

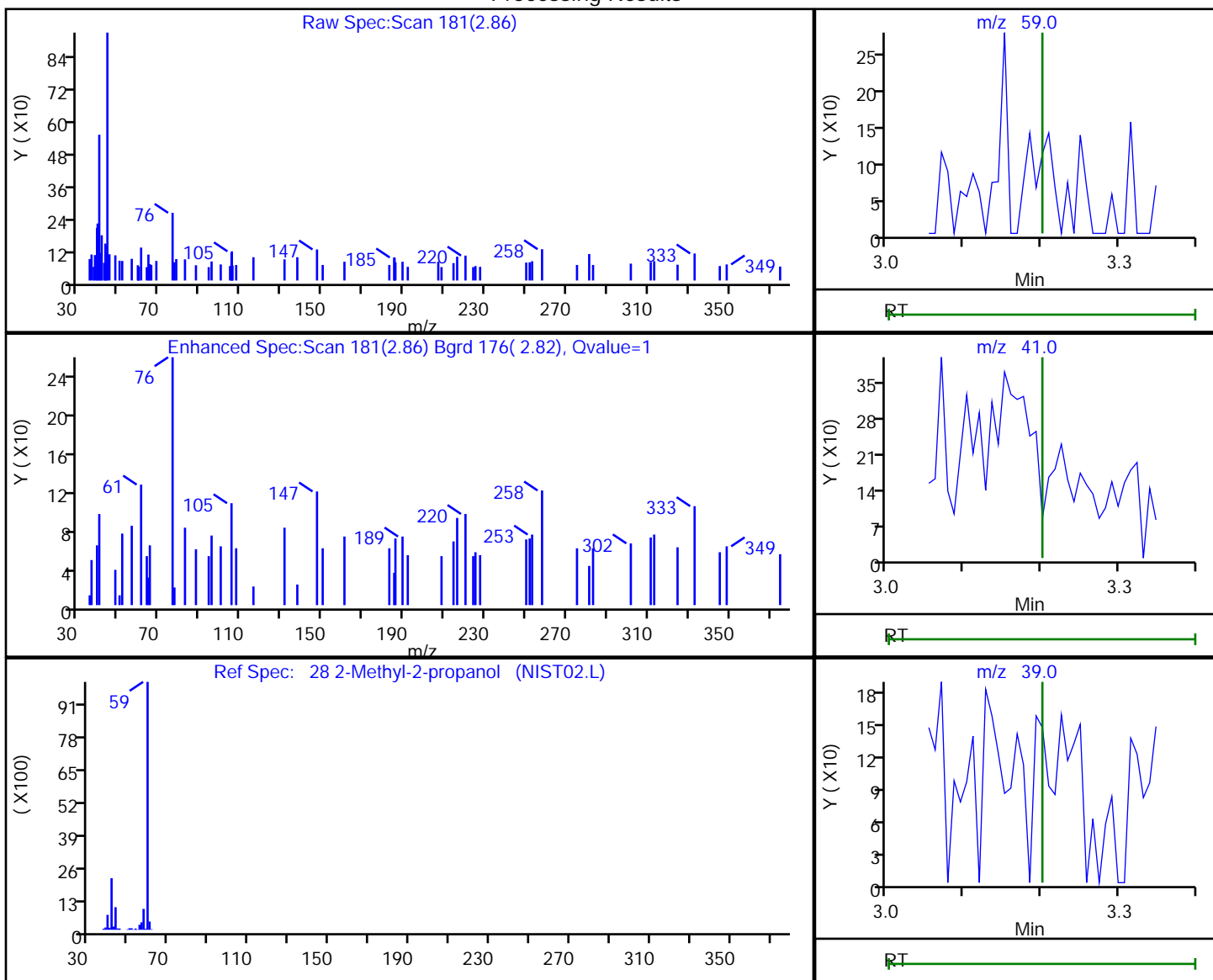
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
2.86	59.00	133	7.023295
2.86	41.00	308	
2.86	39.00	662	

Reviewer: kluseys, 05-Jan-2021 19:51:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

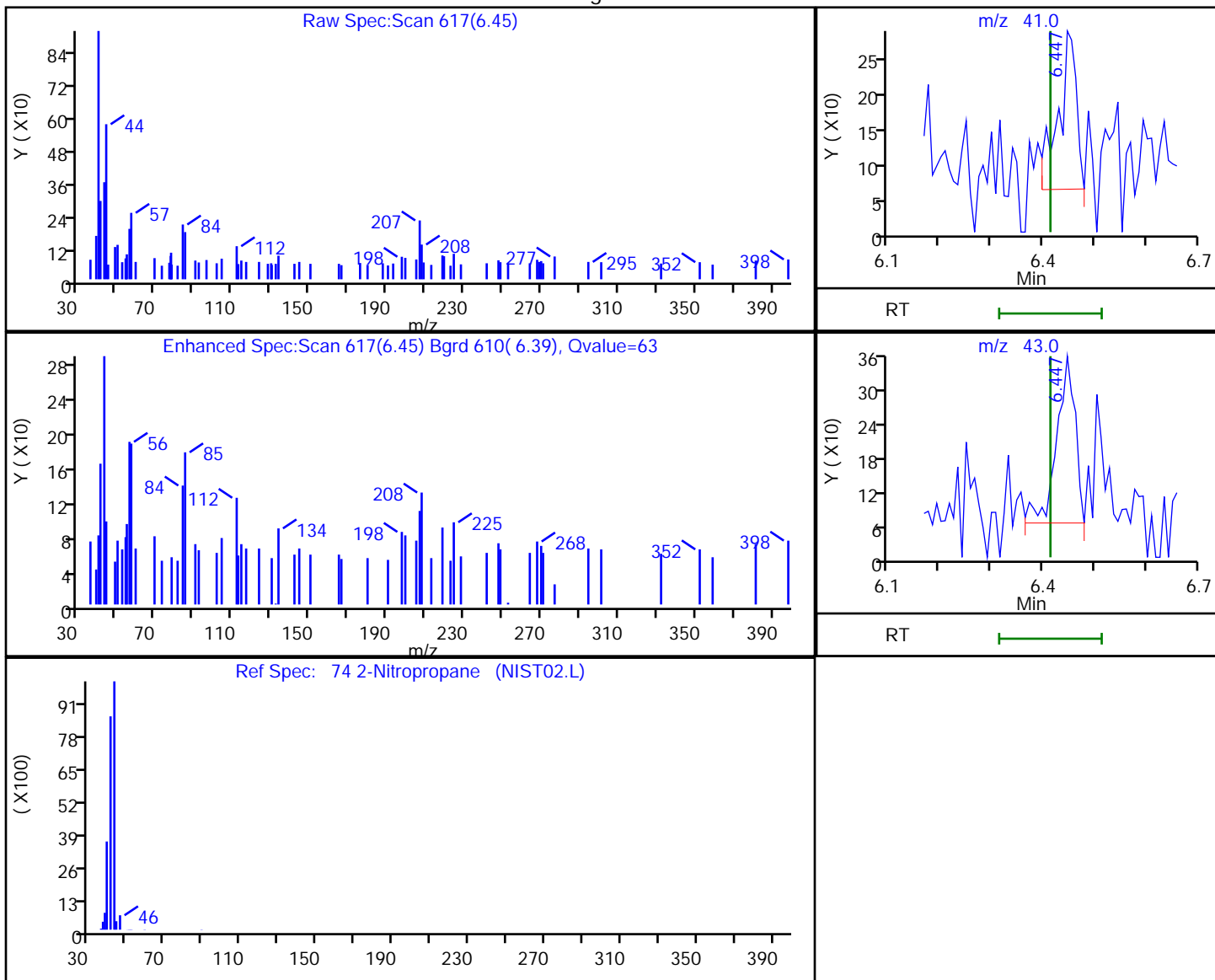
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

74 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
6.45	41.00	552	0.691115
6.45	43.00	746	

Reviewer: kluseys, 05-Jan-2021 19:53:21

Audit Action: Marked Compound Undetected

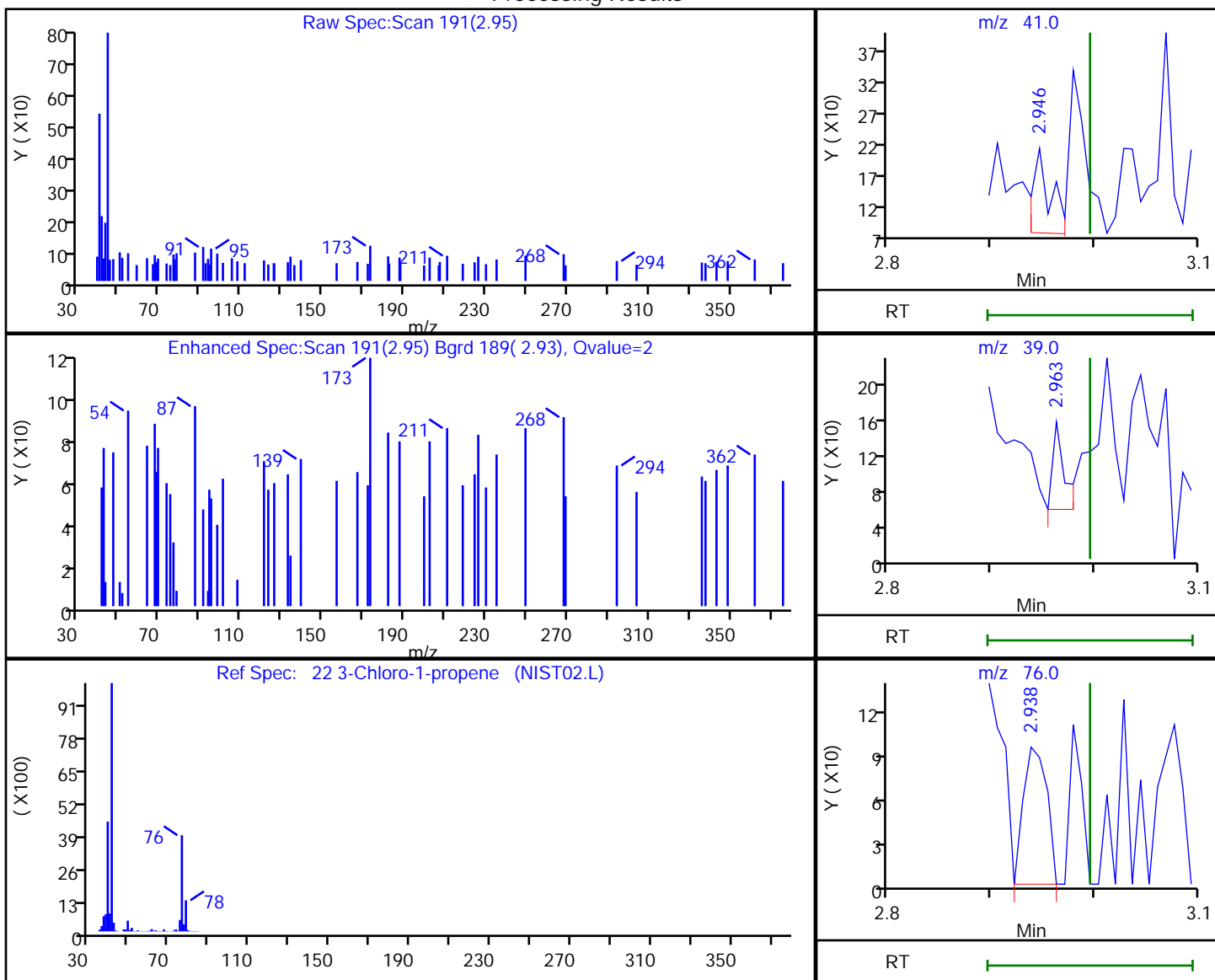
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
2.95	41.00	165	0.014256
2.96	39.00	76	
2.94	76.00	145	

Reviewer: kluseys, 05-Jan-2021 19:52:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

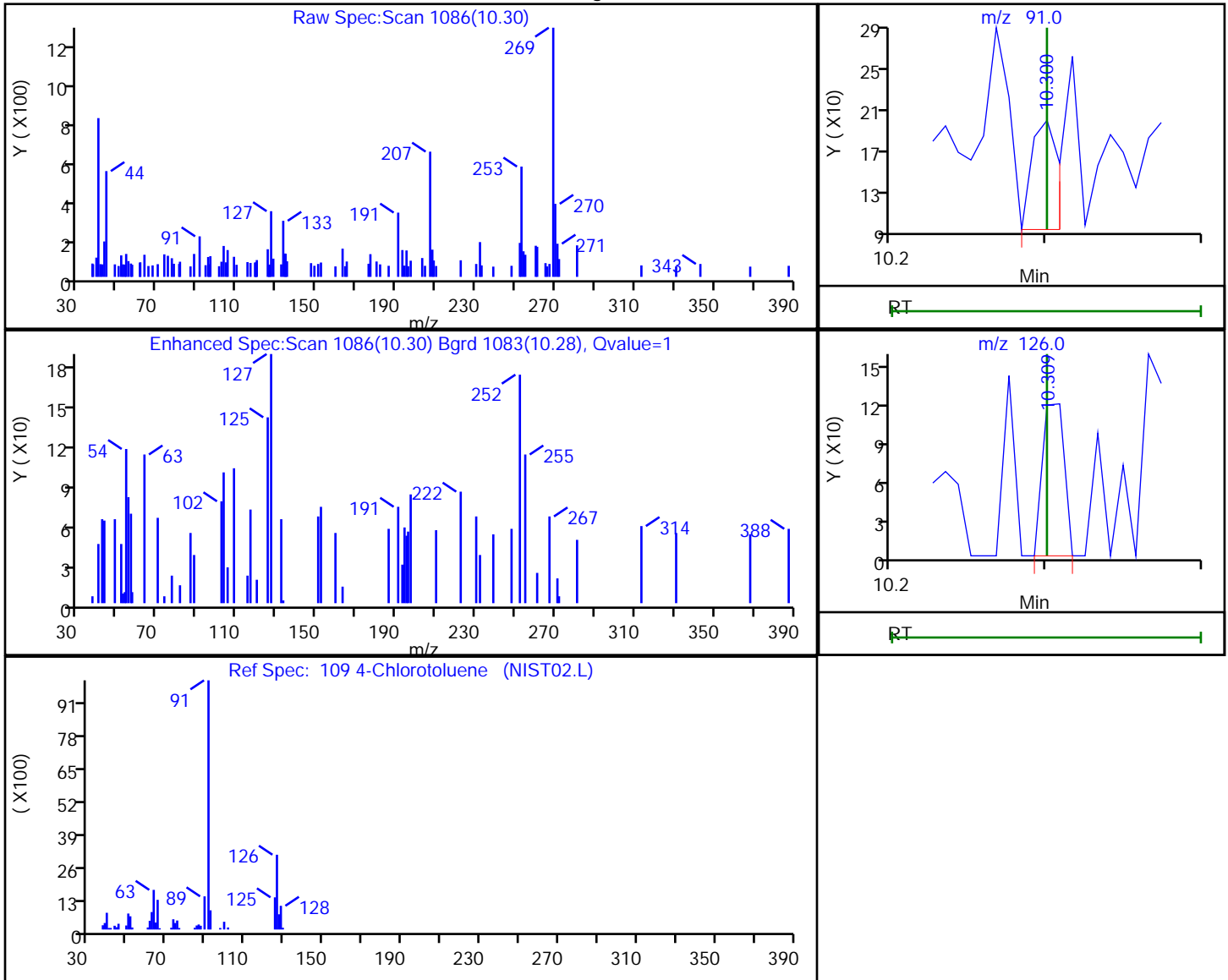
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

109 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
10.30	91.00	120	0.010725
10.31	126.00	117	

Reviewer: kluseys, 05-Jan-2021 19:54:14

Audit Action: Marked Compound Undetected

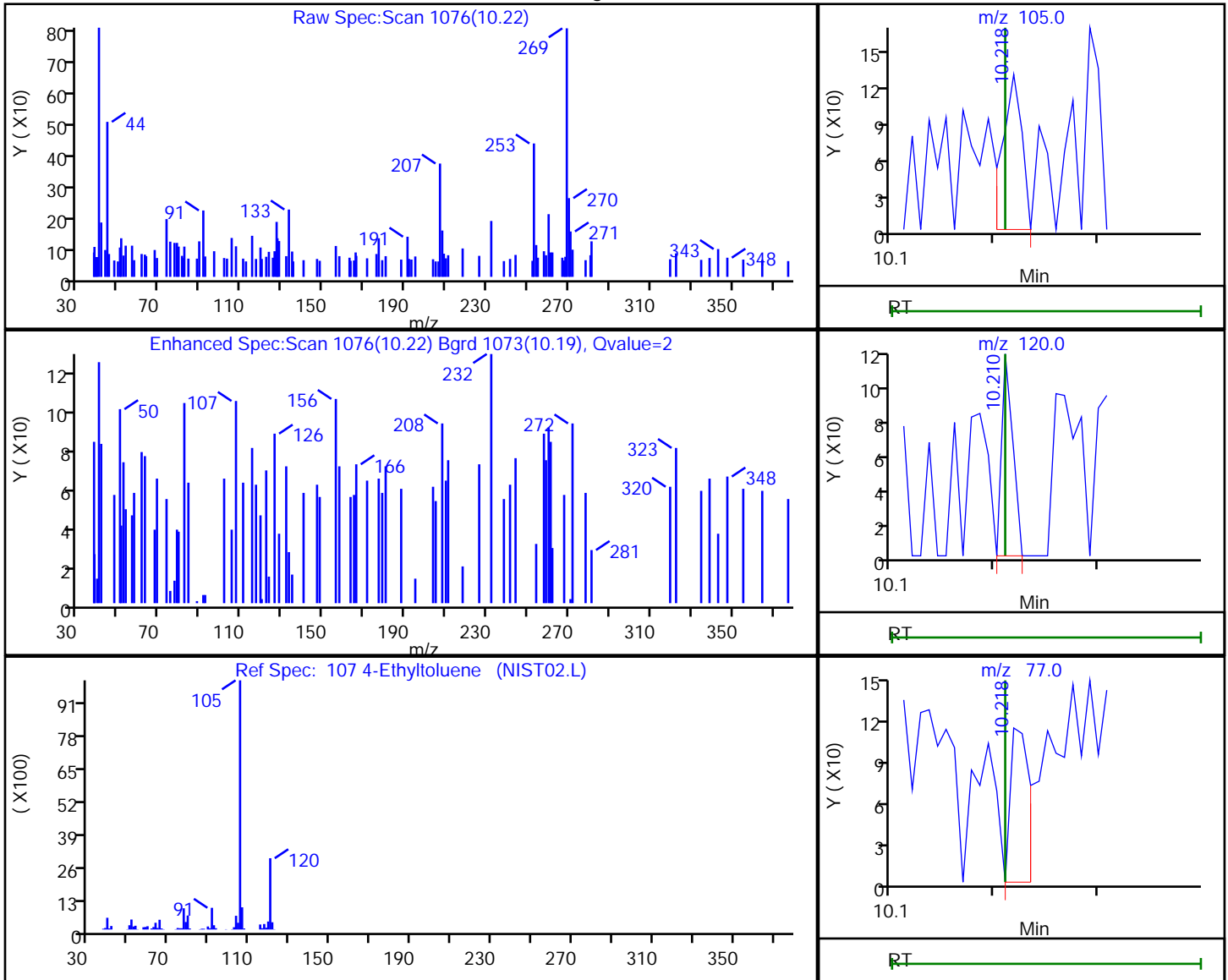
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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

107 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
10.22	105.00	165	0.011064
10.21	120.00	84	
10.22	77.00	141	

Reviewer: kluseys, 05-Jan-2021 19:54:12  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

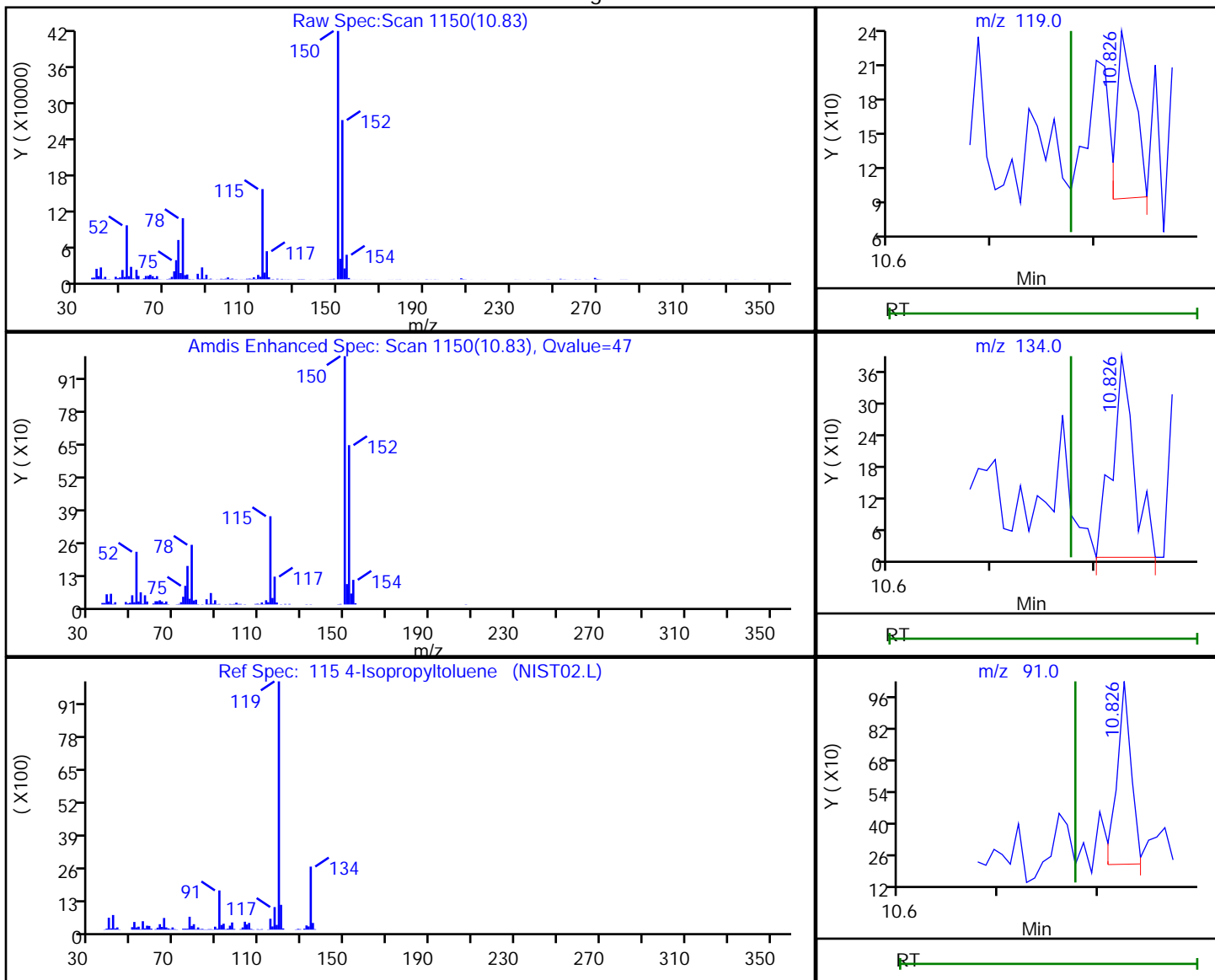


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.83	119.00	171	0.010575
10.83	134.00	561	
10.83	91.00	810	

Reviewer: kluseys, 05-Jan-2021 19:54:21  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

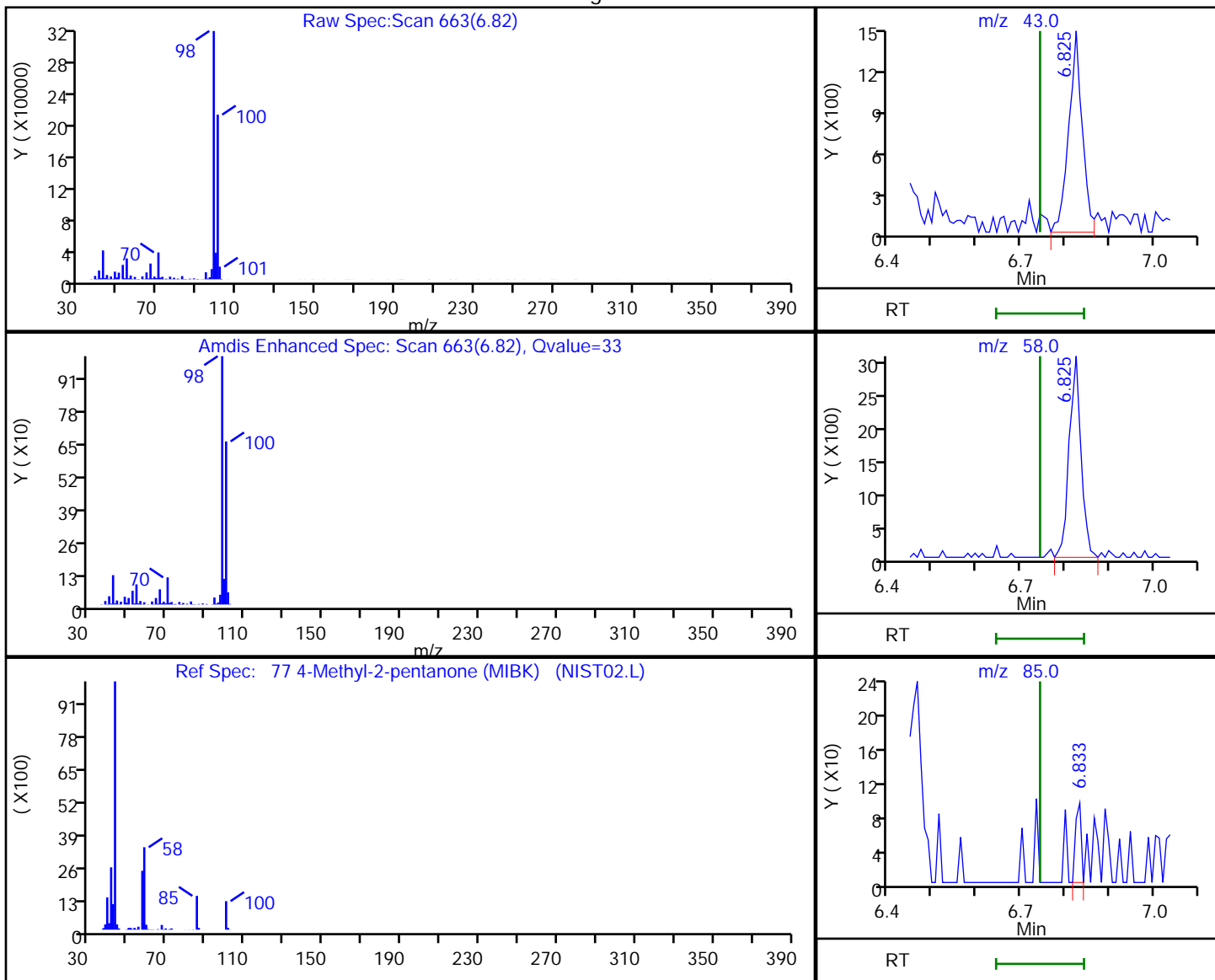
Limit Group: VOA - 8260D Water and Solid

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
6.82	43.00	3131	0.967873
6.82	58.00	5644	
6.83	85.00	84	
6.82	100.00	420545	

Reviewer: kluseys, 05-Jan-2021 19:53:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

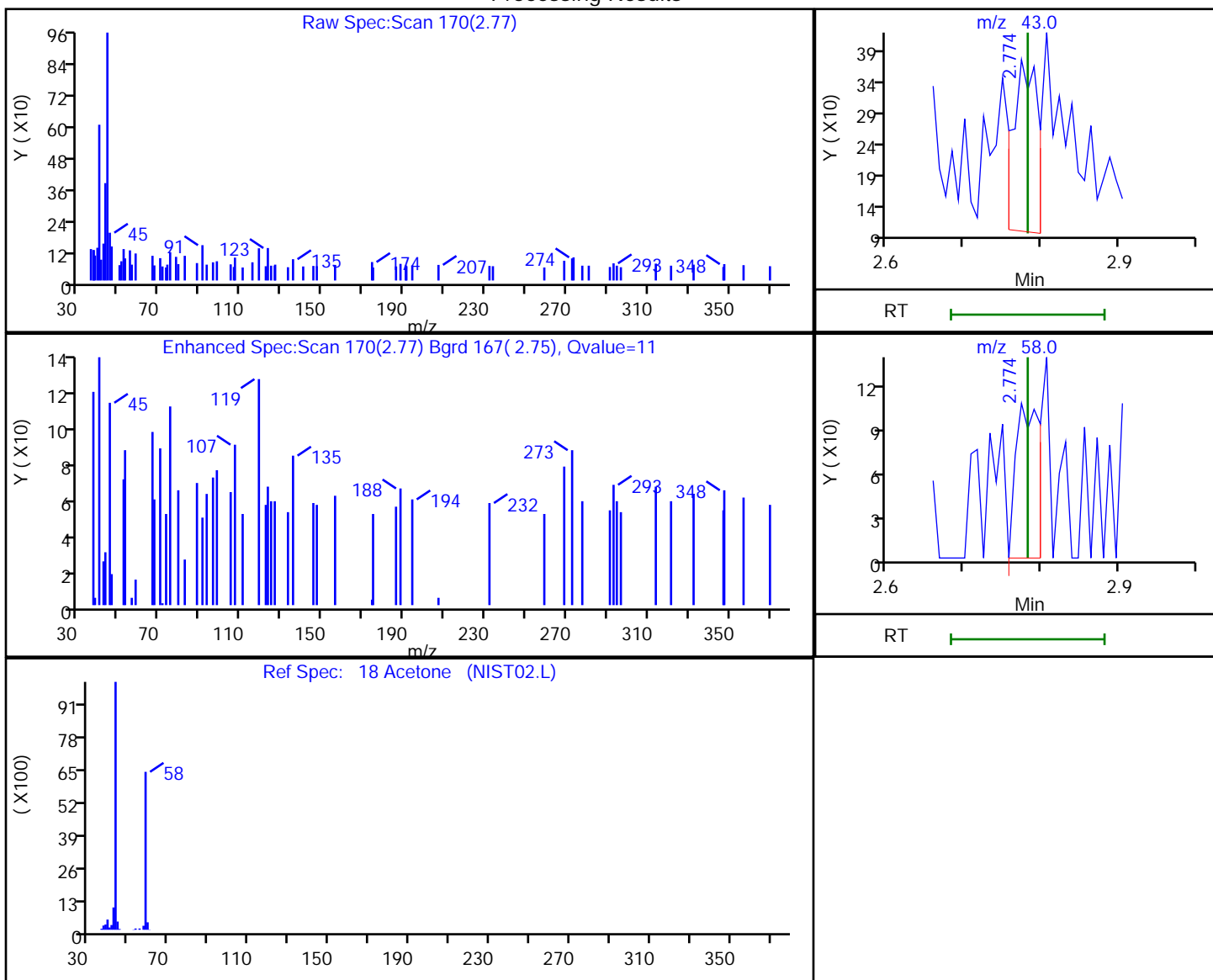
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

18 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.77	43.00	613	0.644021
2.77	58.00	222	

Reviewer: kluseys, 05-Jan-2021 19:51:32

Audit Action: Marked Compound Undetected

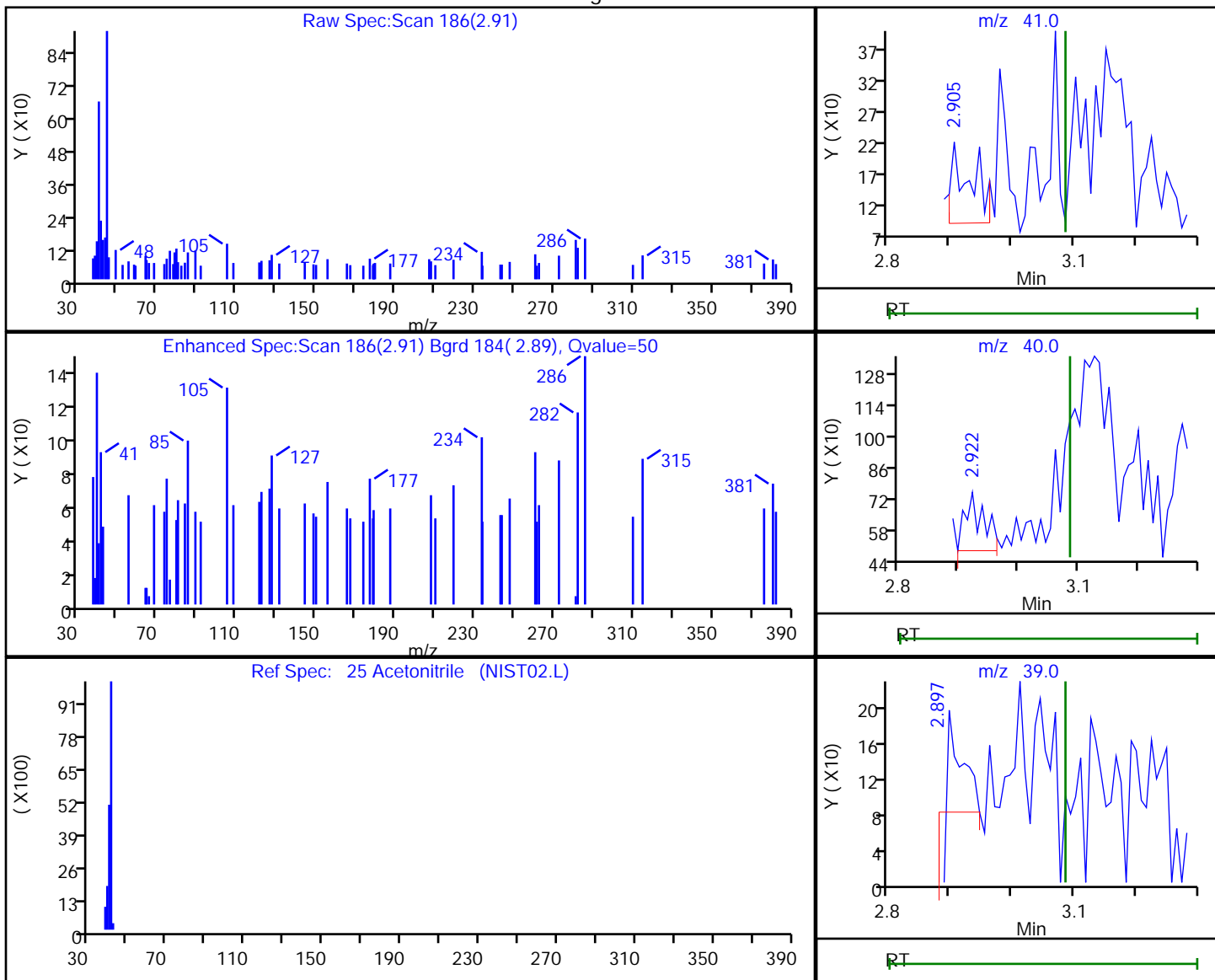
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
2.91	41.00	302	0.461596
2.92	40.00	576	
2.90	39.00	174	
2.91	38.00	162	

Reviewer: kluseys, 05-Jan-2021 19:51:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

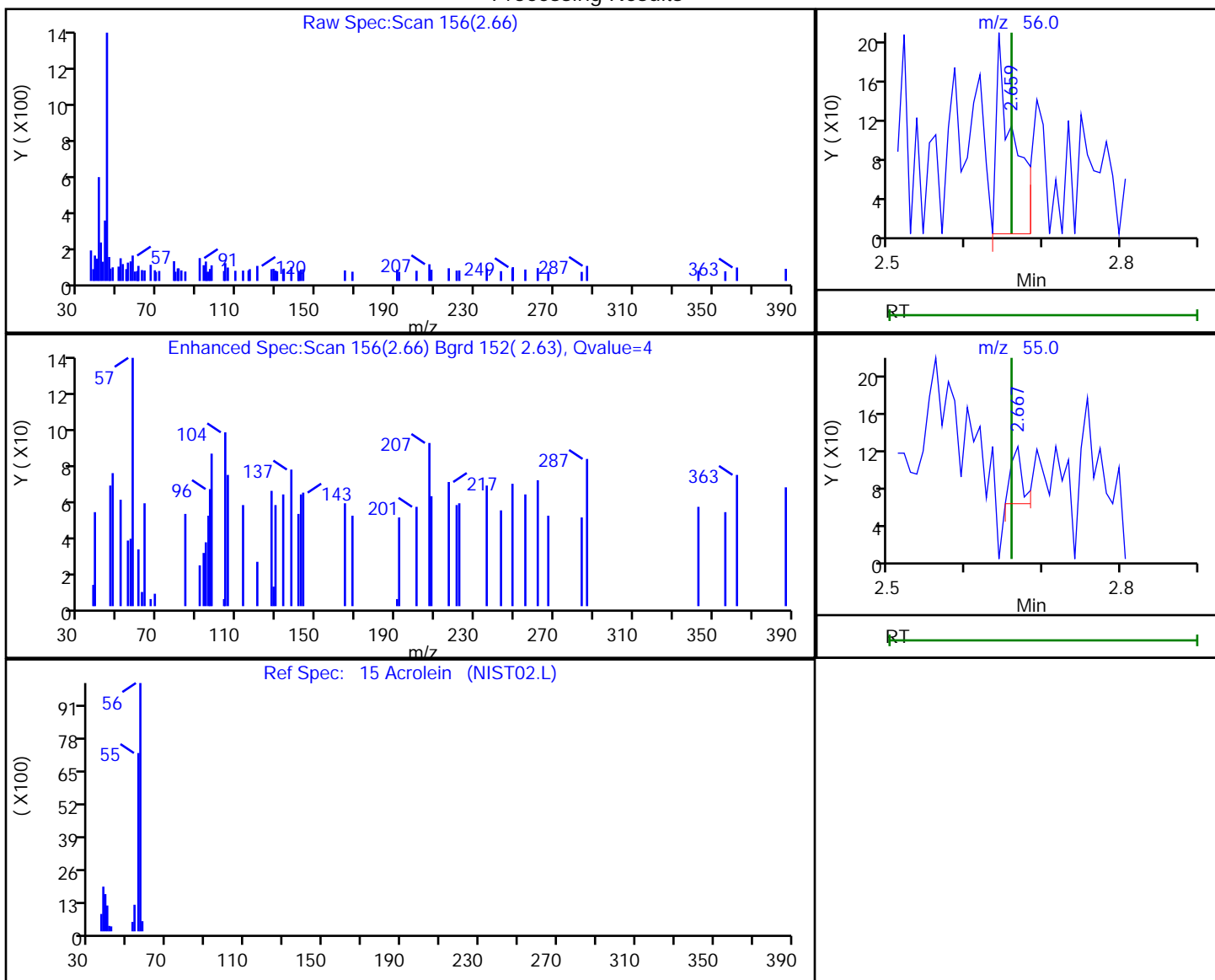
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

15 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
2.66	56.00	308	0.855394
2.67	55.00	61	

Reviewer: kluseys, 05-Jan-2021 19:50:47

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

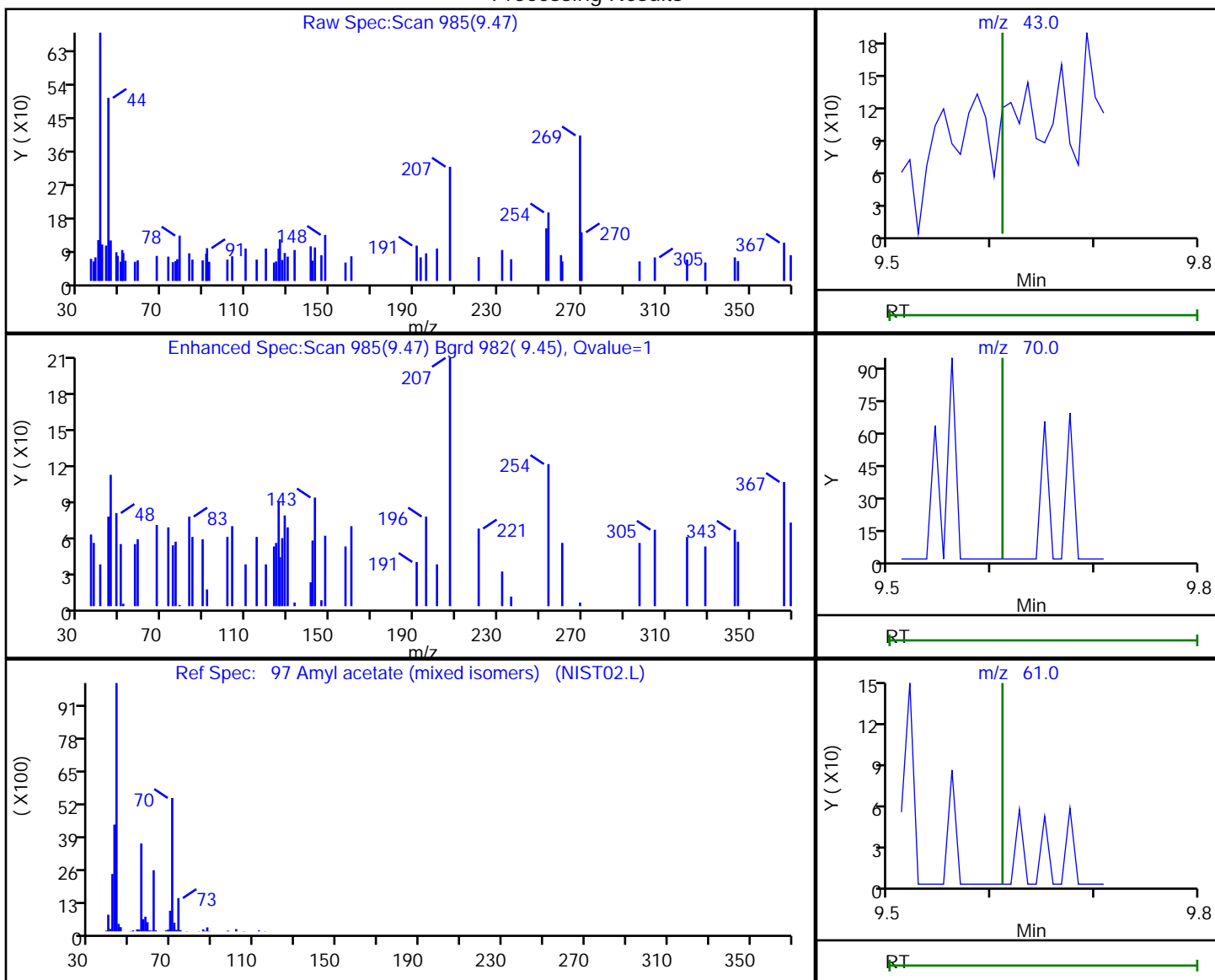
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

97 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
9.47	43.00	110	0.016492
9.49	70.00	73	
9.45	61.00	29	

Reviewer: kluseys, 05-Jan-2021 19:54:01

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

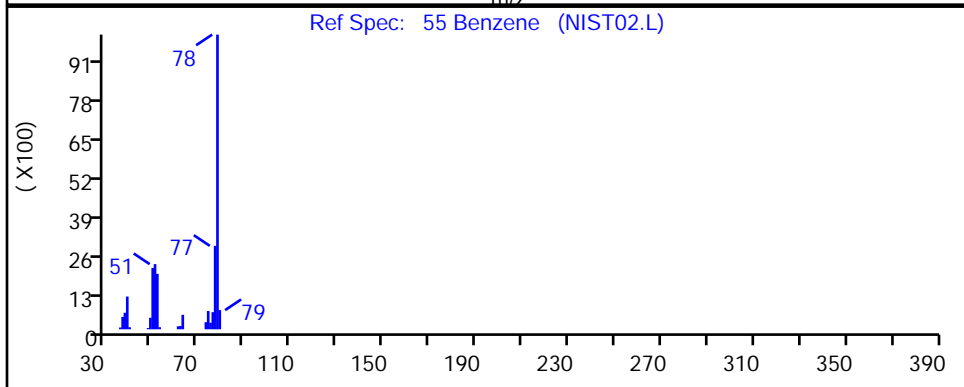
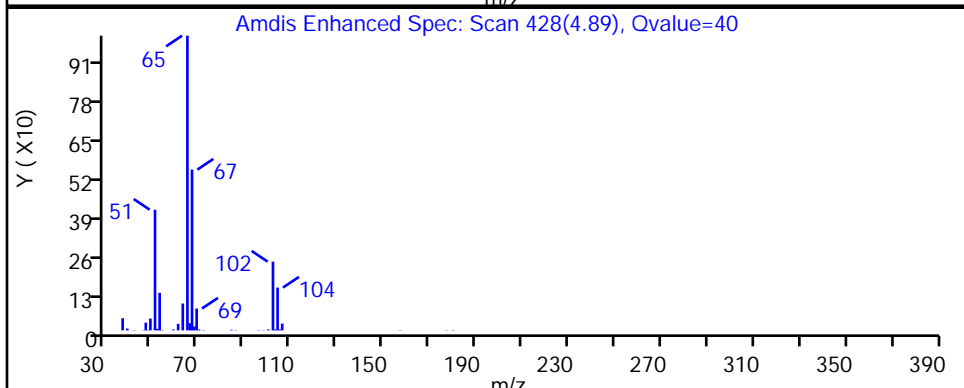
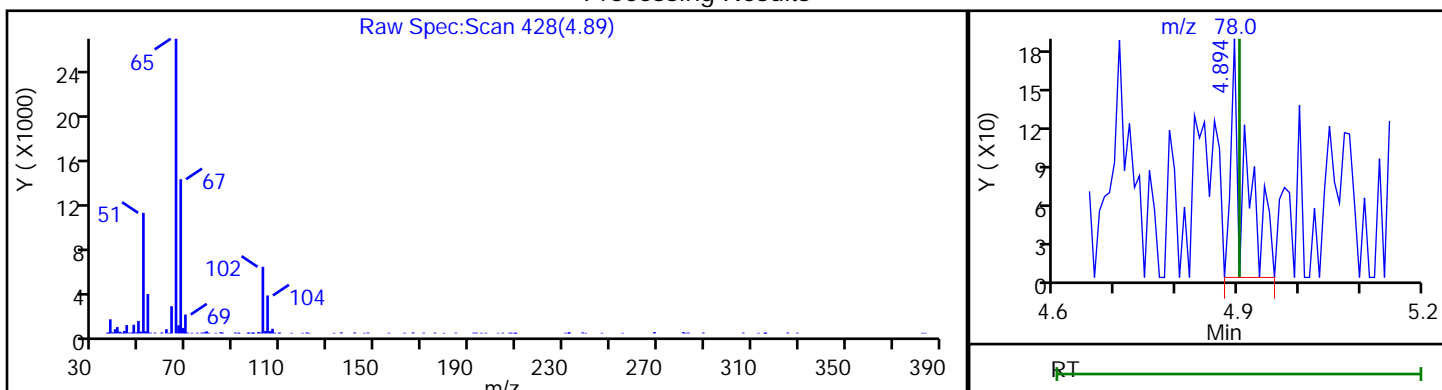
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

55 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
4.89	78.00	305	0.025931

Reviewer: kluseys, 05-Jan-2021 19:52:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

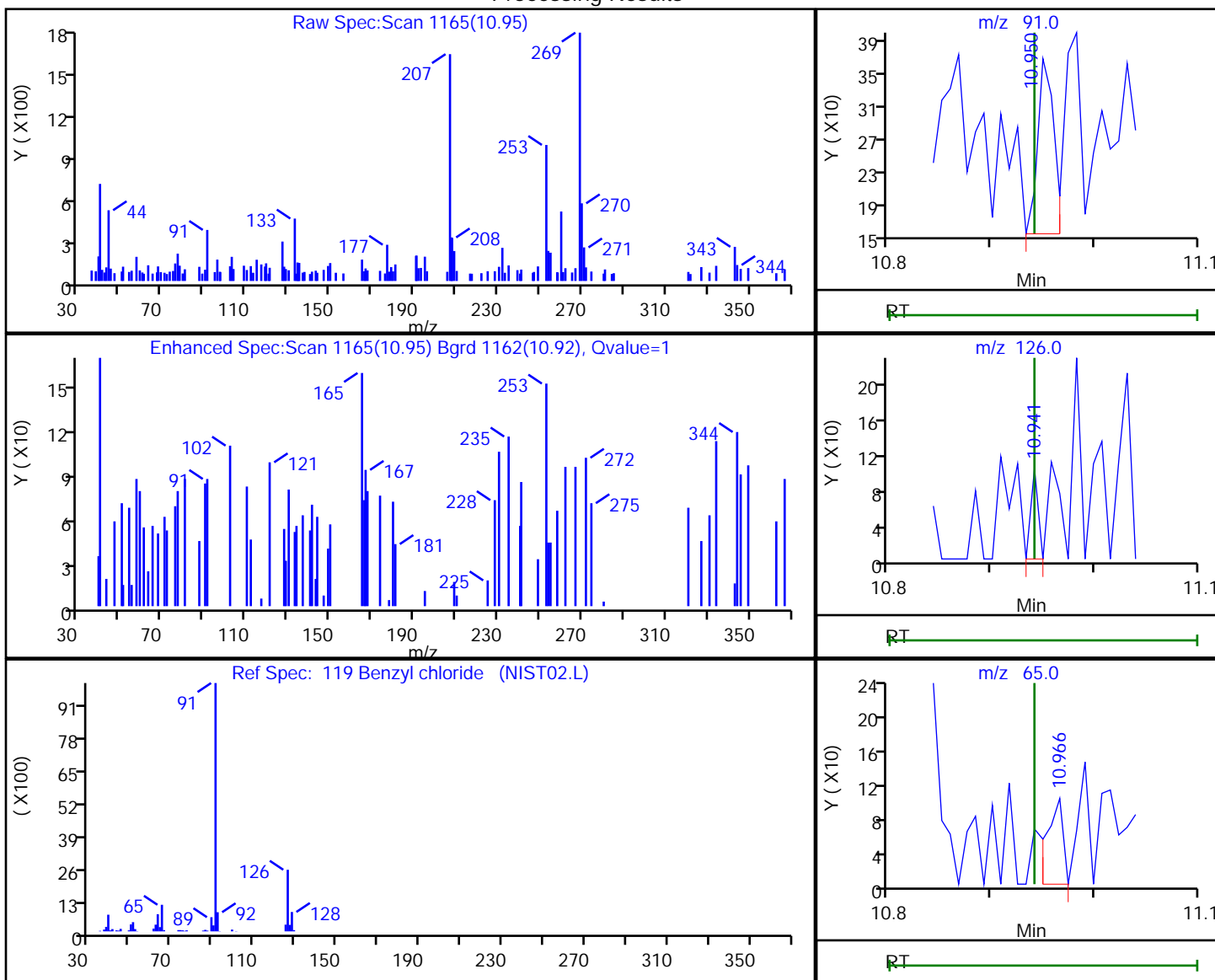
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

119 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
10.95	91.00	239	0.029498
10.94	126.00	50	
10.97	65.00	110	

Reviewer: kluseys, 05-Jan-2021 19:54:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

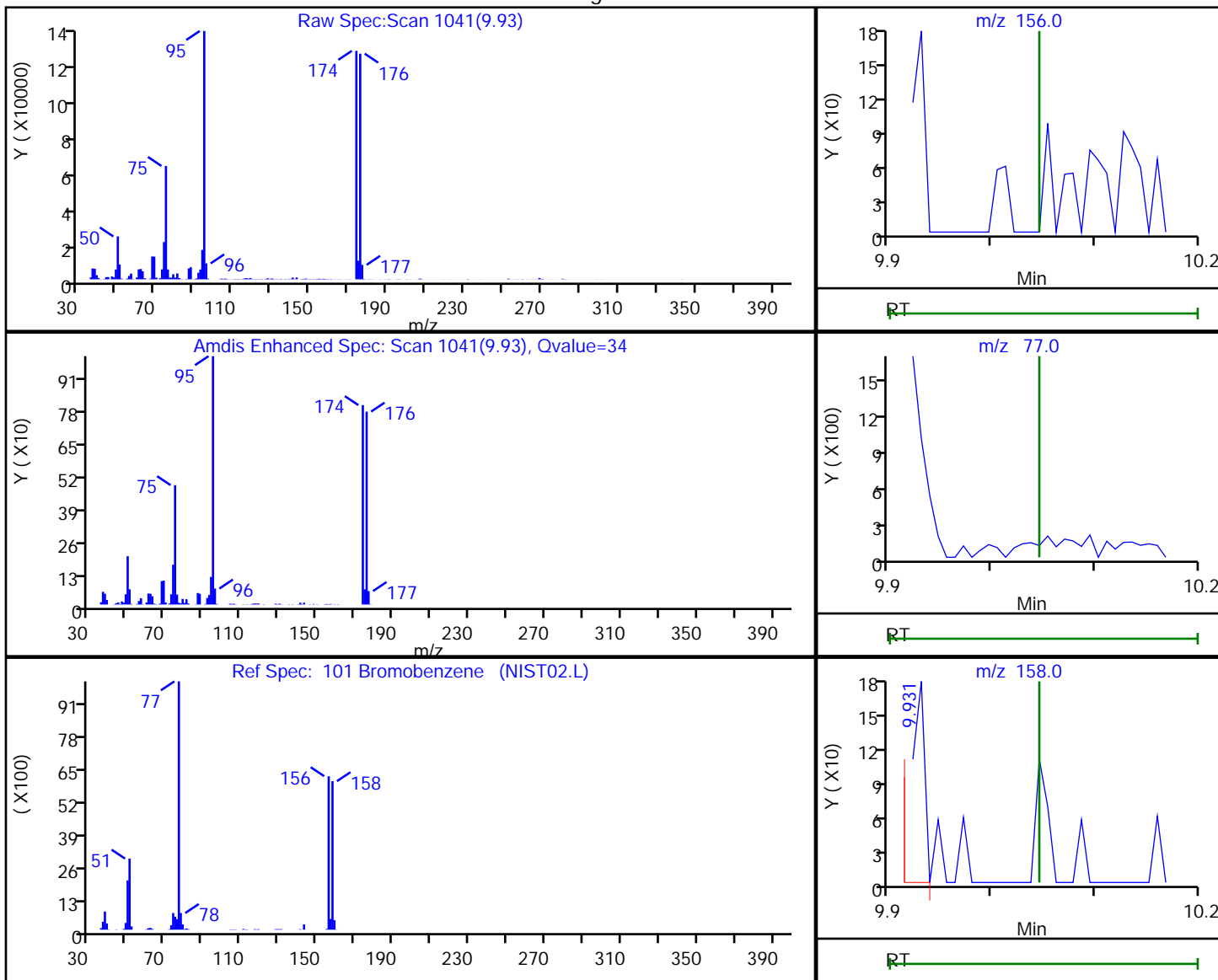
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

101 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
9.93	156.00	201	0.057136
9.92	77.00	2113	
9.93	158.00	138	

Reviewer: kluseys, 05-Jan-2021 19:54:06

Audit Action: Marked Compound Undetected

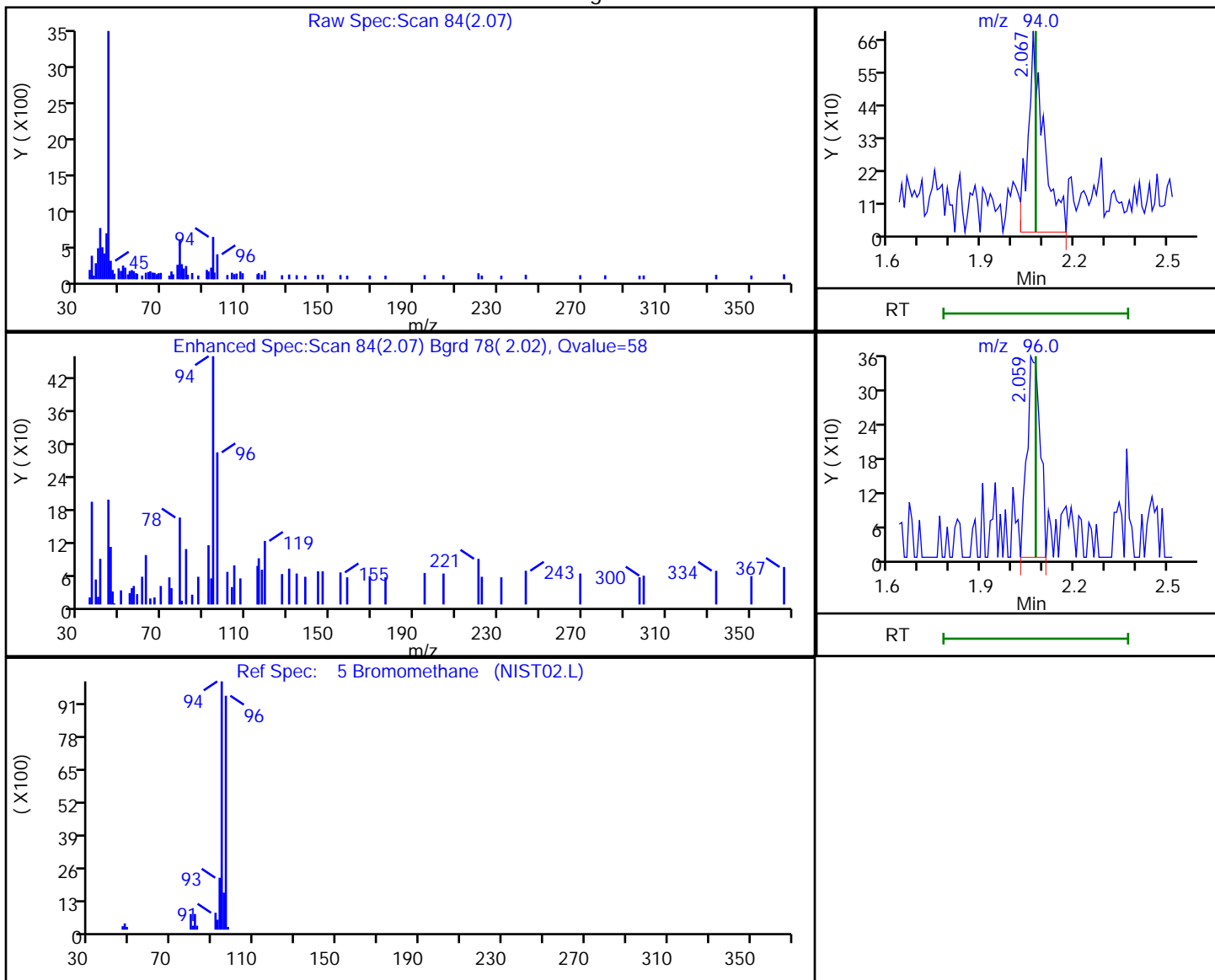
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
2.07	94.00	2361	0.537828
2.06	96.00	1048	

Reviewer: kluseys, 05-Jan-2021 19:50:11

Audit Action: Marked Compound Undetected

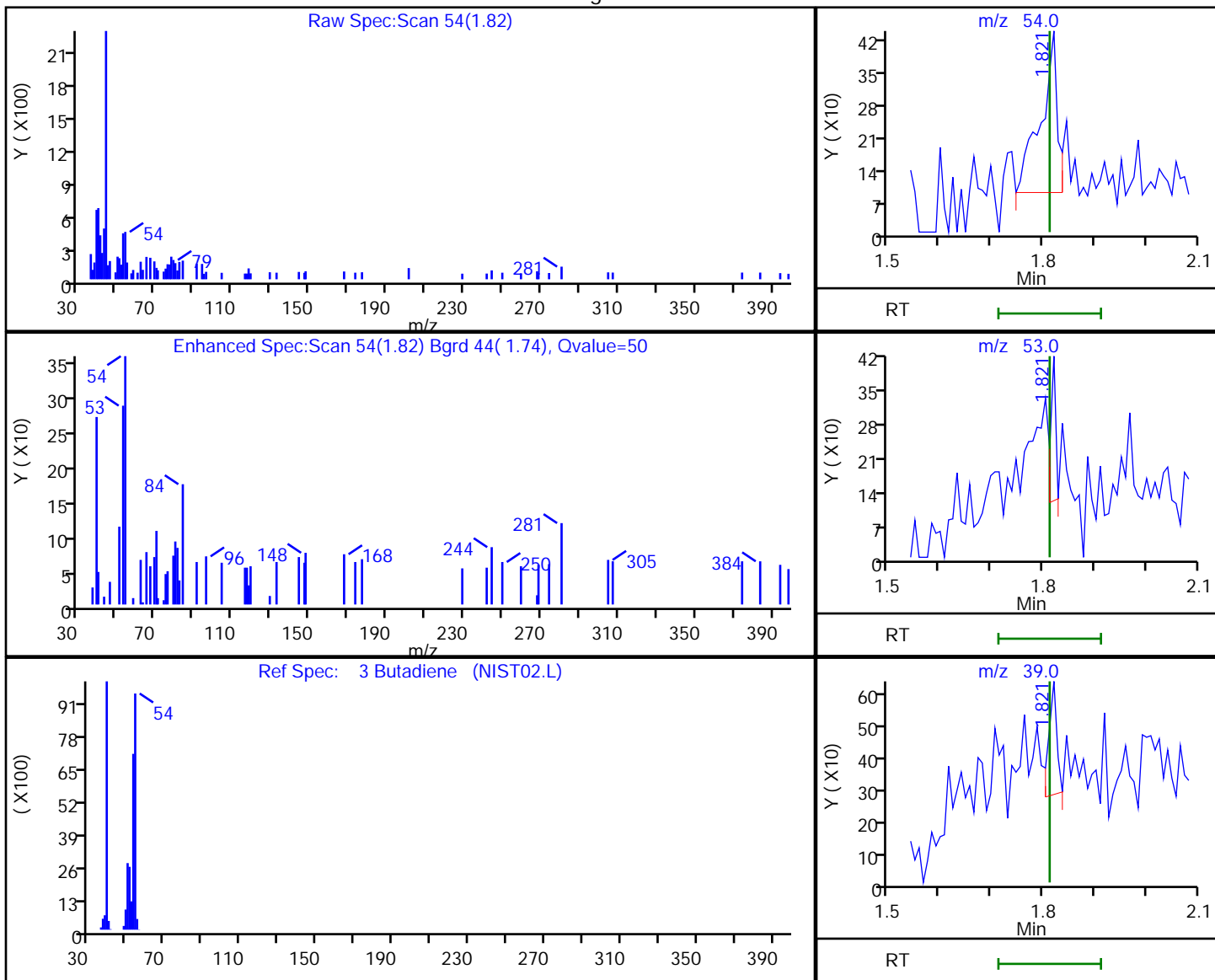
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
1.82	54.00	781	0.179547
1.82	53.00	204	
1.82	39.00	383	

Reviewer: kluseys, 05-Jan-2021 19:50:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

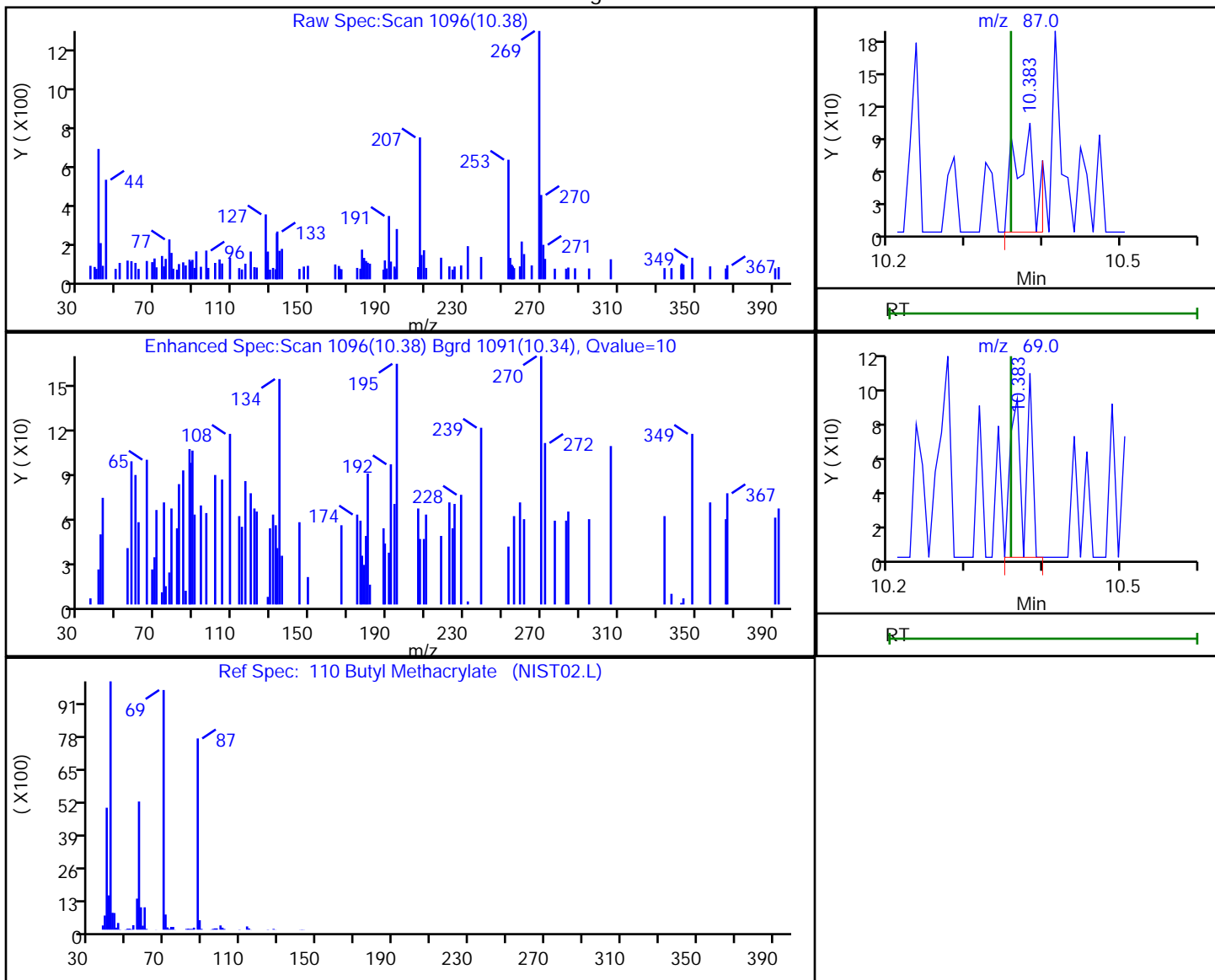
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

110 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
10.38	87.00	179	0.039138
10.38	69.00	135	

Reviewer: kluseys, 05-Jan-2021 19:54:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

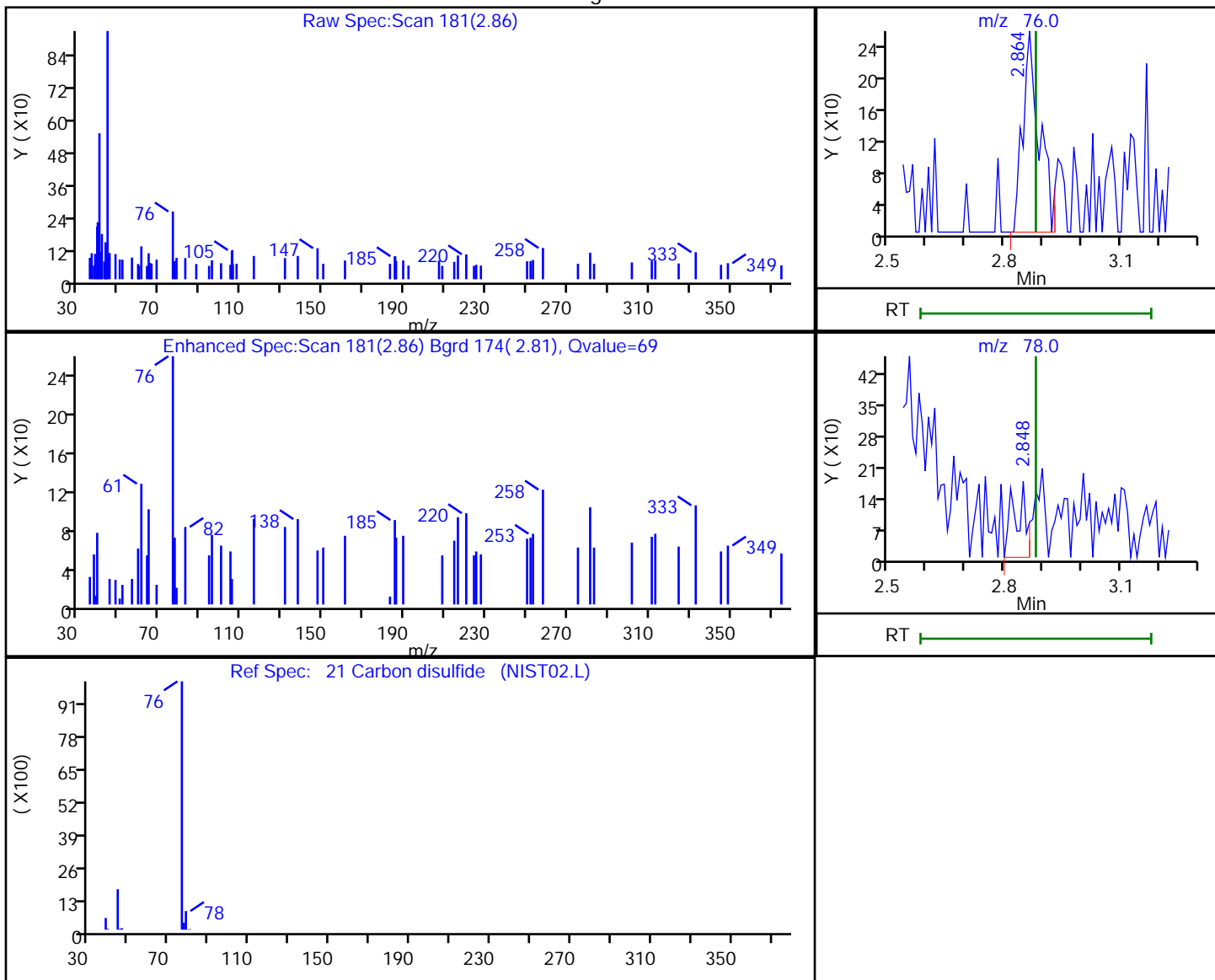
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

21 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.86	76.00	762	0.067540
2.85	78.00	371	

Reviewer: kluseys, 05-Jan-2021 19:51:53

Audit Action: Marked Compound Undetected

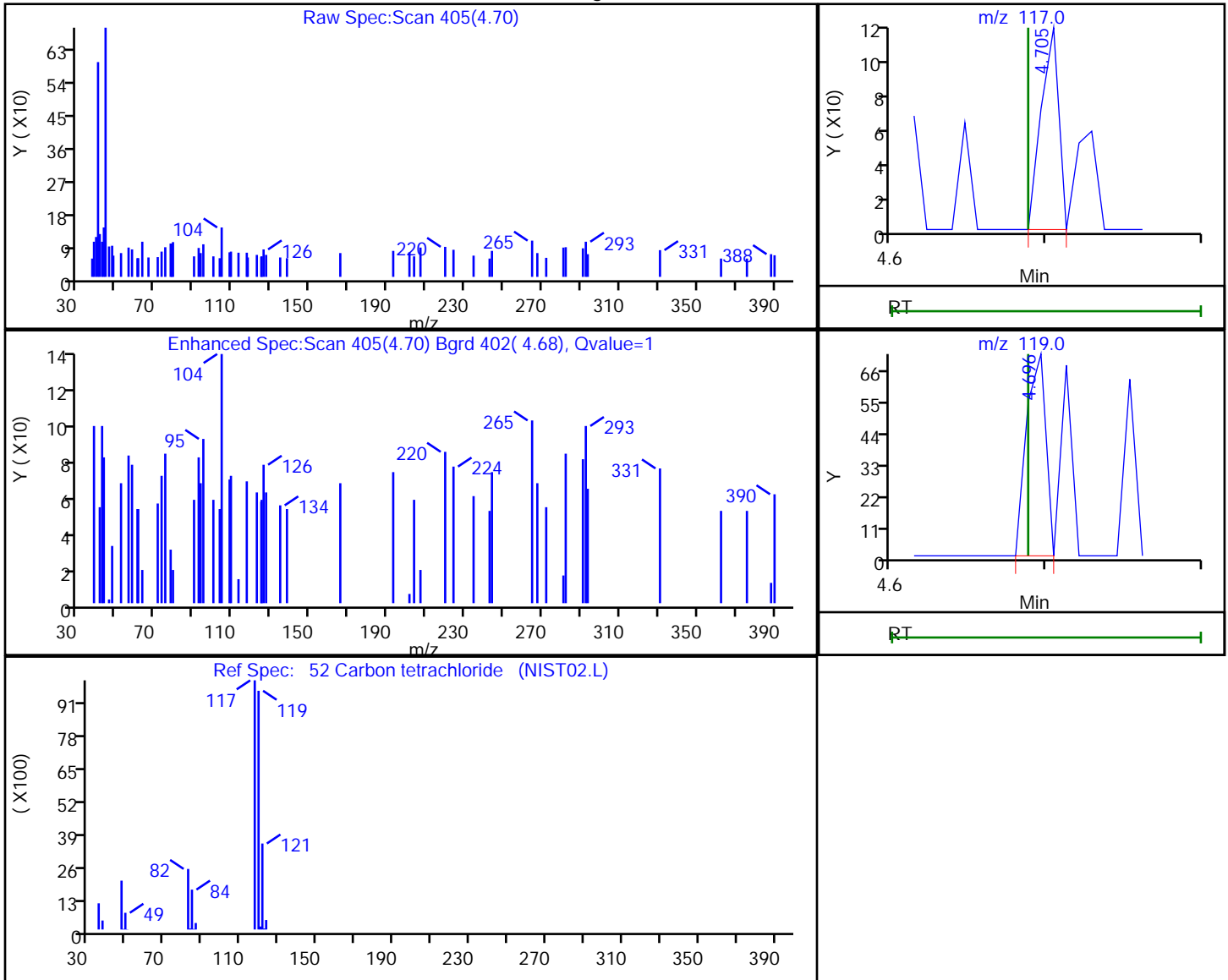
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
4.70	117.00	94	0.026777
4.70	119.00	63	

Reviewer: kluseys, 05-Jan-2021 19:52:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

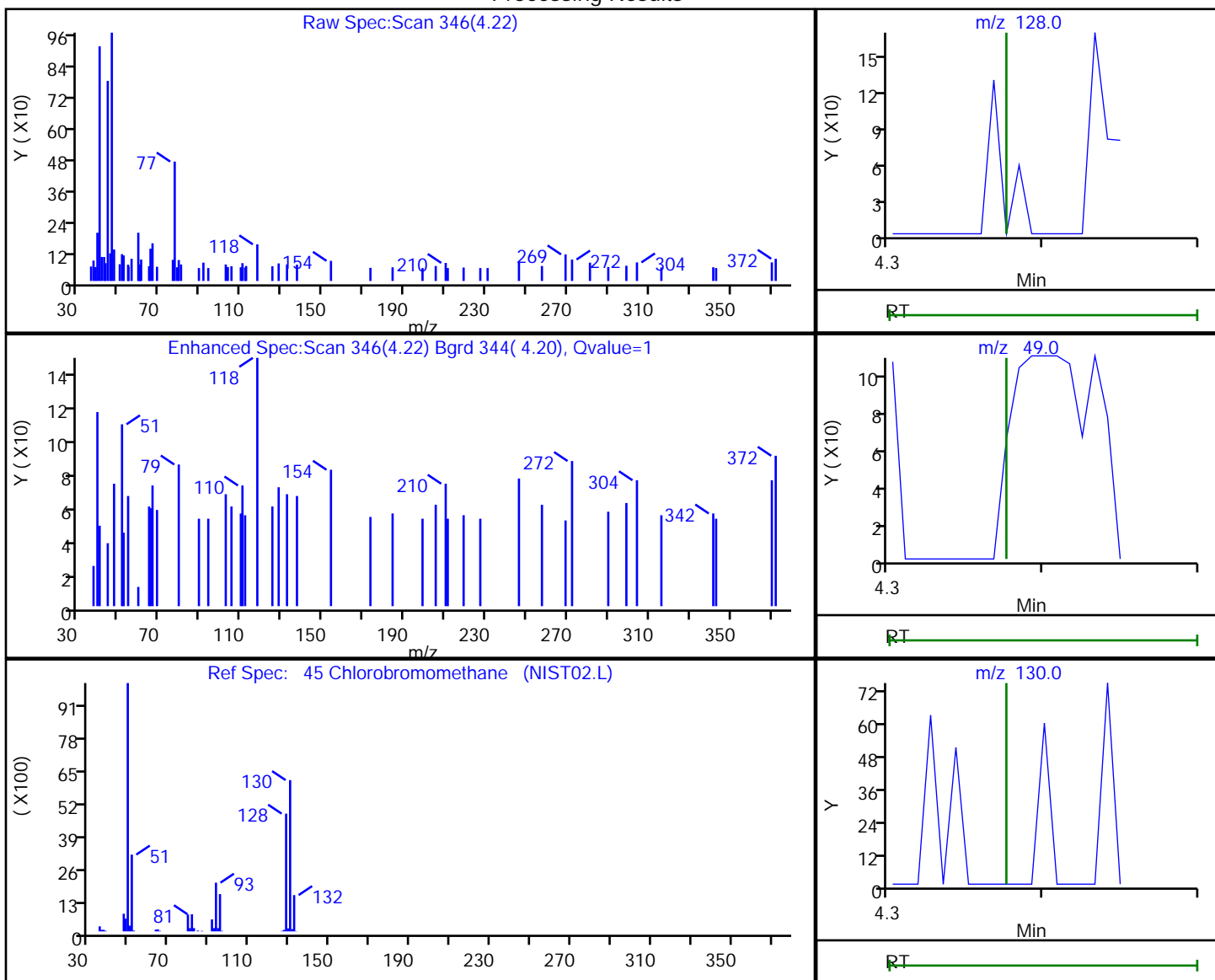
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

45 Chlorobromomethane, CAS: 74-97-5

Processing Results



RT	Mass	Response	Amount
4.22	128.00	65	0.038019
4.24	49.00	25	
4.24	130.00	27	

Reviewer: kluseys, 05-Jan-2021 19:52:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

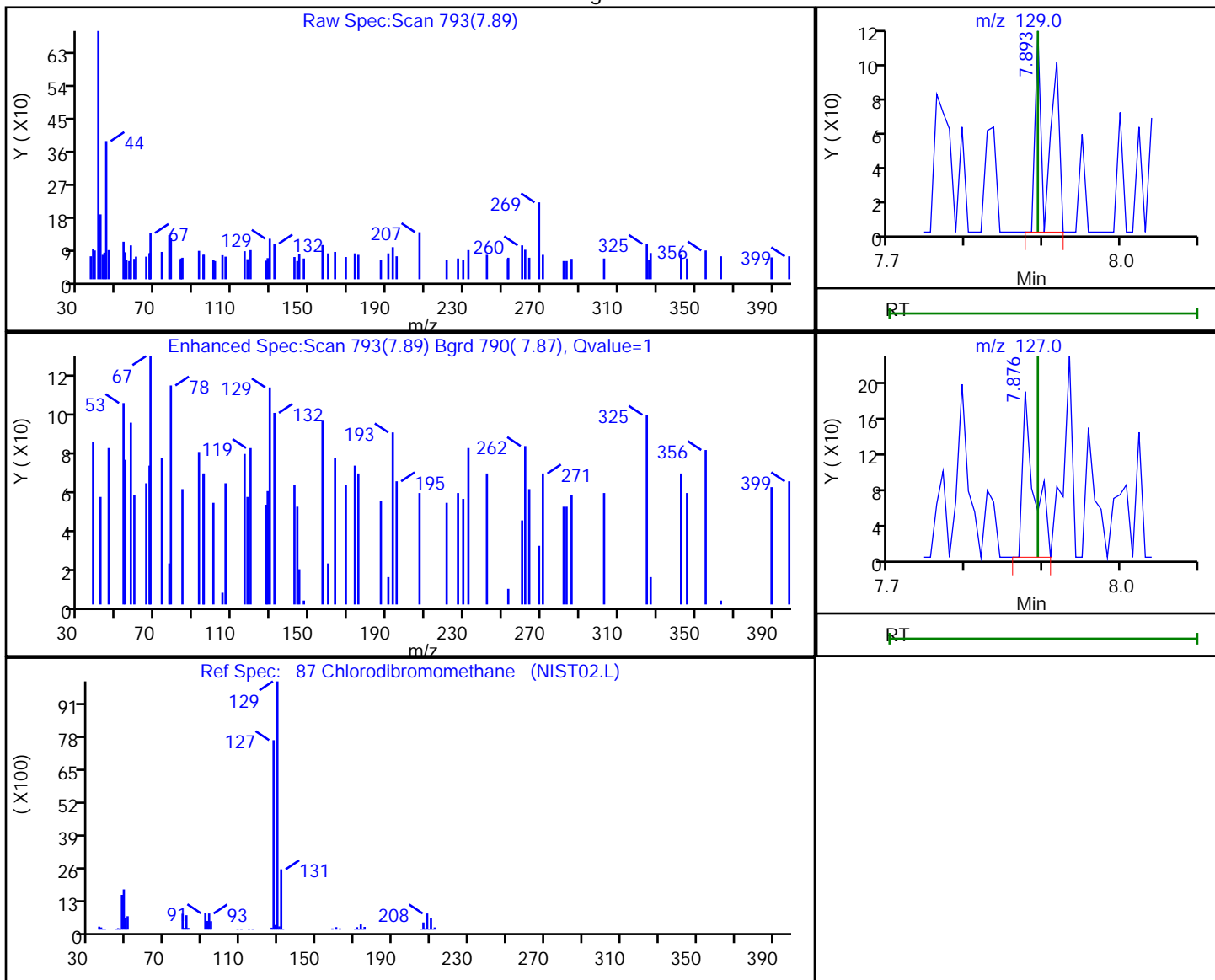
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

87 Chlorodibromomethane, CAS: 124-48-1

Processing Results



RT	Mass	Response	Amount
7.89	129.00	128	0.052157
7.88	127.00	194	

Reviewer: kluseys, 05-Jan-2021 19:53:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

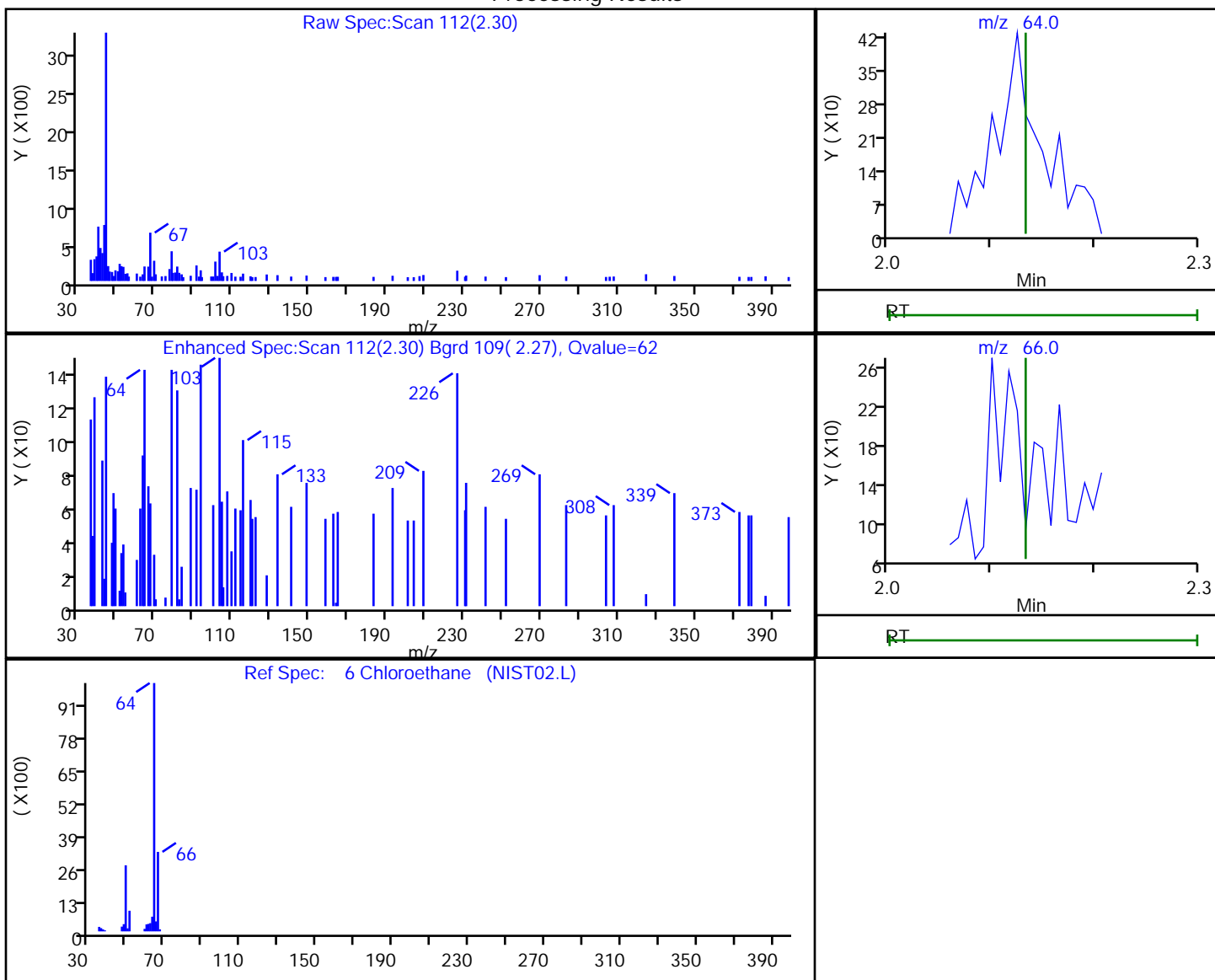


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
2.30	64.00	102	0.029587
2.29	66.00	177	

Reviewer: kluseys, 05-Jan-2021 19:50:14

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

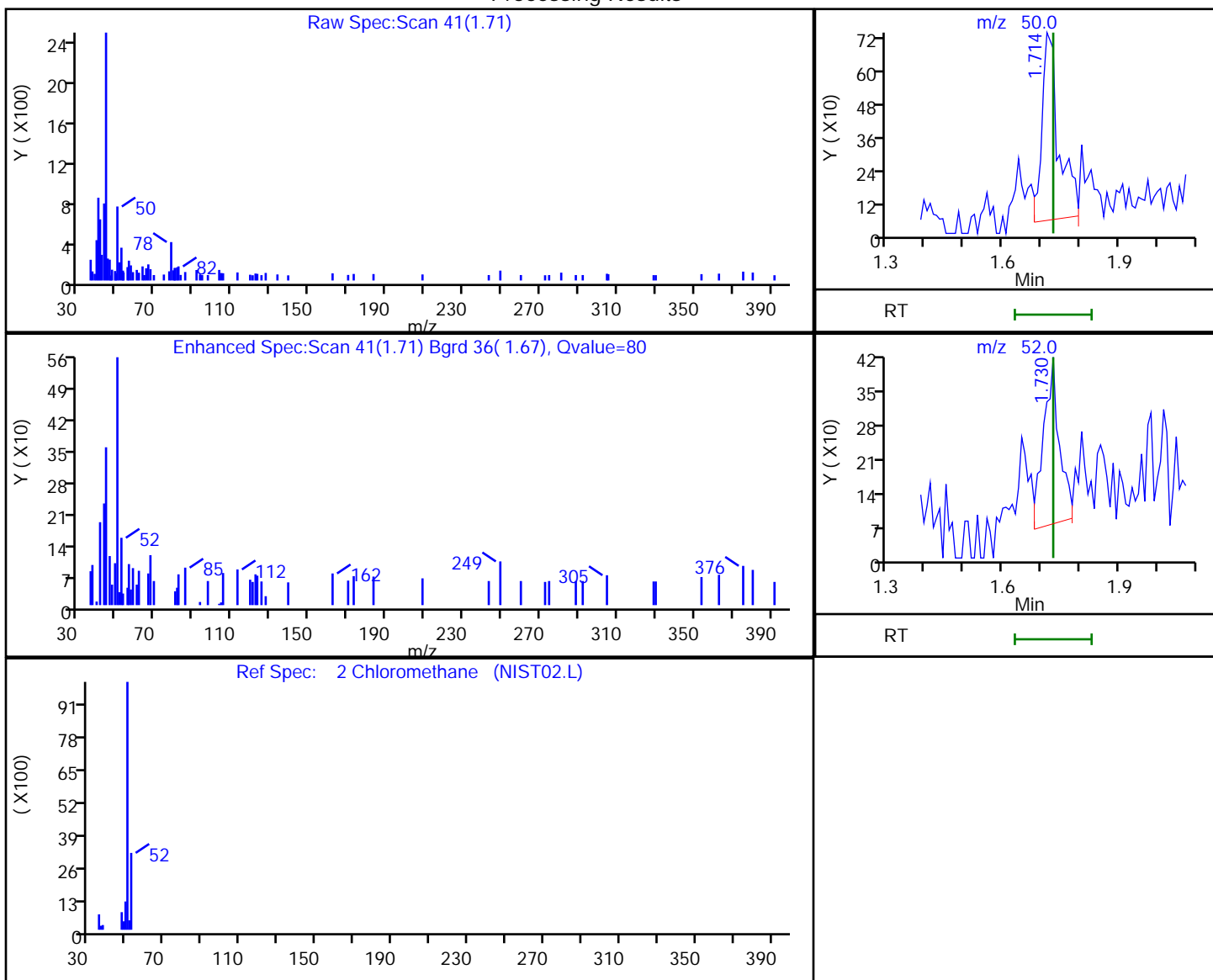
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

2 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.71	50.00	2092	0.338691
1.73	52.00	999	

Reviewer: kluseys, 05-Jan-2021 19:50:02

Audit Action: Marked Compound Undetected

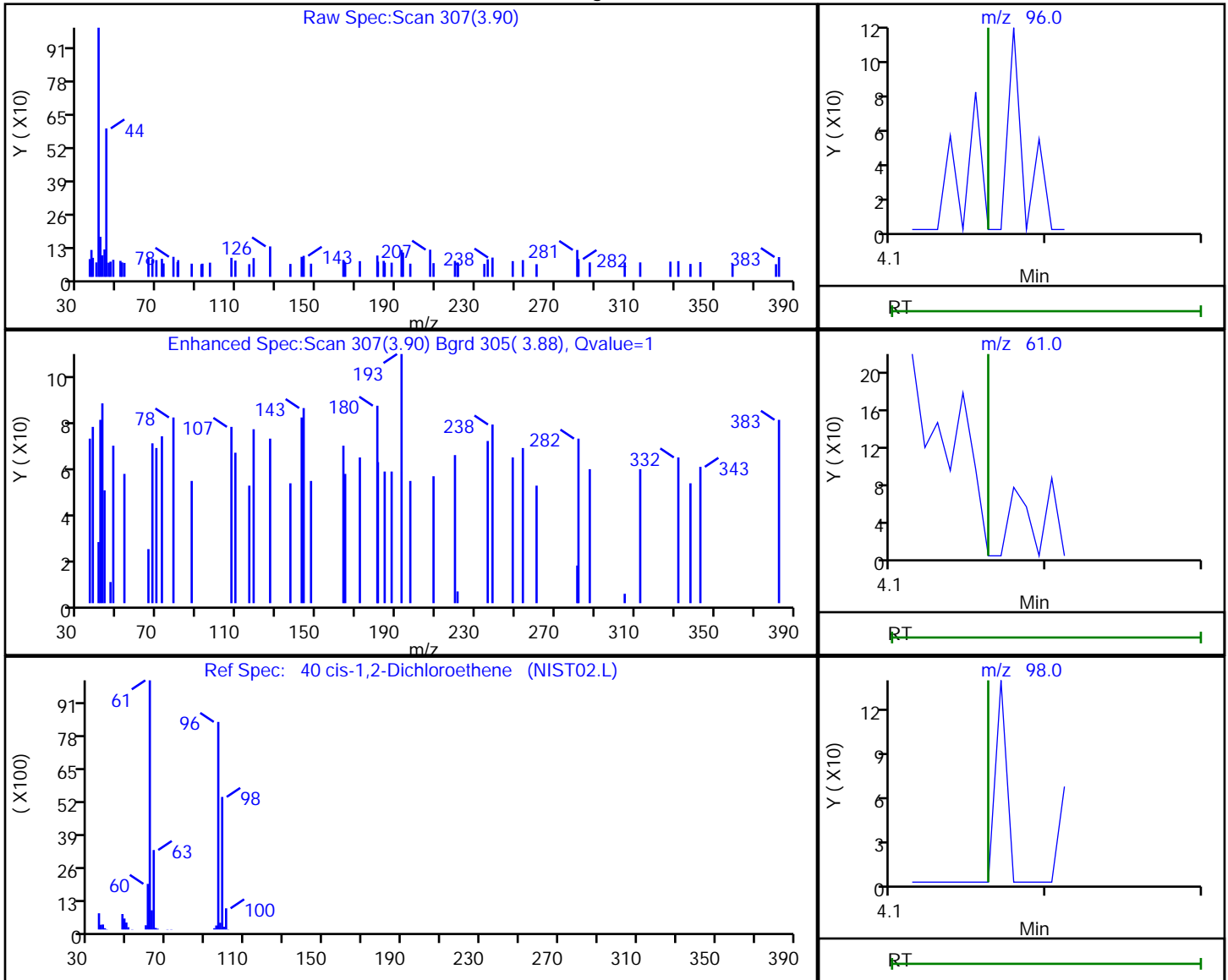
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
3.90	96.00	28	0.008074
3.91	61.00	49	
3.91	98.00	37	

Reviewer: kluseys, 05-Jan-2021 19:52:29  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

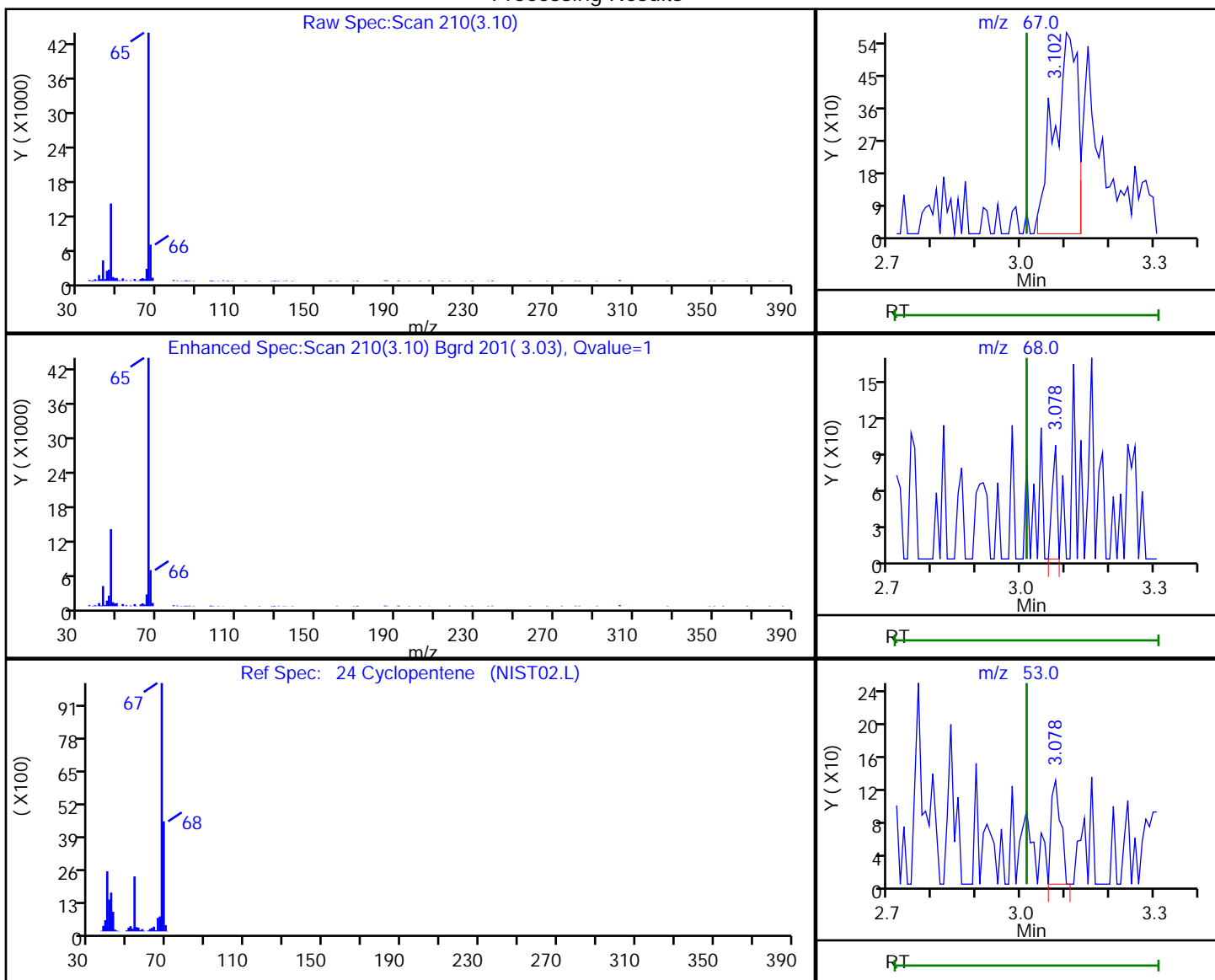
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

24 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
3.10	67.00	2079	0.261433
3.08	68.00	70	
3.08	53.00	189	

Reviewer: kluseys, 05-Jan-2021 19:52:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

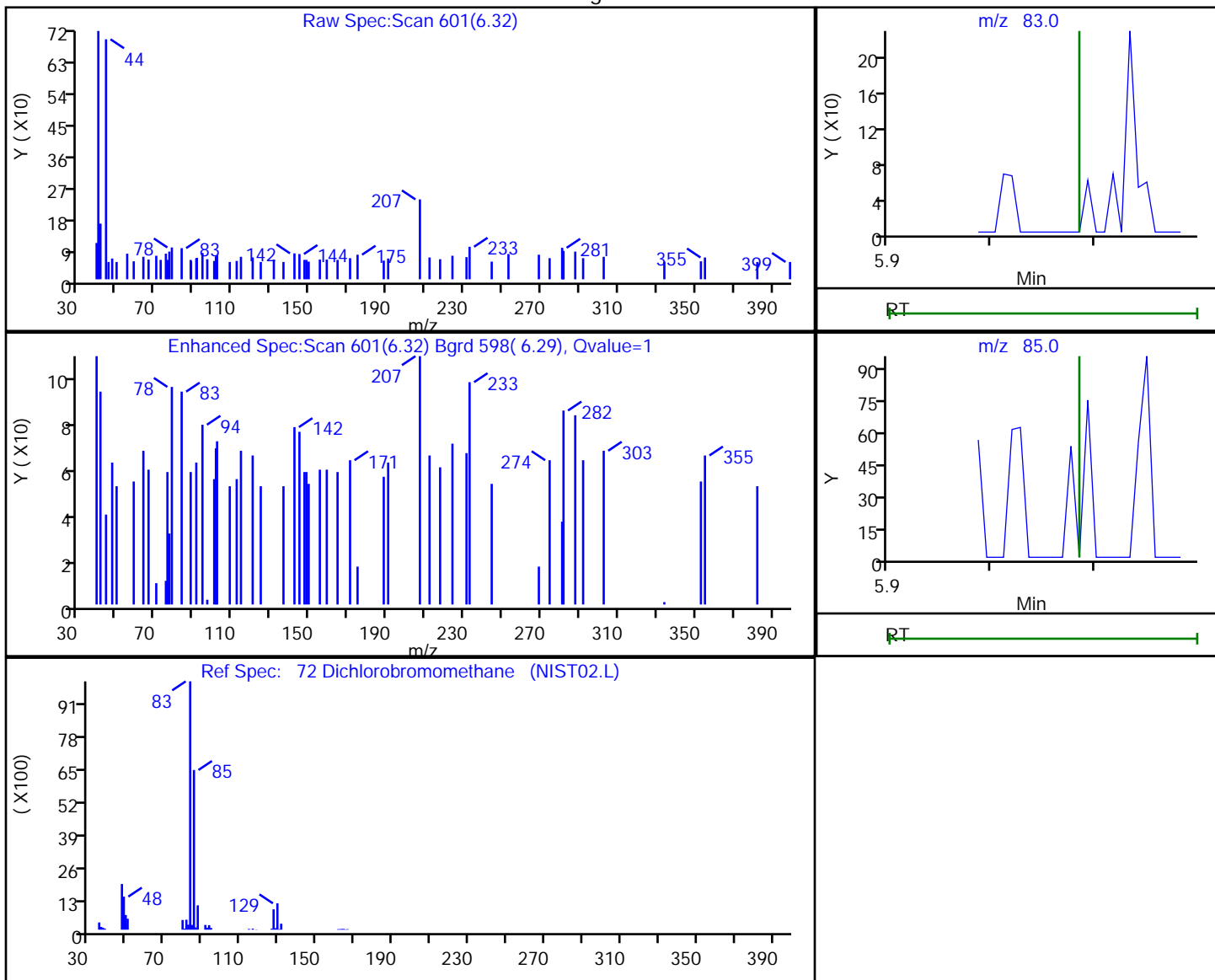
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

72 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
6.32	83.00	44	0.012360
6.31	85.00	56	

Reviewer: kluseys, 05-Jan-2021 19:53:19

Audit Action: Marked Compound Undetected

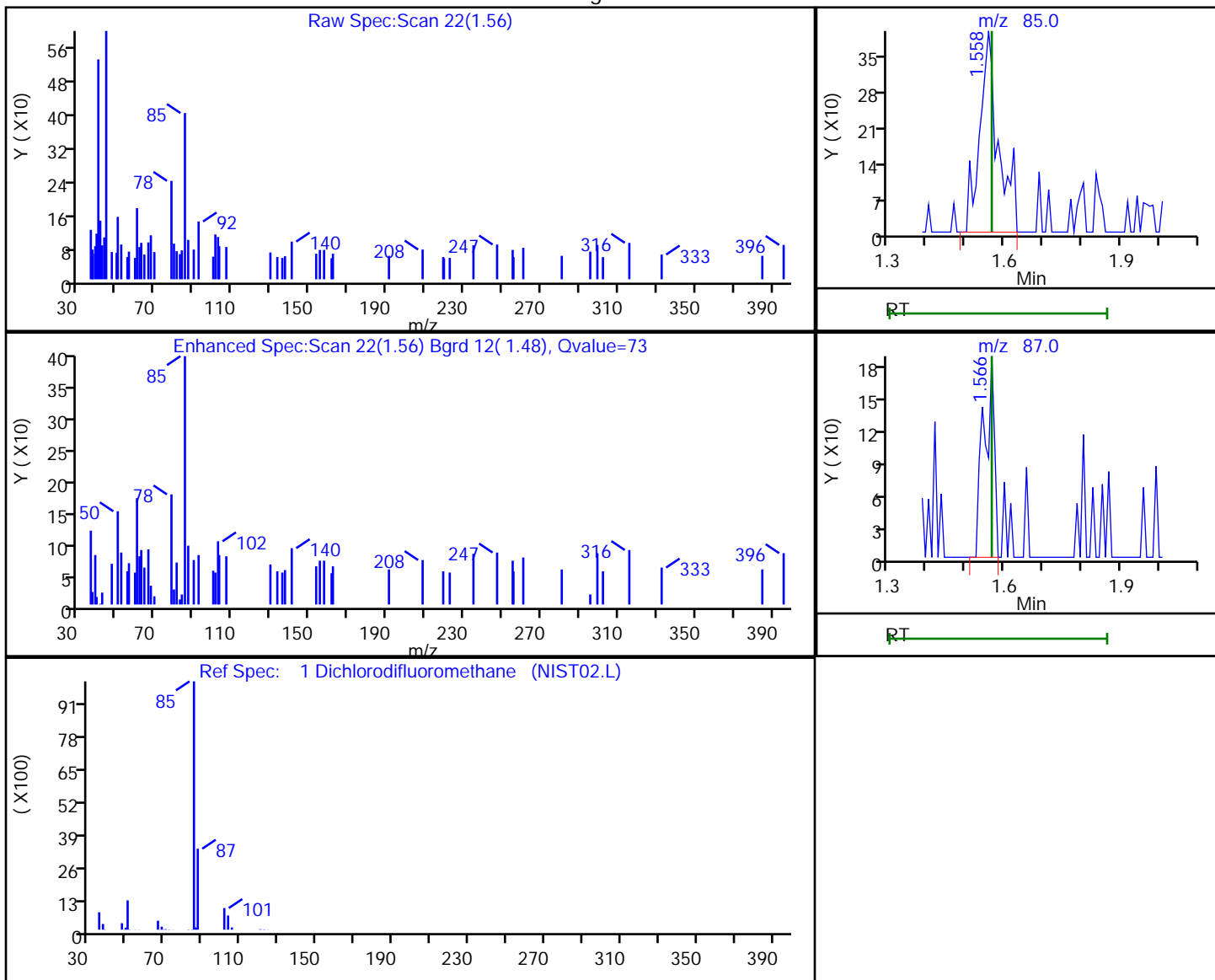
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
1.56	85.00	1320	0.283344
1.57	87.00	357	

Reviewer: kluseys, 05-Jan-2021 19:50:00

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

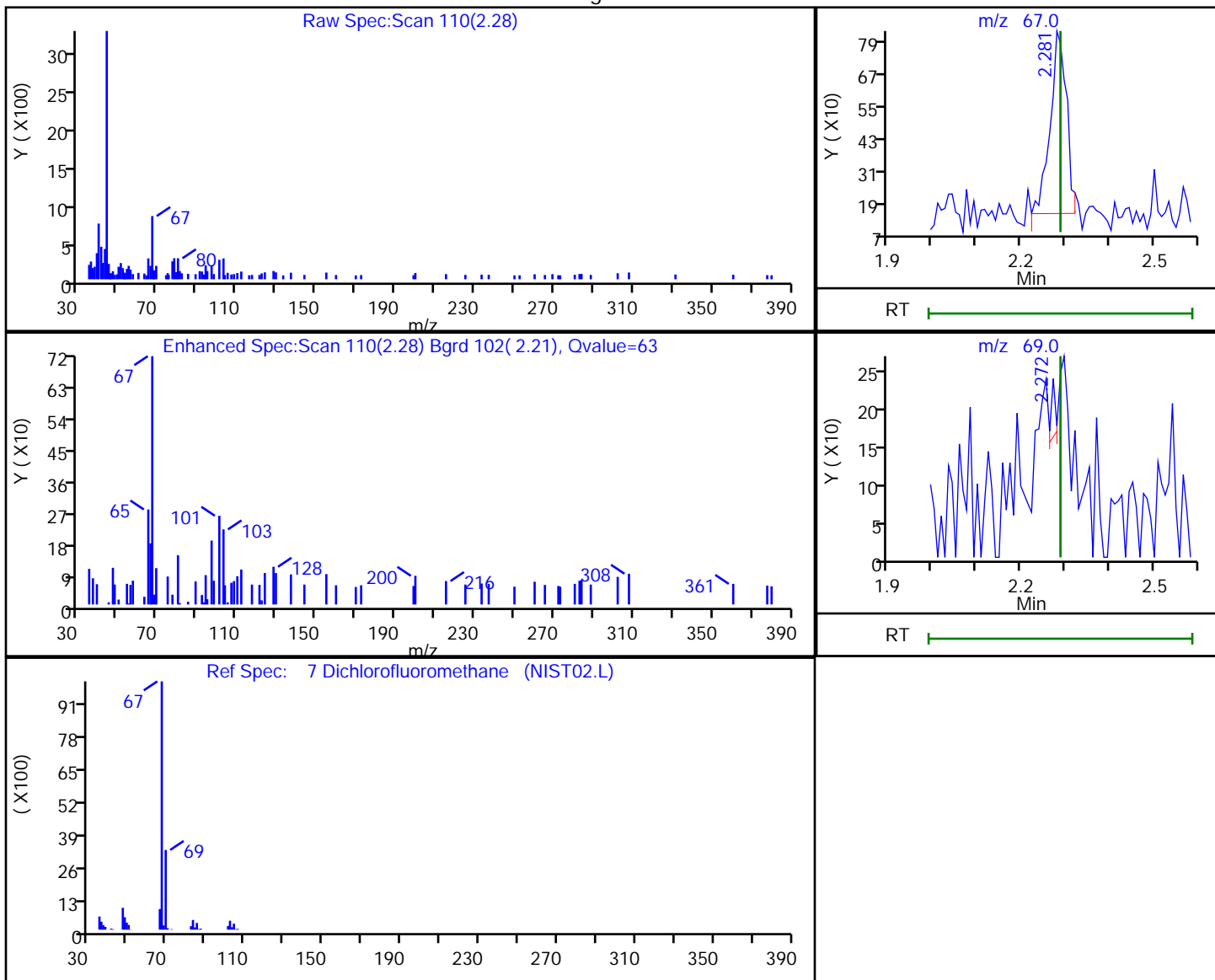
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

7 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.28	67.00	1758	0.253458
2.27	69.00	49	

Reviewer: kluseys, 05-Jan-2021 19:50:20

Audit Action: Marked Compound Undetected

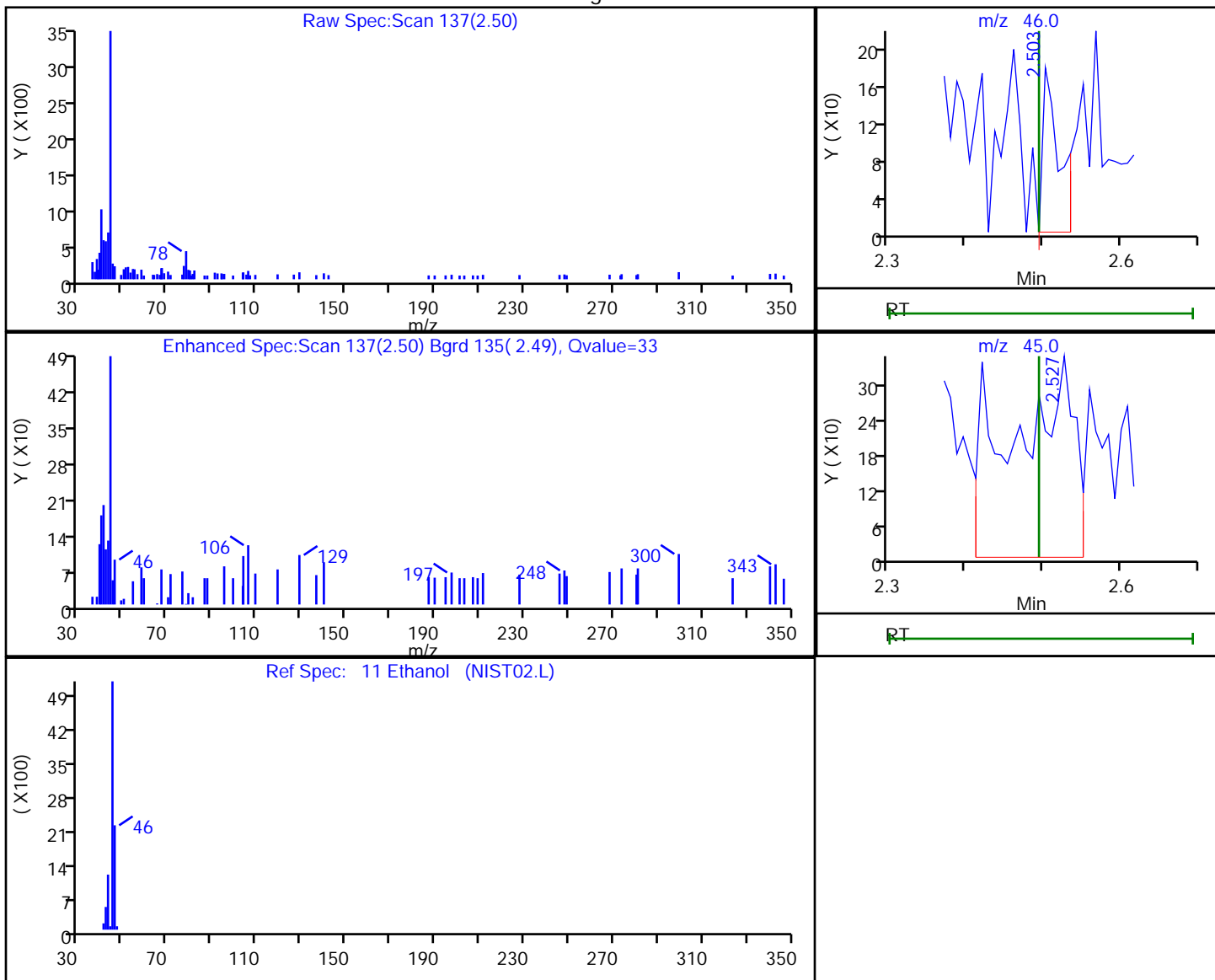
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
2.50	46.00	267	13.489674
2.53	45.00	1901	

Reviewer: kluseys, 05-Jan-2021 19:50:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

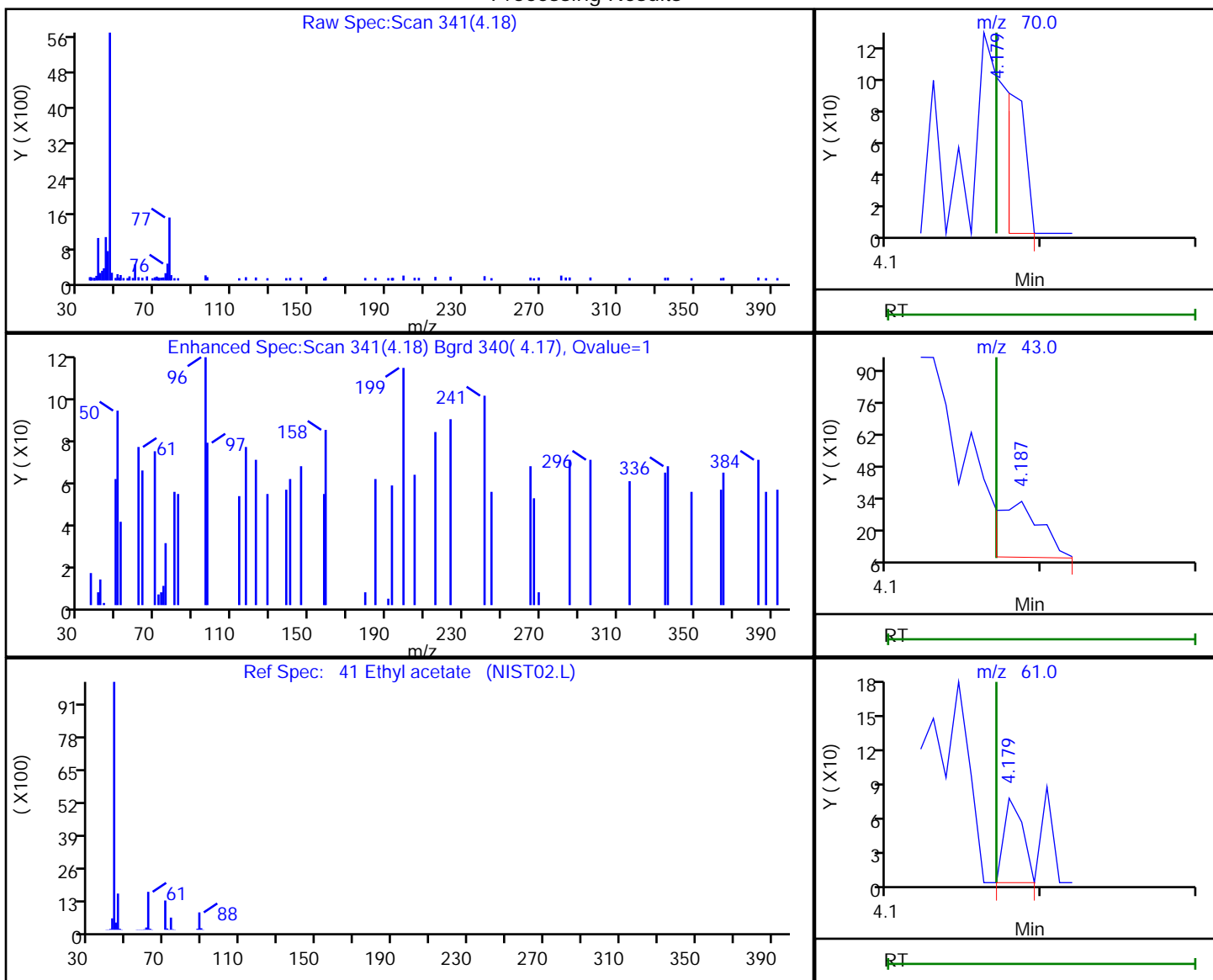


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
4.18	70.00	84	0.281523
4.19	43.00	492	
4.18	61.00	63	

Reviewer: kluseys, 05-Jan-2021 19:52:36

Audit Action: Marked Compound Undetected

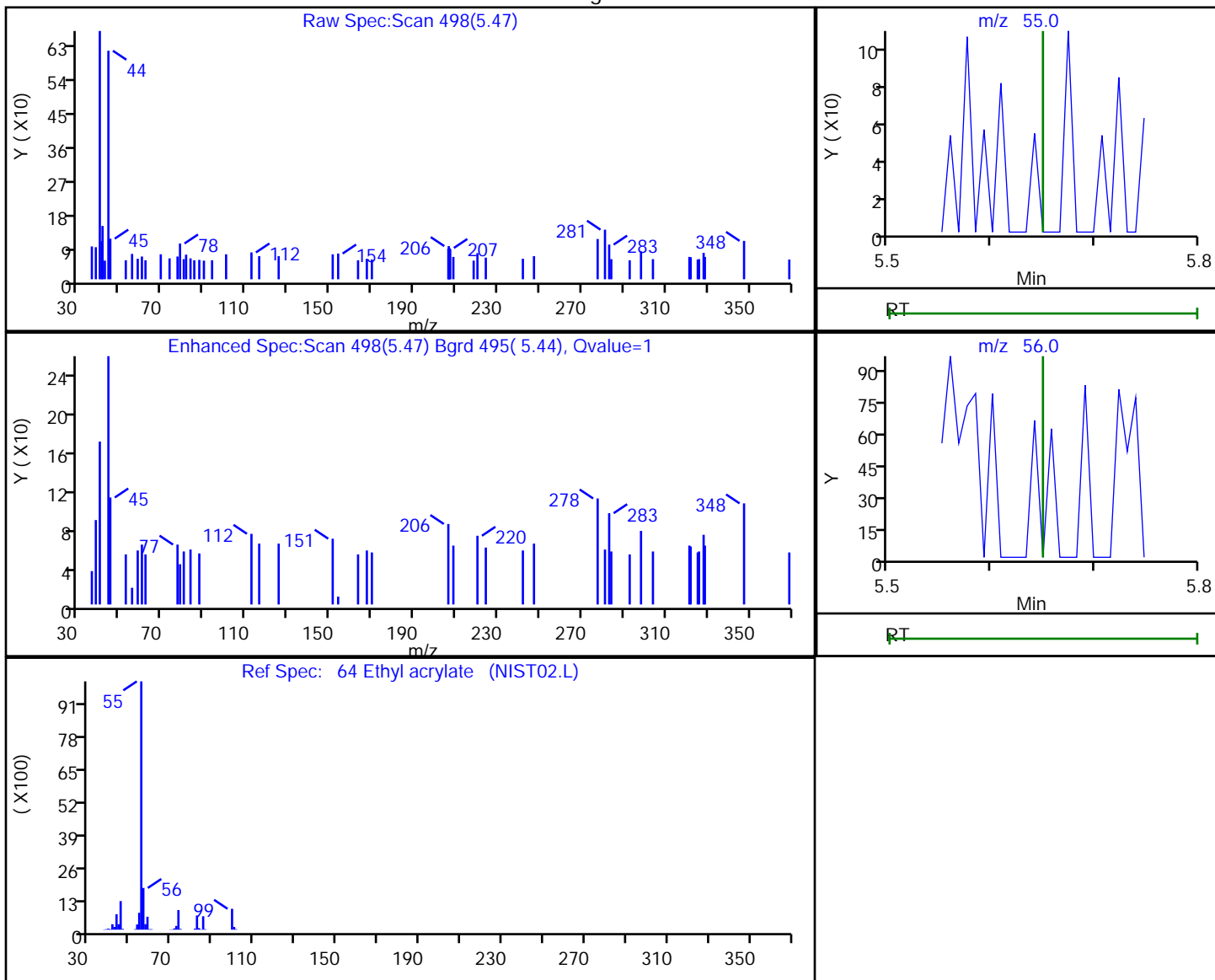
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
5.47	55.00	34	0.004425
5.49	56.00	66	

Reviewer: kluseys, 05-Jan-2021 19:53:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

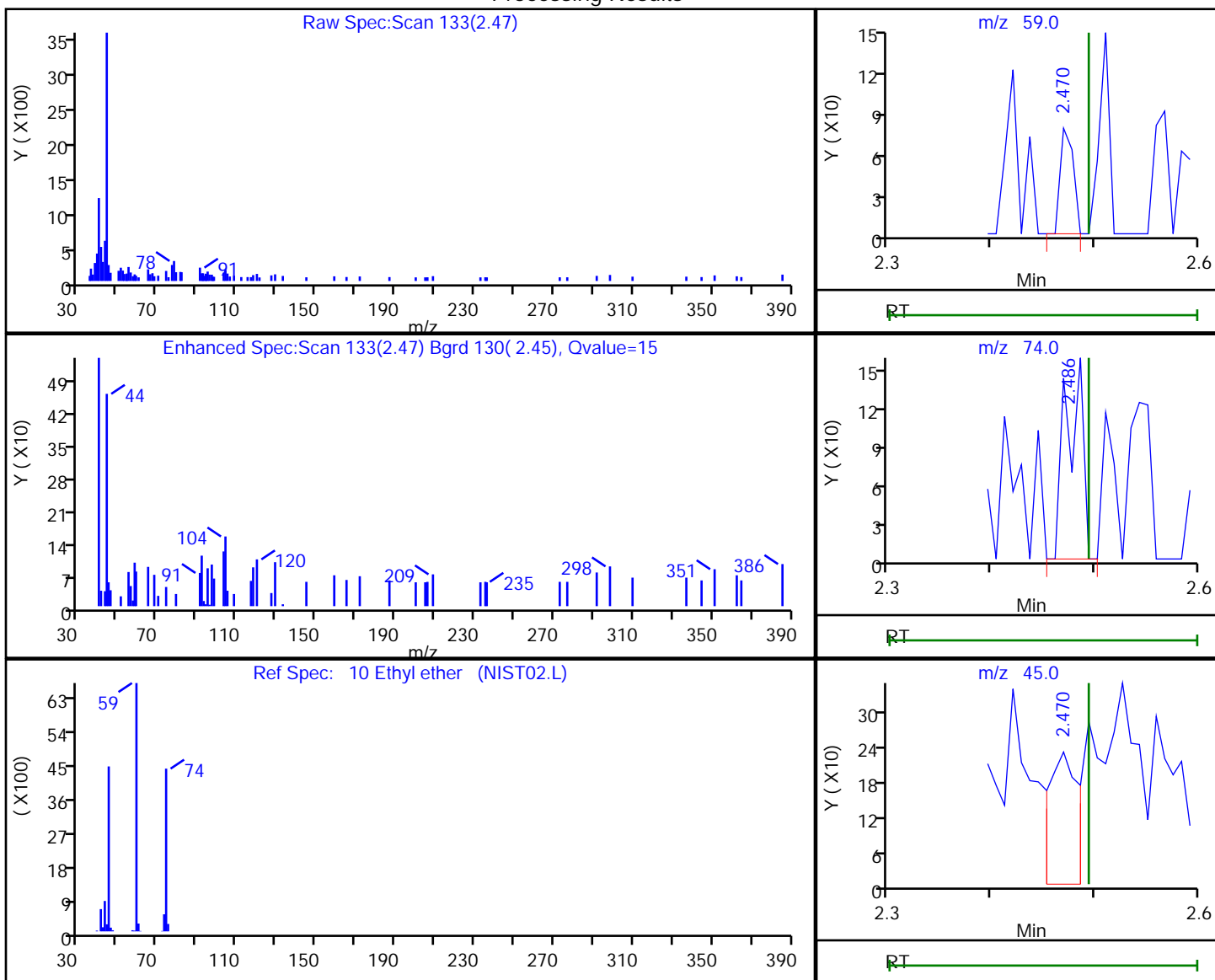
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

10 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.47	59.00	66	0.021609
2.49	74.00	181	
2.47	45.00	459	

Reviewer: kluseys, 05-Jan-2021 19:50:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

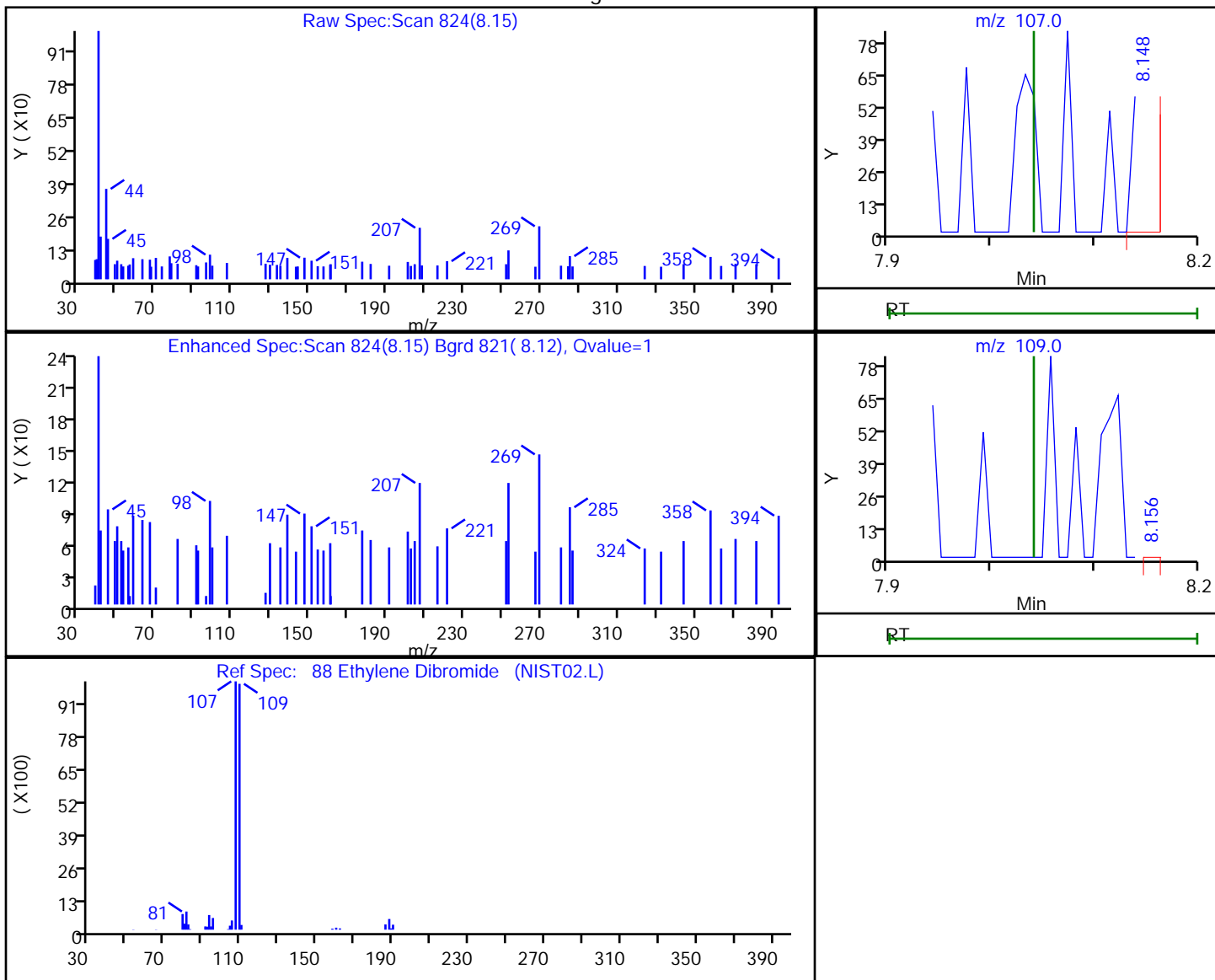
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)

Detector: MS SCAN

88 Ethylene Dibromide, CAS: 106-93-4

Processing Results



RT	Mass	Response	Amount
8.15	107.00	91	0.036348
8.16	109.00	34	

Reviewer: kluseys, 05-Jan-2021 19:53:51

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

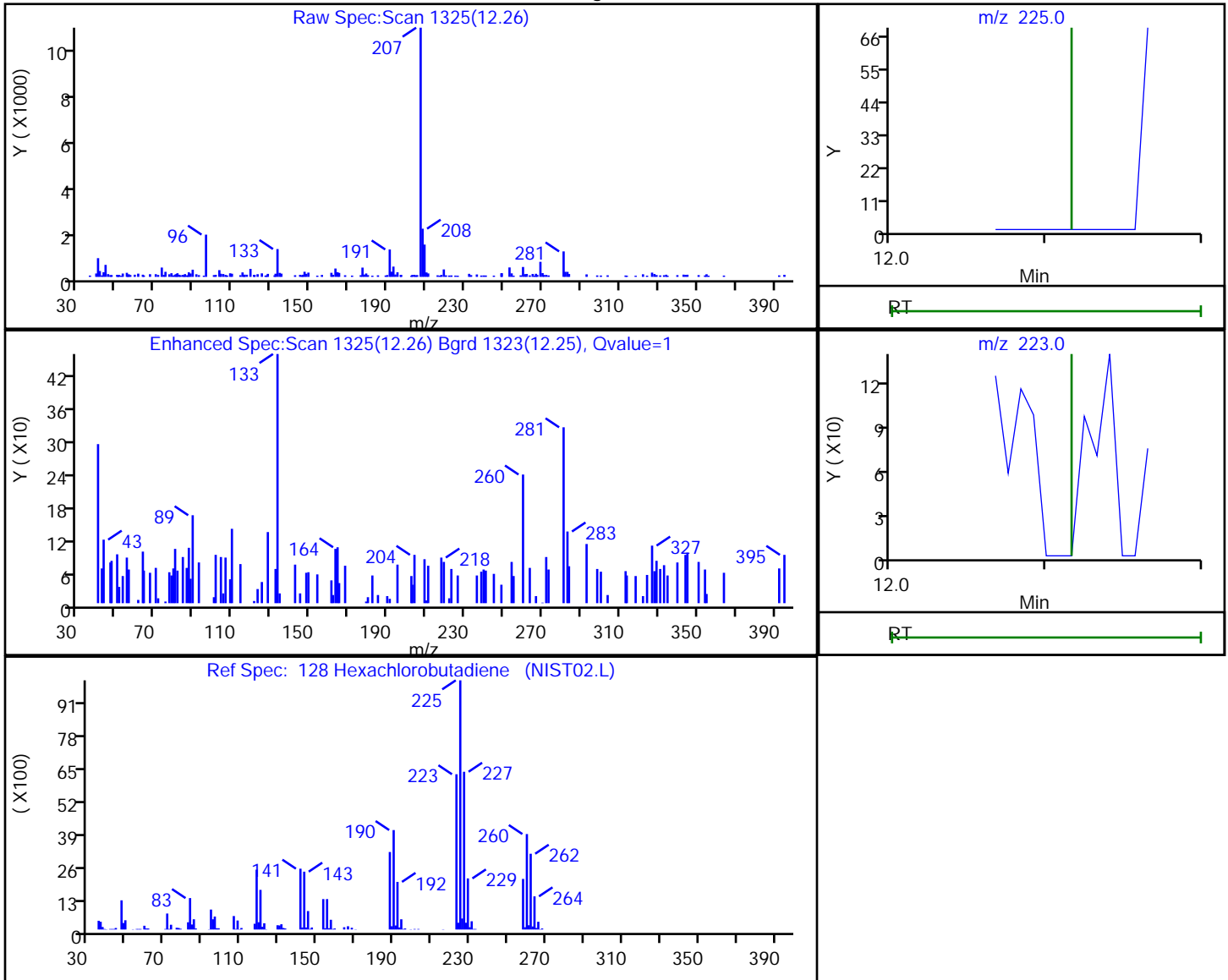
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

128 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.26	225.00	28	0.013991
12.27	223.00	197	

Reviewer: kluseys, 05-Jan-2021 19:54:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

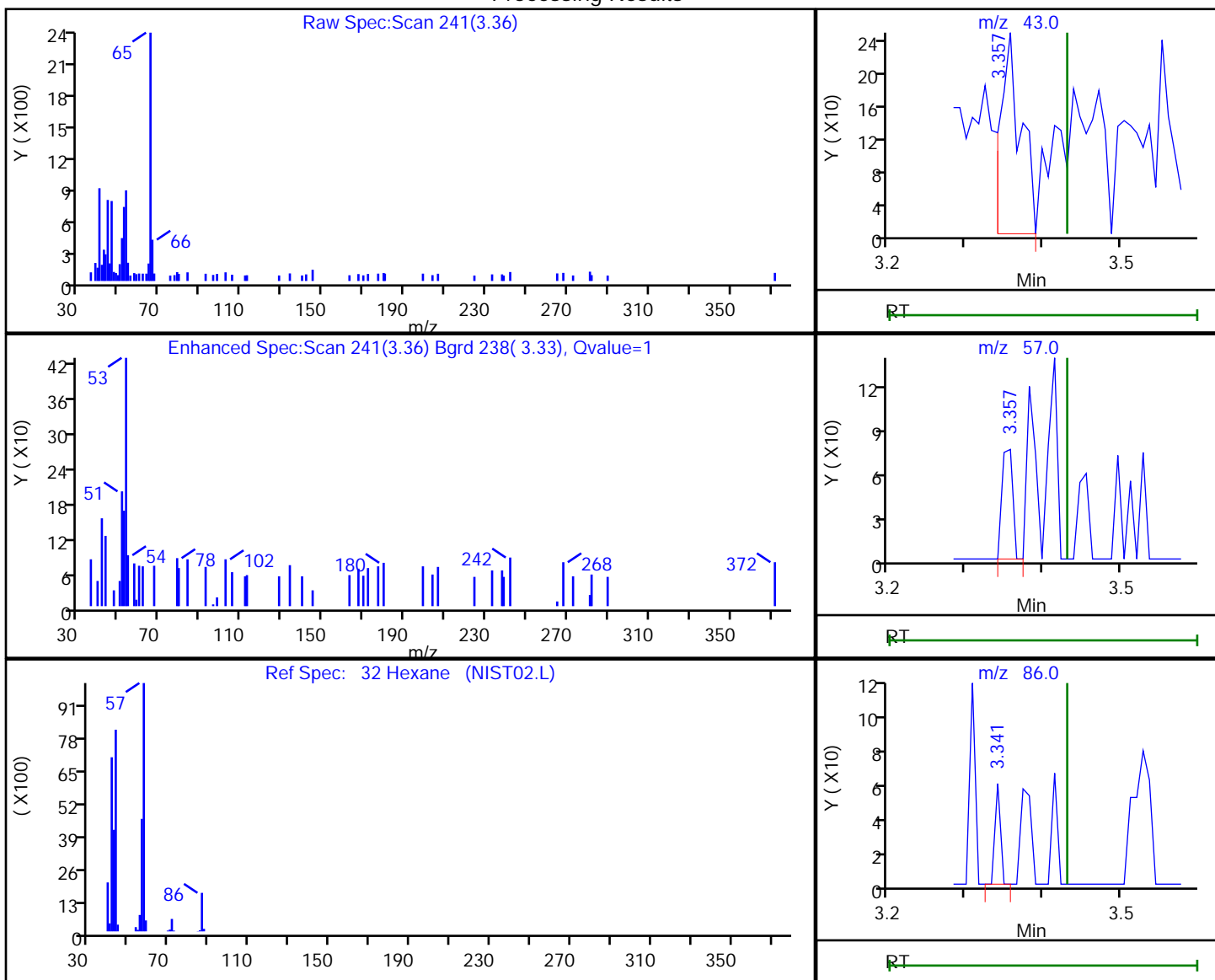
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
3.36	43.00	448	0.161368
3.36	57.00	71	
3.34	86.00	29	
3.37	56.00	46	

Reviewer: kluseys, 05-Jan-2021 19:52:16

Audit Action: Marked Compound Undetected

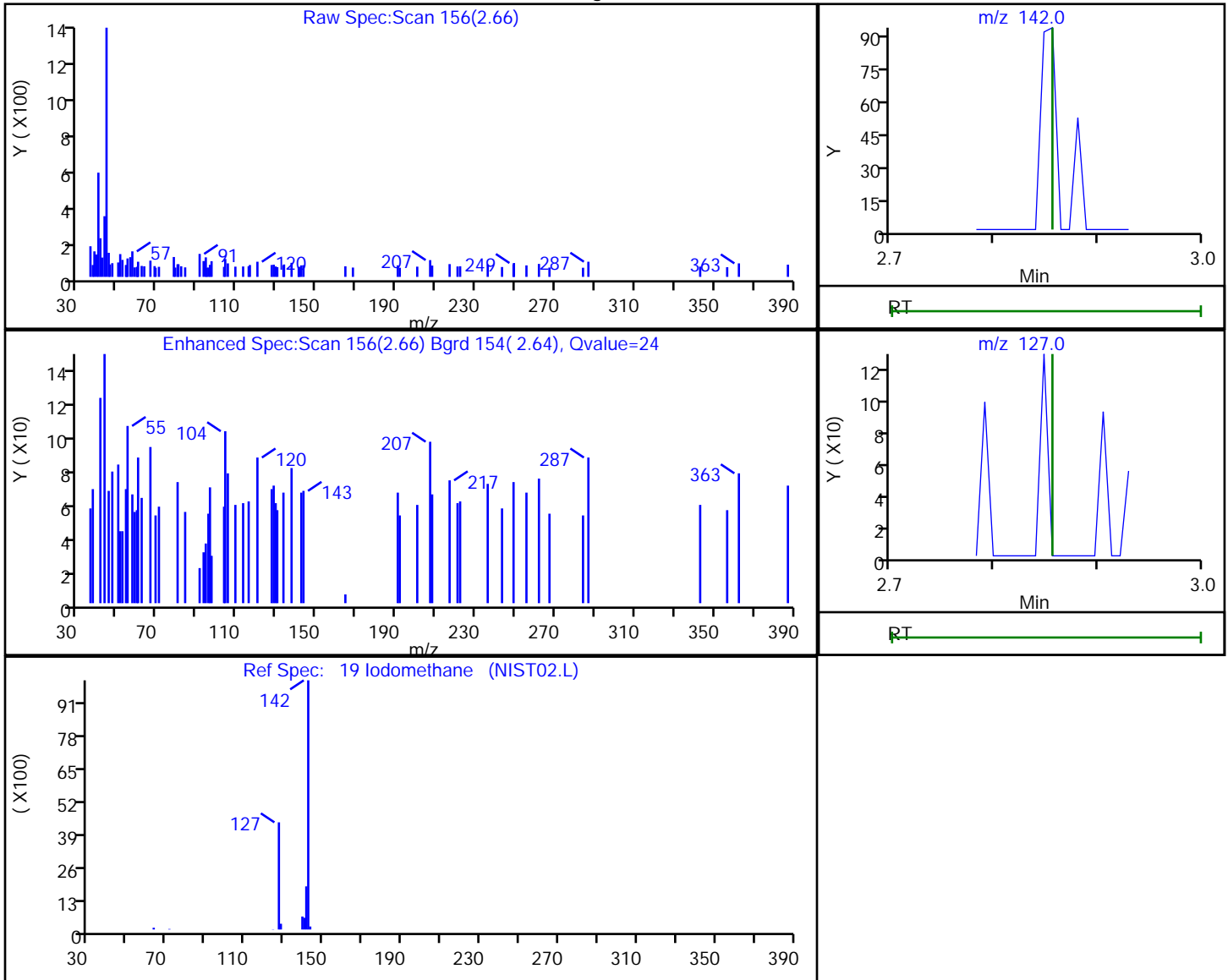
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
Injection Date: 05-Jan-2021 16:09:30 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
2.66	142.00	57	0.011486
2.66	127.00	32	

Reviewer: kluseys, 05-Jan-2021 19:51:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

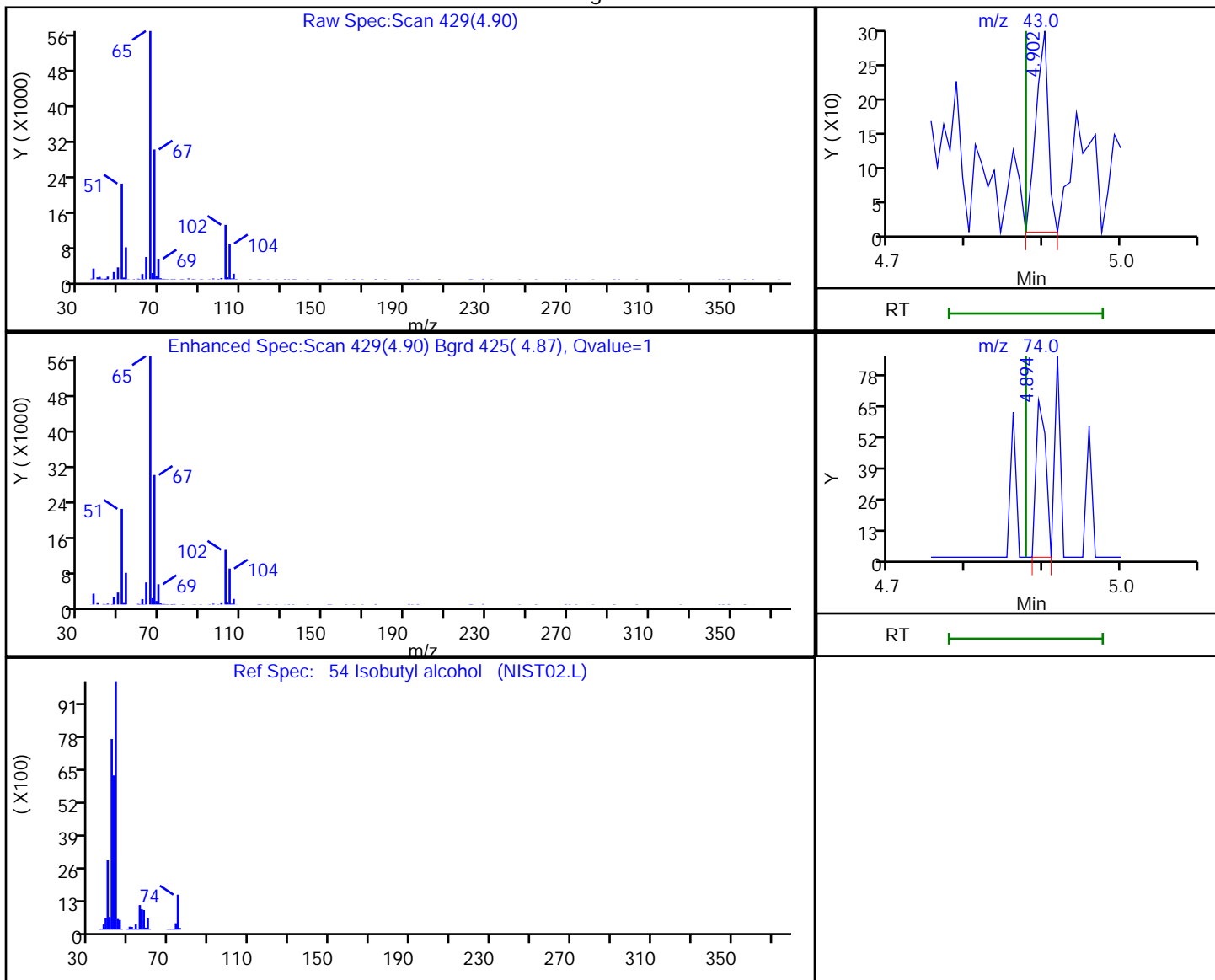
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Processing Results



RT	Mass	Response	Amount
4.90	43.00	330	1.441638
4.89	74.00	59	

Reviewer: kluseys, 05-Jan-2021 19:52:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

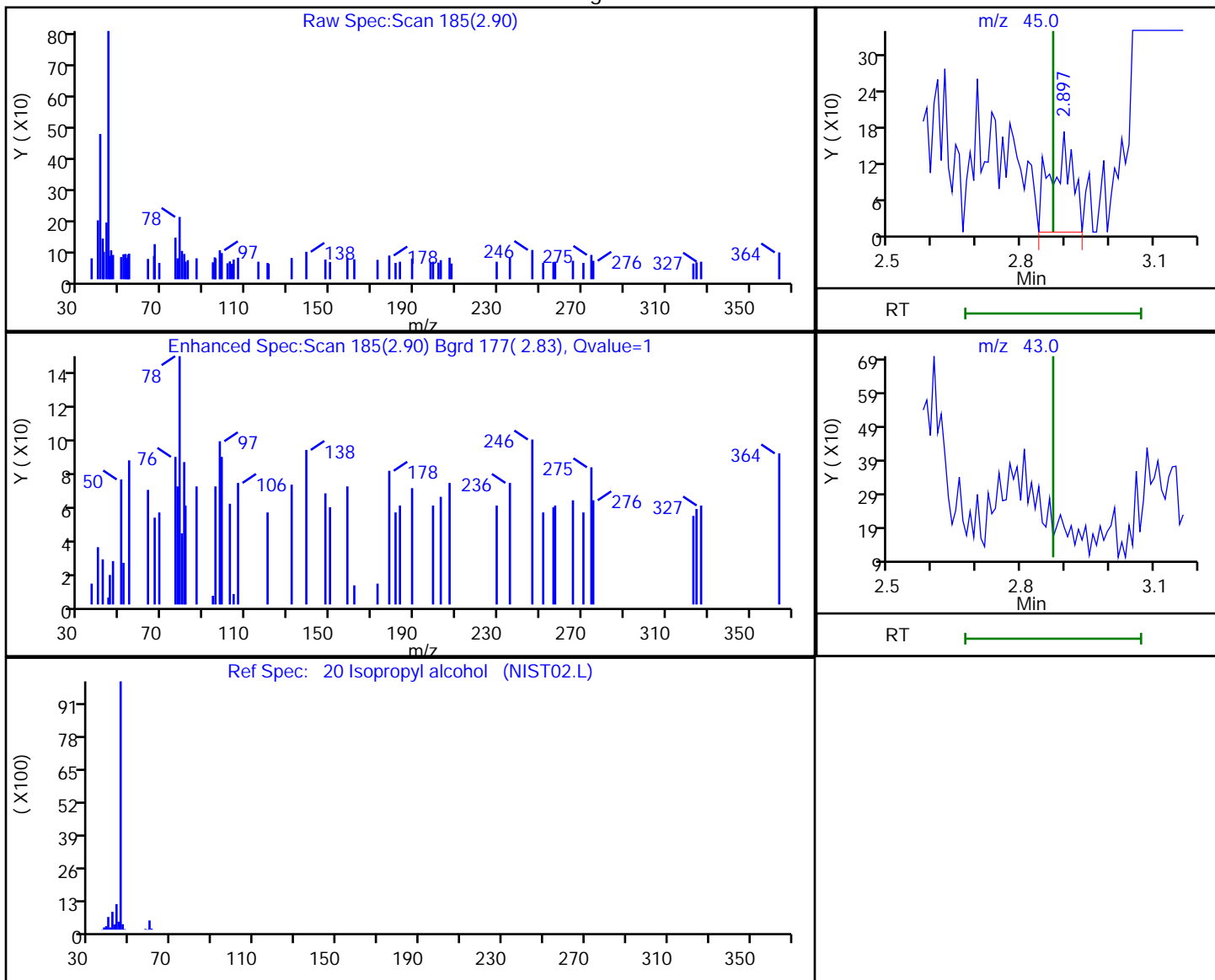
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

20 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
2.90	45.00	550	2.816630
2.89	43.00	0	

Reviewer: kluseys, 05-Jan-2021 19:51:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

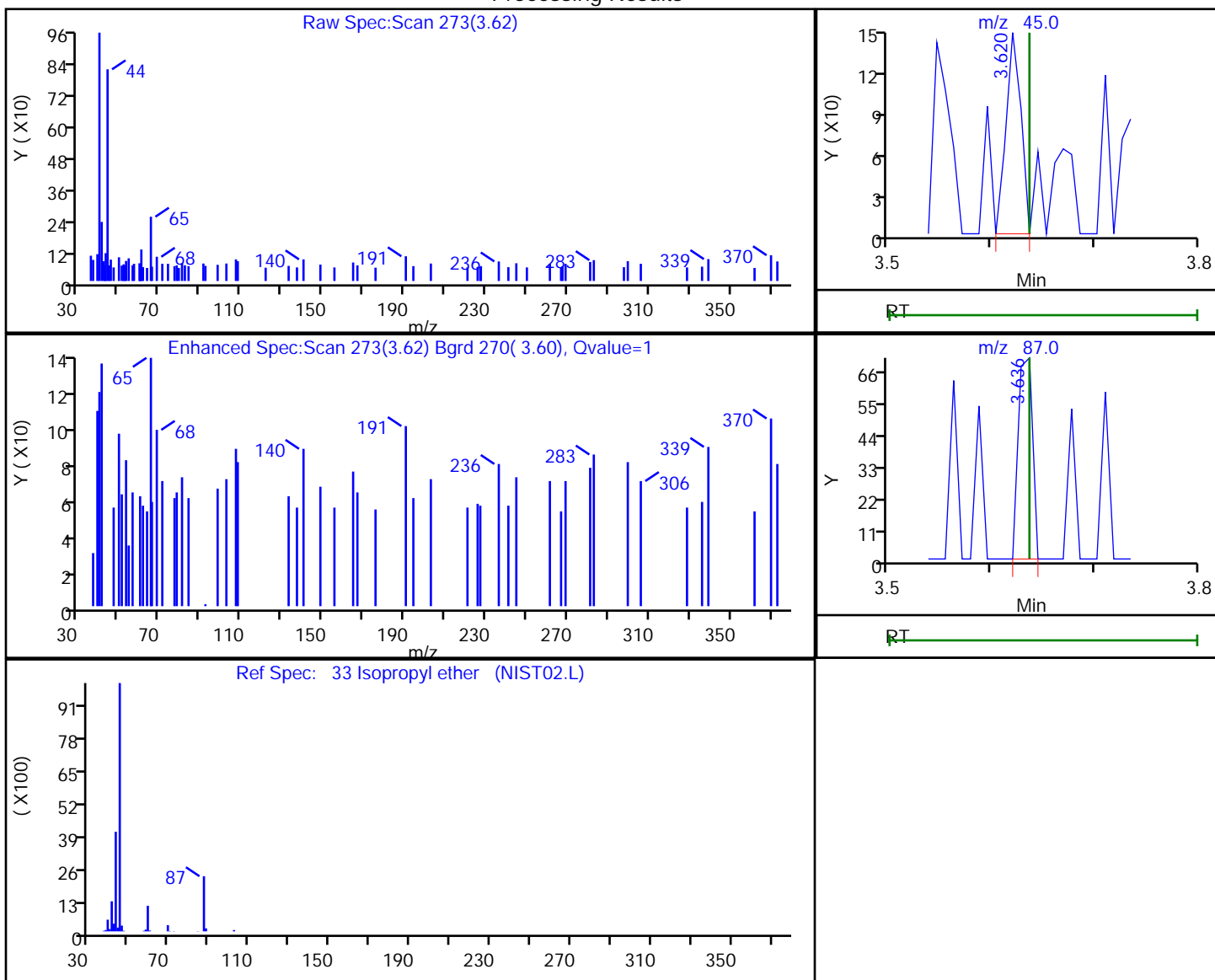
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

33 Isopropyl ether, CAS: 108-20-3

Processing Results



RT	Mass	Response	Amount
3.62	45.00	142	0.013716
3.64	87.00	69	

Reviewer: kluseys, 05-Jan-2021 19:52:19

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

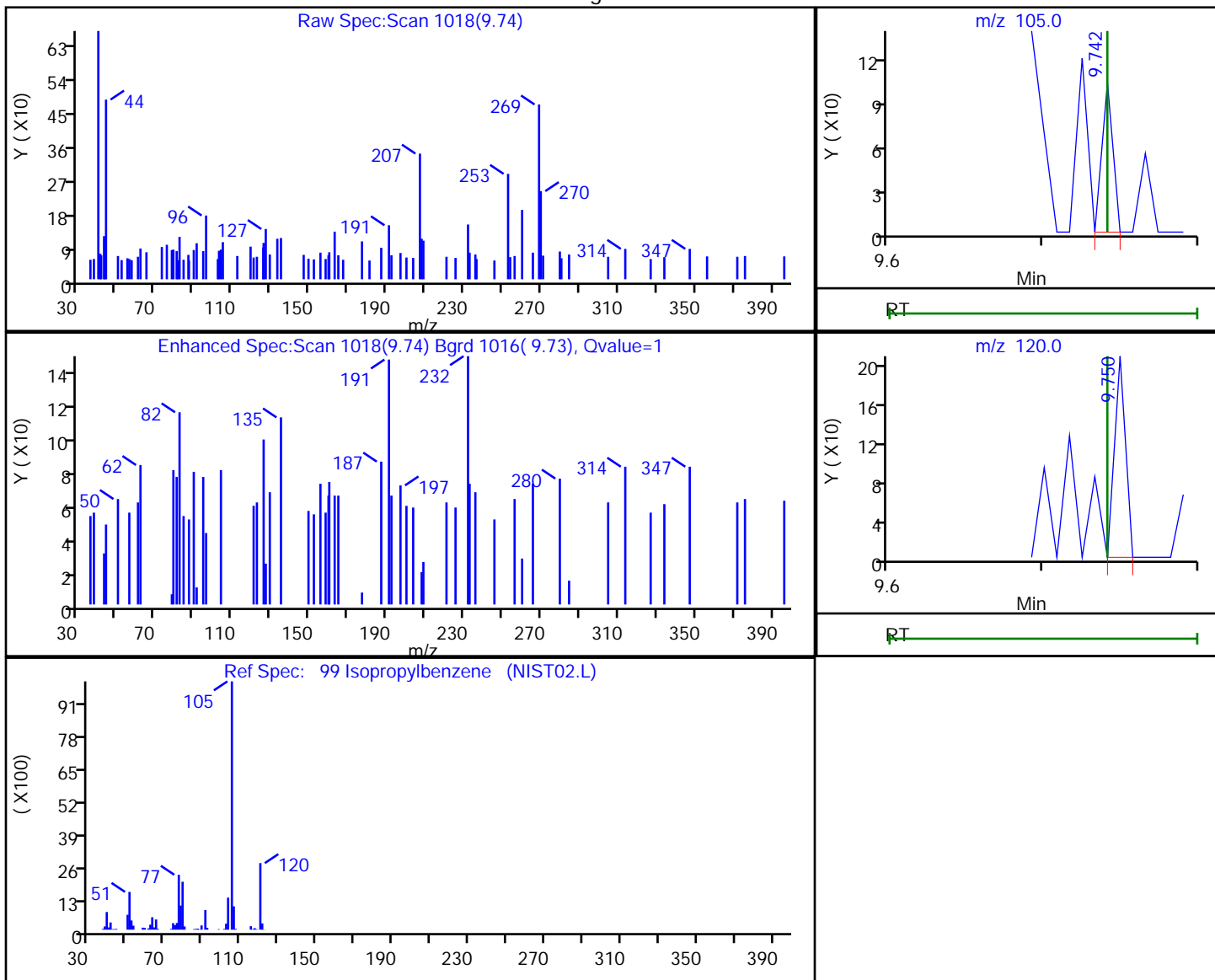
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

99 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
9.74	105.00	49	0.003348
9.75	120.00	100	

Reviewer: kluseys, 05-Jan-2021 19:54:03

Audit Action: Marked Compound Undetected

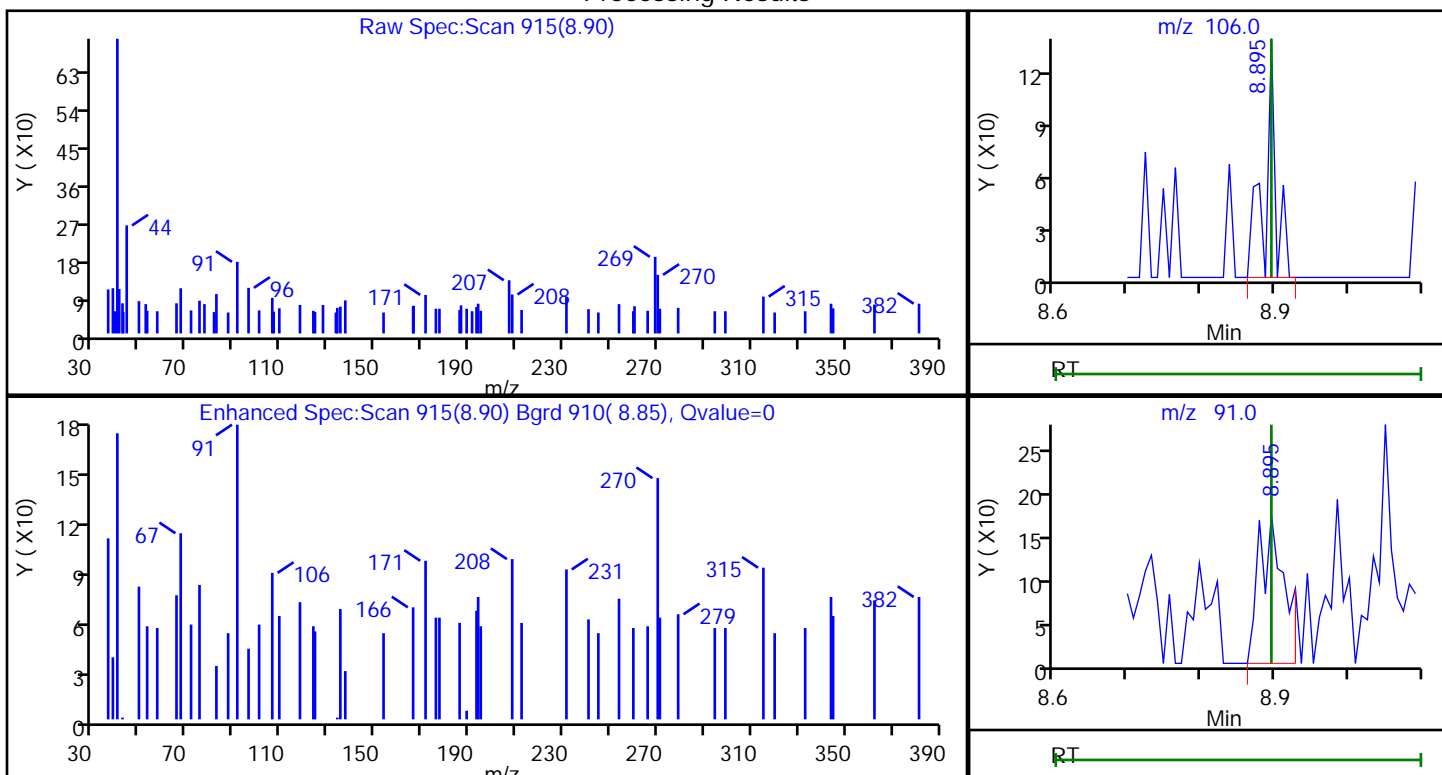
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
8.90	106.00	146	0.027794
8.90	91.00	406	

Reviewer: kluseys, 05-Jan-2021 19:53:56

Audit Action: Marked Compound Undetected

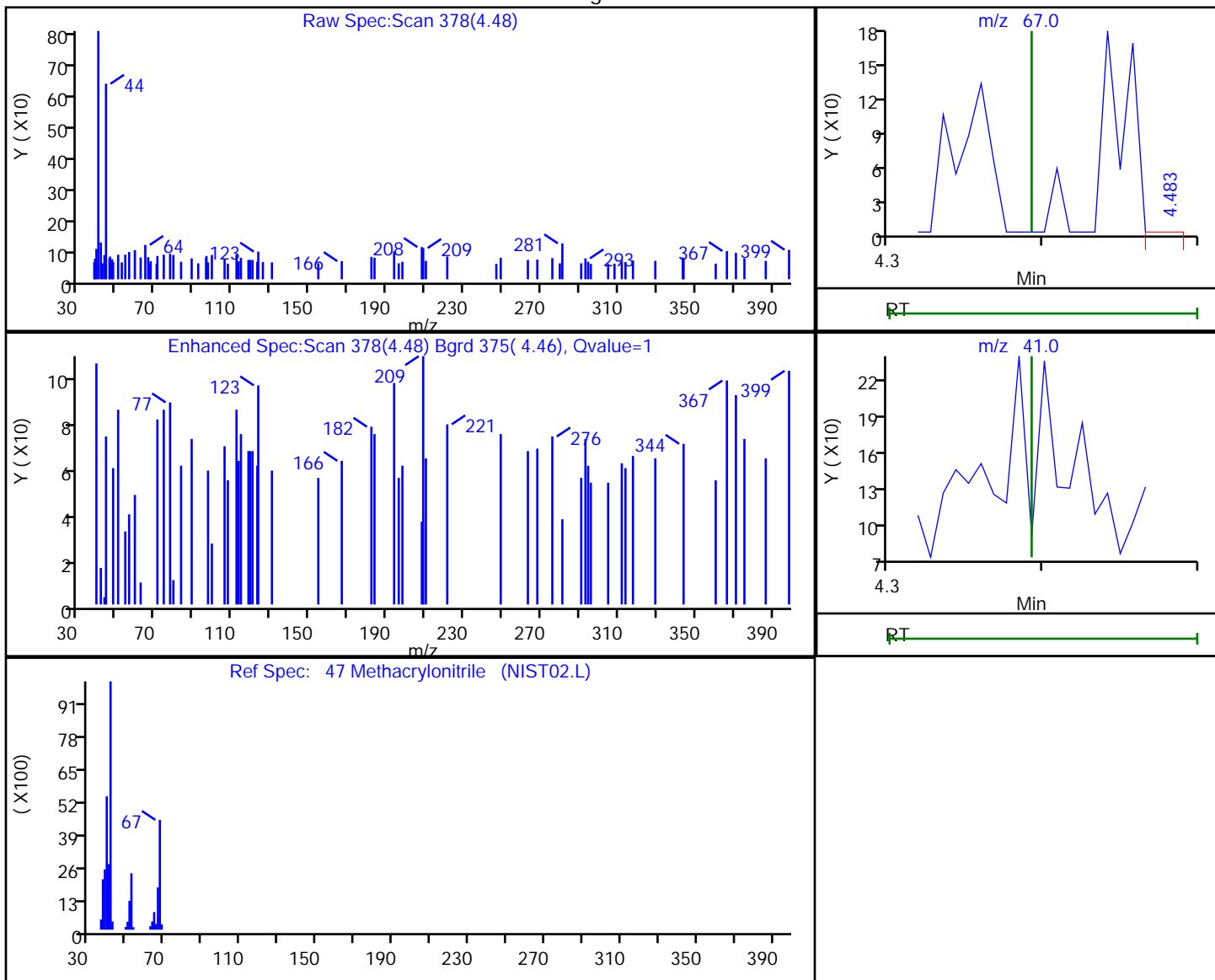
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
4.48	67.00	106	0.233702
4.49	41.00	267	

Reviewer: kluseys, 05-Jan-2021 19:52:45

Audit Action: Marked Compound Undetected

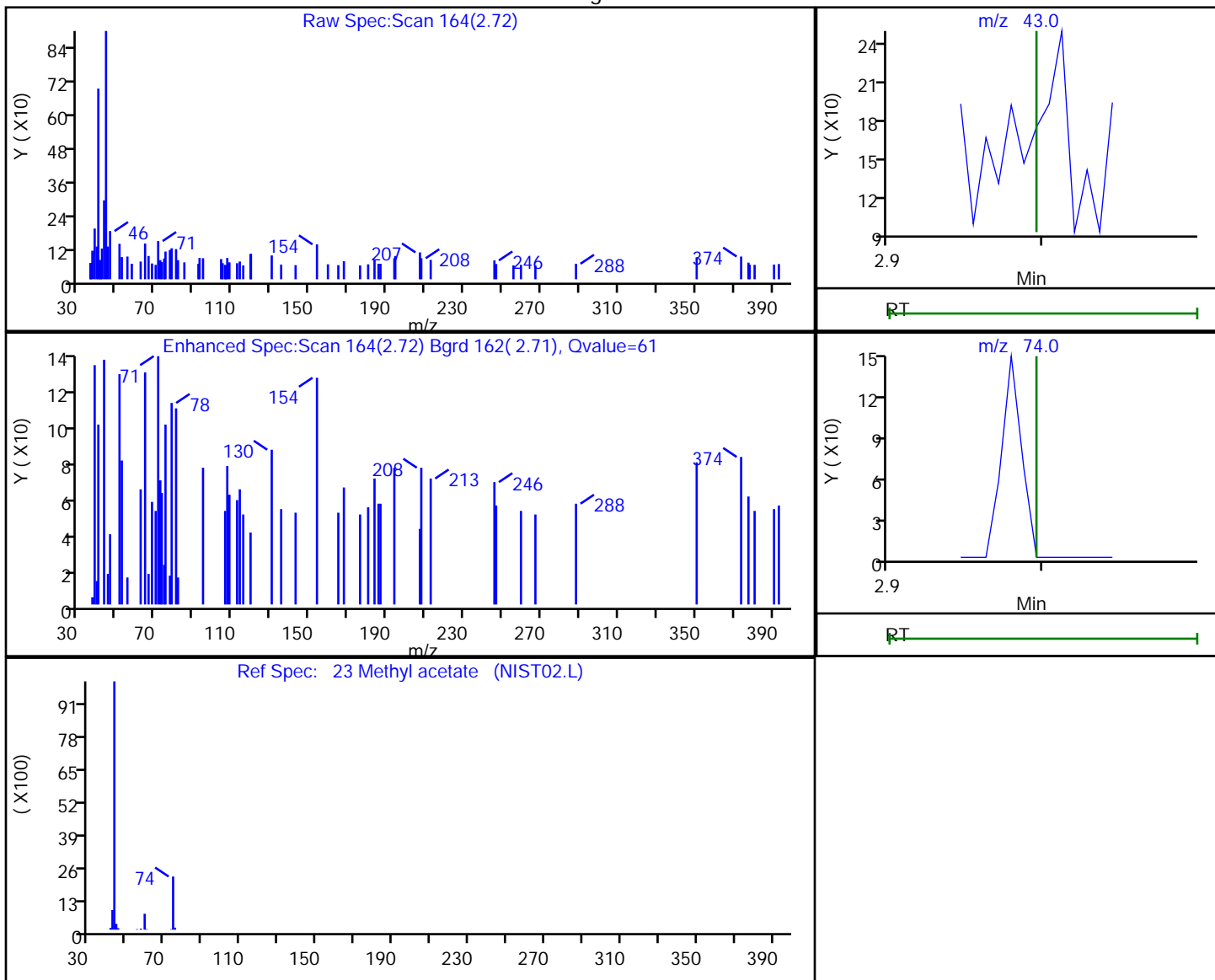
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
2.72	43.00	312	0.107229
2.72	74.00	64	

Reviewer: kluseys, 05-Jan-2021 19:50:52

Audit Action: Marked Compound Undetected

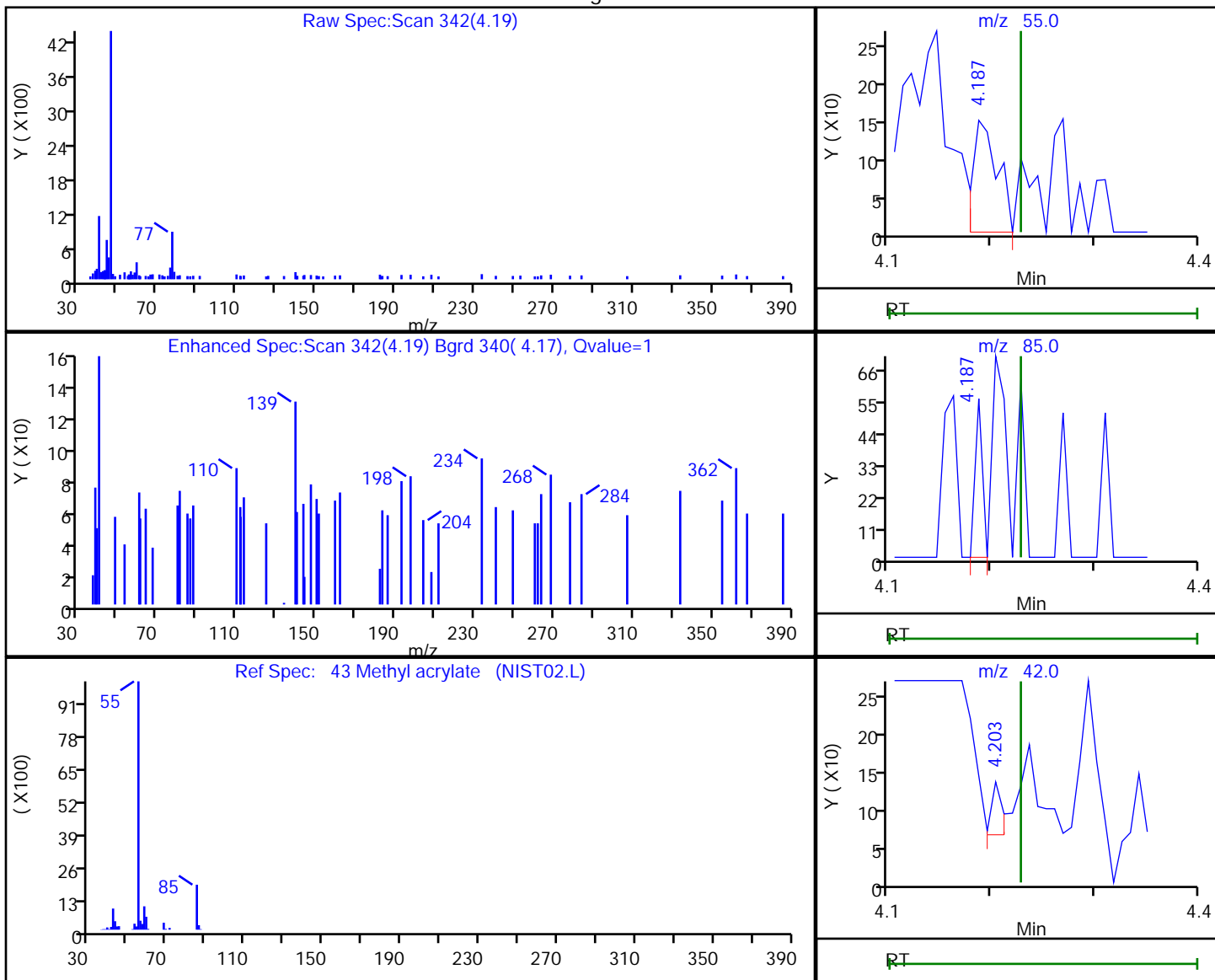
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
4.19	55.00	241	0.104572
4.19	85.00	28	
4.20	42.00	51	

Reviewer: kluseys, 05-Jan-2021 19:52:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

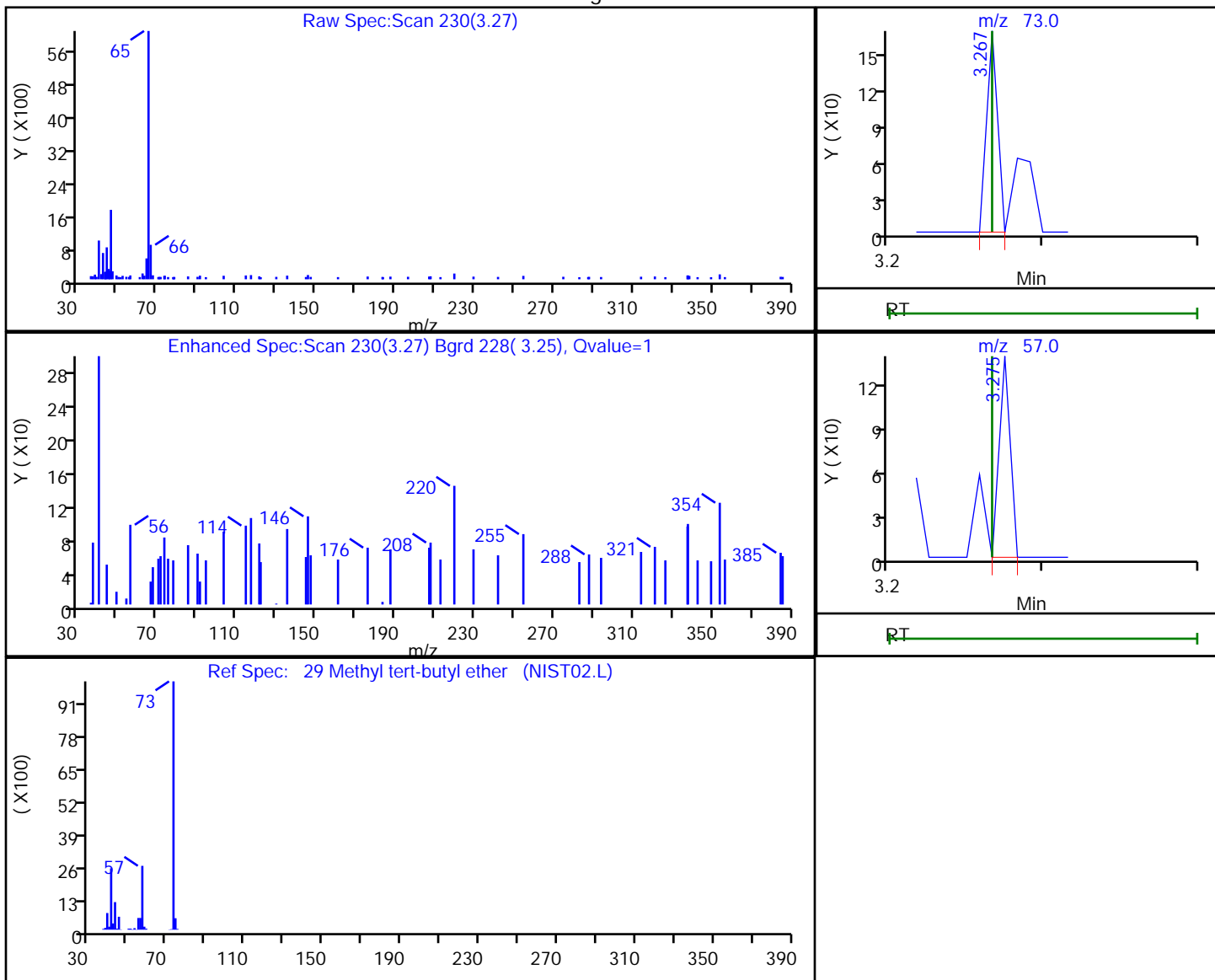
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

29 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
3.27	73.00	82	0.008601
3.27	57.00	66	

Reviewer: kluseys, 05-Jan-2021 19:52:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

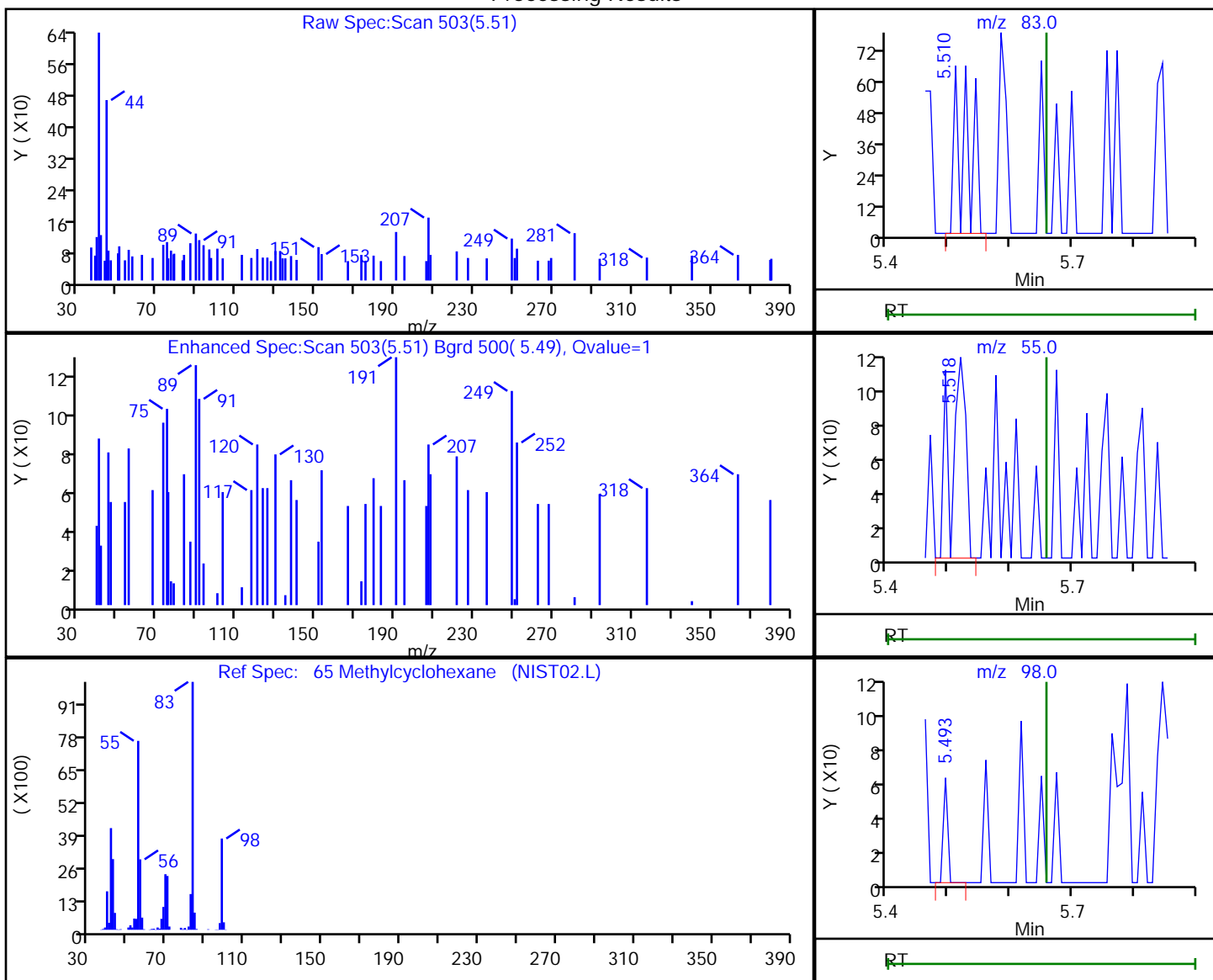
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

65 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
5.51	83.00	95	0.016623
5.52	55.00	184	
5.49	98.00	29	

Reviewer: kluseys, 05-Jan-2021 19:53:11

Audit Action: Marked Compound Undetected

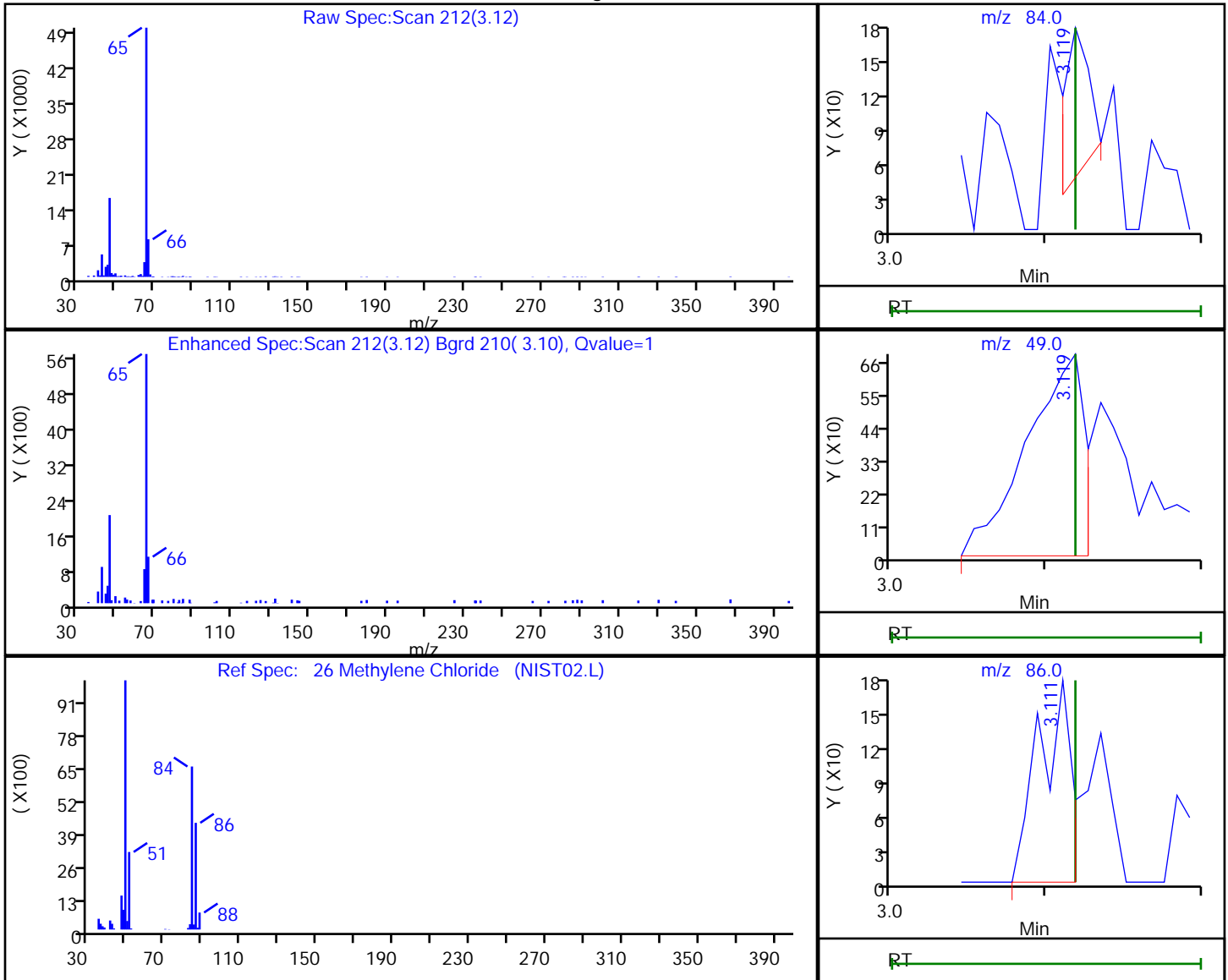
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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

26 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.12	84.00	144	0.038280
3.12	49.00	1808	
3.11	86.00	256	

Reviewer: kluseys, 05-Jan-2021 19:52:08

Audit Action: Marked Compound Undetected

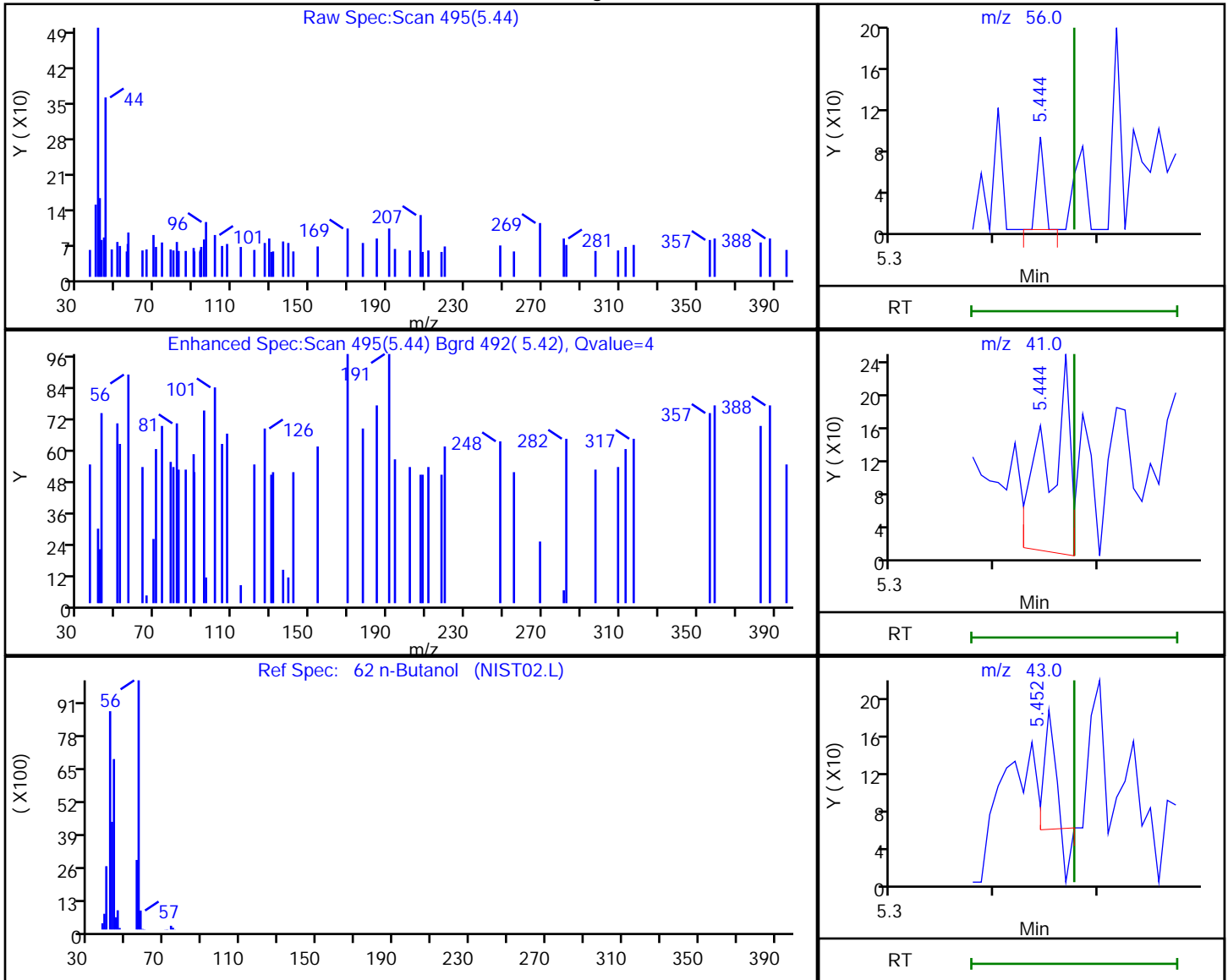
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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

62 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
5.44	56.00	44	0.728854
5.44	41.00	373	
5.45	43.00	70	

Reviewer: kluseys, 05-Jan-2021 19:53:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

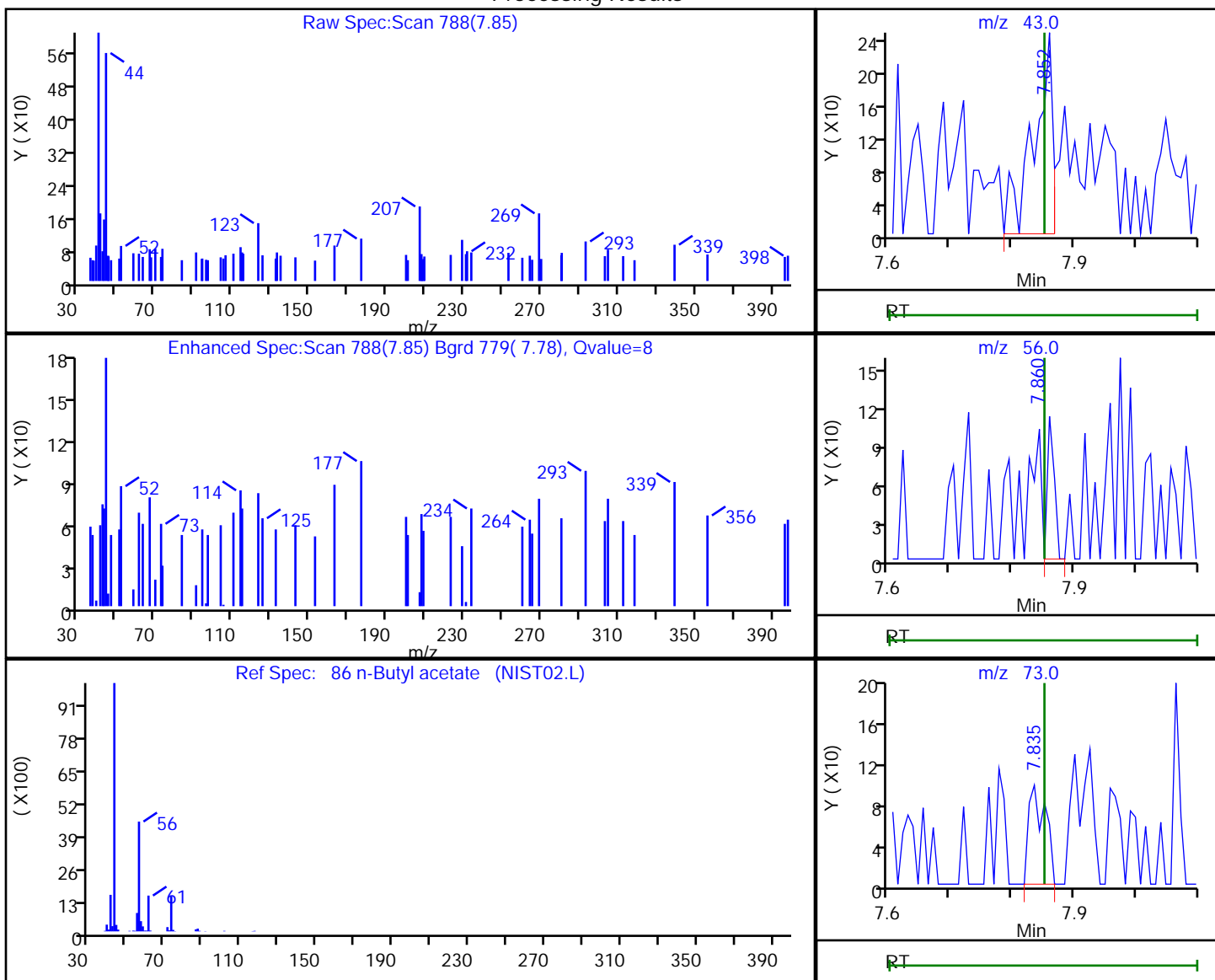
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

86 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.85	43.00	517	0.106752
7.86	56.00	85	
7.84	73.00	179	

Reviewer: kluseys, 05-Jan-2021 19:53:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

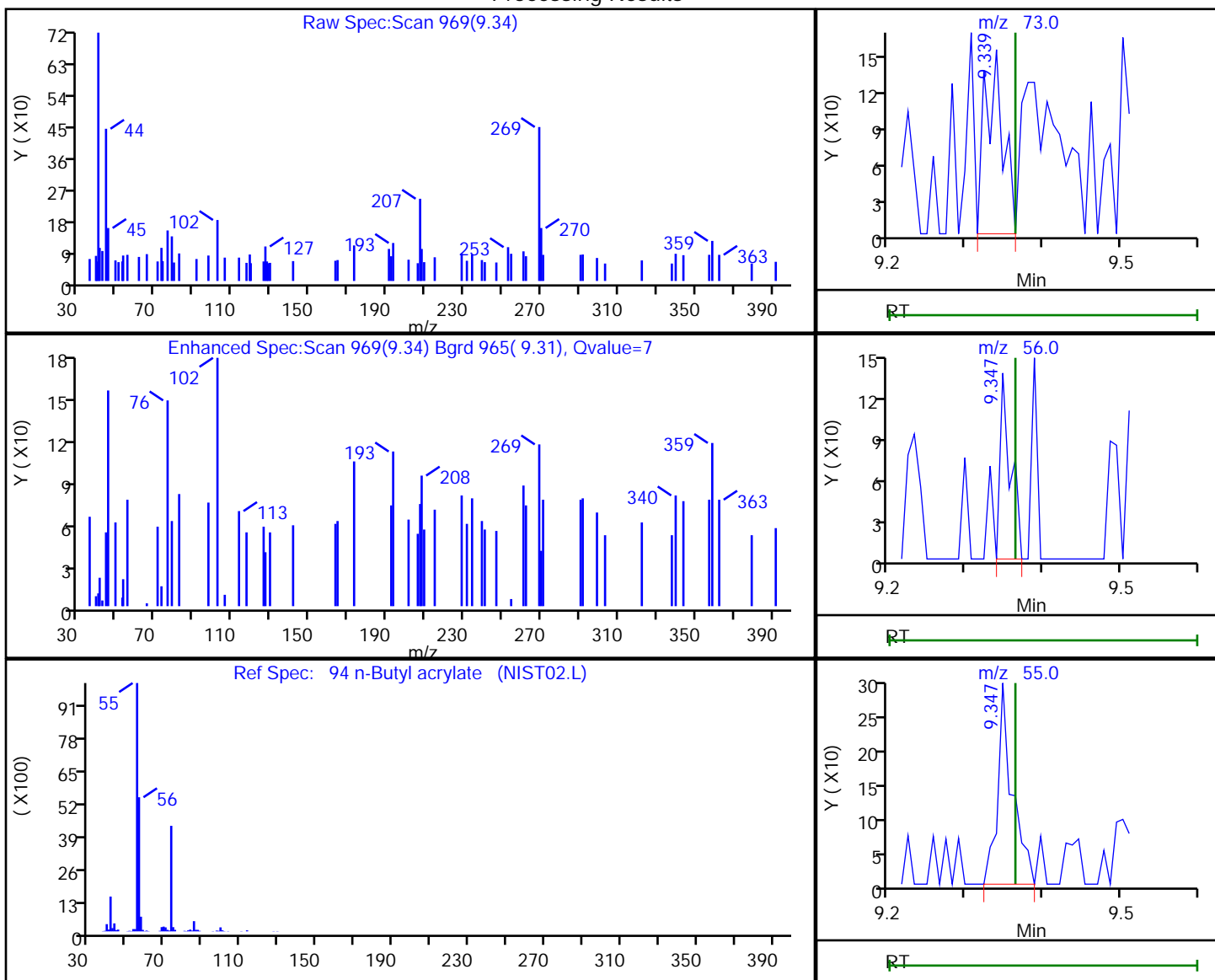
Limit Group: VOA - 8260D Water and Solid

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	244	0.096375
9.35	56.00	127	
9.35	55.00	396	

Reviewer: kluseys, 05-Jan-2021 19:53:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

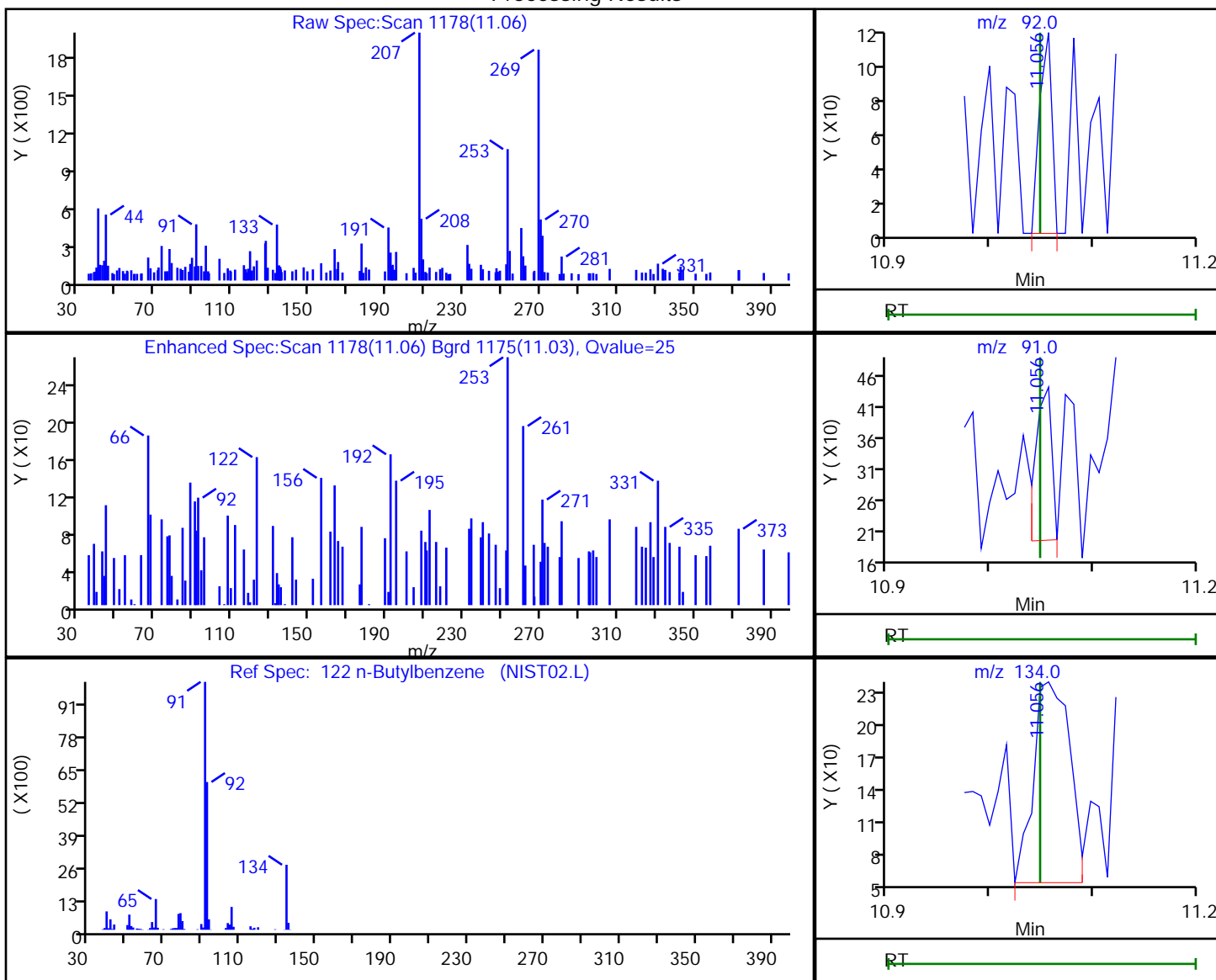
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

122 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.06	92.00	95	0.011781
11.06	91.00	276	
11.06	134.00	457	

Reviewer: kluseys, 05-Jan-2021 19:54:29

Audit Action: Marked Compound Undetected

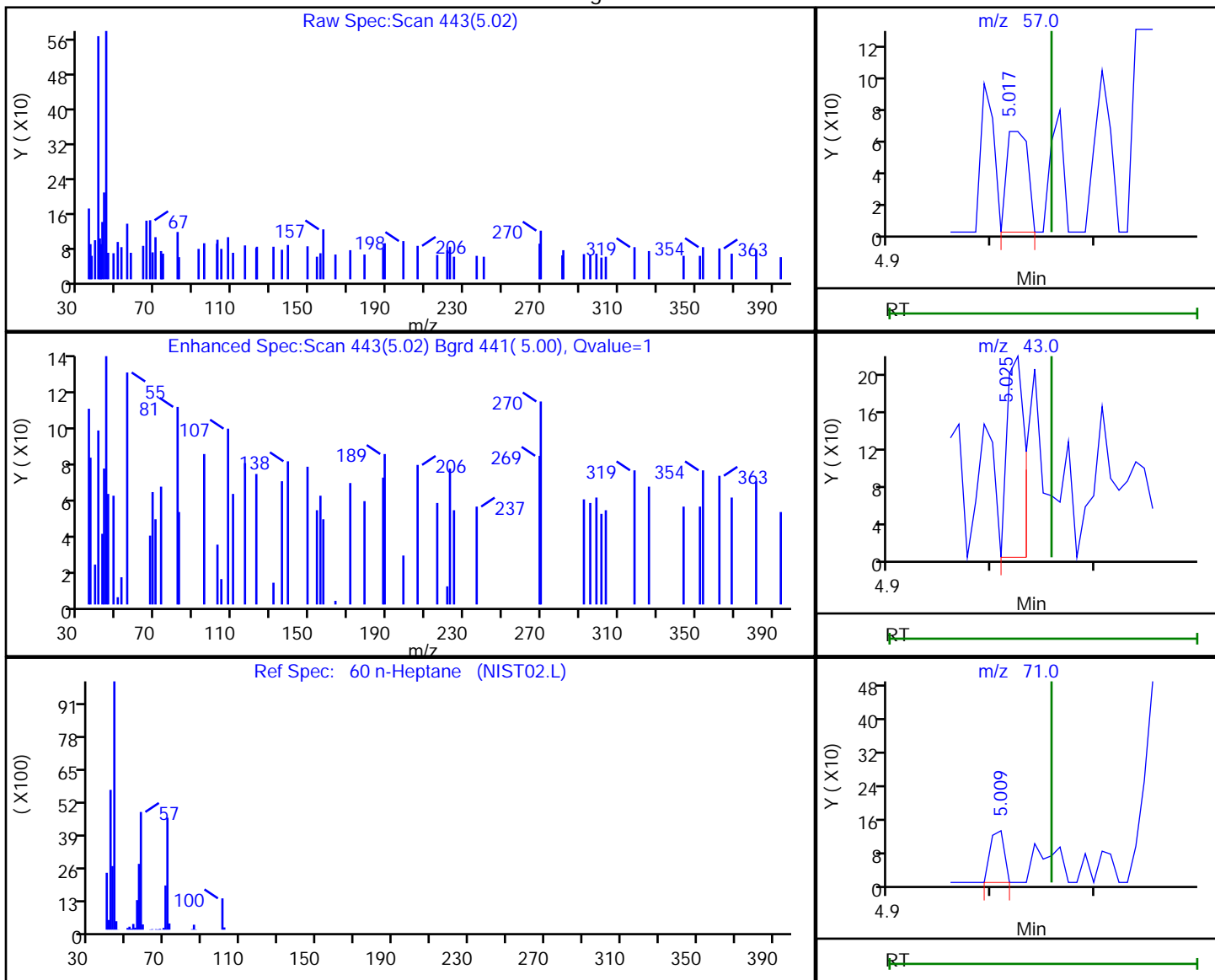
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
5.02	57.00	87	0.036717
5.03	43.00	263	
5.01	71.00	117	

Reviewer: kluseys, 05-Jan-2021 19:53:04

Audit Action: Marked Compound Undetected

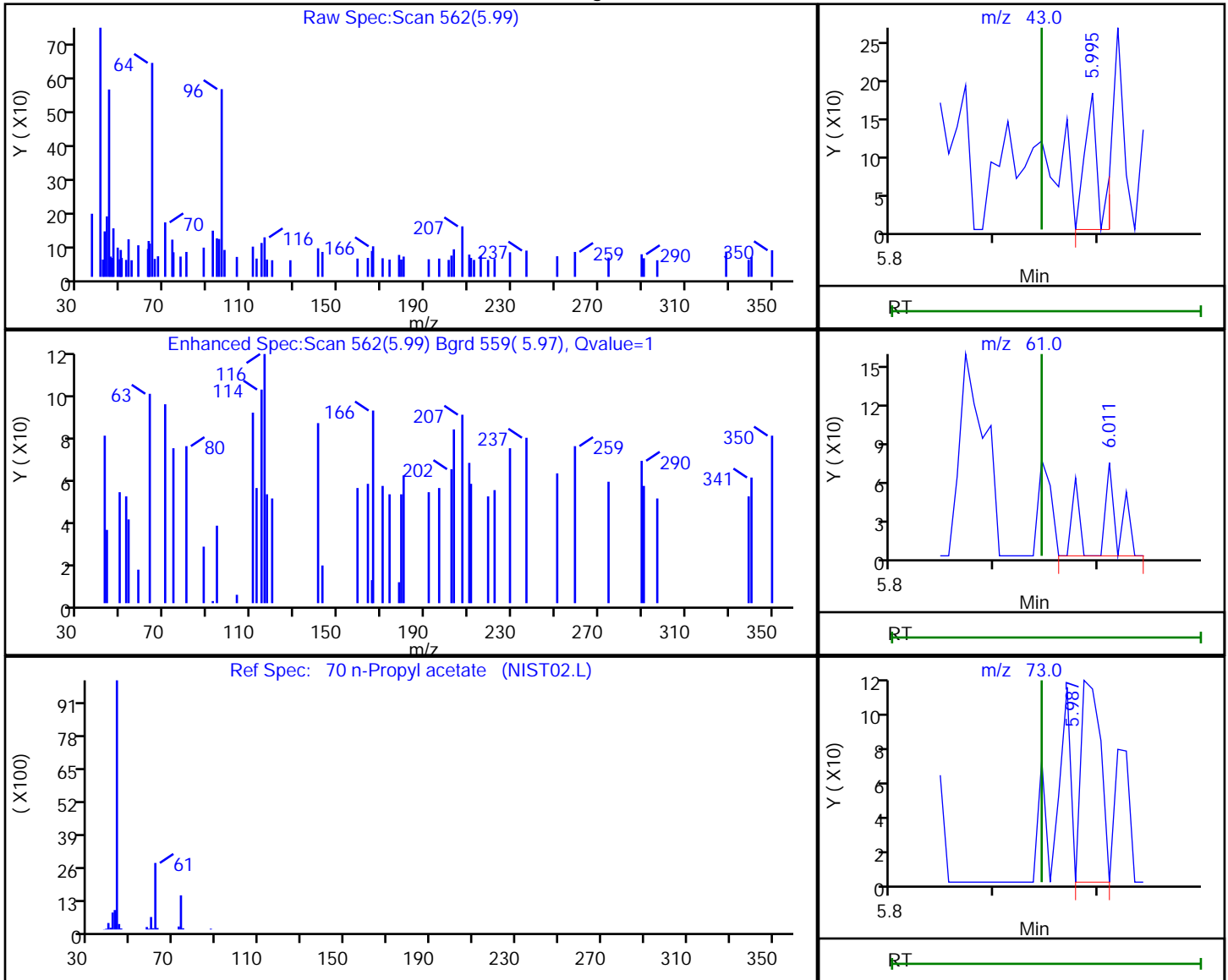
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 n-Propyl acetate, CAS: 109-60-4

Processing Results



RT	Mass	Response	Amount
5.99	43.00	173	0.041689
6.01	61.00	91	
5.99	73.00	153	

Reviewer: kluseys, 05-Jan-2021 19:53:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

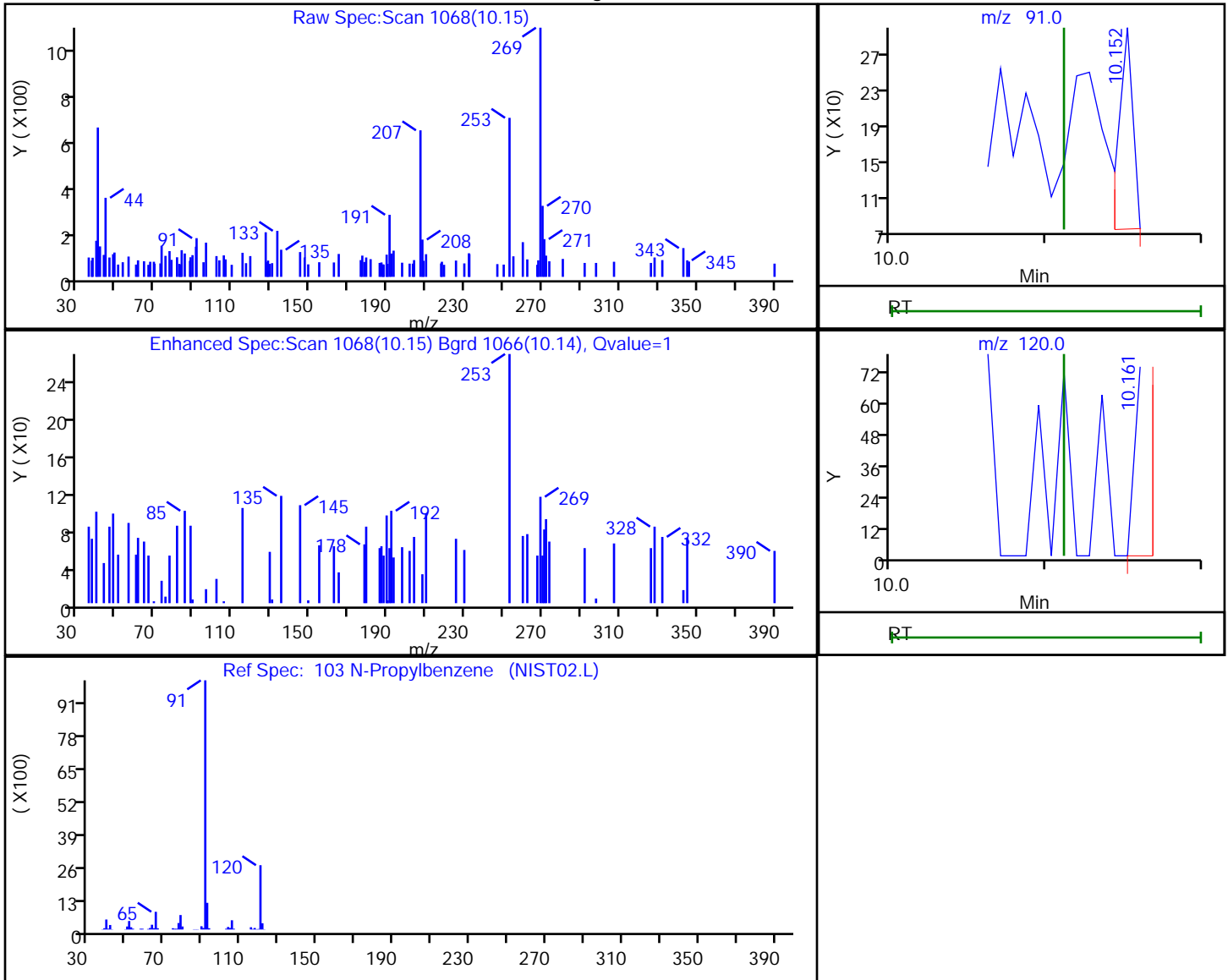


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
10.15	91.00	141	0.007771
10.16	120.00	36	

Reviewer: kluseys, 05-Jan-2021 19:54:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

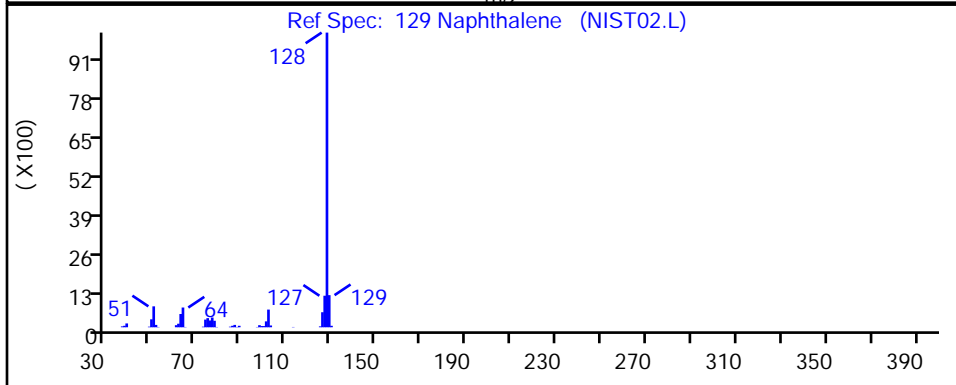
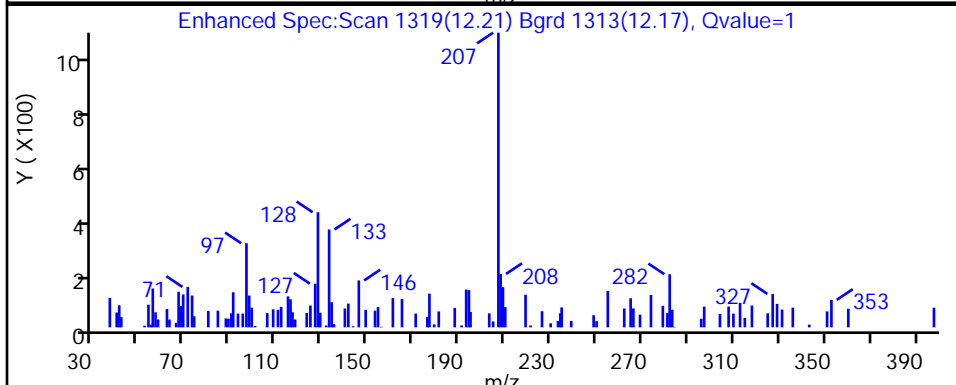
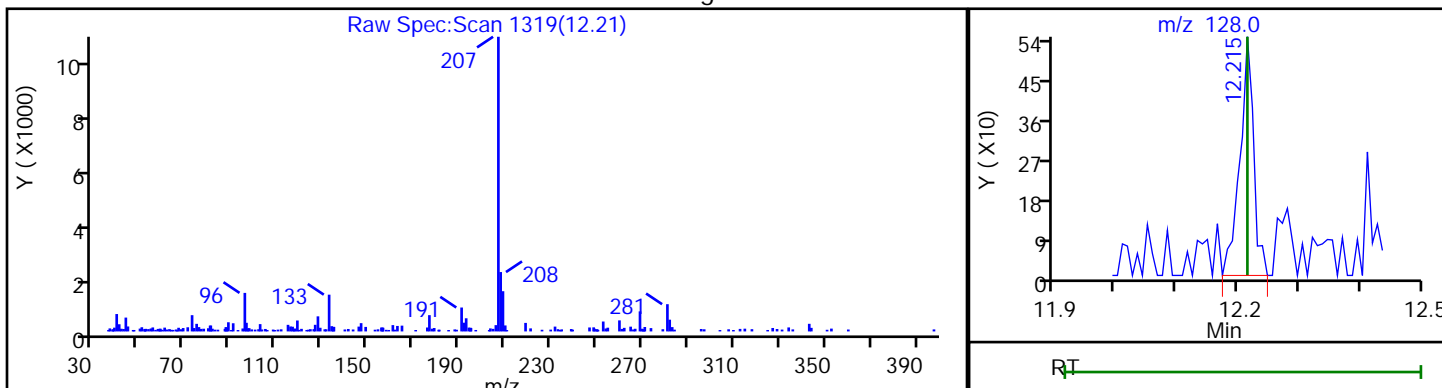
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

129 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
12.21	128.00	853	0.056174

Reviewer: kluseys, 05-Jan-2021 19:54:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfms\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

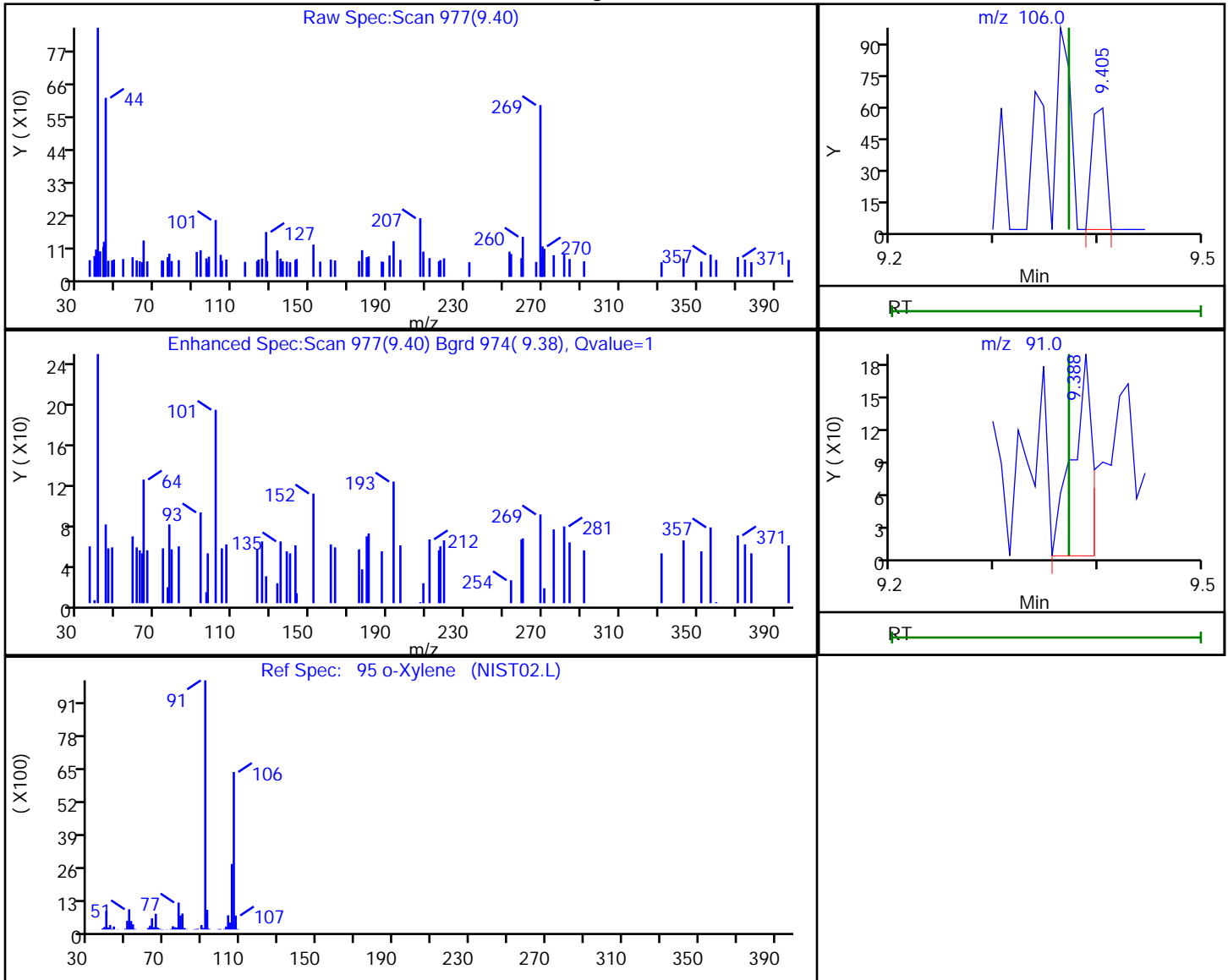
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

95 o-Xylene, CAS: 95-47-6

Processing Results



RT	Mass	Response	Amount
9.40	106.00	57	0.009987
9.39	91.00	243	

Reviewer: kluseys, 05-Jan-2021 19:53:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

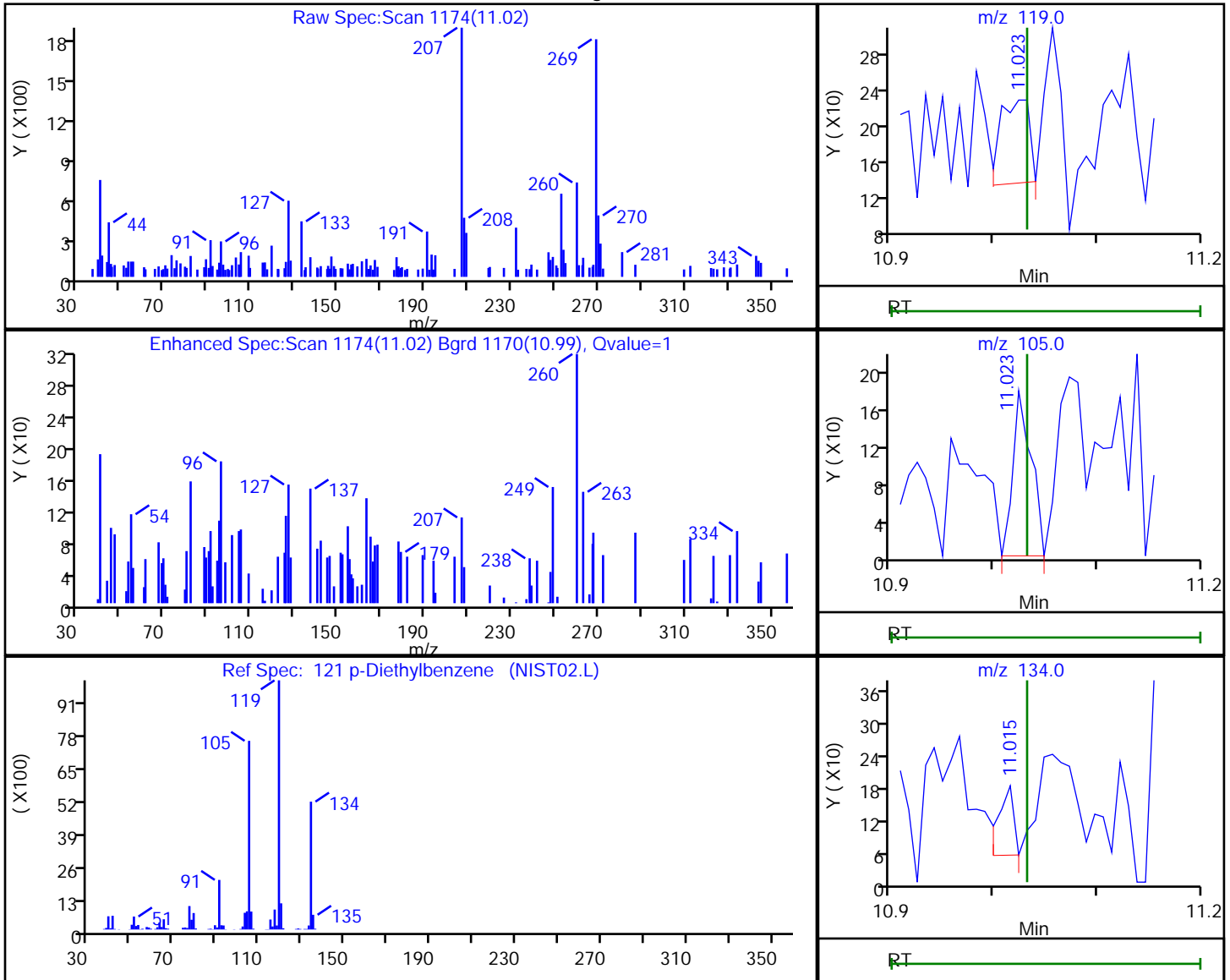
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

121 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
11.02	119.00	180	0.022941
11.02	105.00	222	
11.02	134.00	131	

Reviewer: kluseys, 05-Jan-2021 19:54:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

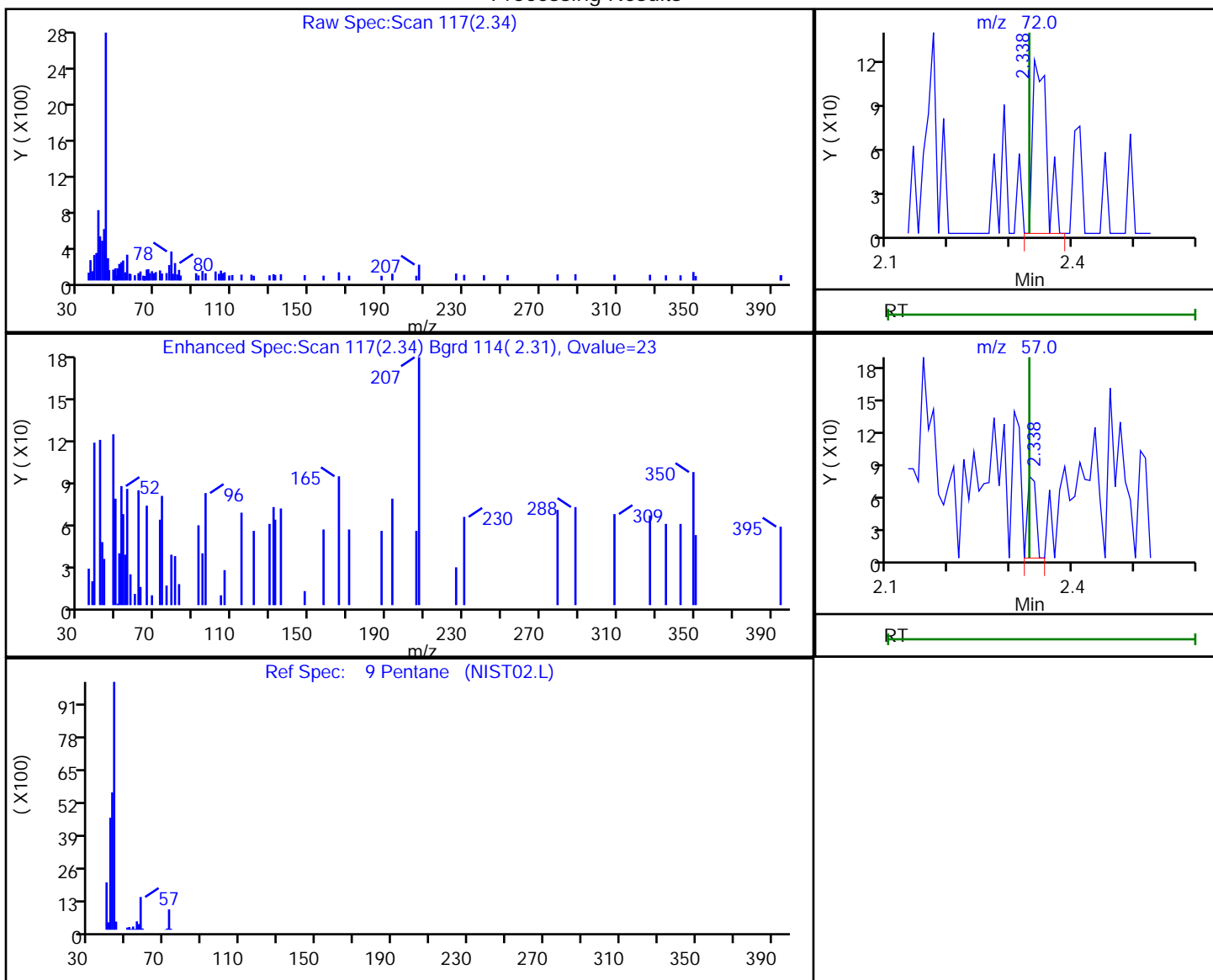
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

9 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.34	72.00	180	0.200752
2.34	57.00	73	

Reviewer: kluseys, 05-Jan-2021 19:50:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

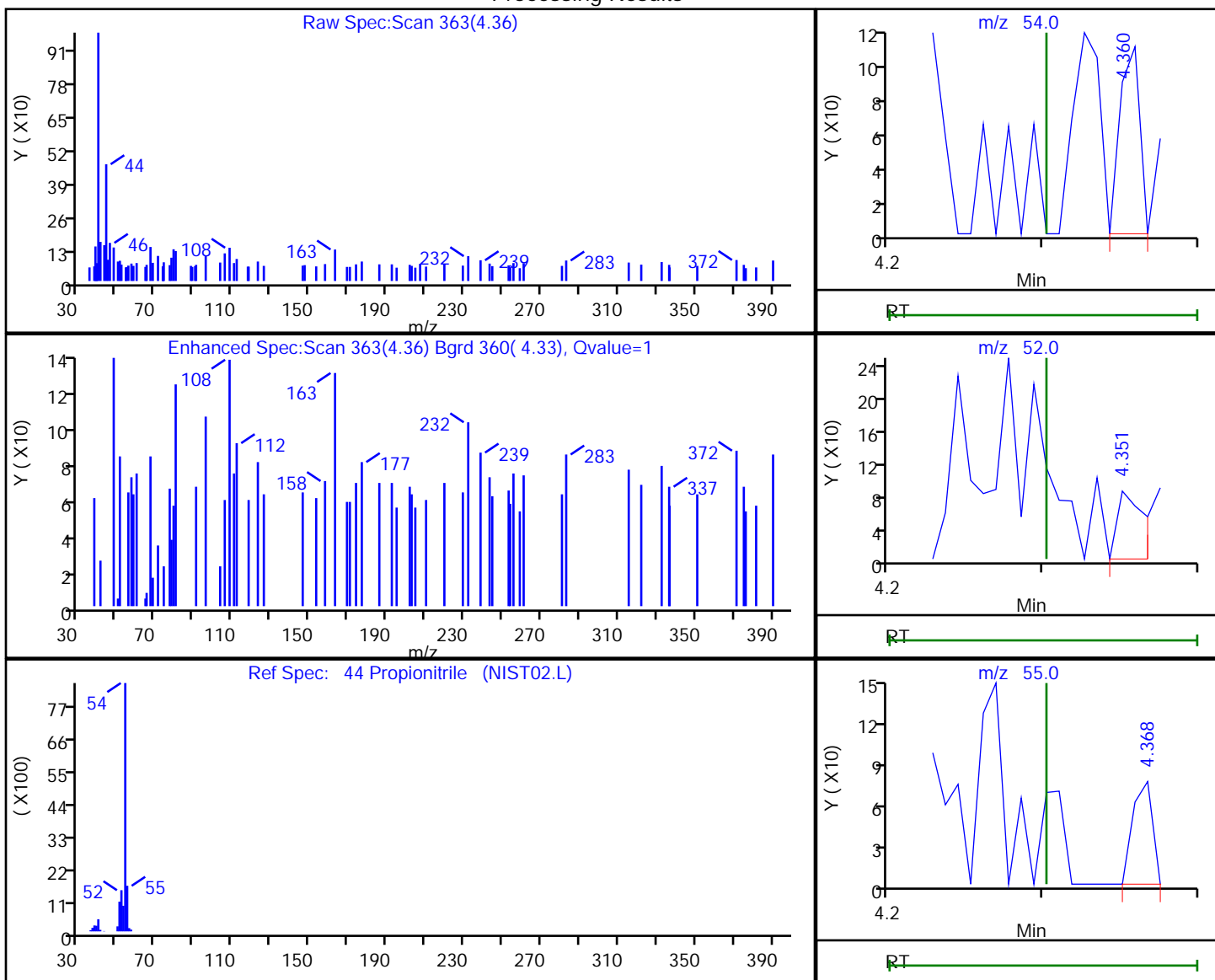
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

44 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.36	54.00	95	0.214962
4.35	52.00	97	
4.37	55.00	67	

Reviewer: kluseys, 05-Jan-2021 19:52:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

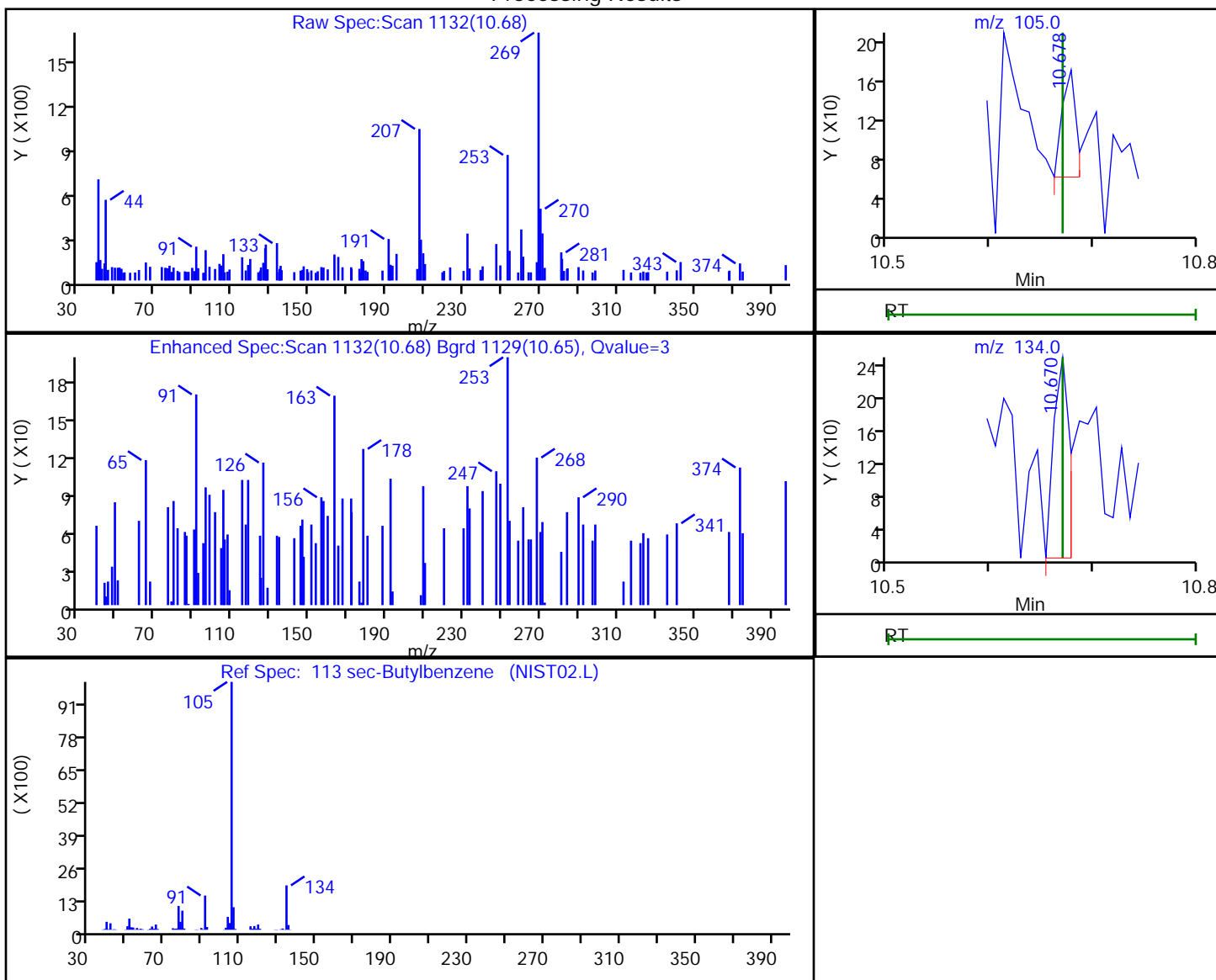
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

113 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
10.68	105.00	106	0.006452
10.67	134.00	272	

Reviewer: kluseys, 05-Jan-2021 19:54:19

Audit Action: Marked Compound Undetected

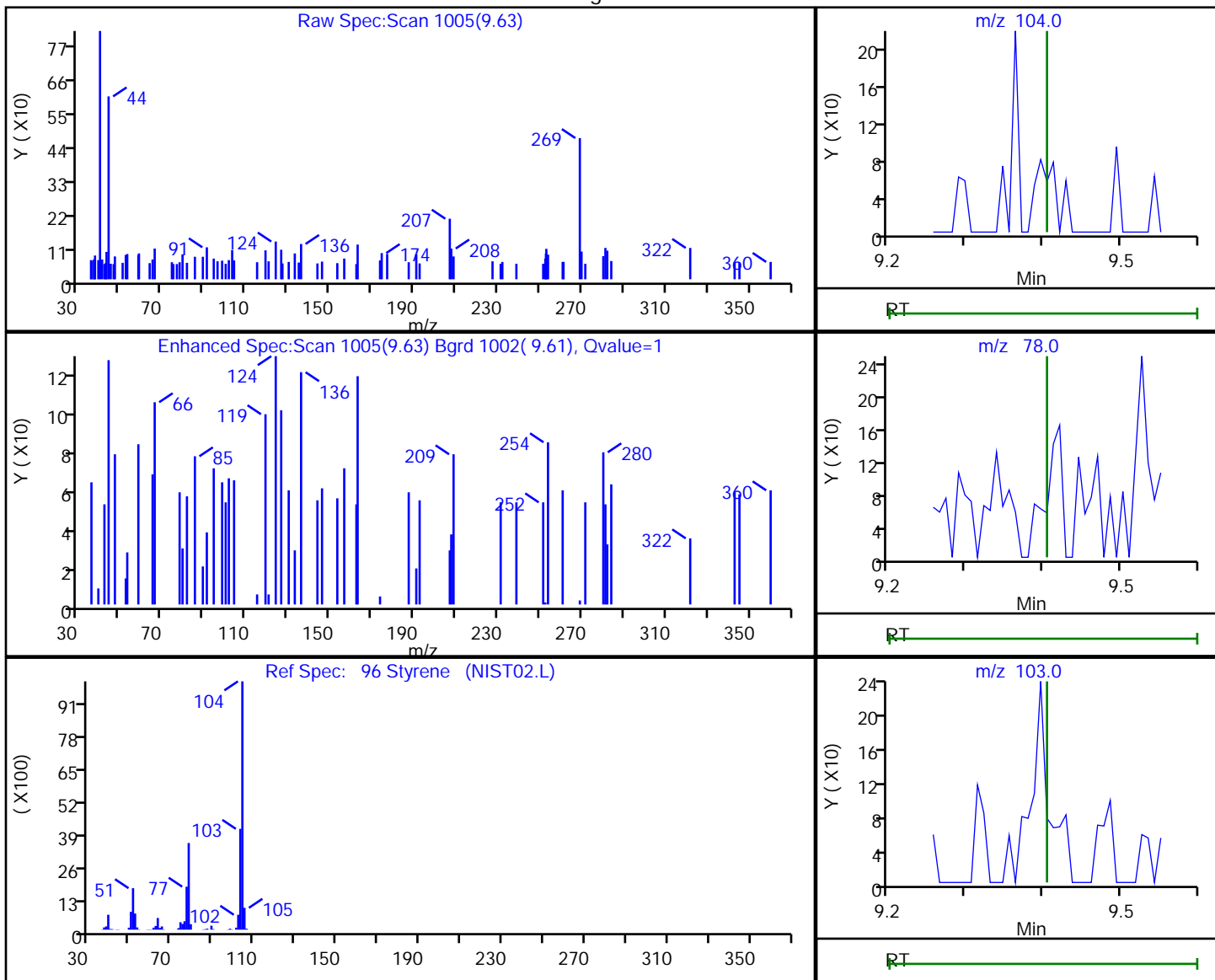
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
9.63	104.00	57	0.006609
9.64	78.00	100	
9.63	103.00	103	

Reviewer: kluseys, 05-Jan-2021 19:53:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

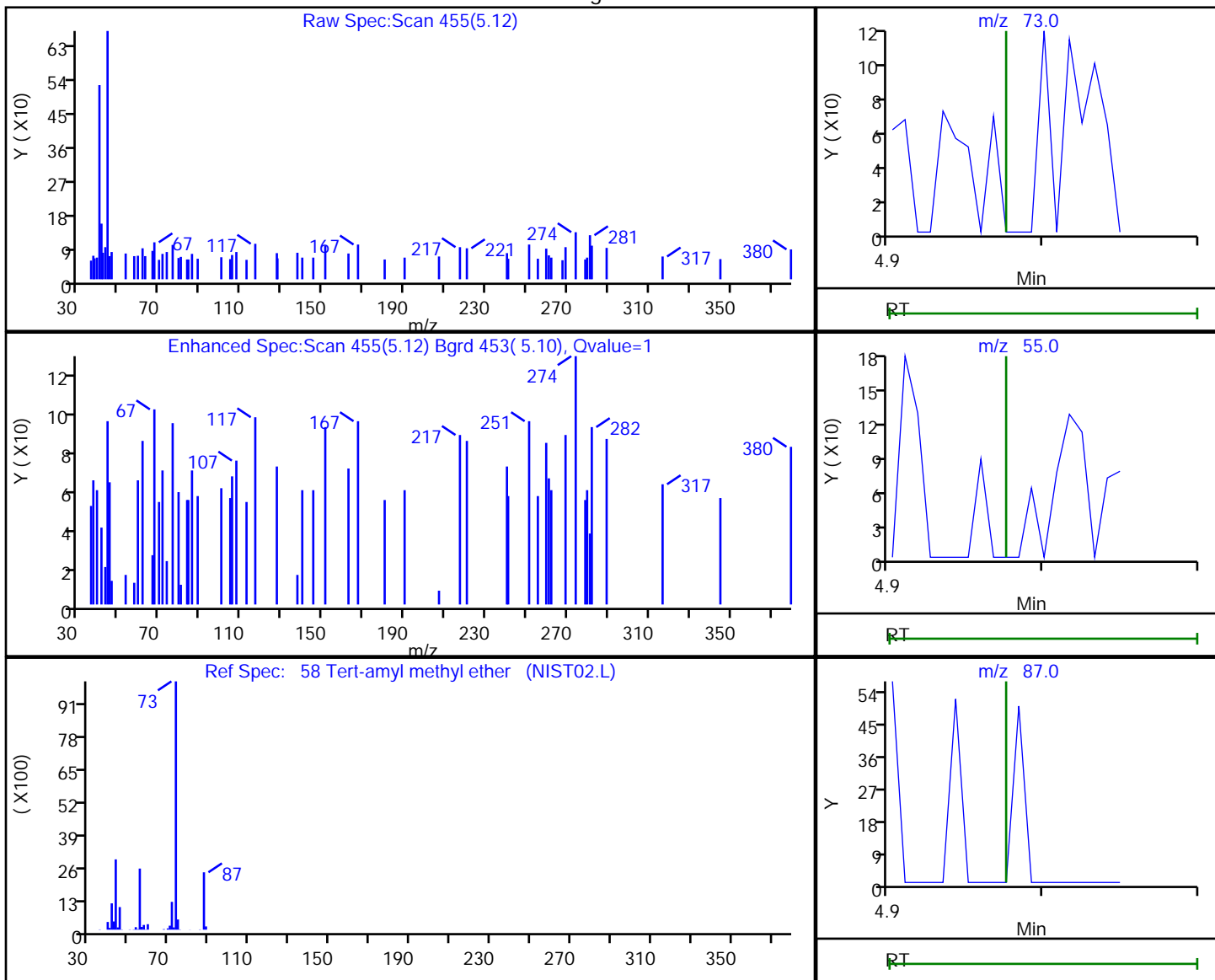


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
5.12	73.00	69	0.006094
5.13	55.00	69	
5.13	87.00	28	

Reviewer: kluseys, 05-Jan-2021 19:52:59  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

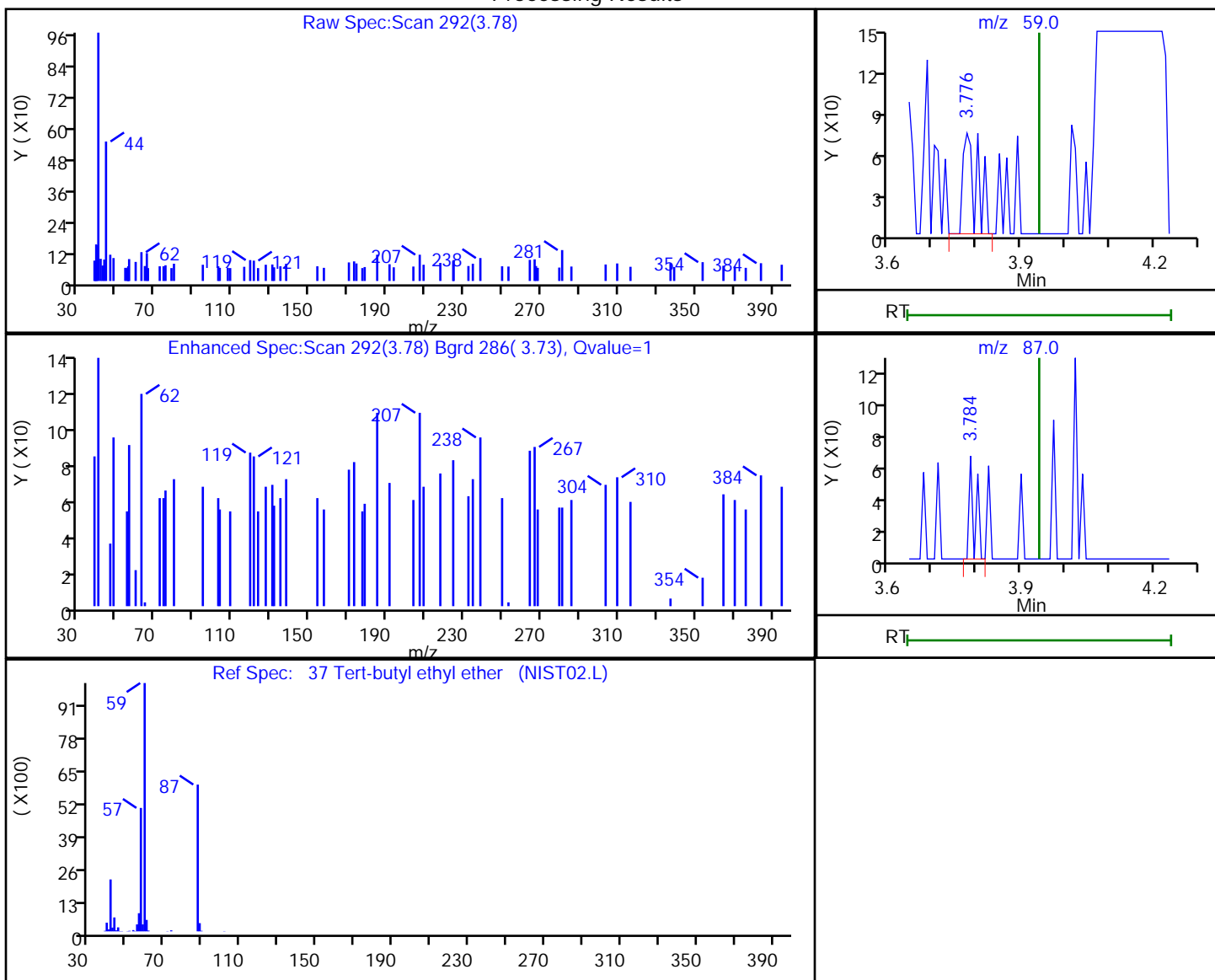
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

37 Tert-butyl ethyl ether, CAS: 637-92-3

Processing Results



RT	Mass	Response	Amount
3.78	59.00	162	0.016560
3.78	87.00	57	

Reviewer: kluseys, 05-Jan-2021 19:52:25

Audit Action: Marked Compound Undetected

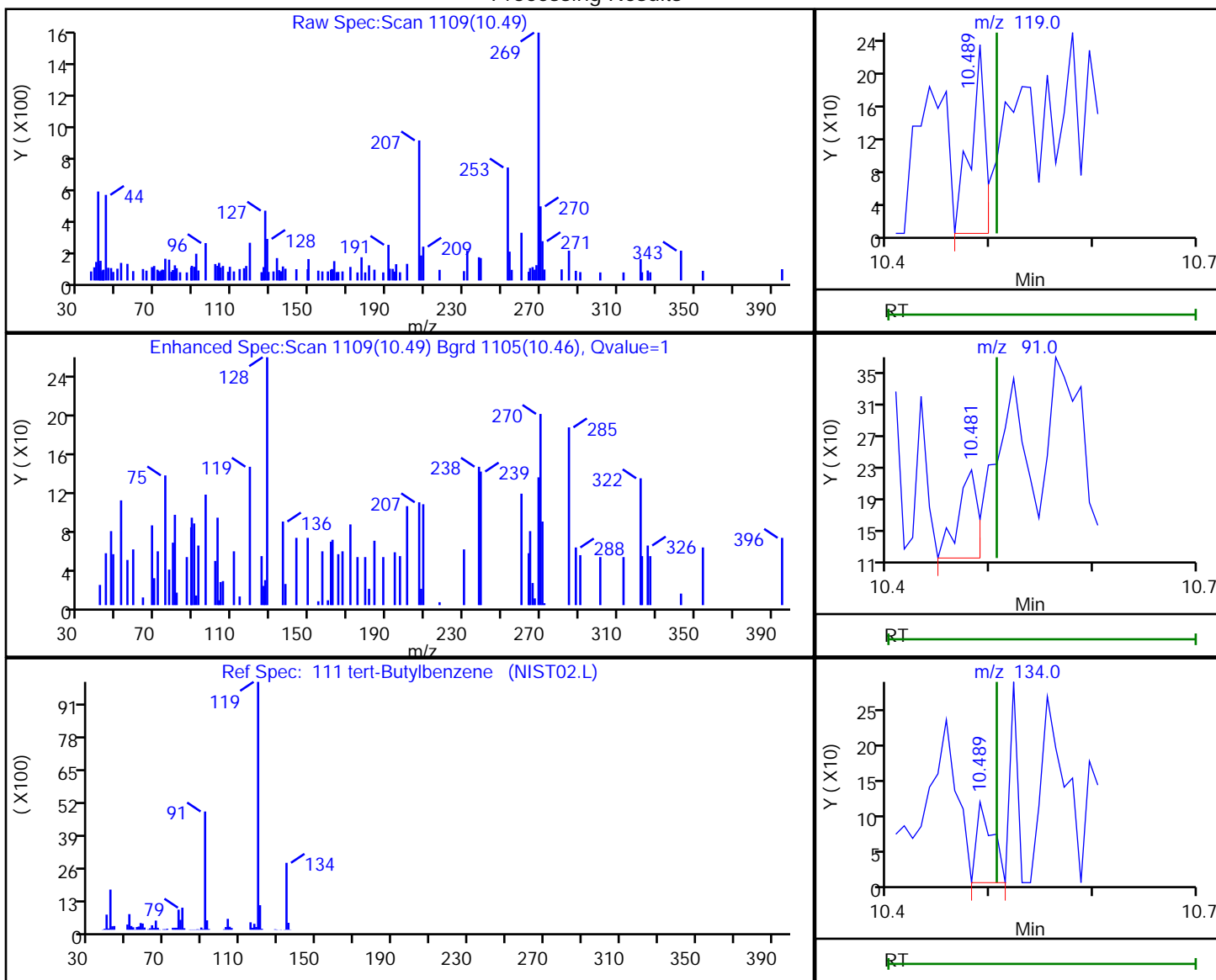
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
10.49	119.00	235	0.024162
10.48	91.00	146	
10.49	134.00	124	

Reviewer: kluseys, 05-Jan-2021 19:54:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

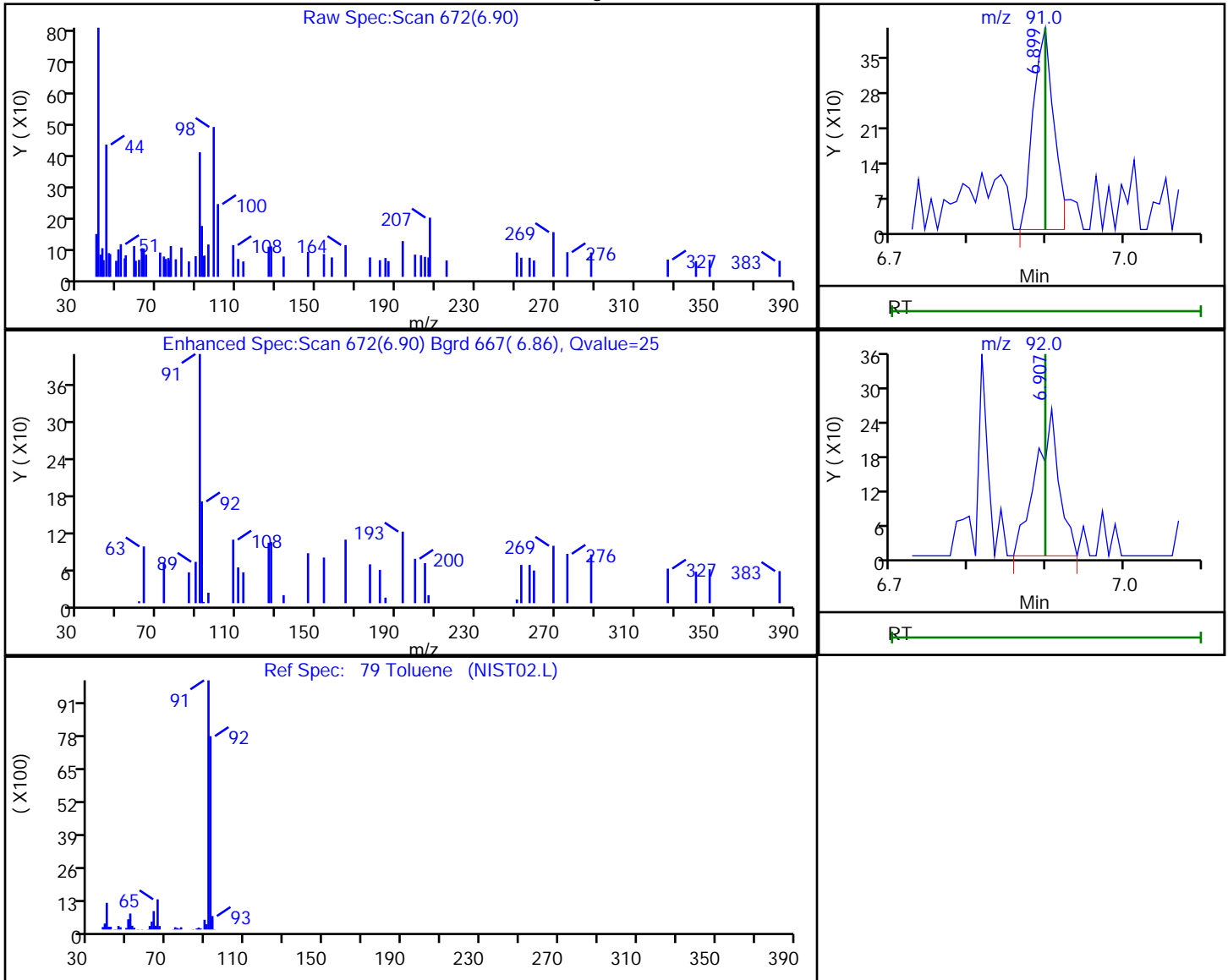
Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

79 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.90	91.00	742	0.060847
6.91	92.00	541	

Reviewer: kluseys, 05-Jan-2021 19:53:40

Audit Action: Marked Compound Undetected

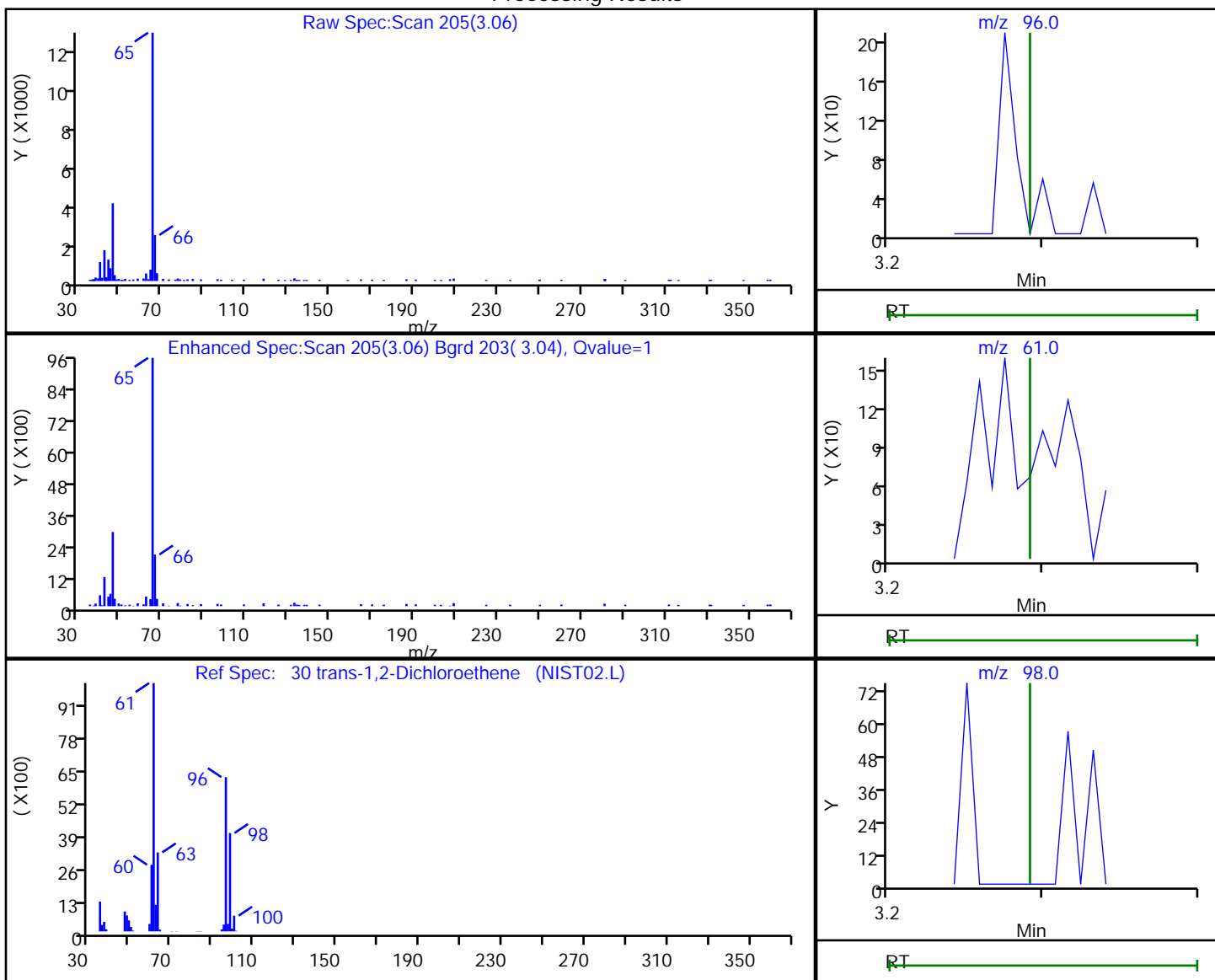
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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
3.06	96.00	43	0.012859
3.06	61.00	172	
3.07	98.00	63	

Reviewer: kluseys, 05-Jan-2021 19:52:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D

Injection Date: 05-Jan-2021 16:09:30

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

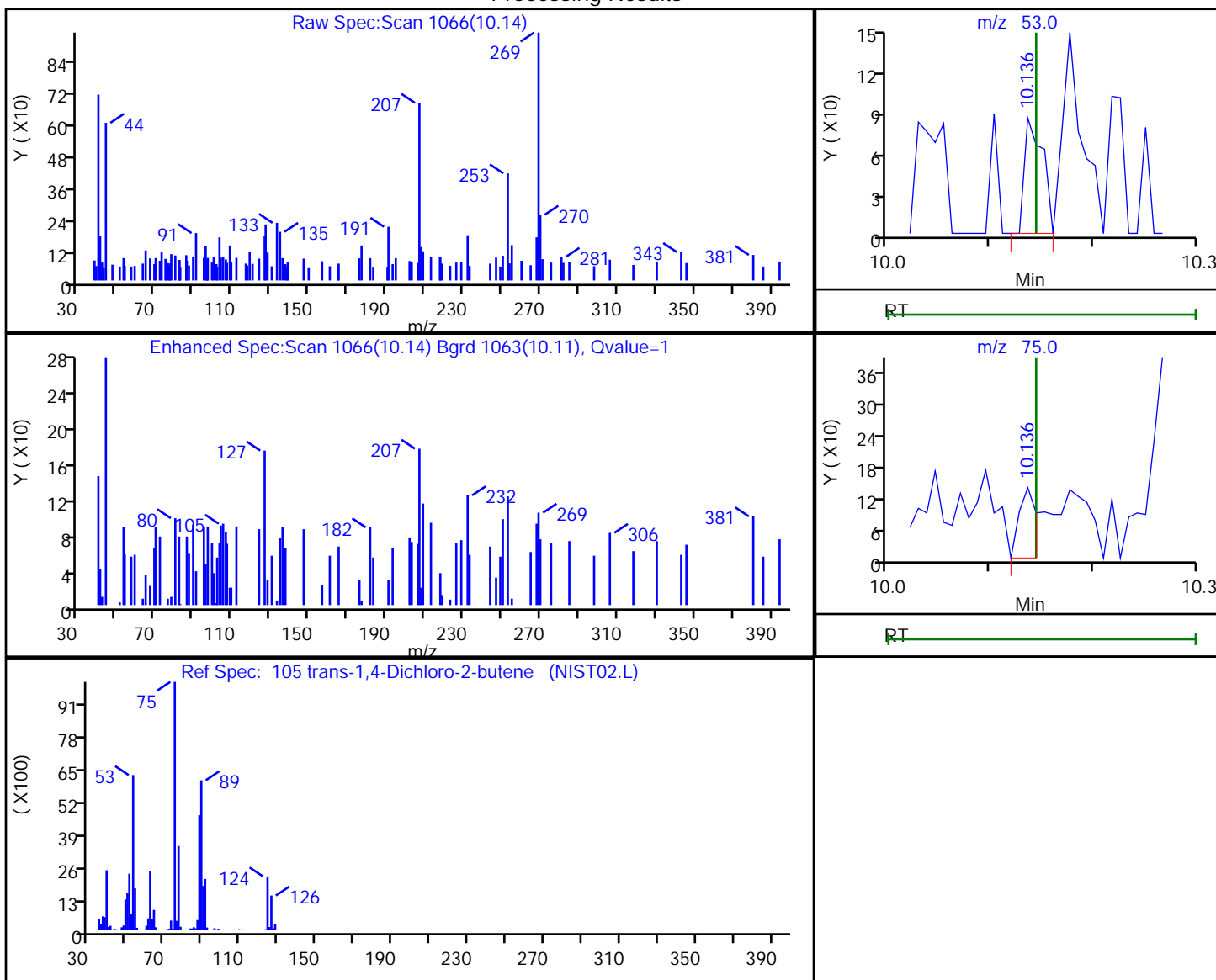
Limit Group: VOA - 8260D Water and Solid

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
10.14	53.00	105	0.103081
10.14	75.00	154	

Reviewer: kluseys, 05-Jan-2021 19:54:09

Audit Action: Marked Compound Undetected

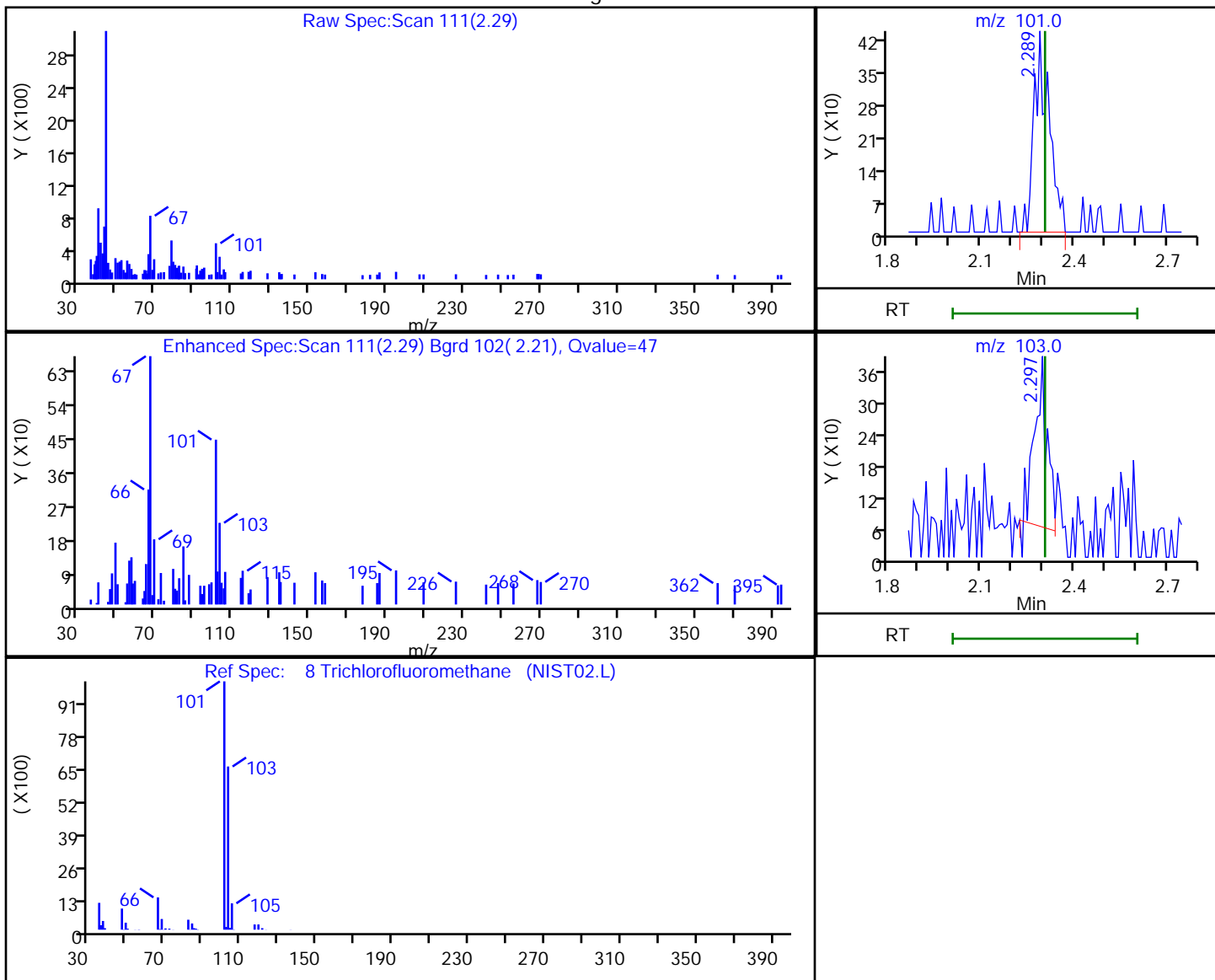
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
 Injection Date: 05-Jan-2021 16:09:30 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 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.29	101.00	1482	0.292278
2.30	103.00	903	

Reviewer: kluseys, 05-Jan-2021 19:50:23

Audit Action: Marked Compound Undetected

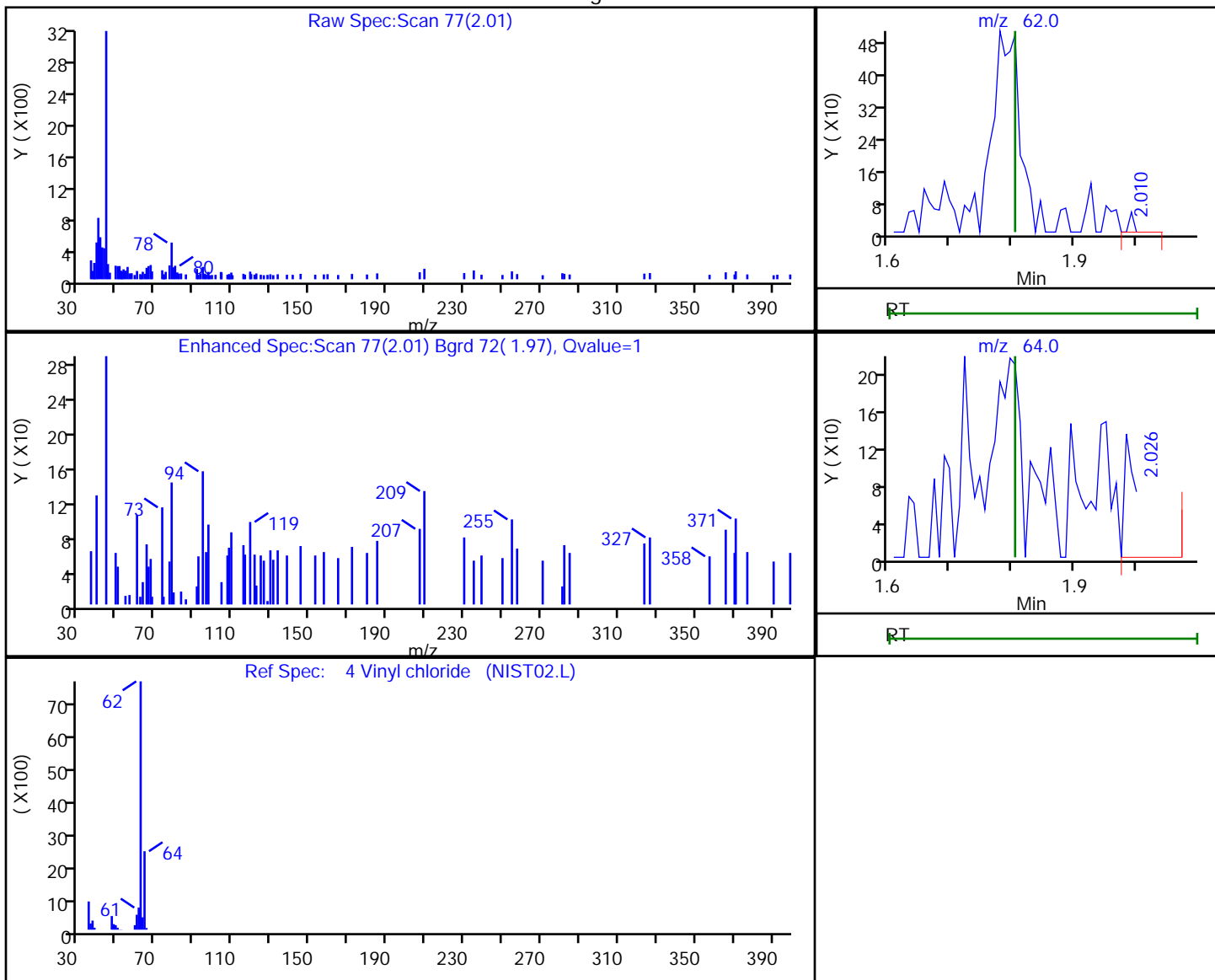
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09449.D  
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 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

4 Vinyl chloride, CAS: 75-01-4

Processing Results



Reviewer: kluseys, 05-Jan-2021 19:50:05  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
 Lims ID: STD1  
 Client ID:  
 Sample Type: IC Calib Level: 1  
 Inject. Date: 05-Jan-2021 16:33:30 ALS Bottle#: 3 Worklist Smp#: 4  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD1  
 Misc. Info.: 460-0122504-004  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:22:05 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 05-Jan-2021 19:56:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.550	1.566	-0.016	55	3439	1.00	0.8243	
2 Chloromethane	50	1.714	1.730	-0.016	98	5734	1.00	1.08	
4 Vinyl chloride	62	1.780	1.804	-0.024	97	5068	1.00	1.05	
3 Butadiene	54	1.788	1.812	-0.024	69	3575	1.00	0.8571	
5 Bromomethane	94	2.059	2.075	-0.016	94	3777	1.00	1.16	
6 Chloroethane	64	2.125	2.133	-0.008	98	3448	1.00	1.15	
7 Dichlorofluoromethane	67	2.281	2.289	-0.008	95	6394	1.00	1.01	
8 Trichlorofluoromethane	101	2.297	2.305	-0.008	72	4609	1.00	1.02	
9 Pentane	72	2.306	2.330	-0.024	94	1562	2.00	2.24	
10 Ethyl ether	59	2.486	2.494	-0.008	97	3418	1.00	1.22	
11 Ethanol	46	2.519	2.494	0.025	65	693	40.0	42.8	M
12 2-Methyl-1,3-butadiene	53	2.511	2.519	-0.008	95	2524	1.00	0.8827	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.560	2.560	0.000	73	3588	1.00	1.23	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.601	2.609	-0.008	80	5453	1.00	1.17	
15 Acrolein	56	2.651	2.659	-0.008	32	677	4.00	4.01	M
16 112TCTFE	101	2.683	2.683	0.000	56	2764	1.00	1.04	
17 1,1-Dichloroethene	96	2.692	2.708	-0.016	97	3422	1.00	1.21	
18 Acetone	43	2.790	2.782	0.008	89	5459	5.00	5.72	M
19 Iodomethane	142	2.840	2.856	-0.016	96	4734	1.00	1.04	
20 Isopropyl alcohol	45	2.864	2.872	-0.008	40	1739	10.0	12.0	M
21 Carbon disulfide	76	2.864	2.880	-0.016	98	12057	1.00	1.17	
22 3-Chloro-1-propene	41	2.979	2.995	-0.016	95	6117	1.00	0.99	
23 Methyl acetate	43	2.996	2.995	0.001	76	4560	2.00	2.05	a
24 Cyclopentene	67	3.004	3.012	-0.008	93	6748	1.00	0.9300	
25 Acetonitrile	41	3.070	3.086	-0.016	2	4338	10.0	11.0	a
26 Methylene Chloride	84	3.111	3.119	-0.008	31	4019	1.00	1.17	
* 27 TBA-d9 (IS)	65	3.119	3.119	0.000	0	327400	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.185	3.201	-0.016	28	2894	10.0	9.14	a
29 Methyl tert-butyl ether	73	3.259	3.267	-0.008	94	9749	1.00	1.12	
30 trans-1,2-Dichloroethene	96	3.275	3.291	-0.016	94	3589	1.00	1.17	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.349	3.357	-0.008	89	13027	10.0	9.86	
32 Hexane	43	3.423	3.431	-0.008	92	3347	1.00	1.32	
33 Isopropyl ether	45	3.637	3.636	0.001	85	9181	1.00	0.9682	
34 1,1-Dichloroethane	63	3.653	3.661	-0.008	70	5290	1.00	1.02	
35 Vinyl acetate	86	3.661	3.669	-0.008	100	1521	2.00	2.37	
36 2-Chloro-1,3-butadiene	88	3.694	3.702	-0.008	91	2600	1.00	1.06	
37 Tert-butyl ethyl ether	59	3.932	3.940	-0.008	90	9189	1.00	1.03	
* 38 2-Butanone-d5	46	4.113	4.113	0.000	0	327824	250.0	250.0	
39 2,2-Dichloropropane	97	4.146	4.146	0.000	55	921	1.00	0.9325	
40 cis-1,2-Dichloroethene	96	4.154	4.162	-0.008	96	3378	1.00	1.06	
42 2-Butanone (MEK)	72	4.171	4.171	0.001	68	1881	5.00	5.43	
41 Ethyl acetate	70	4.171	4.171	0.001	25	407	2.00	1.48	
43 Methyl acrylate	55	4.220	4.228	-0.008	95	1930	1.00	0.8531	
44 Propionitrile	54	4.310	4.302	0.008	91	4093	10.0	8.55	
45 Chlorobromomethane	128	4.368	4.376	-0.008	94	1660	1.00	1.06	
46 Tetrahydrofuran	72	4.384	4.384	0.000	60	959	2.00	2.30	
47 Methacrylonitrile	67	4.393	4.392	0.001	92	11675	10.0	9.43	
48 Chloroform	83	4.425	4.425	0.000	96	5129	1.00	1.09	
49 Cyclohexane	84	4.557	4.565	-0.008	32	4739	1.00	0.9868	M
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	97	152706	50.0	50.4	
50 1,1,1-Trichloroethane	97	4.565	4.581	-0.016	36	4460	1.00	1.06	
52 Carbon tetrachloride	117	4.688	4.688	0.000	87	3351	1.00	1.04	
53 1,1-Dichloropropene	75	4.713	4.713	0.000	92	3824	1.00	1.08	
54 Isobutyl alcohol	43	4.877	4.877	0.000	38	3552	25.0	19.0	Ma
55 Benzene	78	4.894	4.902	-0.008	48	11697	1.00	1.06	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.918	-0.008	0	172676	50.0	48.7	
57 Isopropyl acetate	43	4.968	4.959	0.009	87	8783	1.00	0.9400	
58 Tert-amyl methyl ether	73	4.968	4.976	-0.008	76	10120	1.00	0.9758	a
59 1,2-Dichloroethane	62	4.984	4.992	-0.008	39	3453	1.00	1.02	
60 n-Heptane	57	5.058	5.058	0.000	82	2055	1.00	0.9469	
* 61 Fluorobenzene	96	5.181	5.181	0.000	99	560352	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	62	1676	25.0	31.3	
63 Trichloroethene	95	5.527	5.526	0.001	95	2548	1.00	1.03	
64 Ethyl acrylate	55	5.650	5.650	0.000	94	6717	1.00	0.9544	
65 Methylcyclohexane	83	5.650	5.658	-0.008	82	4725	1.00	0.9027	
66 1,2-Dichloropropane	63	5.806	5.814	-0.008	82	2637	1.00	0.9670	
* 67 1,4-Dioxane-d8	96	5.863	5.871	-0.008	0	32247	1000.0	1000.0	
68 Methyl methacrylate	100	5.896	5.888	0.008	88	1359	2.00	1.92	
71 1,4-Dioxane	88	5.921	5.921	0.000	27	1281	50.0	52.0	Ma
69 Dibromomethane	93	5.937	5.937	0.000	77	2050	1.00	1.21	
70 n-Propyl acetate	43	5.946	5.945	0.001	94	3634	1.00	0.9561	
72 Dichlorobromomethane	83	6.085	6.085	0.000	96	3334	1.00	1.02	
74 2-Nitropropane	41	6.406	6.414	-0.008	82	1851	2.00	2.53	
73 2-Chloroethyl vinyl ether	63	6.414	6.422	-0.008	73	1601	1.00	1.04	
75 Epichlorohydrin	57	6.521	6.521	0.000	97	5228	20.0	20.1	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	93	3881	1.00	0.9534	
77 4-Methyl-2-pentanone (MIBK)	43	6.751	6.742	0.009	96	13683	5.00	4.60	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	601838	50.0	50.4	
79 Toluene	91	6.899	6.899	0.000	92	12117	1.00	1.06	
80 trans-1,3-Dichloropropene	75	7.236	7.244	-0.008	91	3227	1.00	0.9173	
81 Ethyl methacrylate	69	7.277	7.277	0.001	82	3861	1.00	1.08	
82 1,1,2-Trichloroethane	83	7.458	7.457	0.001	90	1729	1.00	0.9051	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.507	7.498	0.009	92	2763	1.00	1.10	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	92	4172	1.00	1.04	
85 2-Hexanone	43	7.737	7.728	0.009	96	8703	5.00	4.81	
86 n-Butyl acetate	43	7.852	7.852	0.000	97	5026	1.00	1.11	
87 Chlorodibromomethane	129	7.893	7.893	0.000	95	2359	1.00	1.03	
88 Ethylene Dibromide	107	8.041	8.041	0.000	98	2689	1.00	1.15	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	87	406242	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	95	8022	1.00	1.10	
91 Ethylbenzene	106	8.731	8.731	0.000	99	4241	1.00	1.04	
92 1,1,1,2-Tetrachloroethane	131	8.748	8.747	0.001	92	2734	1.00	1.03	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	4953	1.00	1.01	
94 n-Butyl acrylate	73	9.364	9.364	0.000	75	2691	1.00	1.13	
95 o-Xylene	106	9.380	9.372	0.008	94	5625	1.00	1.05	
96 Styrene	104	9.405	9.405	0.000	98	7822	1.00	0.9679	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	91	5549	1.00	0.8835	
98 Bromoform	173	9.610	9.618	-0.008	54	1736	1.00	1.05	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	13559	1.00	0.9887	
\$ 100 4-Bromofluorobenzene	174	9.923	9.922	0.001	88	185228	50.0	51.4	
101 Bromobenzene	156	10.046	10.046	0.000	97	3410	1.00	1.03	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	90	3565	1.00	0.9352	
103 N-Propylbenzene	91	10.112	10.111	0.001	99	17161	1.00	1.00	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	96	1359	1.00	1.18	a
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	64	859	1.00	0.8956	
106 2-Chlorotoluene	91	10.202	10.202	0.000	96	11856	1.00	1.01	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	13638	1.00	0.9712	
108 1,3,5-Trimethylbenzene	105	10.268	10.267	0.001	93	10745	1.00	0.9072	
109 4-Chlorotoluene	91	10.301	10.300	0.001	97	10776	1.00	1.02	
110 Butyl Methacrylate	87	10.358	10.358	0.000	90	3488	1.00	0.8100	
111 tert-Butylbenzene	119	10.514	10.506	0.008	93	7644	1.00	0.8347	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	98	12122	1.00	0.9693	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	14065	1.00	0.9092	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	73	7123	1.00	1.05	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	12066	1.00	0.9063	a
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	252307	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	7457	1.00	1.07	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	96	11622	1.00	0.8708	
119 Benzyl chloride	91	10.941	10.941	0.000	97	6049	1.00	0.7929	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	94	12337	1.00	0.9417	
121 p-Diethylbenzene	119	11.032	11.032	0.000	92	7115	1.00	0.9631	
122 n-Butylbenzene	92	11.048	11.048	0.000	97	7347	1.00	0.9677	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	93	6427	1.00	0.9265	
124 1,2,4,5-Tetramethylbenzene	119	11.508	11.516	-0.008	98	12413	1.00	0.9354	
125 1,2-Dibromo-3-Chloropropane	157	11.574	11.582	-0.008	87	972	1.00	1.04	
126 1,3,5-Trichlorobenzene	180	11.665	11.664	0.001	95	5700	1.00	1.04	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	92	5285	1.00	1.00	
128 Hexachlorobutadiene	225	12.117	12.116	0.000	87	1806	1.00	0.9584	
129 Naphthalene	128	12.215	12.215	0.000	99	13948	1.00	0.9755	
130 1,2,3-Trichlorobenzene	180	12.371	12.371	0.000	93	5235	1.00	1.05	
S 131 1,2-Dichloroethene, Total	100				0		2.00	2.24	
S 132 Xylenes, Total	100				0		2.00	2.06	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

GASES Li_00401	Amount Added: 10.00	Units: uL	
ACROLEIN W_00118	Amount Added: 4.00	Units: uL	
524freon_00031	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00130	Amount Added: 10.00	Units: uL	
14DIOXINTER_00124	Amount Added: 30.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D

Injection Date: 05-Jan-2021 16:33:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD1

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

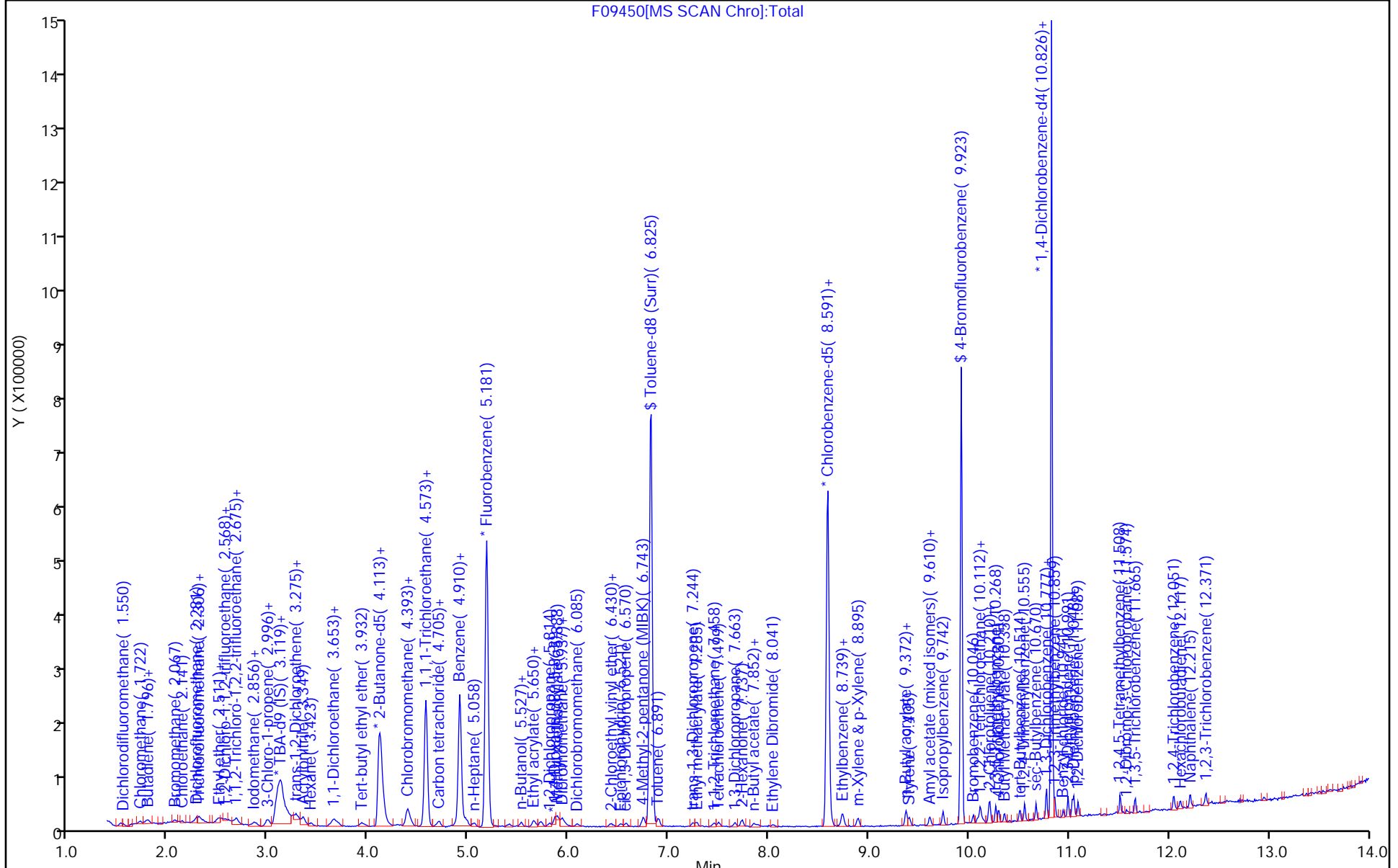
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)



F09450[MS SCAN Chro]:Total

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

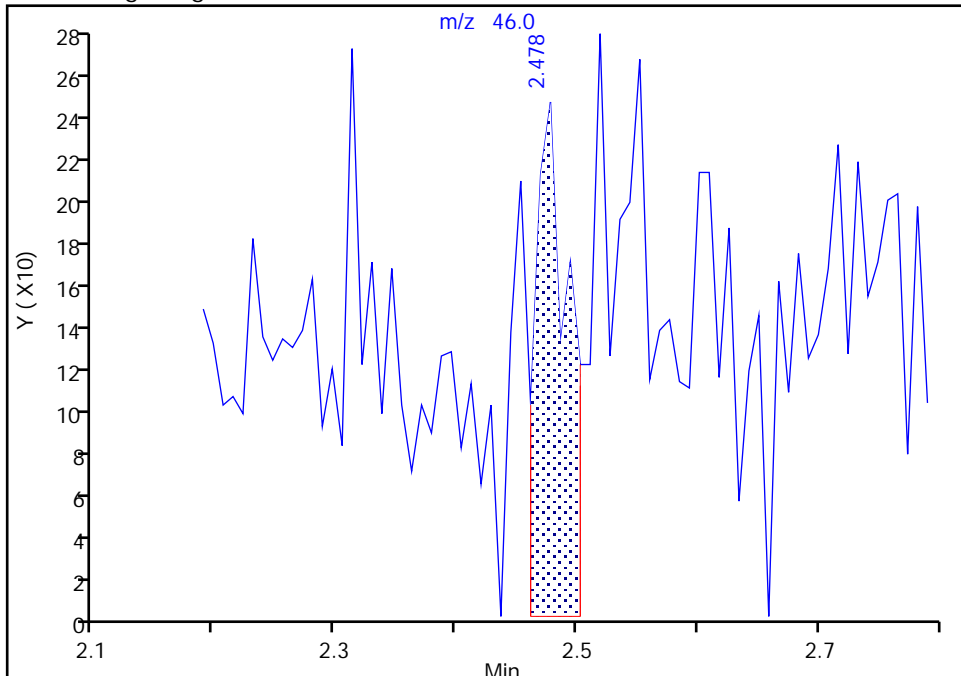
ALS Bottle#: 3 Worklist Smp#: 4  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

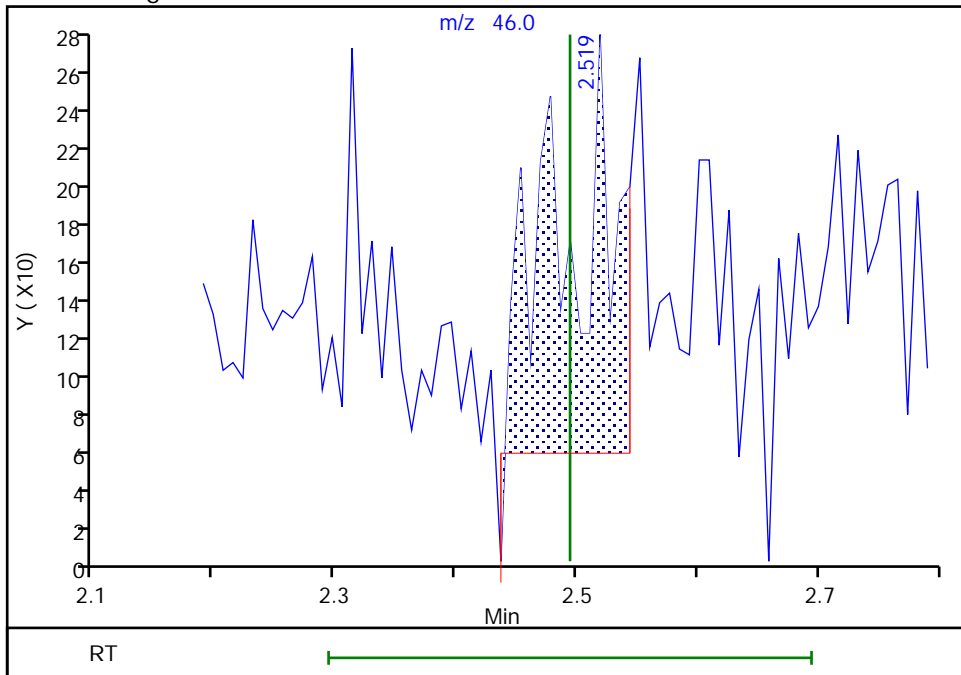
RT: 2.48  
Area: 473  
Amount: 30.939047  
Amount Units: ug/l

Processing Integration Results



RT: 2.52  
Area: 693  
Amount: 42.765130  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 08-Jan-2021 20:03:23  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

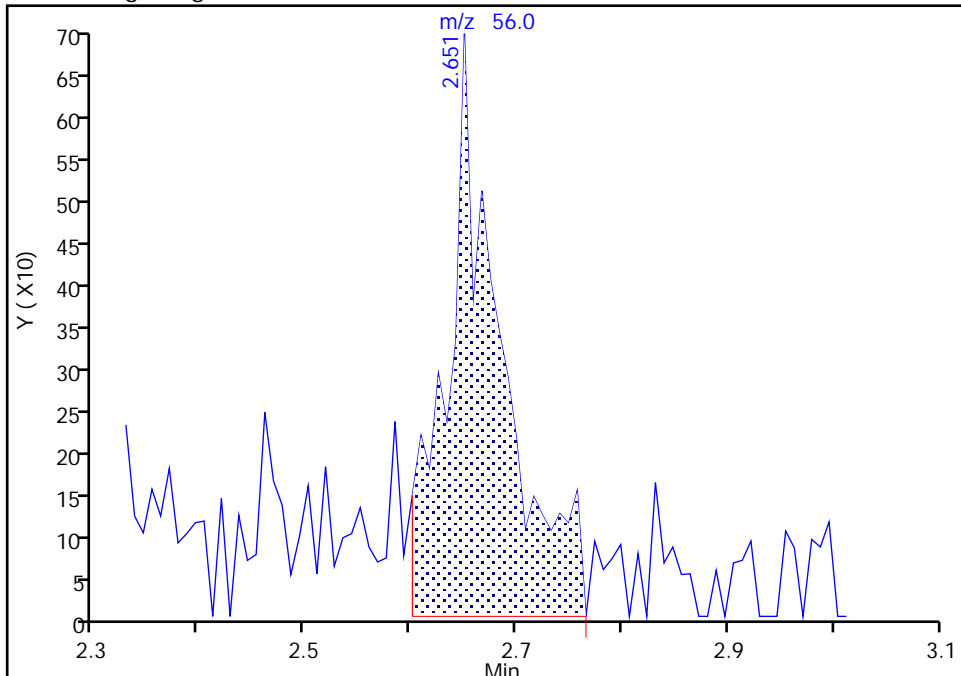
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Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

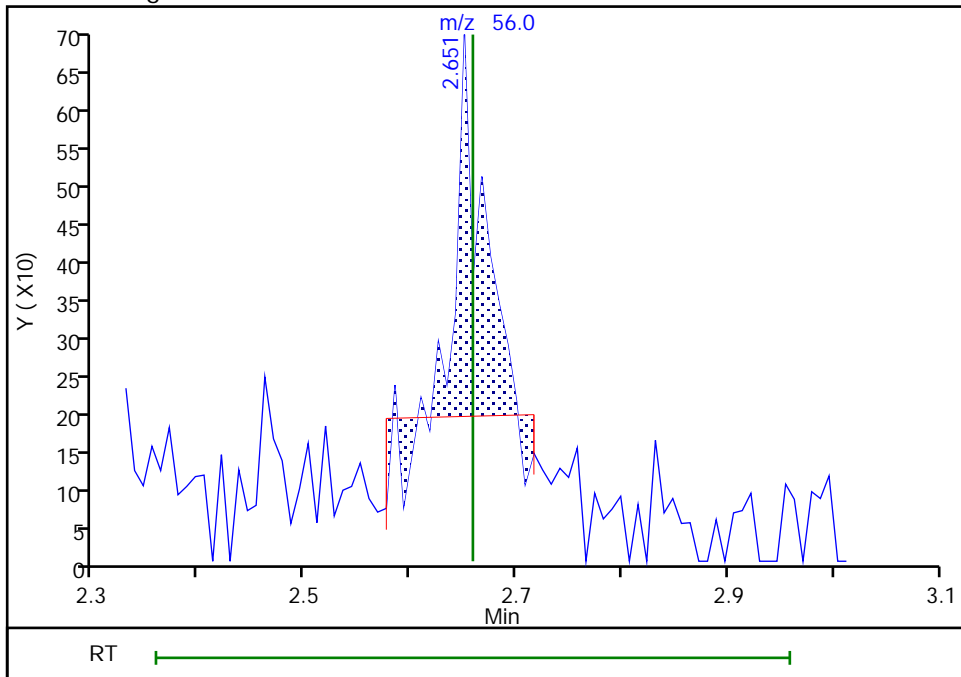
RT: 2.65  
Area: 2491  
Amount: 7.184174  
Amount Units: ug/l

Processing Integration Results



RT: 2.65  
Area: 677  
Amount: 4.009268  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:16:45  
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

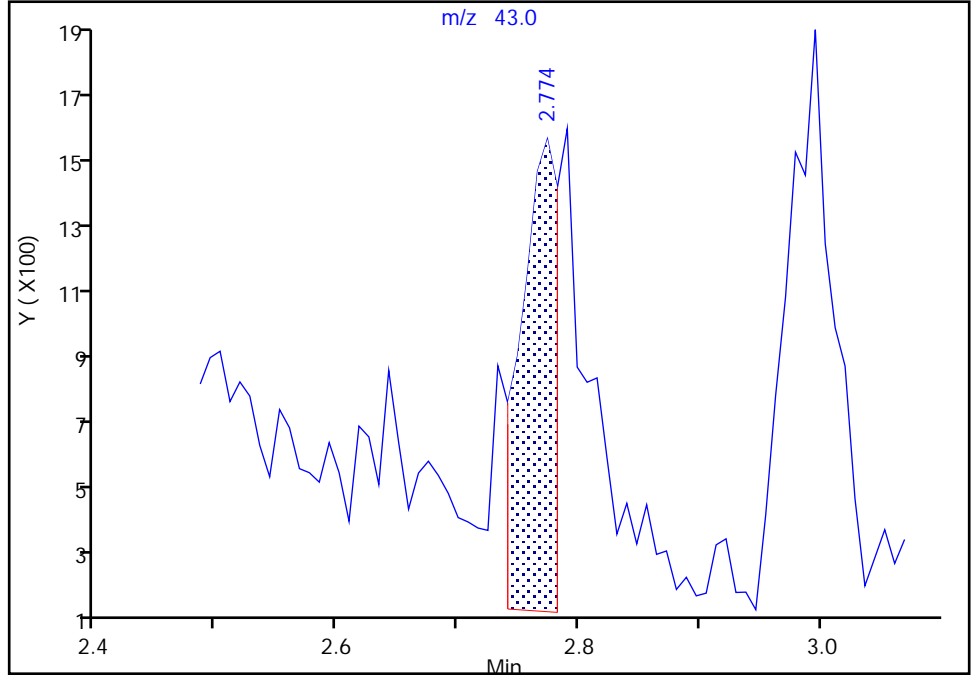
ALS Bottle#: 3 Worklist Smp#: 4  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

18 Acetone, CAS: 67-64-1

Signal: 1

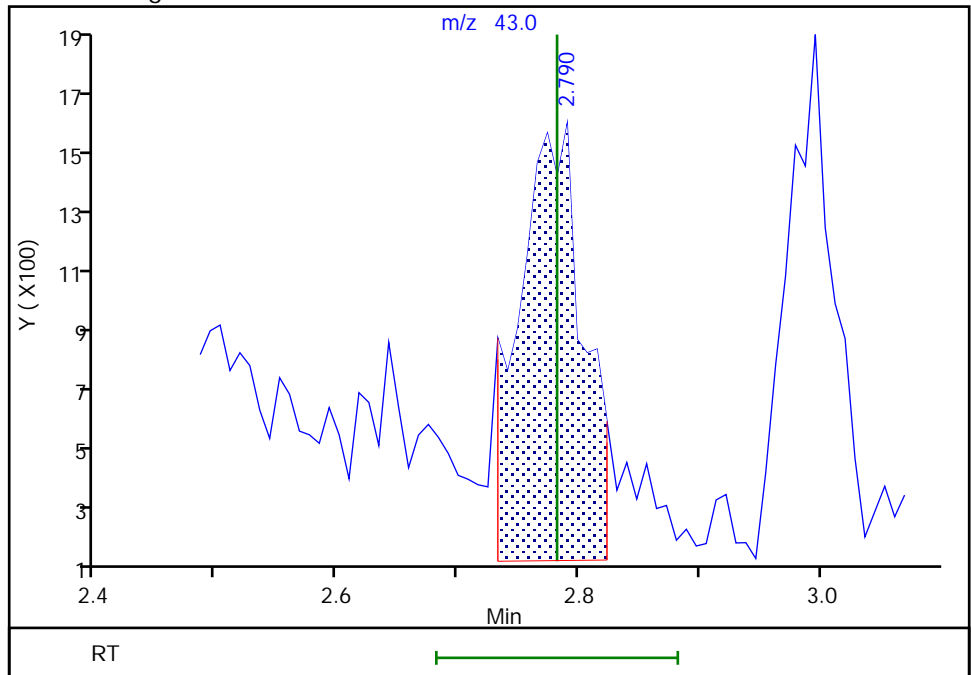
RT: 2.77  
Area: 3120  
Amount: 3.562290  
Amount Units: ug/l

Processing Integration Results



RT: 2.79  
Area: 5459  
Amount: 5.723375  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 08-Jan-2021 20:04:36  
Audit Action: Manually Integrated

Audit Reason: Split Peak



Eurofins TestAmerica, Edison

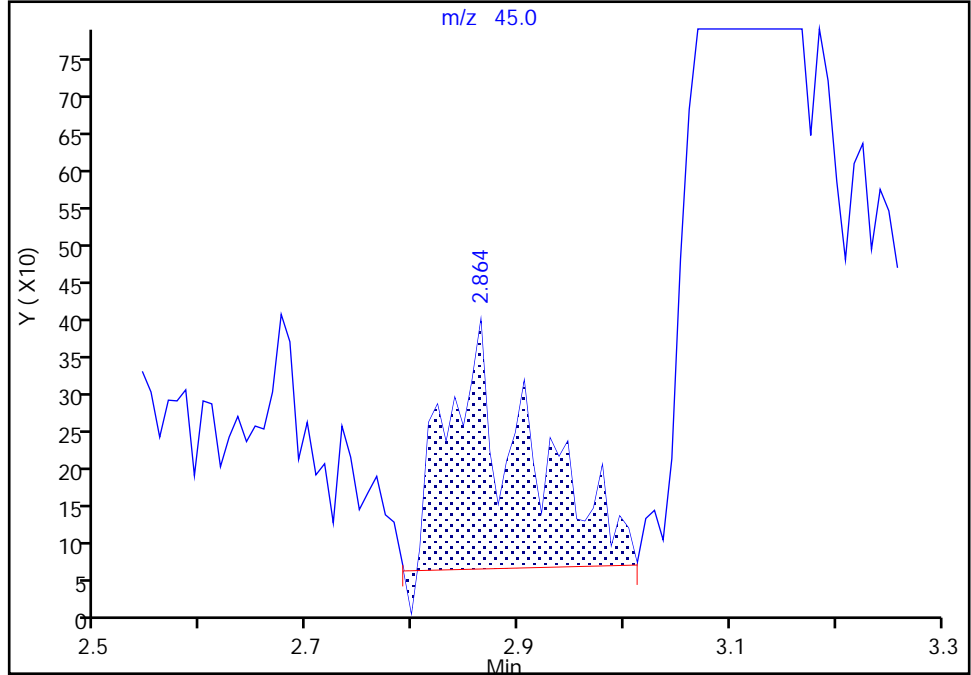
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Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

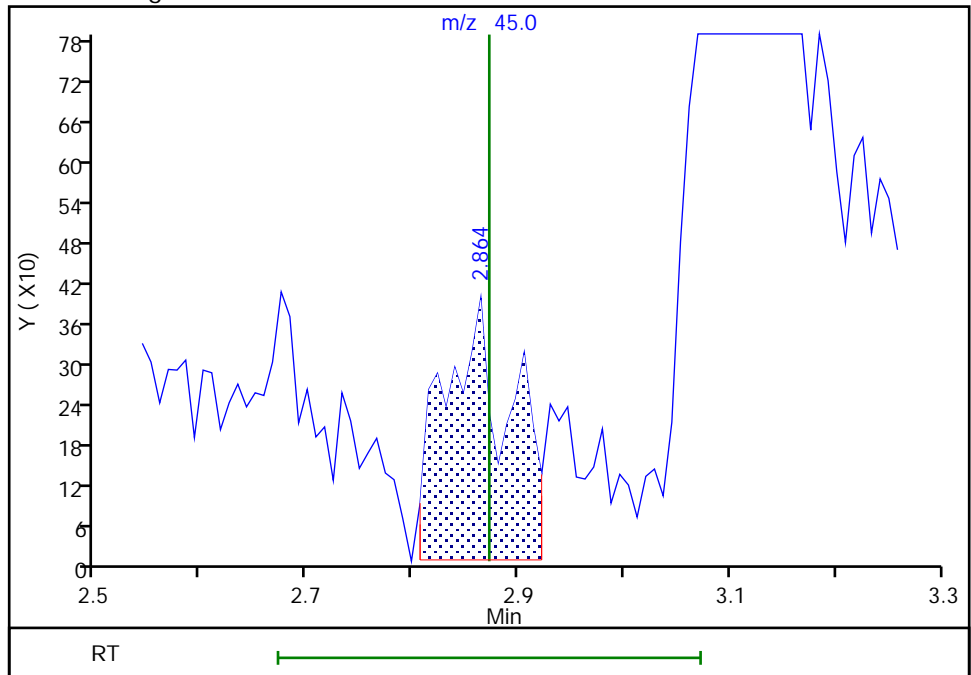
RT: 2.86  
Area: 1775  
Amount: 14.555701  
Amount Units: ug/l

Processing Integration Results



RT: 2.86  
Area: 1739  
Amount: 11.950086  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 08-Jan-2021 20:05:49  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

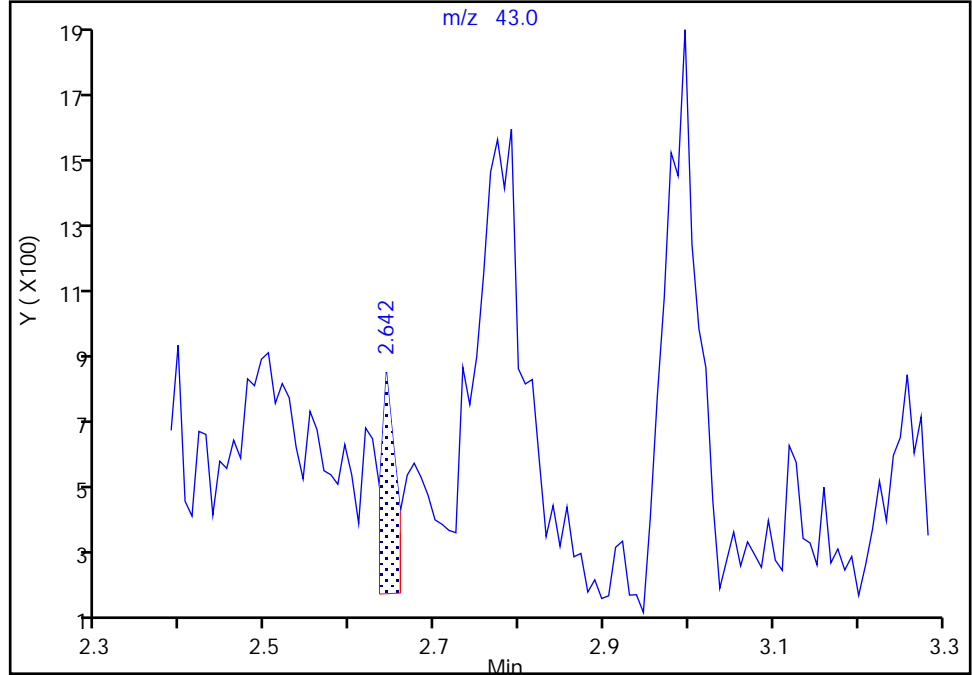
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

23 Methyl acetate, CAS: 79-20-9

Signal: 1

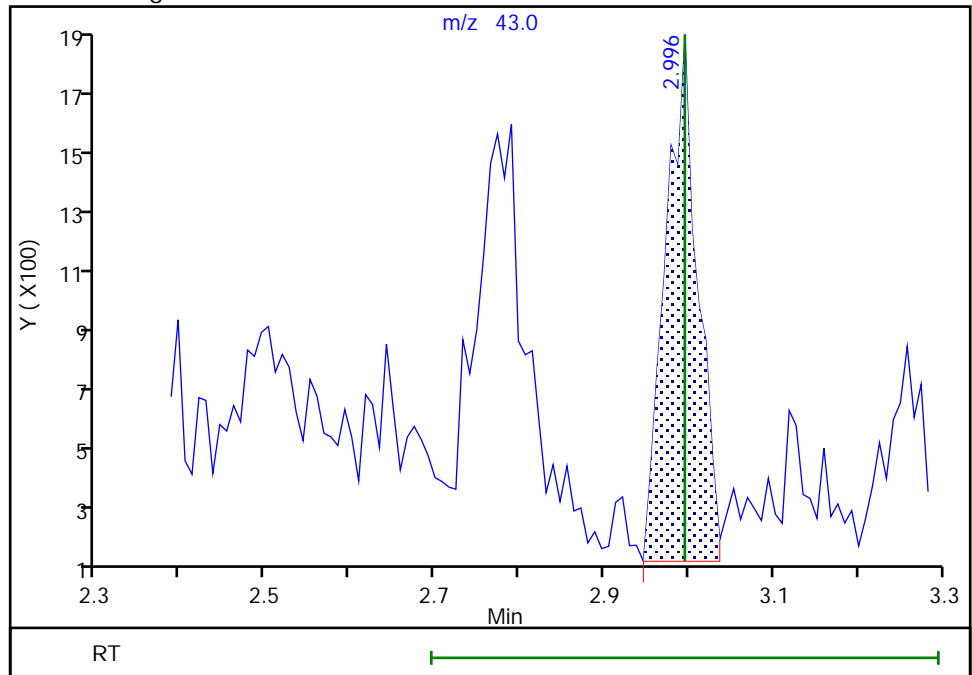
RT: 2.64  
Area: 814  
Amount: 0.386960  
Amount Units: ug/l

Processing Integration Results



RT: 3.00  
Area: 4560  
Amount: 2.053856  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 19:00:02  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

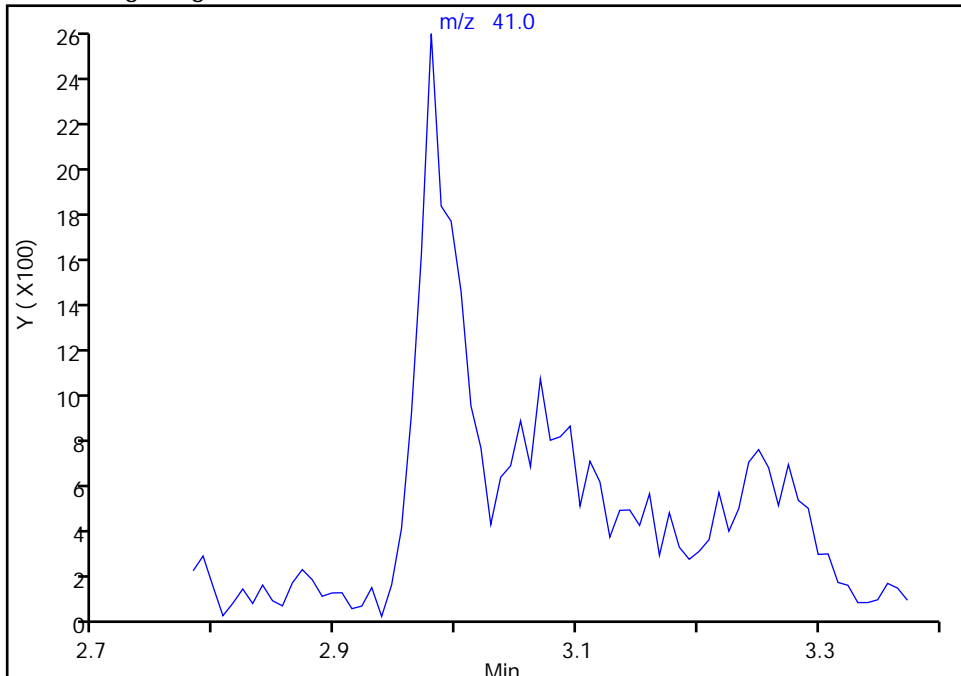
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

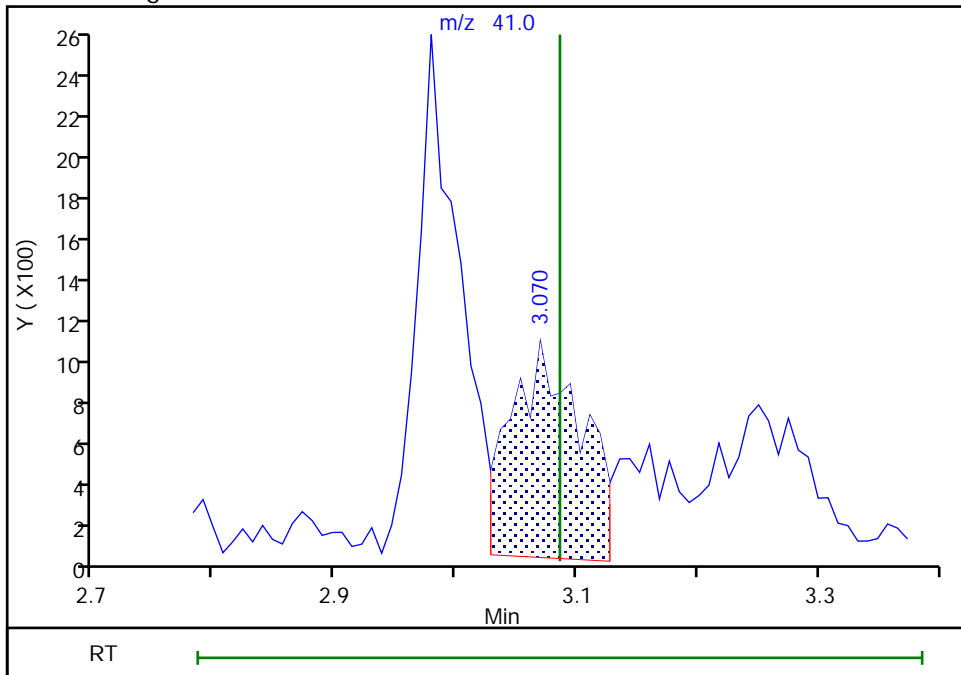
Not Detected  
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.07  
Area: 4338  
Amount: 10.962875  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:48:56  
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

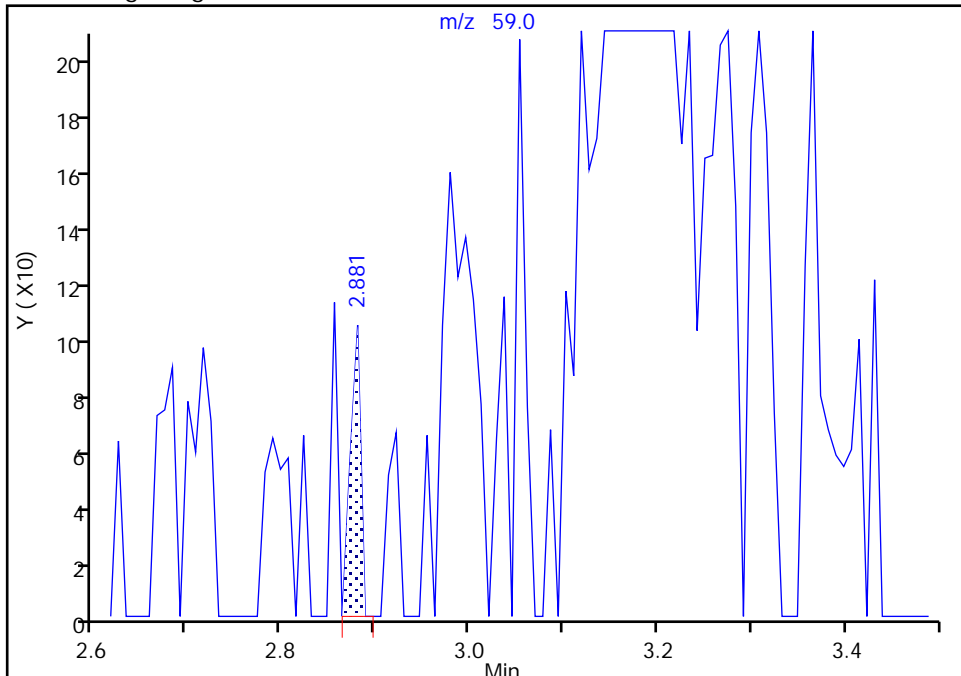
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

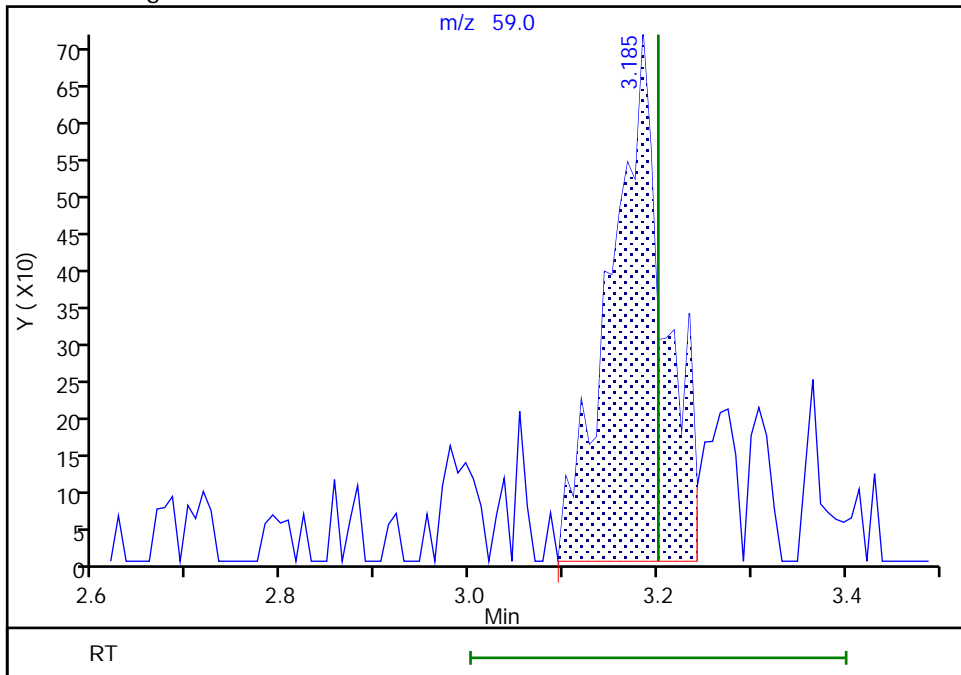
RT: 2.88  
Area: 78  
Amount: 0.207920  
Amount Units: ug/l

Processing Integration Results



RT: 3.18  
Area: 2894  
Amount: 9.137417  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:49:04  
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

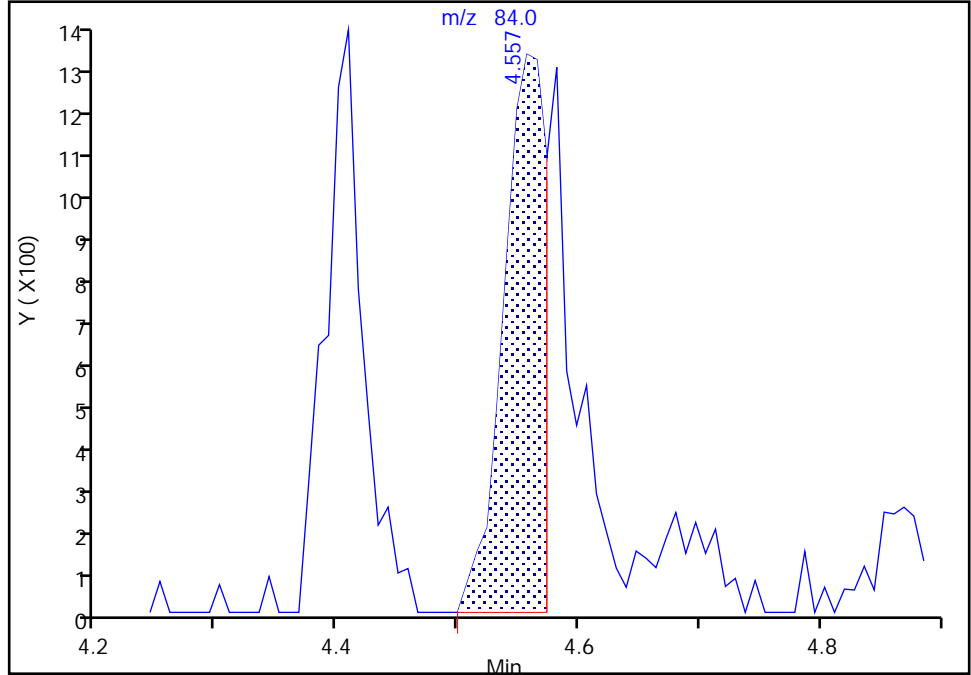
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

49 Cyclohexane, CAS: 110-82-7

Signal: 1

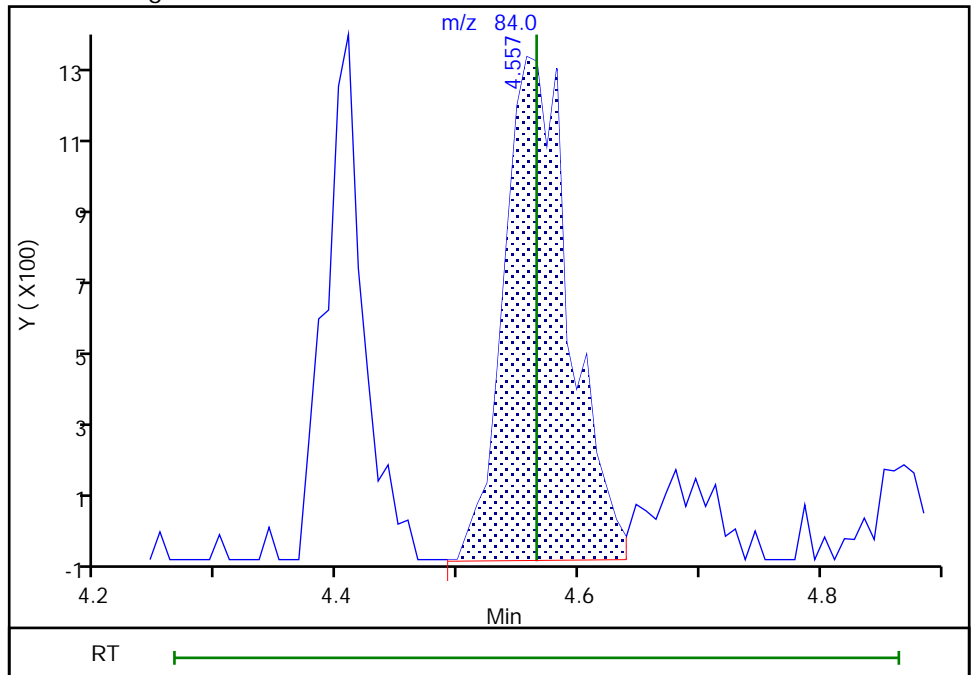
RT: 4.56  
Area: 3102  
Amount: 0.684850  
Amount Units: ug/l

Processing Integration Results



RT: 4.56  
Area: 4739  
Amount: 0.986820  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:50:00  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

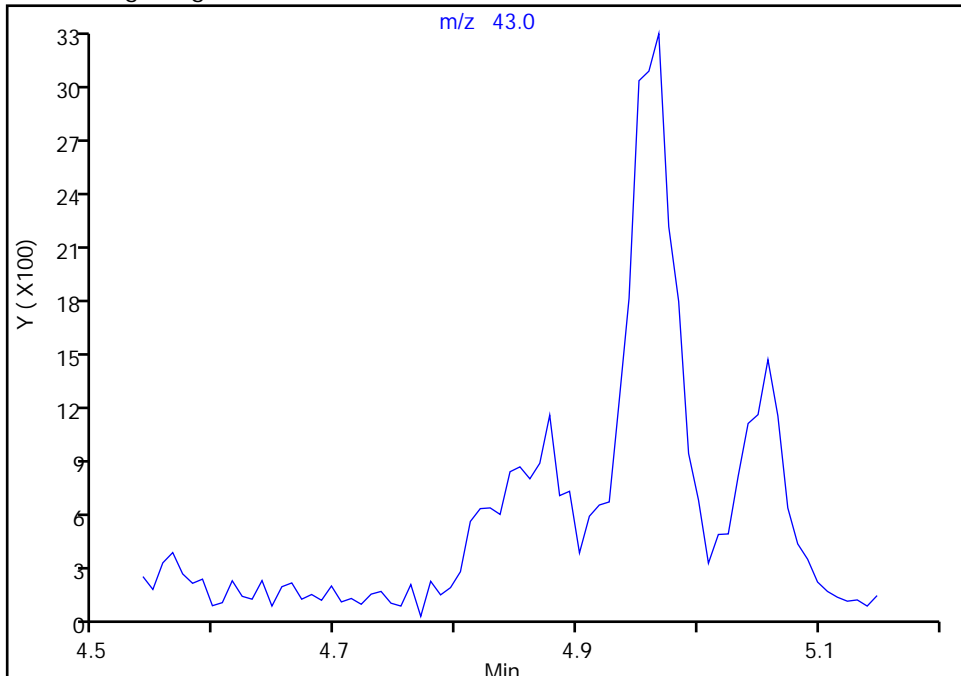
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

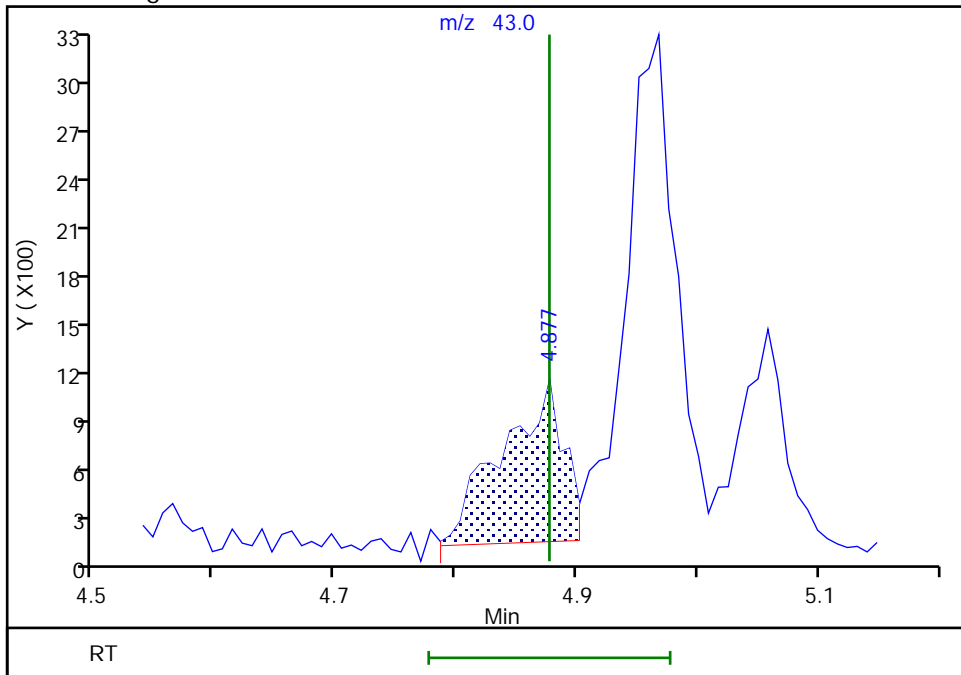
Not Detected  
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88  
Area: 3552  
Amount: 18.951030  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:39:53  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

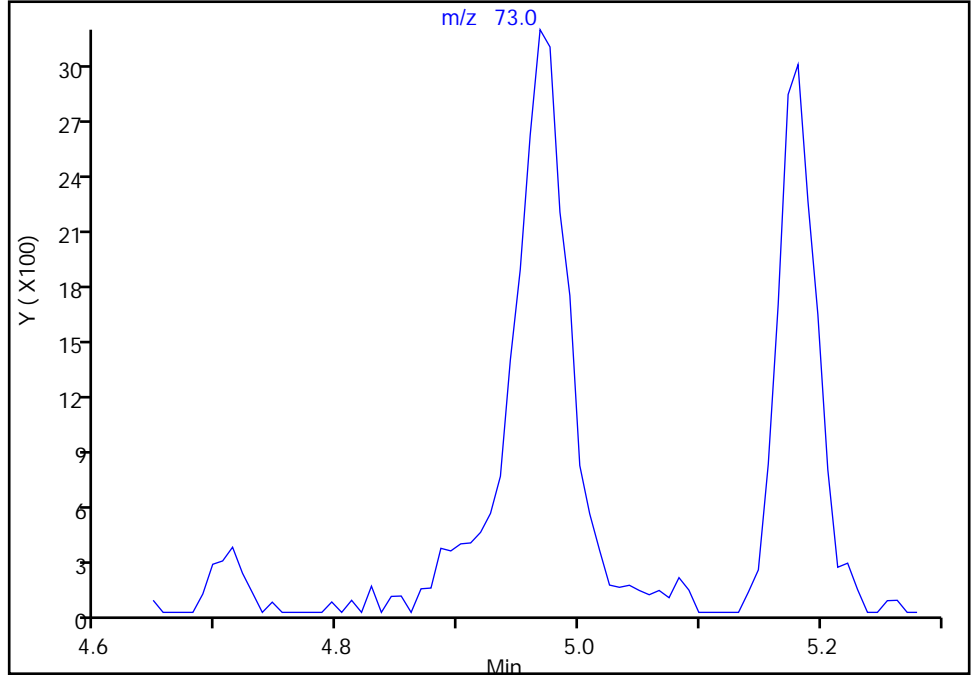
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

58 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

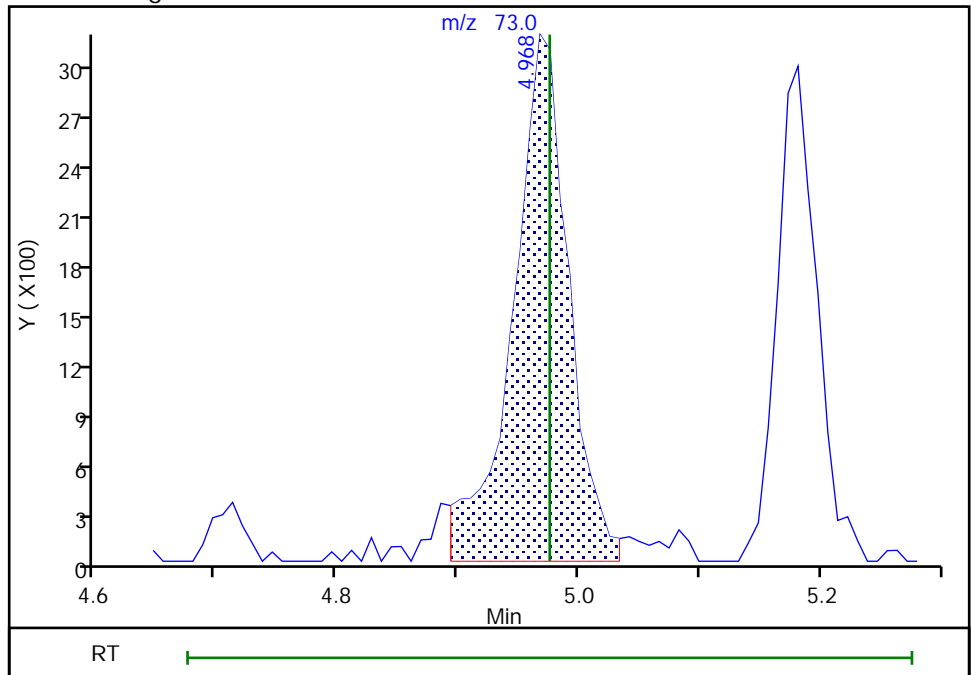
Not Detected  
Expected RT: 4.98

Processing Integration Results



Manual Integration Results

RT: 4.97  
Area: 10120  
Amount: 0.975794  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:40:03  
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

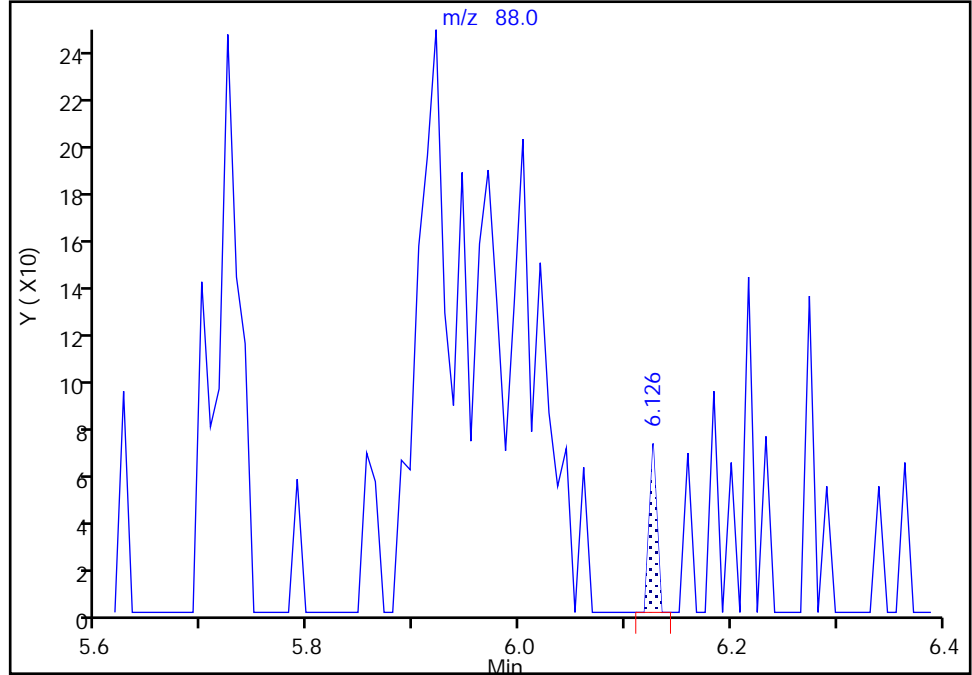
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

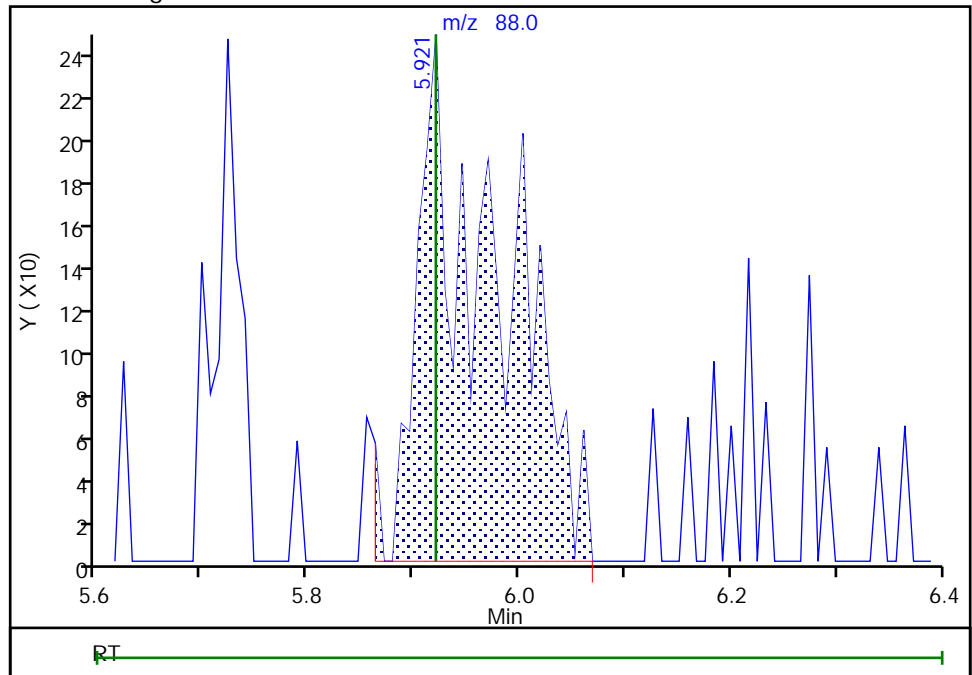
RT: 6.13  
Area: 35  
Amount: 1.710678  
Amount Units: ug/l

Processing Integration Results



RT: 5.92  
Area: 1281  
Amount: 52.045551  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:40:39  
Audit Action: Manually Integrated

Audit Reason: Split Peak



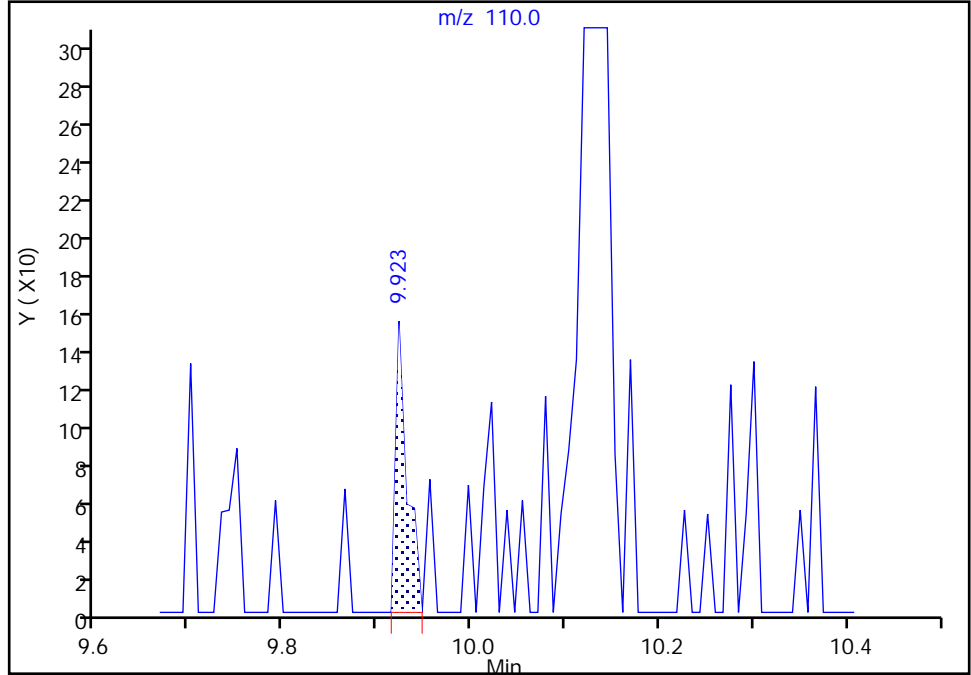
Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
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

104 1,2,3-Trichloropropane, CAS: 96-18-4  
Signal: 1

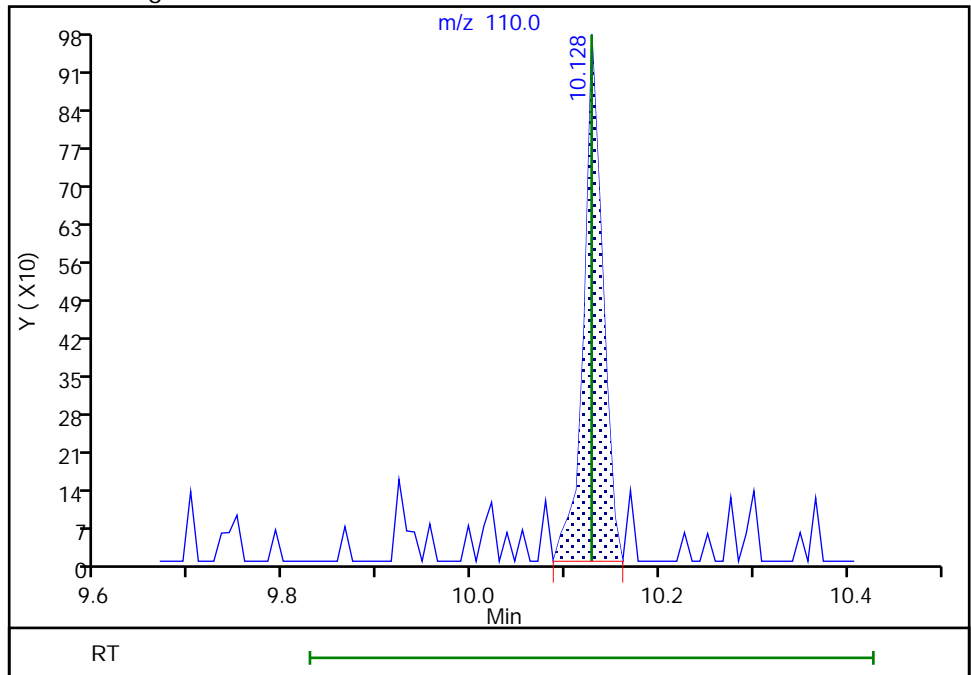
RT: 9.92  
Area: 129  
Amount: 0.588622  
Amount Units: ug/l

Processing Integration Results



RT: 10.13  
Area: 1359  
Amount: 1.180781  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:21:34  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

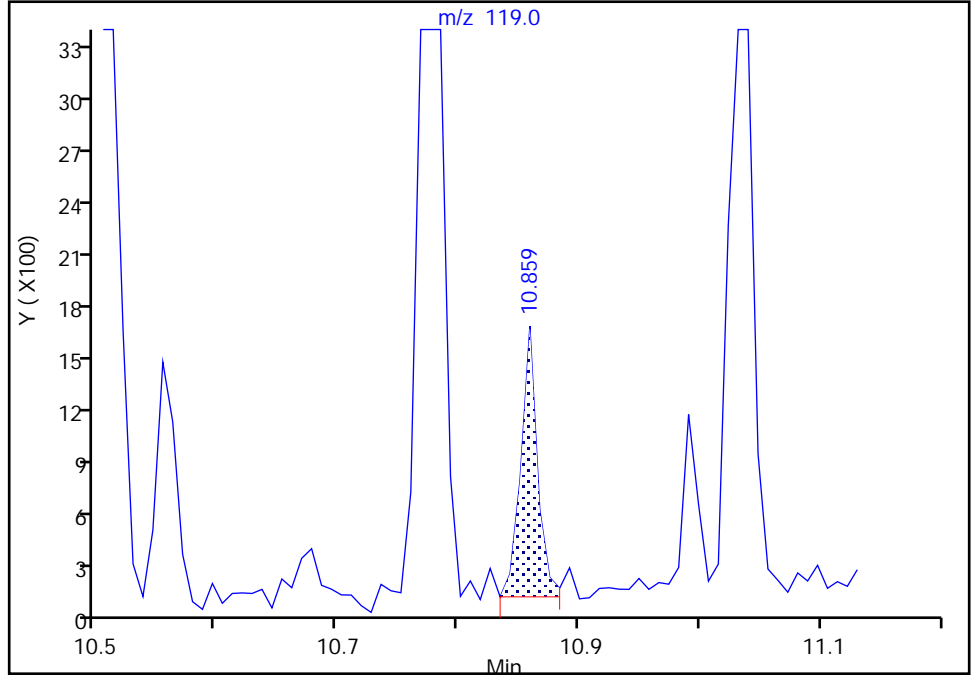
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09450.D  
Injection Date: 05-Jan-2021 16:33:30 Instrument ID: CVOAMS6  
Lims ID: STD1  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

115 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

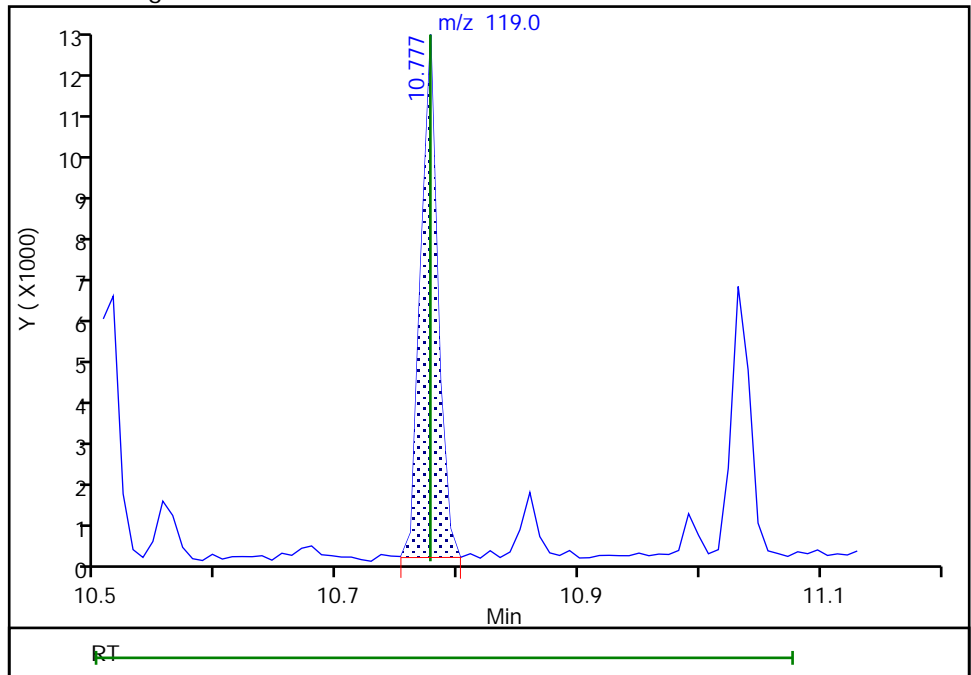
RT: 10.86  
Area: 1451  
Amount: 0.095305  
Amount Units: ug/l

Processing Integration Results



RT: 10.78  
Area: 12066  
Amount: 0.906281  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:44:41  
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
 Lims ID: STD5  
 Client ID:  
 Sample Type: IC Calib Level: 2  
 Inject. Date: 05-Jan-2021 17:22:30 ALS Bottle#: 5 Worklist Smp#: 6  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD5  
 Misc. Info.: 460-0122504-006  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:22:21 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 06-Jan-2021 17:51:49

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	1.566	-0.025	72	18170	5.00	4.49	
2 Chloromethane	50	1.722	1.730	-0.008	100	28617	5.00	5.55	
4 Vinyl chloride	62	1.788	1.804	-0.016	98	23726	5.00	5.08	
3 Butadiene	54	1.796	1.812	-0.016	73	19568	5.00	4.84	
5 Bromomethane	94	2.075	2.075	0.000	98	17393	5.00	5.52	
6 Chloroethane	64	2.133	2.133	0.000	97	15272	5.00	5.25	
7 Dichlorofluoromethane	67	2.281	2.289	-0.008	98	33129	5.00	5.39	
8 Trichlorofluoromethane	101	2.297	2.305	-0.008	72	20238	5.00	4.63	
9 Pentane	72	2.330	2.330	0.000	96	5807	10.0	9.15	
10 Ethyl ether	59	2.486	2.494	-0.008	98	14669	5.00	5.41	
11 Ethanol	46	2.577	2.494	0.083	67	3300	200.0	224.2	a
12 2-Methyl-1,3-butadiene	53	2.511	2.519	-0.008	90	12130	5.00	4.38	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.552	2.560	-0.008	80	13828	5.00	4.87	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.601	2.609	-0.008	88	23489	5.00	5.19	
15 Acrolein	56	2.667	2.659	0.008	90	4570	20.0	19.5	M
16 112TCTFE	101	2.683	2.683	0.000	88	10820	5.00	4.20	
17 1,1-Dichloroethene	96	2.700	2.708	-0.008	97	13565	5.00	4.95	
18 Acetone	43	2.782	2.782	0.000	88	21748	25.0	23.0	
19 Iodomethane	142	2.848	2.856	-0.008	97	23605	5.00	5.36	
20 Isopropyl alcohol	45	2.831	2.872	-0.041	28	5591	50.0	42.3	
21 Carbon disulfide	76	2.872	2.880	-0.008	99	50485	5.00	5.04	
22 3-Chloro-1-propene	41	2.987	2.995	-0.008	90	27900	5.00	4.68	
23 Methyl acetate	43	2.987	2.995	-0.008	87	21009	10.0	9.76	
24 Cyclopentene	67	3.012	3.012	0.000	90	34150	5.00	4.86	
25 Acetonitrile	41	3.061	3.086	-0.025	21	17419	50.0	48.5	Ma
26 Methylene Chloride	84	3.111	3.119	-0.008	94	17929	5.00	5.37	
* 27 TBA-d9 (IS)	65	3.111	3.119	-0.008	0	297379	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.193	3.201	-0.008	91	14377	50.0	50.0	a
29 Methyl tert-butyl ether	73	3.259	3.267	-0.008	97	45458	5.00	5.37	
30 trans-1,2-Dichloroethene	96	3.275	3.291	-0.016	94	15367	5.00	5.18	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.349	3.357	-0.008	94	65857	50.0	51.4	
32 Hexane	43	3.423	3.431	-0.008	92	9055	5.00	3.67	
33 Isopropyl ether	45	3.628	3.636	-0.008	93	47226	5.00	5.14	
34 1,1-Dichloroethane	63	3.653	3.661	-0.008	63	25730	5.00	5.10	
35 Vinyl acetate	86	3.661	3.669	-0.008	99	6115	10.0	9.82	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	92	10500	5.00	4.42	
37 Tert-butyl ethyl ether	59	3.932	3.940	-0.008	91	44099	5.00	5.08	
* 38 2-Butanone-d5	46	4.105	4.113	-0.008	0	324598	250.0	250.0	
39 2,2-Dichloropropane	97	4.154	4.146	0.008	65	5138	5.00	5.37	
40 cis-1,2-Dichloroethene	96	4.154	4.162	-0.008	91	15885	5.00	5.16	
42 2-Butanone (MEK)	72	4.162	4.171	-0.008	96	9119	25.0	26.6	
41 Ethyl acetate	70	4.162	4.171	-0.008	93	3126	10.0	11.5	
43 Methyl acrylate	55	4.220	4.228	-0.008	99	11545	5.00	5.15	a
44 Propionitrile	54	4.294	4.302	-0.008	95	21810	50.0	50.1	
45 Chlorobromomethane	128	4.376	4.376	0.000	86	8048	5.00	5.30	
46 Tetrahydrofuran	72	4.384	4.384	0.000	70	4535	10.0	11.0	
47 Methacrylonitrile	67	4.393	4.392	0.001	93	58700	50.0	48.9	
48 Chloroform	83	4.417	4.425	-0.008	97	22814	5.00	5.02	
49 Cyclohexane	84	4.565	4.565	0.000	54	20448	5.00	4.39	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	97	149435	50.0	50.8	
50 1,1,1-Trichloroethane	97	4.573	4.581	-0.008	72	19613	5.00	4.82	
52 Carbon tetrachloride	117	4.688	4.688	0.000	97	13981	5.00	4.49	
53 1,1-Dichloropropene	75	4.705	4.713	-0.008	95	15909	5.00	4.65	
54 Isobutyl alcohol	43	4.869	4.877	-0.008	45	20023	125.0	117.6	Ma
55 Benzene	78	4.902	4.902	0.000	95	54106	5.00	4.95	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.918	-0.008	0	169249	50.0	49.3	
57 Isopropyl acetate	43	4.960	4.959	0.001	87	45340	5.00	5.01	
58 Tert-amyl methyl ether	73	4.968	4.976	-0.008	91	50724	5.00	5.05	a
59 1,2-Dichloroethane	62	4.984	4.992	-0.008	95	16425	5.00	5.01	
60 n-Heptane	57	5.050	5.058	-0.008	90	8778	5.00	4.17	
* 61 Fluorobenzene	96	5.181	5.181	0.000	99	543125	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	96	5603	125.0	114.5	
63 Trichloroethene	95	5.526	5.526	0.000	97	11792	5.00	4.92	
64 Ethyl acrylate	55	5.650	5.650	0.000	94	30156	5.00	4.42	
65 Methylcyclohexane	83	5.658	5.658	0.000	84	20314	5.00	4.00	
66 1,2-Dichloropropane	63	5.806	5.814	-0.008	88	13589	5.00	5.14	
* 67 1,4-Dioxane-d8	96	5.863	5.871	-0.008	0	27428	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	89	6924	10.0	10.1	
71 1,4-Dioxane	88	5.921	5.921	0.000	25	2695	100.0	128.7	
69 Dibromomethane	93	5.937	5.937	0.000	69	8130	5.00	4.94	
70 n-Propyl acetate	43	5.937	5.945	-0.008	98	17602	5.00	4.78	
72 Dichlorobromomethane	83	6.085	6.085	0.000	97	14938	5.00	4.73	
74 2-Nitropropane	41	6.414	6.414	0.000	82	6562	10.0	9.25	
73 2-Chloroethyl vinyl ether	63	6.422	6.422	0.000	75	6899	5.01	4.63	
75 Epichlorohydrin	57	6.521	6.521	0.000	99	24348	100.0	94.7	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	94	19548	5.00	4.85	
77 4-Methyl-2-pentanone (MIBK)	43	6.743	6.742	0.001	97	70734	25.0	24.0	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	586983	50.0	49.6	
79 Toluene	91	6.899	6.899	0.000	93	56434	5.00	4.98	
80 trans-1,3-Dichloropropene	75	7.236	7.244	-0.008	98	16400	5.00	4.70	
81 Ethyl methacrylate	69	7.277	7.277	0.001	90	16142	5.00	4.54	
82 1,1,2-Trichloroethane	83	7.457	7.457	0.000	94	9578	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.499	7.498	0.001	97	11887	5.00	4.76	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	94	19648	5.00	4.96	
85 2-Hexanone	43	7.729	7.728	0.001	95	42965	25.0	24.0	
86 n-Butyl acetate	43	7.852	7.852	0.000	99	21019	5.00	4.67	
87 Chlorodibromomethane	129	7.885	7.893	-0.008	97	10388	5.00	4.56	
88 Ethylene Dibromide	107	8.041	8.041	0.000	97	11733	5.00	5.05	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	87	402602	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	95	36275	5.00	5.02	
91 Ethylbenzene	106	8.731	8.731	0.000	99	20080	5.00	4.95	
92 1,1,1,2-Tetrachloroethane	131	8.748	8.747	0.001	93	12691	5.00	4.81	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	23704	5.00	4.86	
94 n-Butyl acrylate	73	9.372	9.364	0.008	97	9662	5.00	4.11	
95 o-Xylene	106	9.372	9.372	0.000	93	25493	5.00	4.81	
96 Styrene	104	9.405	9.405	0.000	96	37533	5.00	4.69	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	94	27536	5.00	4.40	
98 Bromoform	173	9.610	9.618	-0.008	94	7757	5.00	4.74	
99 Isopropylbenzene	105	9.742	9.742	0.000	95	64052	5.00	4.71	
\$ 100 4-Bromofluorobenzene	174	9.923	9.922	0.001	88	182465	50.0	51.1	
101 Bromobenzene	156	10.046	10.046	0.000	97	16478	5.00	4.99	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	98	19046	5.00	5.01	
103 N-Propylbenzene	91	10.112	10.111	0.001	99	78896	5.00	4.63	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	98	5836	5.00	5.09	a
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	78	4132	5.00	4.32	
106 2-Chlorotoluene	91	10.202	10.202	0.000	97	56472	5.00	4.80	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	66000	5.00	4.71	
108 1,3,5-Trimethylbenzene	105	10.268	10.267	0.001	93	52968	5.00	4.48	
109 4-Chlorotoluene	91	10.301	10.300	0.000	98	51346	5.00	4.89	
110 Butyl Methacrylate	87	10.358	10.358	0.000	92	18177	5.00	4.23	
111 tert-Butylbenzene	119	10.506	10.506	0.000	96	37443	5.00	4.10	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	98	57128	5.00	4.58	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	67875	5.00	4.40	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	74	33330	5.00	4.93	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	59292	5.00	4.47	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	251582	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	34586	5.00	4.97	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	62781	5.00	4.72	
119 Benzyl chloride	91	10.941	10.941	0.000	98	34545	5.00	4.54	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	94	62605	5.00	4.79	
121 p-Diethylbenzene	119	11.032	11.032	0.000	93	33833	5.00	4.59	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	35811	5.00	4.73	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	96	35446	5.00	5.12	
124 1,2,4,5-Tetramethylbenzene	119	11.517	11.516	0.001	97	62126	5.00	4.70	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	95	4596	5.00	4.93	
126 1,3,5-Trichlorobenzene	180	11.665	11.664	0.000	96	25977	5.00	4.74	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	26226	5.00	4.98	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	93	8681	5.00	4.62	
129 Naphthalene	128	12.215	12.215	0.000	99	68272	5.00	4.79	
130 1,2,3-Trichlorobenzene	180	12.371	12.371	0.000	95	24528	5.00	4.95	
S 131 1,2-Dichloroethene, Total	100				0		10.0	10.3	
S 132 Xylenes, Total	100				0		10.0	9.67	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

GASES Li_00401	Amount Added: 10.00	Units: uL	
ACROLEIN W_00118	Amount Added: 4.00	Units: uL	
524freon_00031	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00130	Amount Added: 10.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromf\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D

Injection Date: 05-Jan-2021 17:22:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD5

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

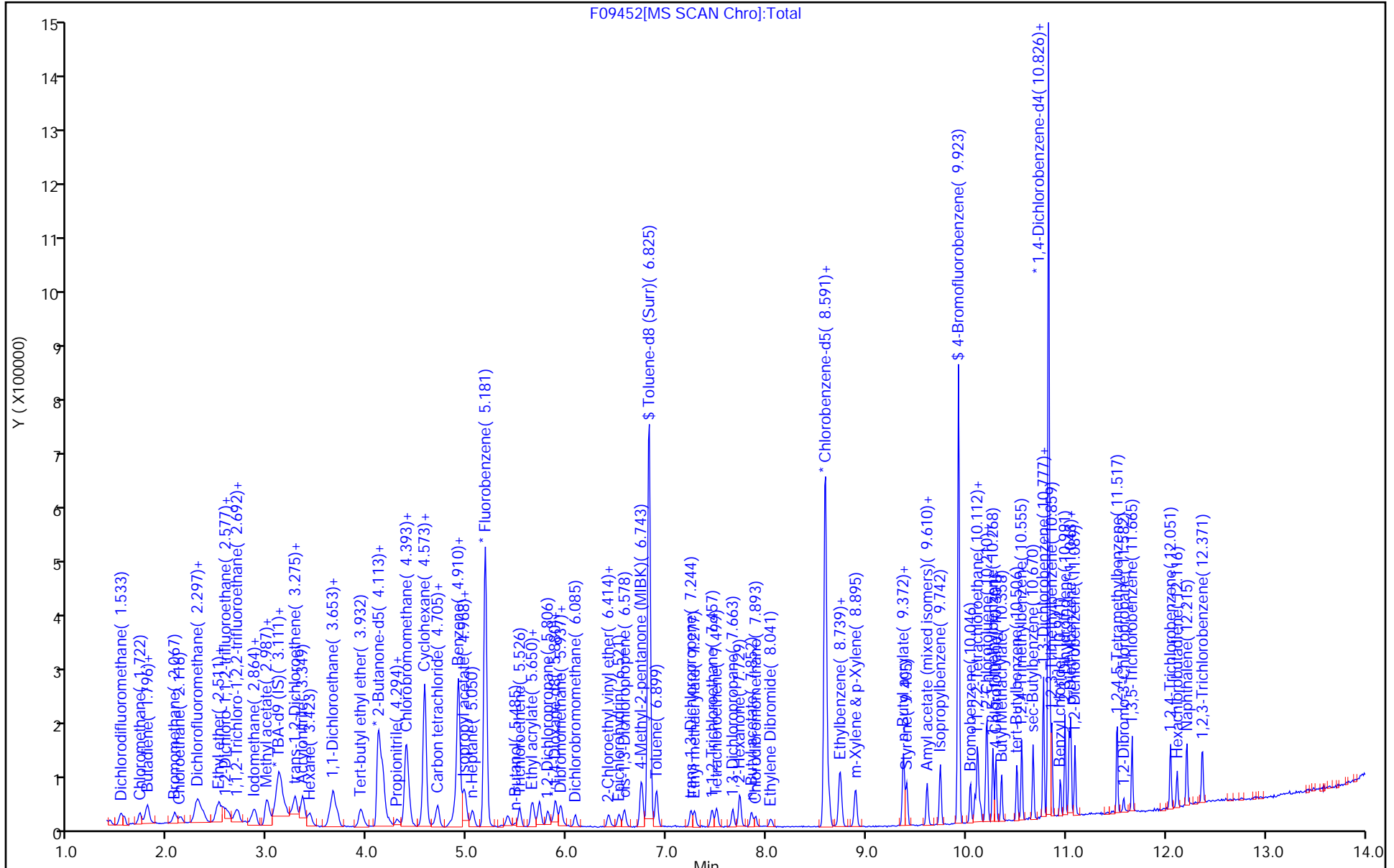
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)



F09452[MS SCAN Chro]:Total

Eurofins TestAmerica, Edison

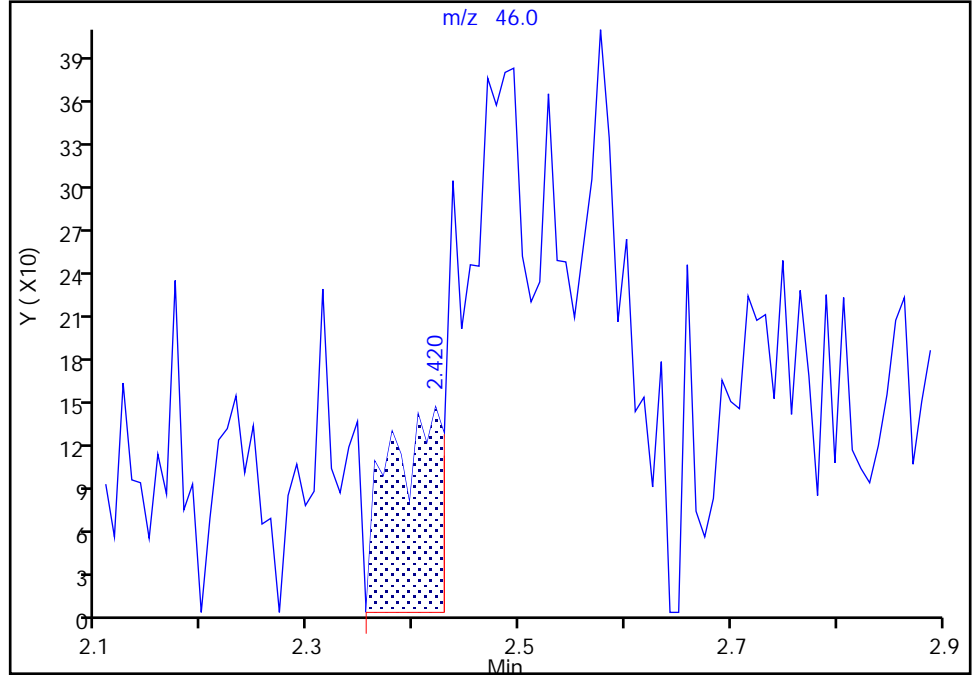
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Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

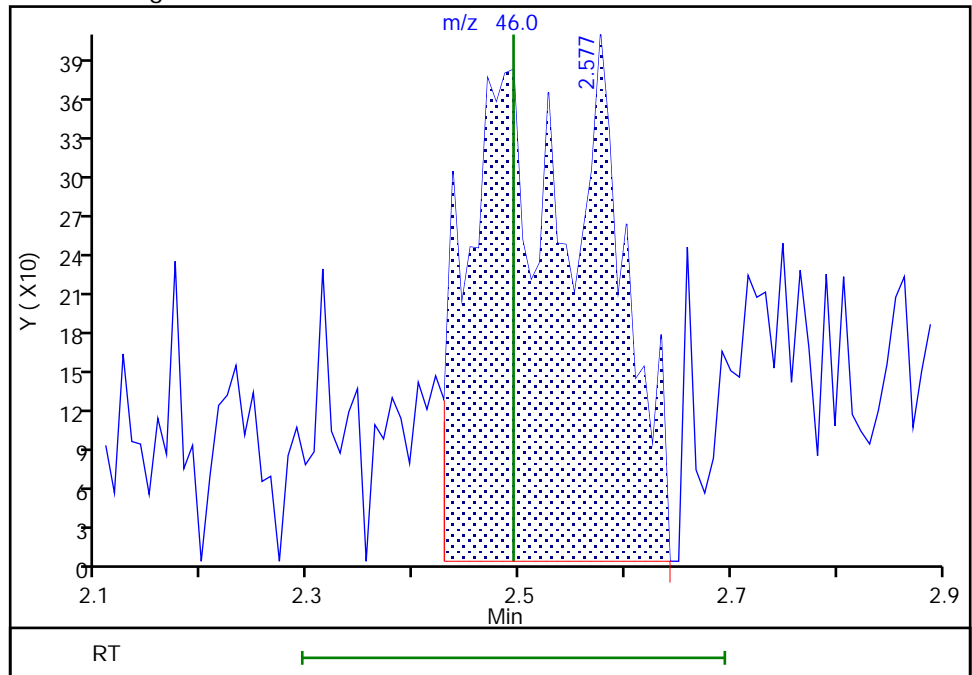
RT: 2.42  
Area: 513  
Amount: 29.646554  
Amount Units: ug/l

Processing Integration Results



RT: 2.58  
Area: 3300  
Amount: 224.2017  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:18:41  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

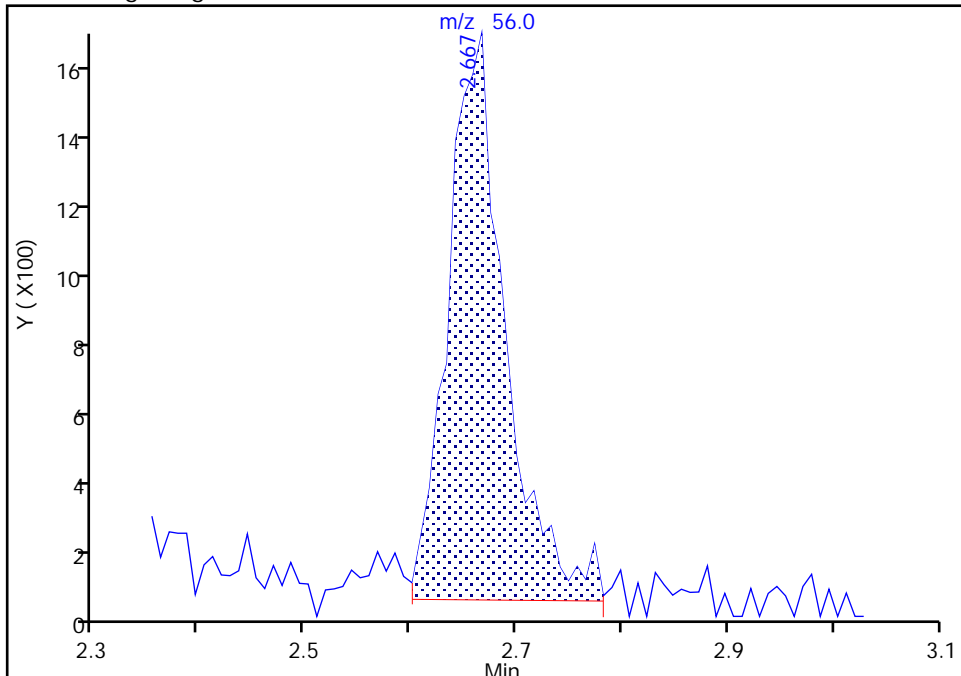
ALS Bottle#: 5 Worklist Smp#: 6  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

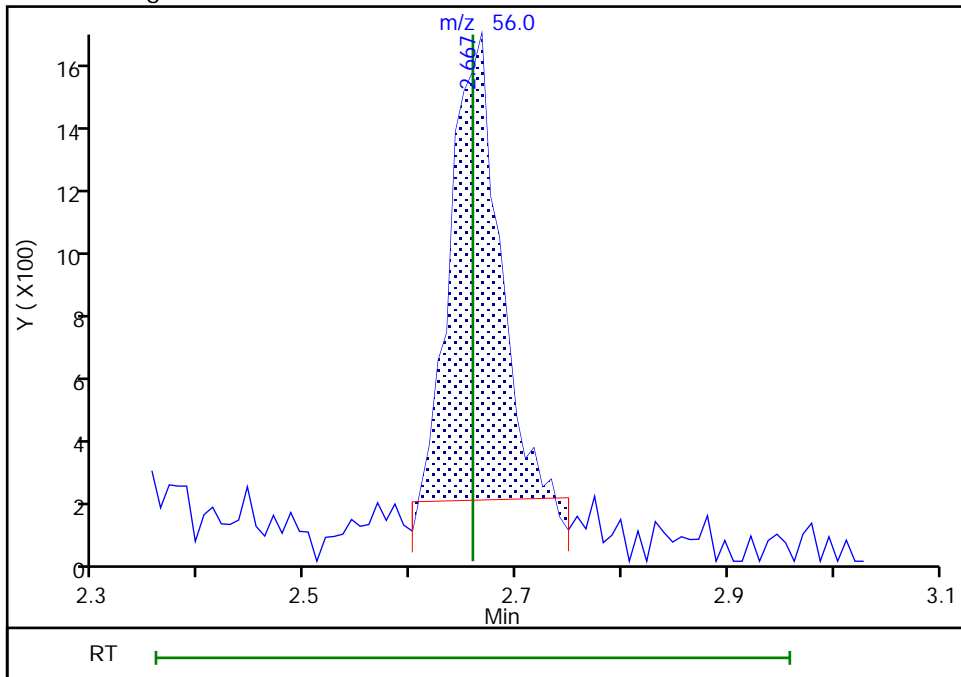
RT: 2.67  
Area: 6127  
Amount: 19.850916  
Amount Units: ug/l

Processing Integration Results



RT: 2.67  
Area: 4570  
Amount: 19.532024  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 08-Jan-2021 19:50:32  
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

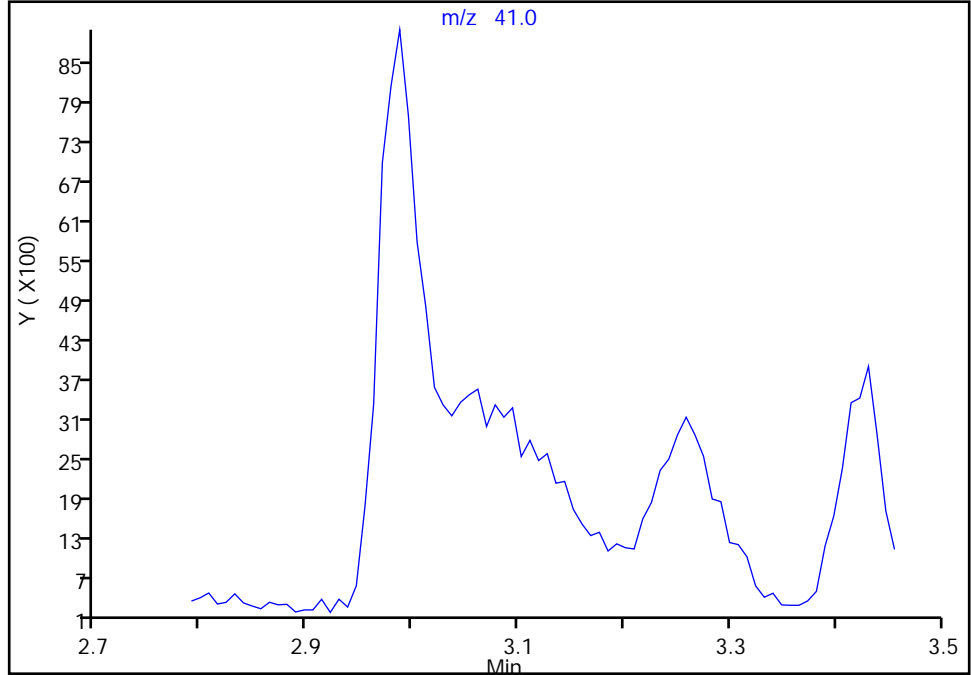
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Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

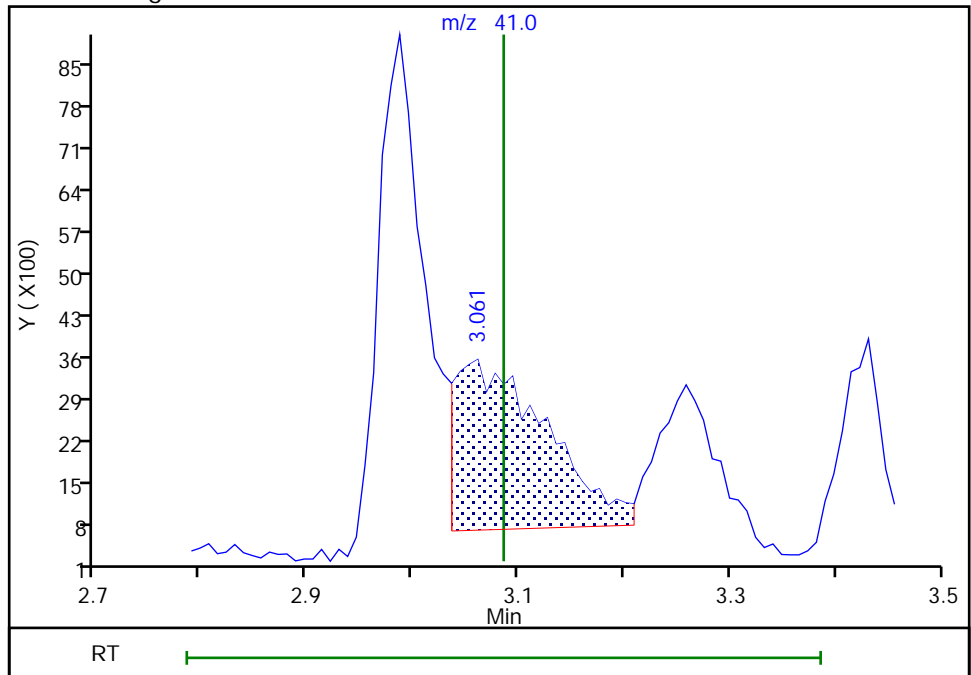
Not Detected  
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.06  
Area: 17419  
Amount: 48.464812  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:54:10  
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

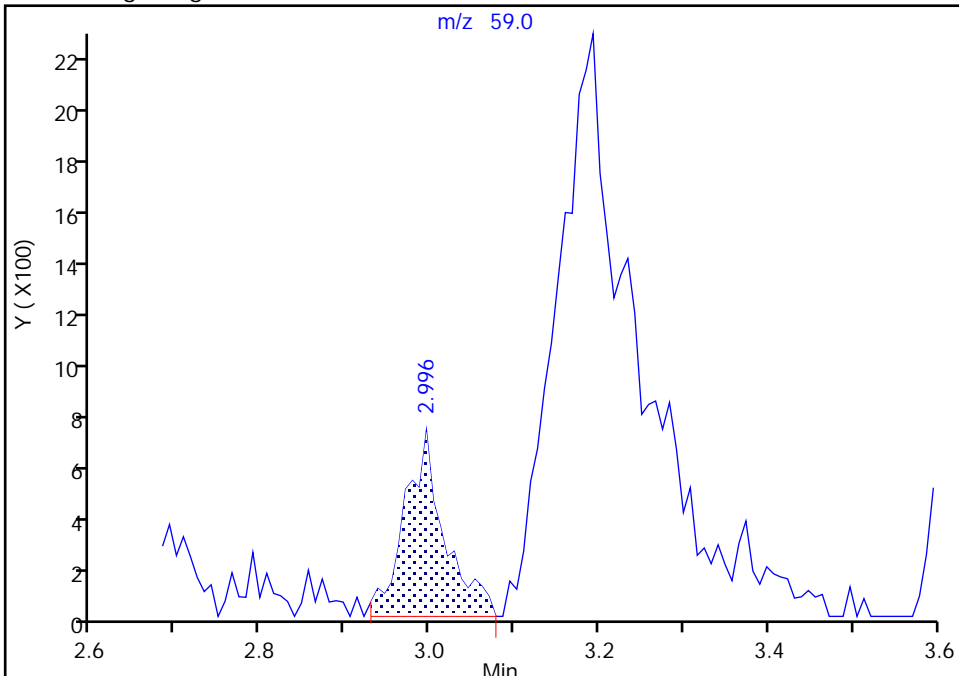
ALS Bottle#: 5 Worklist Smp#: 6  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

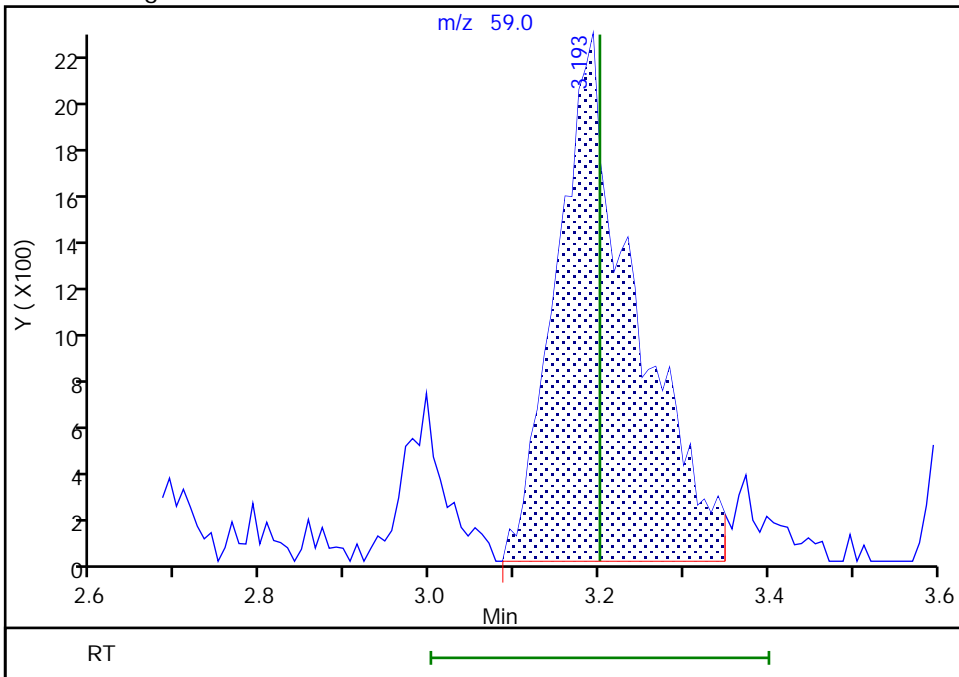
RT: 3.00  
Area: 2320  
Amount: 8.706261  
Amount Units: ug/l

Processing Integration Results



RT: 3.19  
Area: 14377  
Amount: 49.976010  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:04:32  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

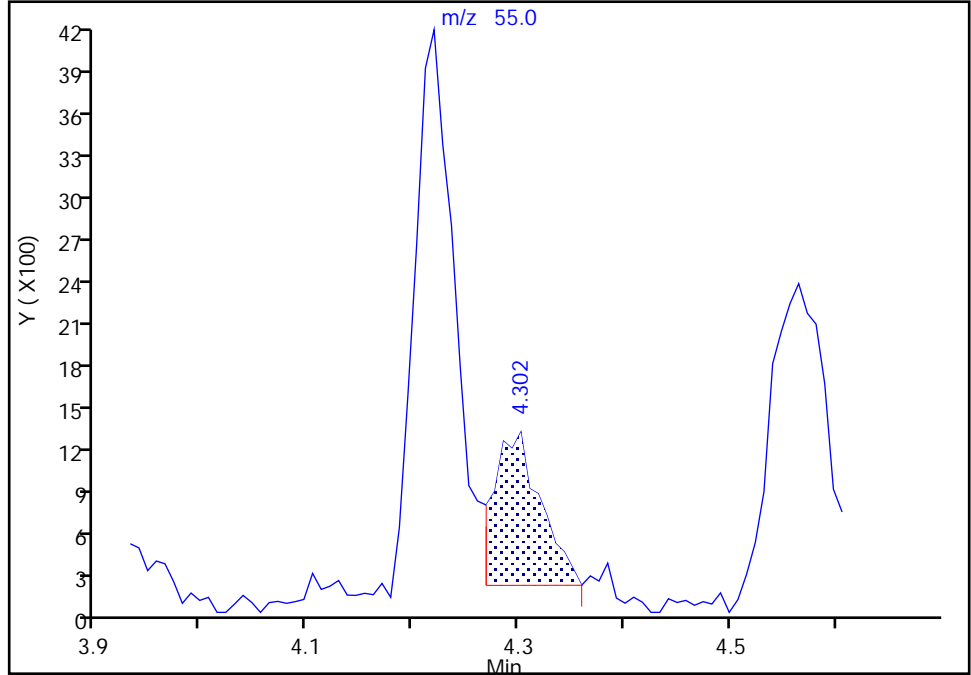
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

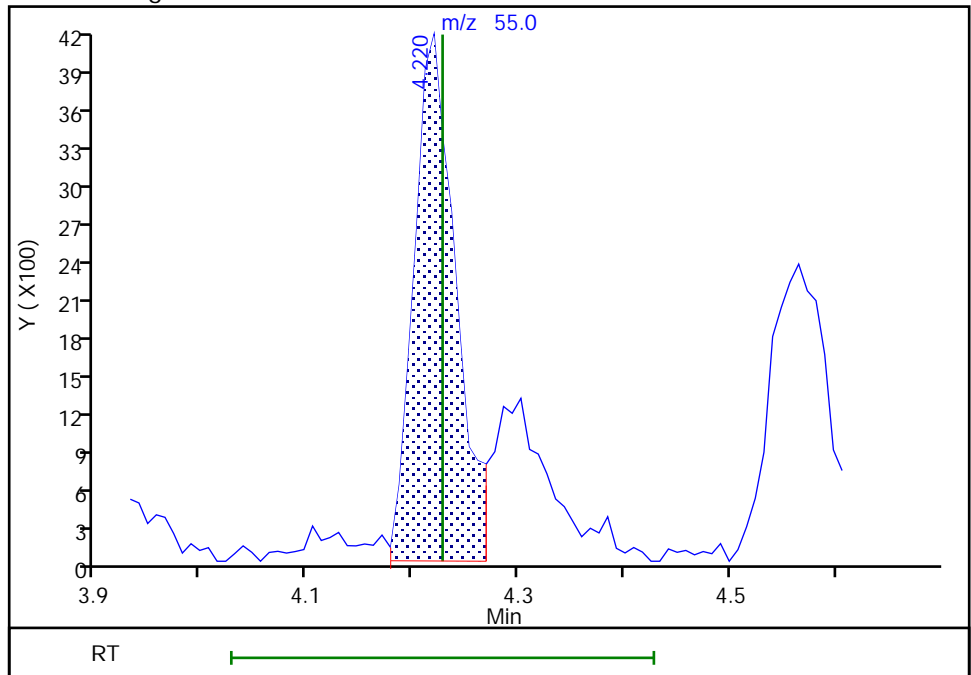
RT: 4.30  
Area: 3394  
Amount: 1.570607  
Amount Units: ug/l

Processing Integration Results



RT: 4.22  
Area: 11545  
Amount: 5.149162  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:19:28  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

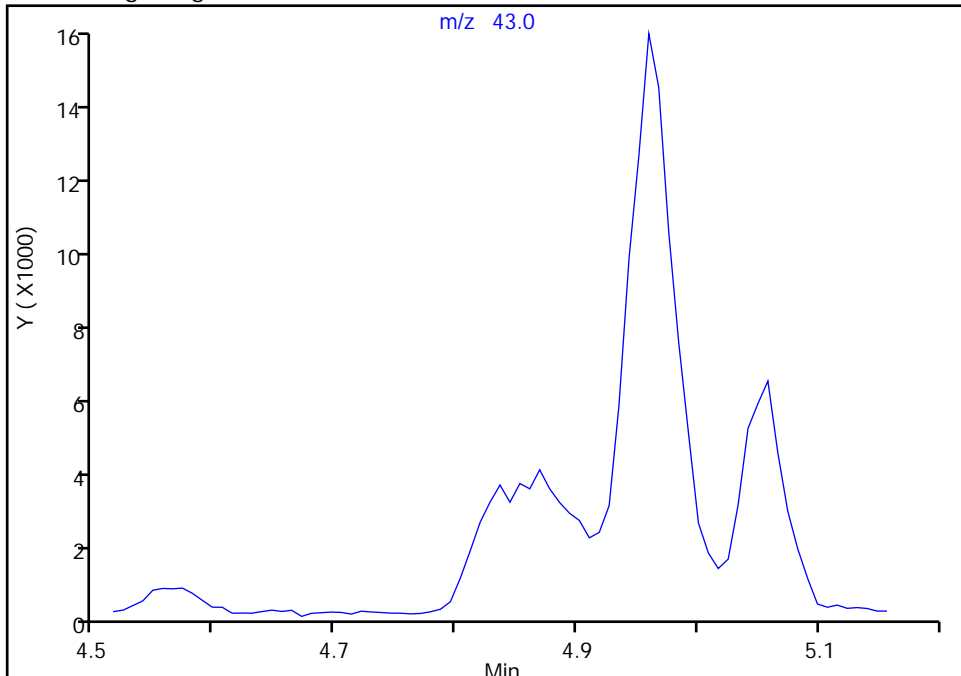
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

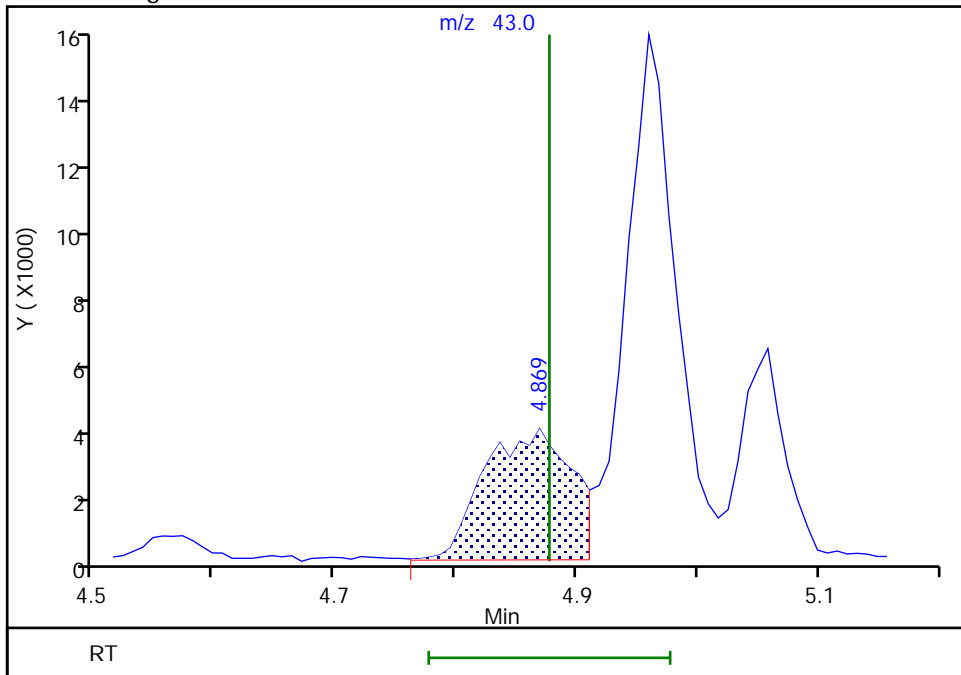
Not Detected  
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.87  
Area: 20023  
Amount: 117.6136  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:57:52  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

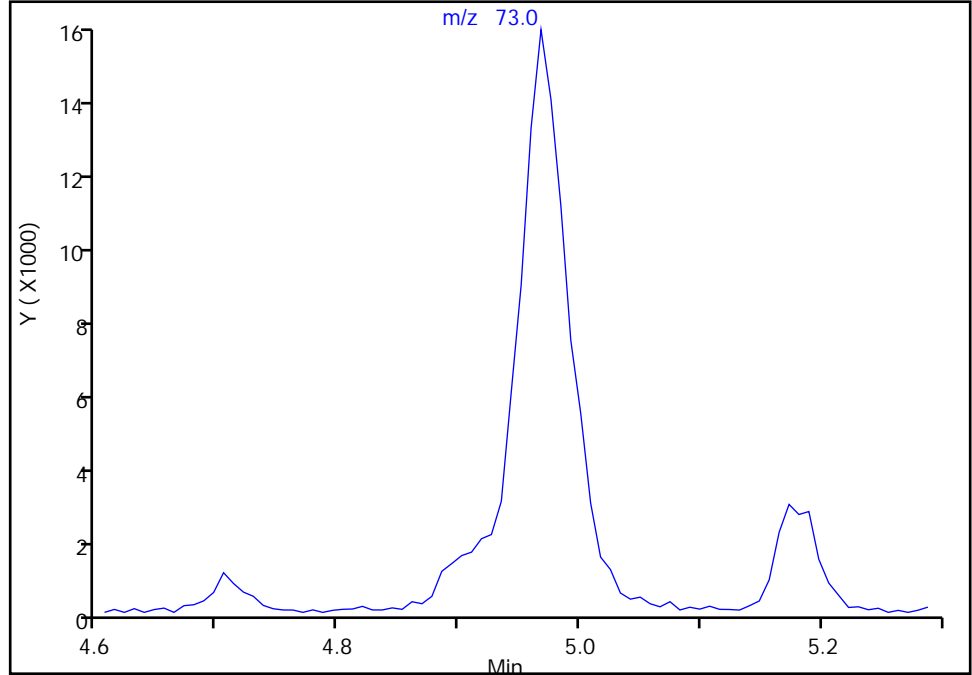
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

58 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

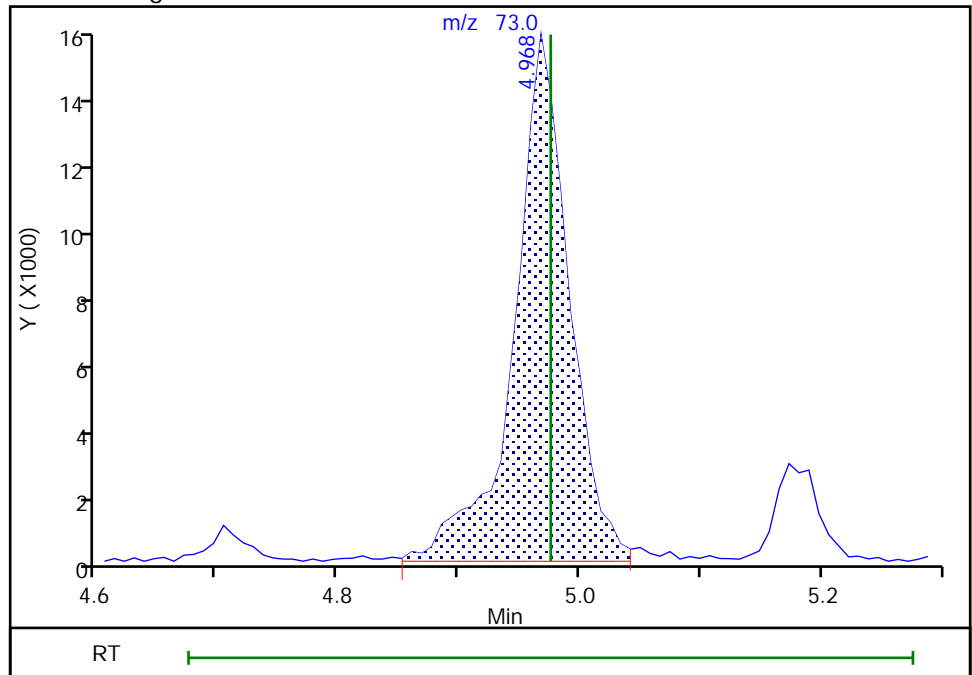
Not Detected  
Expected RT: 4.98

Processing Integration Results



Manual Integration Results

RT: 4.97  
Area: 50724  
Amount: 5.046058  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 17:56:10  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

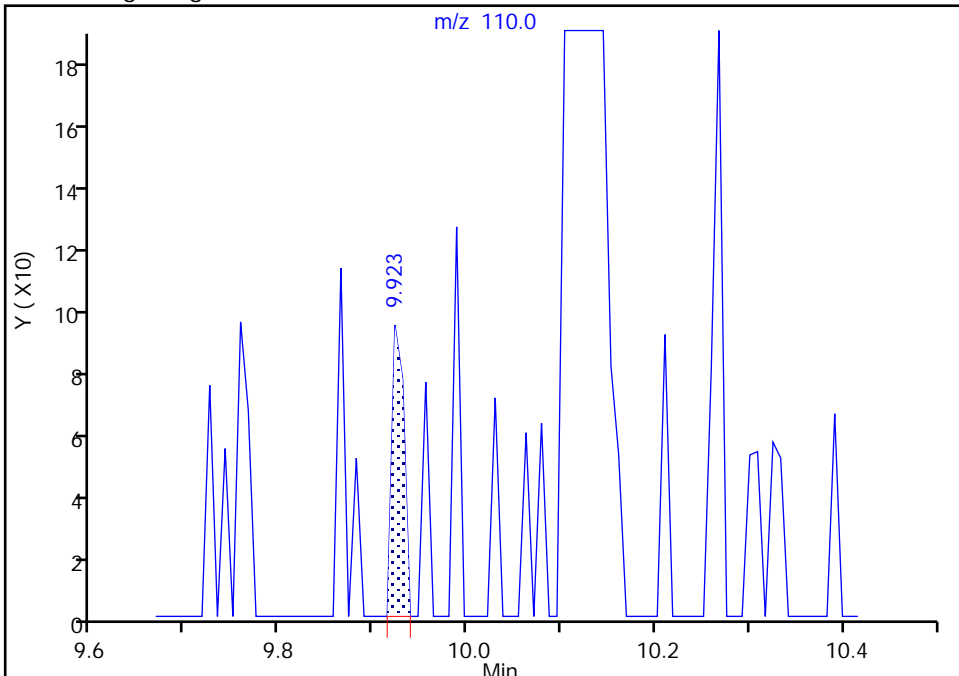
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09452.D  
Injection Date: 05-Jan-2021 17:22:30 Instrument ID: CVOAMS6  
Lims ID: STD5  
Client ID:  
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

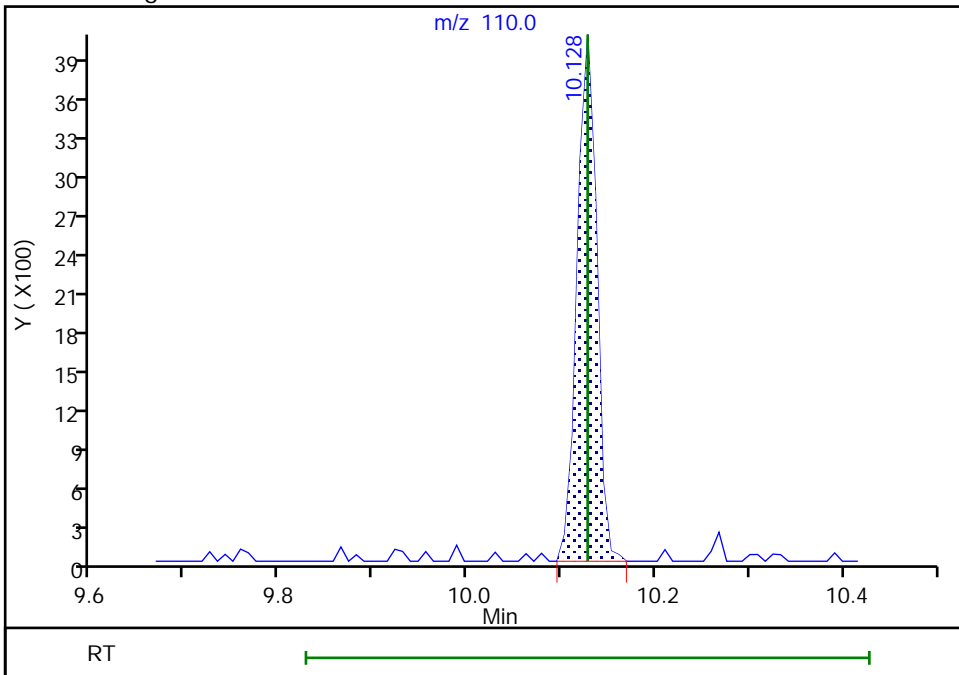
RT: 9.92  
Area: 82  
Amount: 3.068141  
Amount Units: ug/l

Processing Integration Results



RT: 10.13  
Area: 5836  
Amount: 5.085282  
Amount Units: ug/l

Manual Integration Results



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09453.D  
 Lims ID: STD20  
 Client ID:  
 Sample Type: ICIS Calib Level: 3  
 Inject. Date: 05-Jan-2021 17:46:30 ALS Bottle#: 6 Worklist Smp#: 7  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD20  
 Misc. Info.: 460-0122504-007  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:22:39 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 05-Jan-2021 19:49:23

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	1.566	0.000	80	89310	20.0	20.7	
2 Chloromethane	50	1.730	1.730	0.000	99	108259	20.0	19.6	
4 Vinyl chloride	62	1.804	1.804	0.000	98	97249	20.0	19.5	
3 Butadiene	54	1.812	1.812	0.000	97	86471	20.0	20.0	
5 Bromomethane	94	2.075	2.075	0.000	99	67898	20.0	20.2	
6 Chloroethane	64	2.133	2.133	0.000	100	61114	20.0	19.7	
7 Dichlorofluoromethane	67	2.289	2.289	0.000	98	132355	20.0	20.2	
8 Trichlorofluoromethane	101	2.305	2.305	0.000	66	91974	20.0	19.7	
9 Pentane	72	2.330	2.330	0.000	97	27326	40.0	36.9	
10 Ethyl ether	59	2.494	2.494	0.000	92	57023	20.0	19.7	
11 Ethanol	46	2.494	2.494	0.000	73	12757	800.0	743.5	
12 2-Methyl-1,3-butadiene	53	2.519	2.519	0.000	97	60735	20.0	20.5	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.560	2.560	0.000	96	59213	20.0	19.5	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.609	2.609	0.000	95	93789	20.0	19.4	
15 Acrolein	56	2.659	2.659	0.000	92	11806	40.0	40.9	M
16 112TCTFE	101	2.683	2.683	0.000	95	54583	20.0	19.8	
17 1,1-Dichloroethene	96	2.708	2.708	0.000	97	54441	20.0	18.6	
18 Acetone	43	2.782	2.782	0.000	87	99902	100.0	103.0	
19 Iodomethane	142	2.856	2.856	0.000	96	93161	20.0	19.8	
20 Isopropyl alcohol	45	2.872	2.872	0.000	27	27993	200.0	181.7	
21 Carbon disulfide	76	2.880	2.880	0.000	100	202326	20.0	18.9	
22 3-Chloro-1-propene	41	2.995	2.995	0.000	89	113708	20.0	17.8	
23 Methyl acetate	43	2.995	2.995	0.000	85	93423	40.0	40.6	
24 Cyclopentene	67	3.012	3.012	0.000	93	147432	20.0	19.6	a
25 Acetonitrile	41	3.086	3.086	0.000	87	65835	200.0	157.1	a
26 Methylene Chloride	84	3.119	3.119	0.000	93	69826	20.0	19.6	
* 27 TBA-d9 (IS)	65	3.127	3.127	0.000	0	346654	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.201	3.201	0.000	91	64594	200.0	192.6	a
29 Methyl tert-butyl ether	73	3.267	3.267	0.000	97	179806	20.0	19.9	
30 trans-1,2-Dichloroethene	96	3.291	3.291	0.000	95	61304	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
31 Acrylonitrile	53	3.357	3.357	0.000	94	266090	200.0	194.4	
32 Hexane	43	3.431	3.431	0.000	94	50542	20.0	19.2	
33 Isopropyl ether	45	3.636	3.636	0.000	91	196476	20.0	20.0	
34 1,1-Dichloroethane	63	3.661	3.661	0.000	96	108146	20.0	20.0	
35 Vinyl acetate	86	3.669	3.669	0.000	100	25703	40.0	38.6	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	91	49013	20.0	19.3	
37 Tert-butyl ethyl ether	59	3.940	3.940	0.000	89	186006	20.0	20.0	
* 38 2-Butanone-d5	46	4.113	4.113	0.000	0	333509	250.0	250.0	
39 2,2-Dichloropropane	97	4.146	4.146	0.000	89	19770	20.0	19.3	
40 cis-1,2-Dichloroethene	96	4.162	4.162	0.000	95	66137	20.0	20.1	
42 2-Butanone (MEK)	72	4.171	4.171	0.000	96	33940	100.0	96.3	
41 Ethyl acetate	70	4.171	4.171	0.000	94	12088	40.0	43.3	
43 Methyl acrylate	55	4.228	4.228	0.000	99	45774	20.0	20.1	
44 Propionitrile	54	4.302	4.302	0.000	98	92632	200.0	182.7	
45 Chlorobromomethane	128	4.376	4.376	0.000	86	32723	20.0	20.2	
46 Tetrahydrofuran	72	4.384	4.384	0.000	58	17013	40.0	40.2	
47 Methacrylonitrile	67	4.392	4.392	0.000	93	250386	200.0	195.2	a
48 Chloroform	83	4.425	4.425	0.000	98	96011	20.0	19.8	
49 Cyclohexane	84	4.565	4.565	0.000	91	97857	20.0	19.7	
\$ 51 Dibromofluoromethane (Surr)	113	4.581	4.581	0.000	97	159124	50.0	50.7	
50 1,1,1-Trichloroethane	97	4.581	4.581	0.000	62	83032	20.0	19.1	
52 Carbon tetrachloride	117	4.688	4.688	0.000	95	64248	20.0	19.3	
53 1,1-Dichloropropene	75	4.713	4.713	0.000	95	69956	20.0	19.1	
54 Isobutyl alcohol	43	4.877	4.877	0.000	94	93955	500.0	473.4	
55 Benzene	78	4.902	4.902	0.000	95	224062	20.0	20.2	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	180957	50.0	49.3	
57 Isopropyl acetate	43	4.959	4.959	0.000	95	186111	20.0	19.2	
58 Tert-amyl methyl ether	73	4.976	4.976	0.000	93	205365	20.0	19.1	
59 1,2-Dichloroethane	62	4.992	4.992	0.000	96	69780	20.0	19.9	
60 n-Heptane	57	5.058	5.058	0.000	91	45186	20.0	20.1	
* 61 Fluorobenzene	96	5.181	5.181	0.000	99	580419	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	90	28887	500.0	494.8	
63 Trichloroethene	95	5.526	5.526	0.000	98	49055	20.0	19.1	
64 Ethyl acrylate	55	5.650	5.650	0.000	96	139693	20.0	19.2	
65 Methylcyclohexane	83	5.658	5.658	0.000	86	108113	20.0	19.9	
66 1,2-Dichloropropane	63	5.814	5.814	0.000	90	56419	20.0	20.0	
* 67 1,4-Dioxane-d8	96	5.880	5.880	0.000	0	34448	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	89	27363	40.0	37.3	
71 1,4-Dioxane	88	5.921	5.921	0.000	35	9744	400.0	370.6	
69 Dibromomethane	93	5.937	5.937	0.000	96	33400	20.0	19.0	
70 n-Propyl acetate	43	5.945	5.945	0.000	97	75967	20.0	19.3	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	65078	20.0	19.3	
74 2-Nitropropane	41	6.414	6.414	0.000	82	25223	40.0	33.3	
73 2-Chloroethyl vinyl ether	63	6.422	6.422	0.000	77	30180	20.0	18.9	
75 Epichlorohydrin	57	6.521	6.521	0.000	99	105941	400.0	400.9	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	94	81619	20.0	19.9	
77 4-Methyl-2-pentanone (MIBK)	43	6.742	6.742	0.000	97	305614	100.0	100.9	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	611930	50.0	50.8	
79 Toluene	91	6.899	6.899	0.000	94	224032	20.0	19.5	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	98	72133	20.0	20.3	
81 Ethyl methacrylate	69	7.277	7.277	0.000	91	69273	20.0	19.2	
82 1,1,2-Trichloroethane	83	7.457	7.457	0.000	96	40408	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.498	7.498	0.000	96	49626	20.0	19.6	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	94	82591	20.0	20.5	
85 2-Hexanone	43	7.728	7.728	0.000	95	185054	100.0	100.6	
86 n-Butyl acetate	43	7.852	7.852	0.000	99	90234	20.0	19.7	
87 Chlorodibromomethane	129	7.893	7.893	0.000	98	46425	20.0	20.0	
88 Ethylene Dibromide	107	8.041	8.041	0.000	98	46153	20.0	19.5	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	87	409316	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	94	143091	20.0	19.5	
91 Ethylbenzene	106	8.731	8.731	0.000	98	81103	20.0	19.7	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	95	53563	20.0	20.0	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	98211	20.0	19.8	
94 n-Butyl acrylate	73	9.364	9.364	0.000	98	46330	20.0	19.4	
95 o-Xylene	106	9.372	9.372	0.000	93	107258	20.0	19.9	
96 Styrene	104	9.405	9.405	0.000	96	163501	20.0	20.1	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	91	120862	20.0	19.4	
98 Bromoform	173	9.618	9.618	0.000	94	32100	20.0	19.3	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	268496	20.0	19.4	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	88	183303	50.0	50.5	
101 Bromobenzene	156	10.046	10.046	0.000	98	63589	20.0	19.4	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	75458	20.0	20.0	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	330172	20.0	19.5	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	97	22727	20.0	19.9	a
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	81	19254	20.0	20.3	
106 2-Chlorotoluene	91	10.202	10.202	0.000	97	224550	20.0	19.2	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	270935	20.0	19.5	
108 1,3,5-Trimethylbenzene	105	10.267	10.267	0.000	93	226996	20.0	19.4	
109 4-Chlorotoluene	91	10.300	10.300	0.000	97	203301	20.0	19.5	
110 Butyl Methacrylate	87	10.358	10.358	0.000	91	82231	20.0	19.3	
111 tert-Butylbenzene	119	10.506	10.506	0.000	95	173913	20.0	19.2	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	237363	20.0	19.2	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	294153	20.0	19.2	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	95	133328	20.0	19.9	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	257851	20.0	19.6	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	95	249760	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	137893	20.0	20.0	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	264343	20.0	20.0	
119 Benzyl chloride	91	10.941	10.941	0.000	99	150950	20.0	20.0	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	260547	20.0	20.1	
121 p-Diethylbenzene	119	11.032	11.032	0.000	93	142505	20.0	19.5	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	145538	20.0	19.4	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	96	142261	20.0	20.7	
124 1,2,4,5-Tetramethylbenzene	119	11.516	11.516	0.000	98	257678	20.0	19.6	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	96	18100	20.0	19.6	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	108006	20.0	19.9	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	95	104894	20.0	20.1	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	93	36790	20.0	19.7	
129 Naphthalene	128	12.215	12.215	0.000	99	285460	20.0	20.2	
130 1,2,3-Trichlorobenzene	180	12.371	12.371	0.000	95	97655	20.0	19.9	
S 131 1,2-Dichloroethene, Total	100				0		40.0	39.4	
S 132 Xylenes, Total	100				0		40.0	39.7	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

GASES Li_00401	Amount Added: 20.00	Units: uL	
ACROLEIN W_00118	Amount Added: 4.00	Units: uL	
524freon_00031	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00130	Amount Added: 20.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09453.D

Injection Date: 05-Jan-2021 17:46:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD20

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

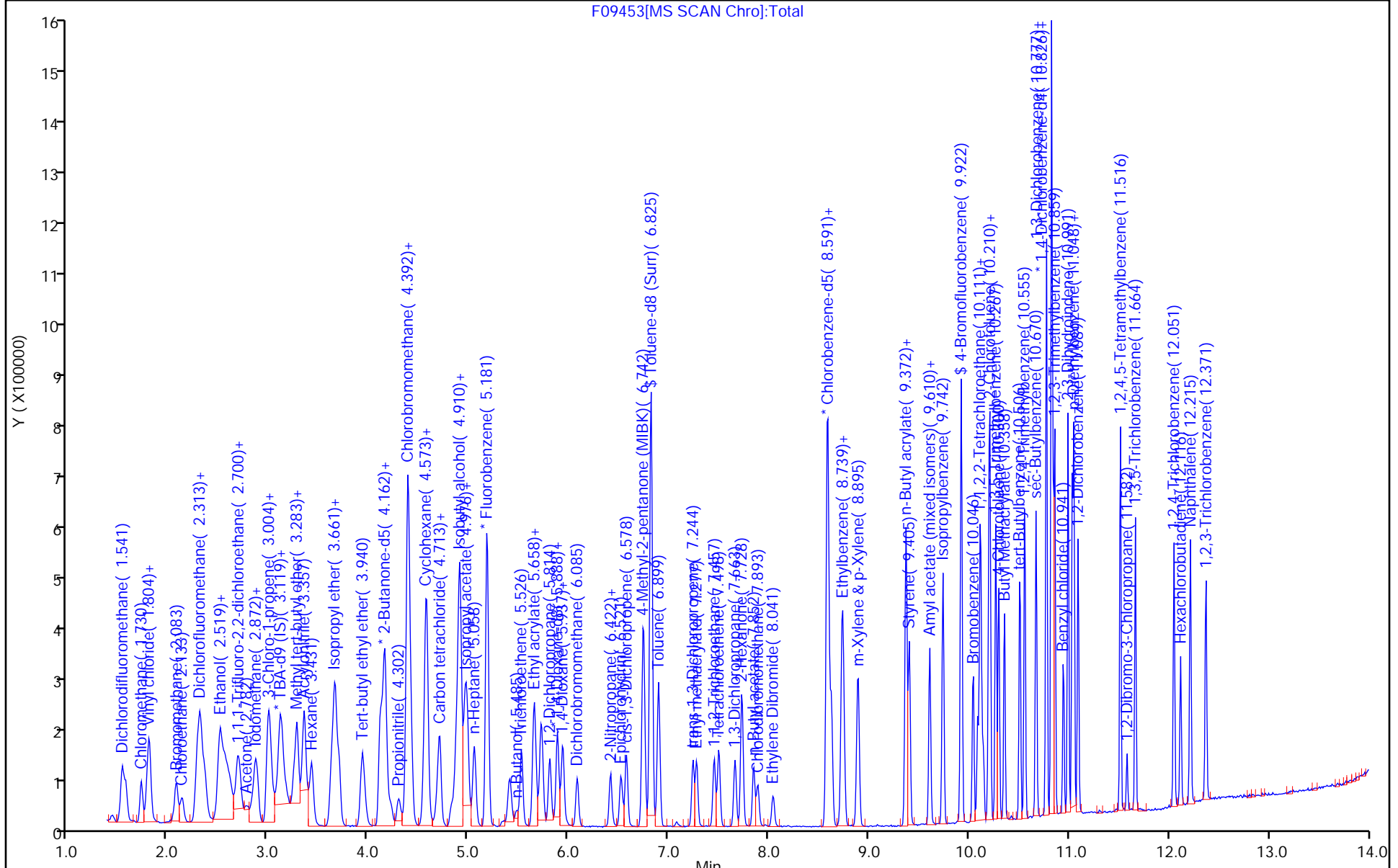
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09453.D  
Injection Date: 05-Jan-2021 17:46:30 Instrument ID: CVOAMS6  
Lims ID: STD20  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

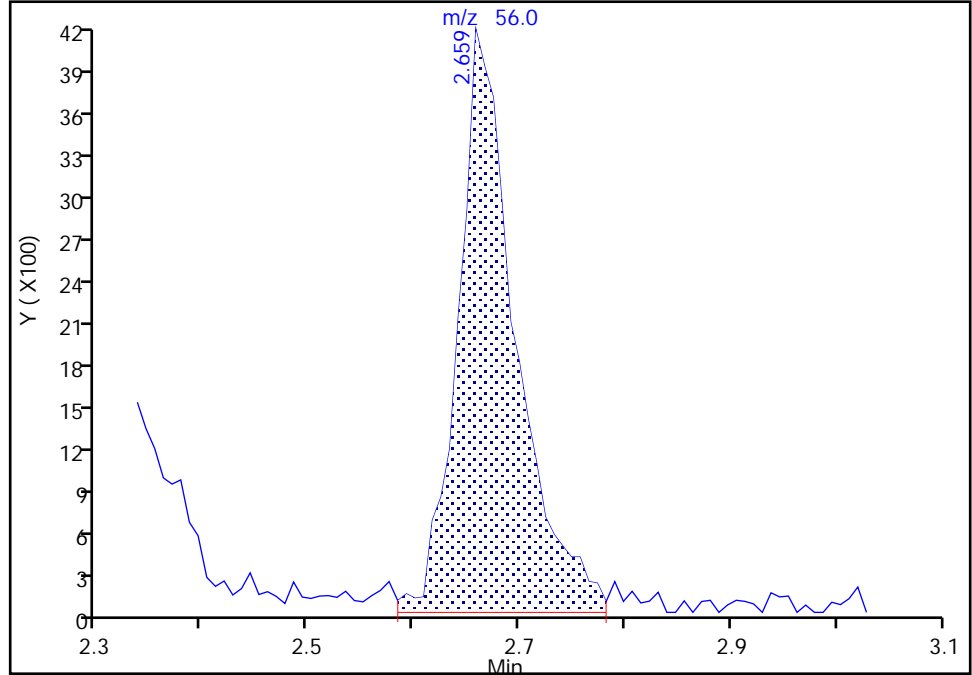
ALS Bottle#: 6 Worklist Smp#: 7  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

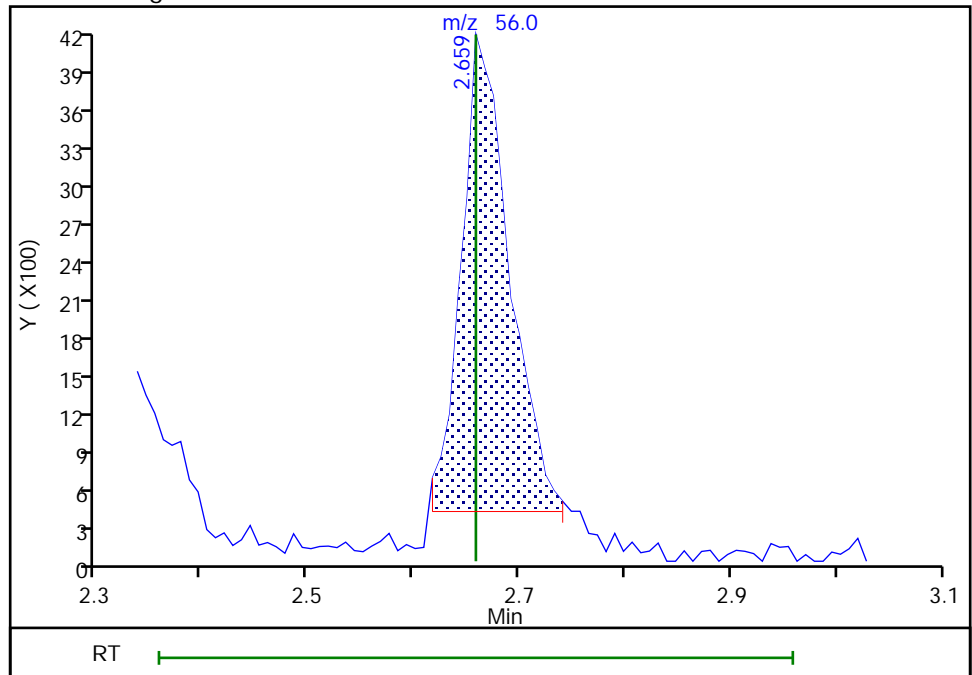
RT: 2.66  
Area: 15734  
Amount: 57.851427  
Amount Units: ug/l

Processing Integration Results



RT: 2.66  
Area: 11806  
Amount: 40.896565  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 08-Jan-2021 19:58:12  
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins TestAmerica, Edison

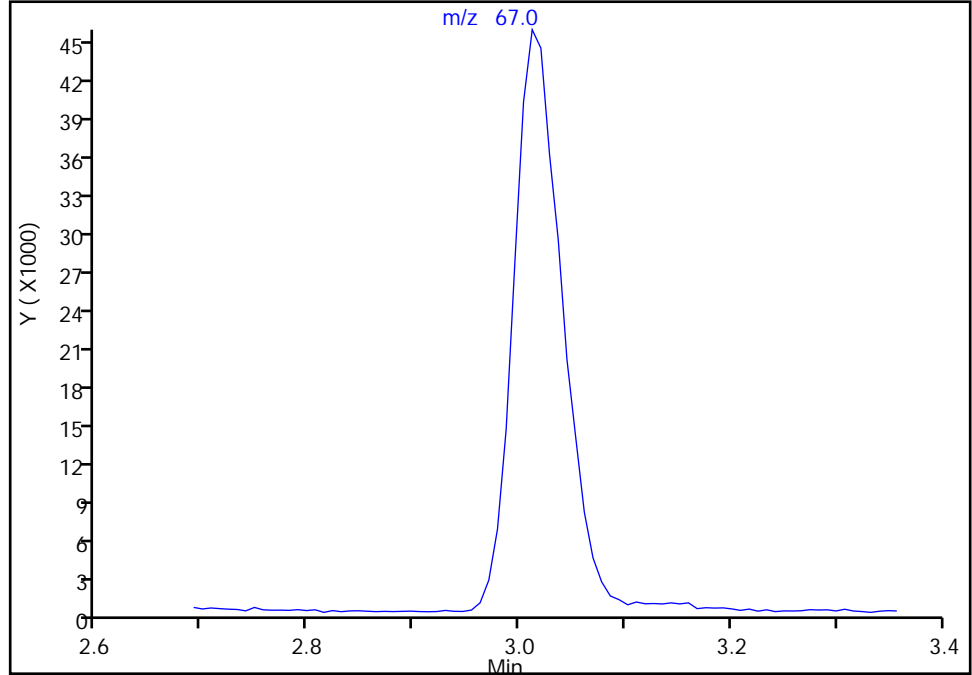
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Injection Date: 05-Jan-2021 17:46:30 Instrument ID: CVOAMS6  
Lims ID: STD20  
Client ID:  
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

24 Cyclopentene, CAS: 142-29-0

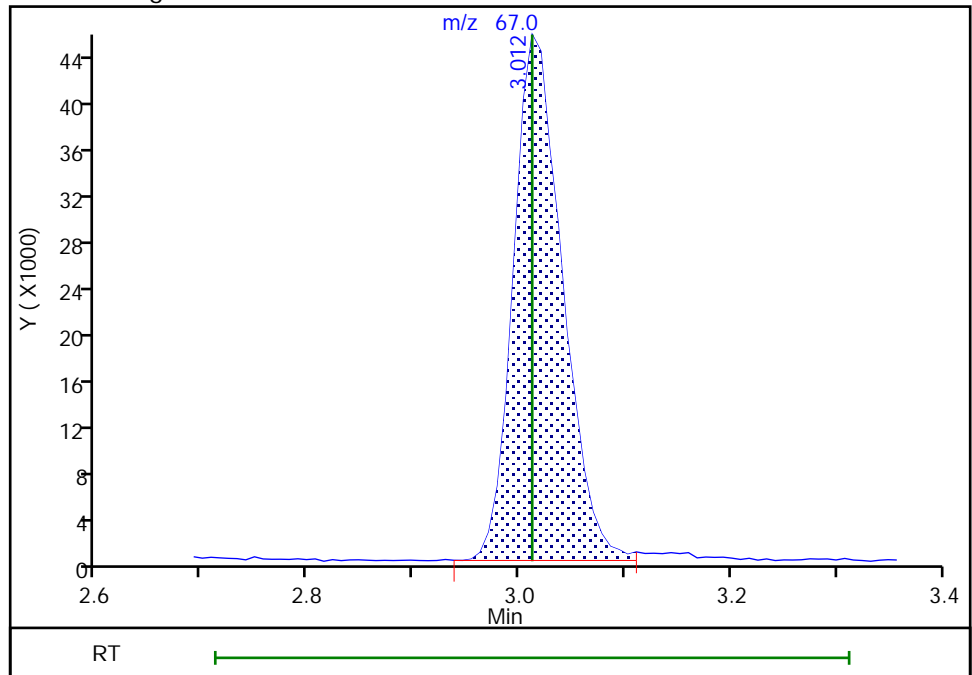
Signal: 1

Not Detected  
Expected RT: 3.01

Processing Integration Results



Manual Integration Results



RT: 3.01  
Area: 147432  
Amount: 19.616733  
Amount Units: ug/l

Eurofins TestAmerica, Edison

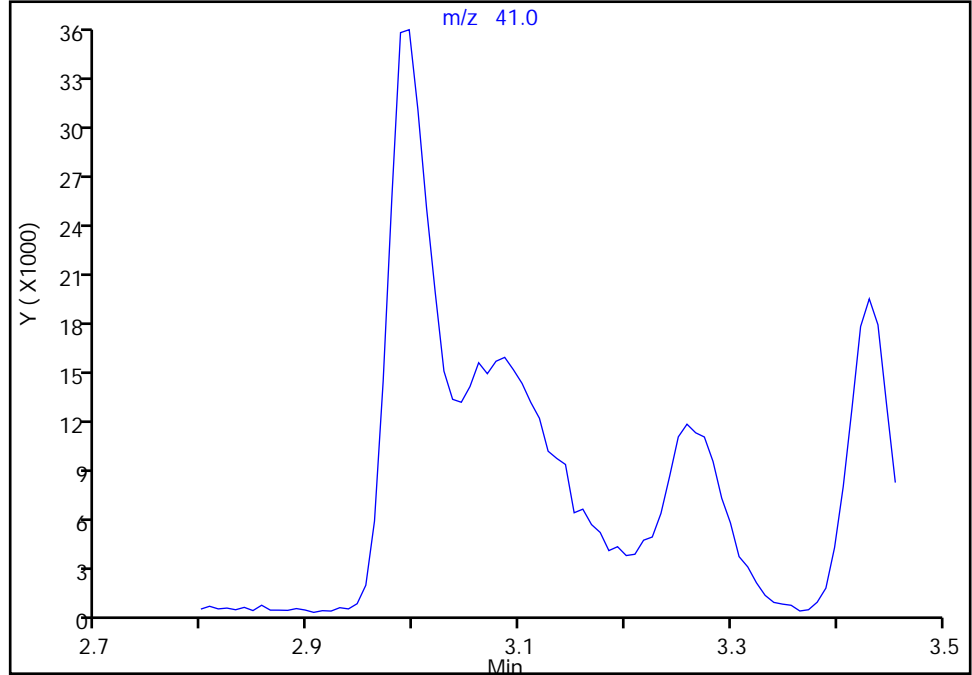
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Injection Date: 05-Jan-2021 17:46:30 Instrument ID: CVOAMS6  
Lims ID: STD20  
Client ID:  
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

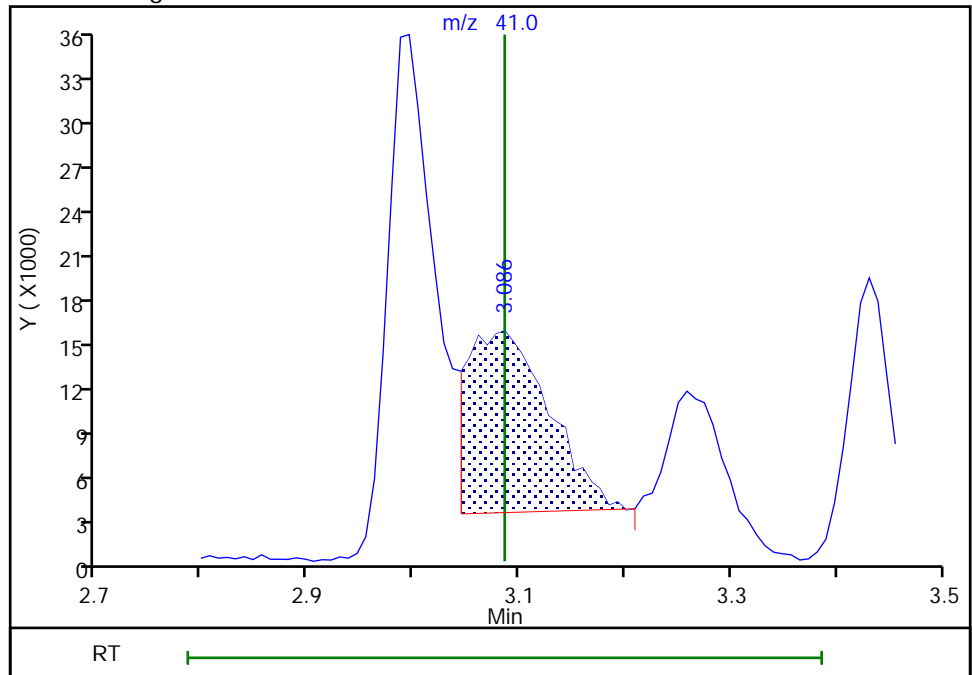
Not Detected  
Expected RT: 3.09

Processing Integration Results



RT: 3.09  
Area: 65835  
Amount: 157.1355  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 17:50:51  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

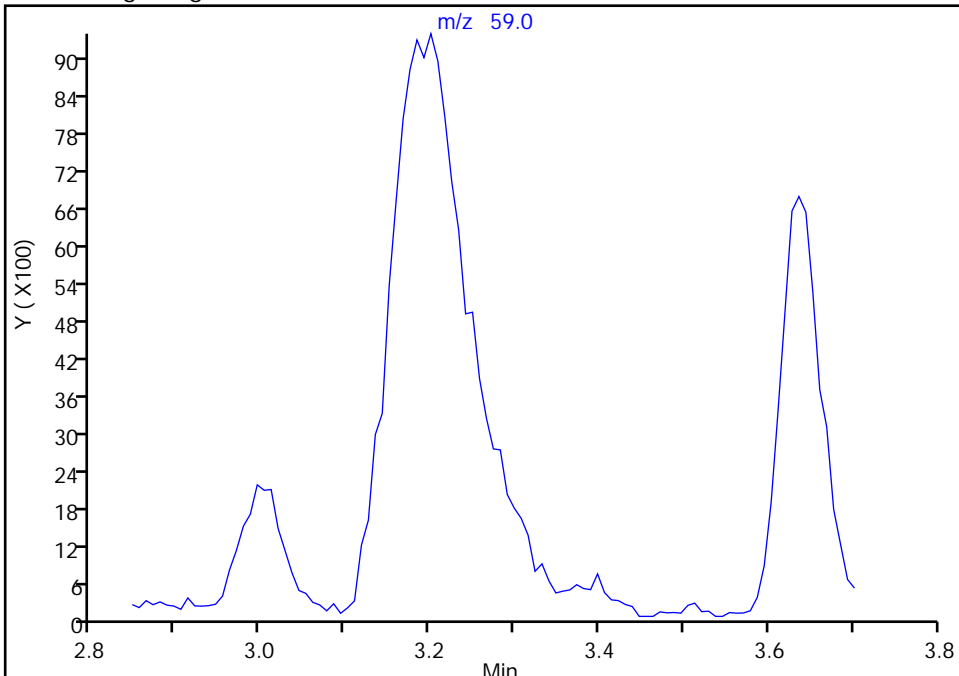
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Injection Date: 05-Jan-2021 17:46:30 Instrument ID: CVOAMS6  
Lims ID: STD20  
Client ID:  
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

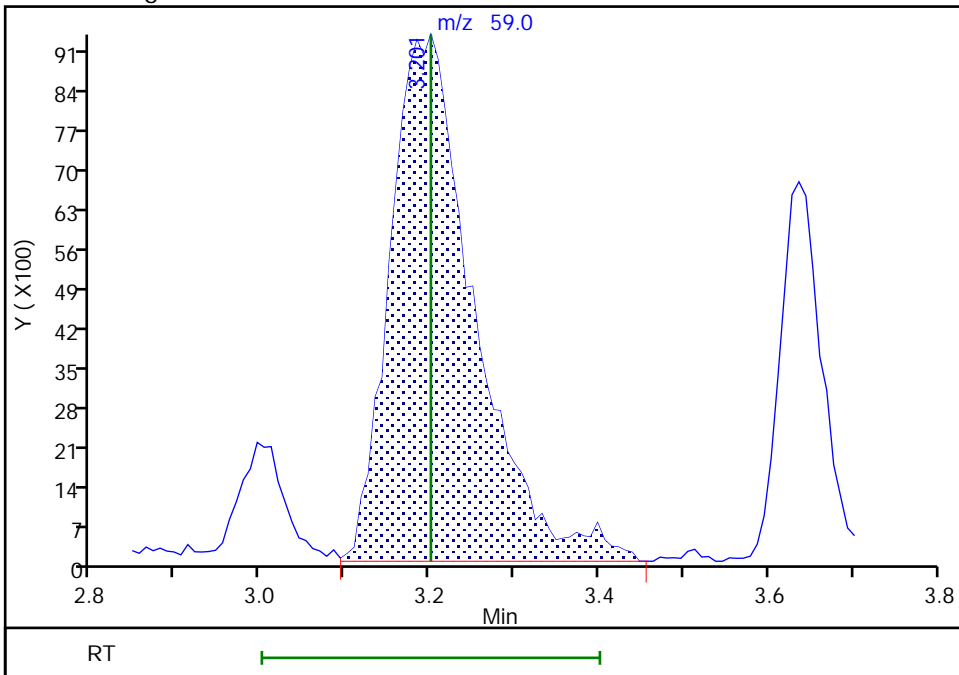
Not Detected  
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.20  
Area: 64594  
Amount: 192.6192  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 17:50:26  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected



Eurofins TestAmerica, Edison

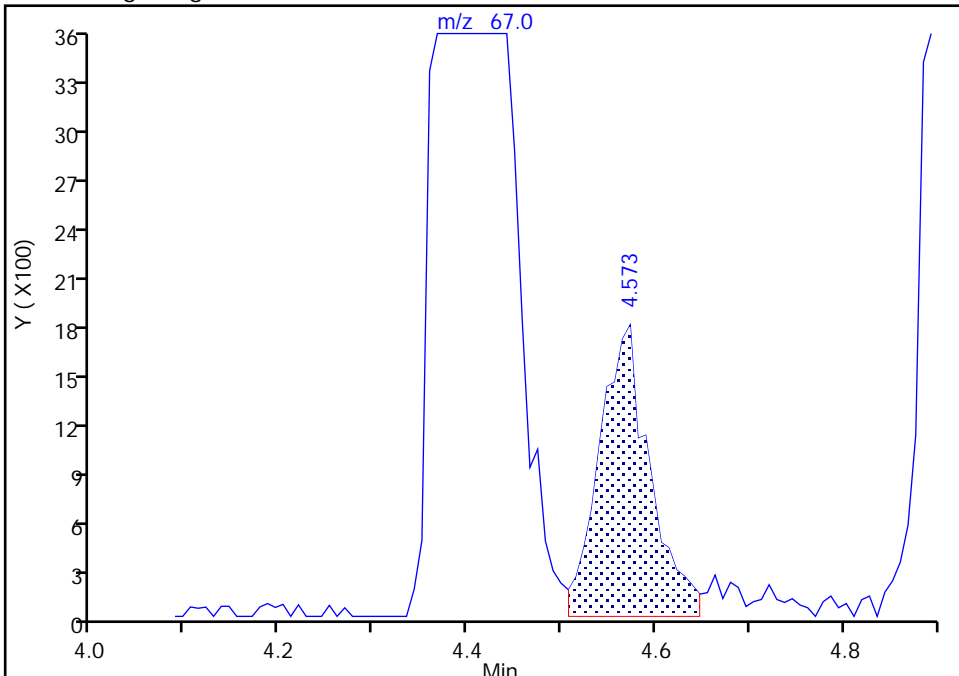
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Injection Date: 05-Jan-2021 17:46:30 Instrument ID: CVOAMS6  
Lims ID: STD20  
Client ID:  
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

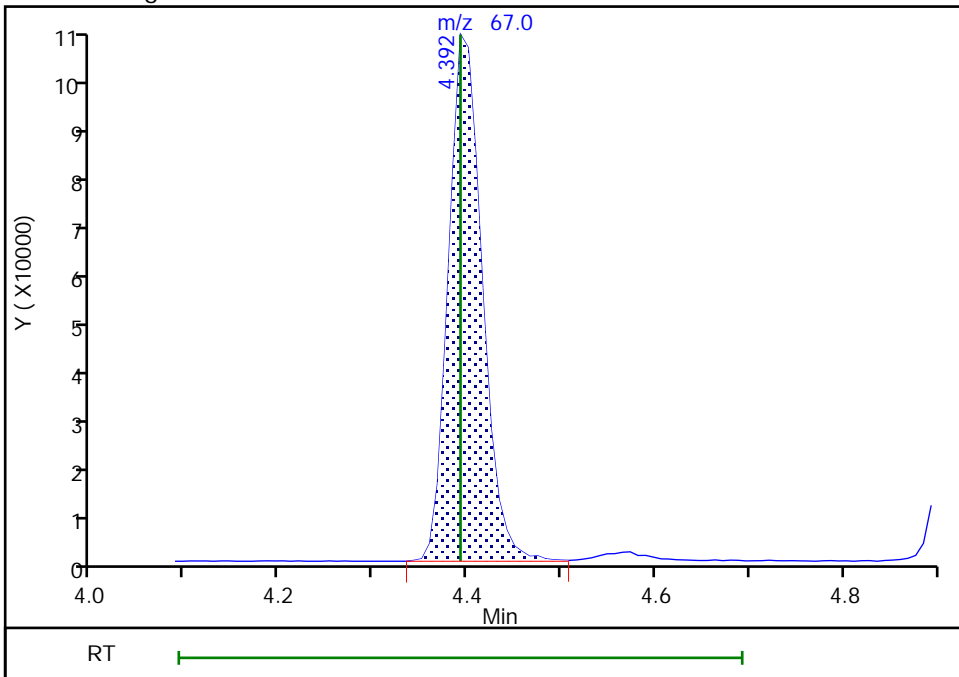
RT: 4.57  
Area: 6725  
Amount: 6.227599  
Amount Units: ug/l

Processing Integration Results



RT: 4.39  
Area: 250386  
Amount: 195.1687  
Amount Units: ug/l

Manual Integration Results



Eurofins TestAmerica, Edison

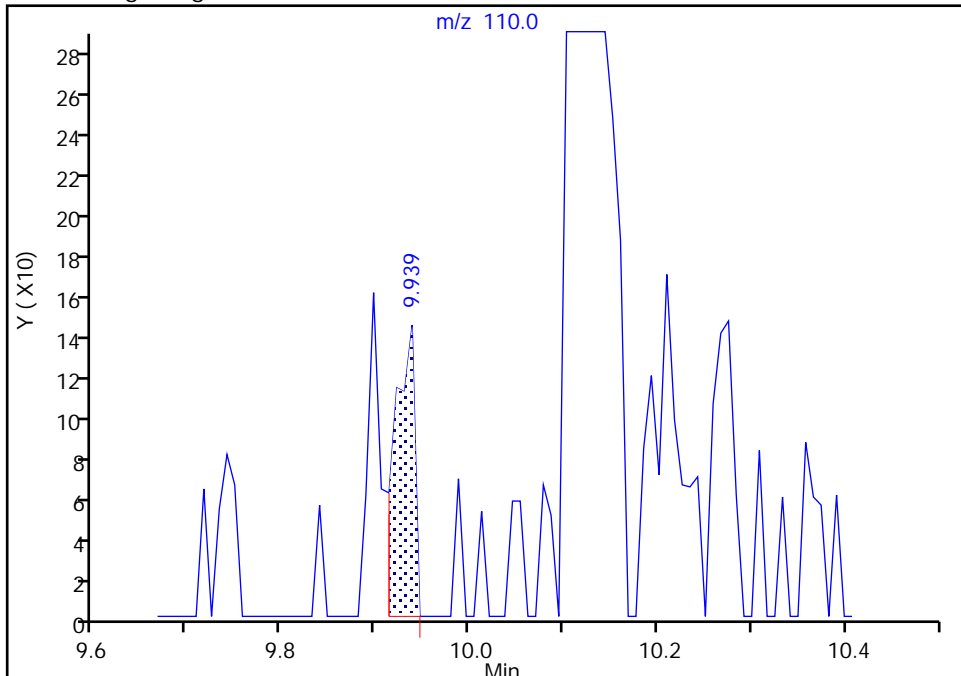
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Injection Date: 05-Jan-2021 17:46:30 Instrument ID: CVOAMS6  
Lims ID: STD20  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 6 Worklist Smp#: 7  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4  
Signal: 1

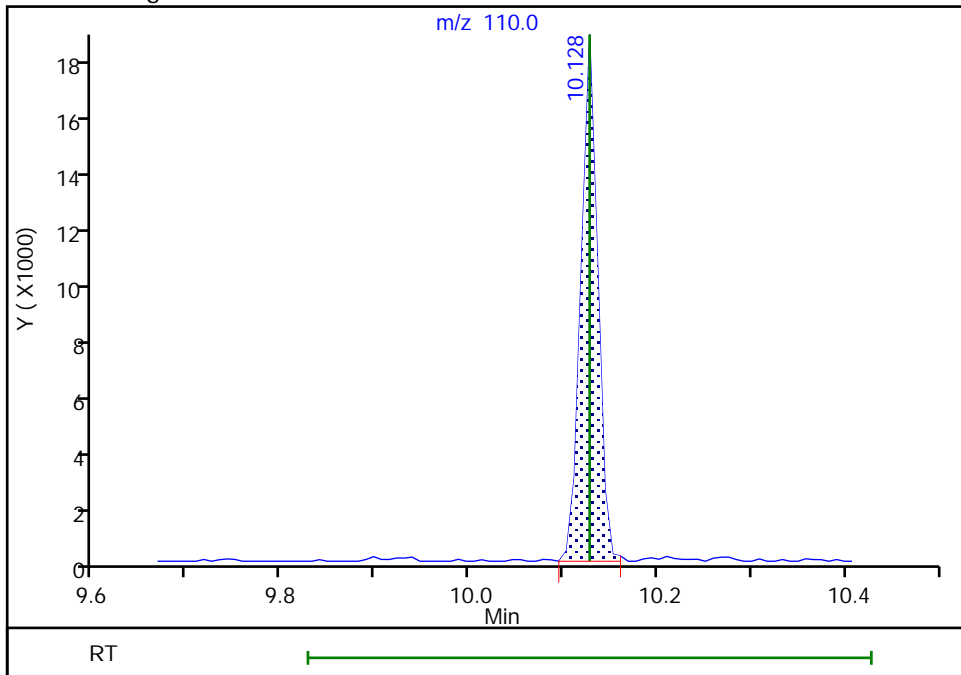
RT: 9.94  
Area: 211  
Amount: 0.502531  
Amount Units: ug/l

Processing Integration Results



RT: 10.13  
Area: 22727  
Amount: 19.947963  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:22:34  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09454.D  
 Lims ID: STD50  
 Client ID:  
 Sample Type: IC Calib Level: 4  
 Inject. Date: 05-Jan-2021 18:11:30 ALS Bottle#: 7 Worklist Smp#: 8  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD50  
 Misc. Info.: 460-0122504-008  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:22:57 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 06-Jan-2021 18:00:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.558	1.566	-0.008	98	266694	50.0	55.6	
2 Chloromethane	50	1.730	1.730	0.000	99	313917	50.0	51.3	
4 Vinyl chloride	62	1.804	1.804	0.000	98	295003	50.0	53.2	
3 Butadiene	54	1.812	1.812	0.000	97	272986	50.0	56.9	
5 Bromomethane	94	2.075	2.075	0.000	99	187367	50.0	50.2	
6 Chloroethane	64	2.133	2.133	0.000	99	181297	50.0	52.6	
7 Dichlorofluoromethane	67	2.289	2.289	0.000	99	382298	50.0	52.5	
8 Trichlorofluoromethane	101	2.305	2.305	0.000	95	290748	50.0	56.0	
9 Pentane	72	2.322	2.330	-0.008	97	81926	100.0	109.6	
10 Ethyl ether	59	2.494	2.494	0.000	94	151636	50.0	47.2	
11 Ethanol	46	2.503	2.494	0.009	71	32585	2000.0	1880.1	
12 2-Methyl-1,3-butadiene	53	2.519	2.519	0.000	95	184669	50.0	56.2	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.560	2.560	0.000	92	165883	50.0	49.3	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.609	2.609	0.000	92	251349	50.0	46.9	
15 Acrolein	56	2.667	2.659	0.008	92	31138	100.0	100.9	
16 112TCTFE	101	2.692	2.683	0.009	91	156920	50.0	51.4	
17 1,1-Dichloroethene	96	2.708	2.708	0.000	98	155469	50.0	47.9	
18 Acetone	43	2.782	2.782	0.000	87	244019	250.0	216.1	
19 Iodomethane	142	2.856	2.856	0.000	97	261800	50.0	50.1	
20 Isopropyl alcohol	45	2.872	2.872	0.000	26	76404	500.0	490.9	
21 Carbon disulfide	76	2.881	2.880	0.001	99	586369	50.0	49.4	
22 3-Chloro-1-propene	41	2.987	2.995	-0.008	91	332405	50.0	47.0	
23 Methyl acetate	43	2.996	2.995	0.001	99	242880	100.0	95.2	a
24 Cyclopentene	67	3.012	3.012	0.000	95	437738	50.0	52.5	
25 Acetonitrile	41	3.070	3.086	-0.016	19	243980	500.0	576.5	a
26 Methylene Chloride	84	3.119	3.119	0.000	93	189587	50.0	47.9	
* 27 TBA-d9 (IS)	65	3.135	3.127	0.008	0	350156	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.185	3.201	-0.016	94	167421	500.0	494.3	a
29 Methyl tert-butyl ether	73	3.267	3.267	0.000	97	482239	50.0	48.0	
30 trans-1,2-Dichloroethene	96	3.291	3.291	0.000	95	170458	50.0	48.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.357	3.357	0.000	95	730715	500.0	481.0	
32 Hexane	43	3.431	3.431	0.000	94	148117	50.0	50.7	
33 Isopropyl ether	45	3.637	3.636	0.001	91	540371	50.0	49.6	
34 1,1-Dichloroethane	63	3.661	3.661	0.000	98	294200	50.0	49.1	
35 Vinyl acetate	86	3.669	3.669	0.000	100	69469	100.0	94.1	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	91	142618	50.0	50.6	
37 Tert-butyl ethyl ether	59	3.941	3.940	0.001	89	508511	50.0	49.4	
* 38 2-Butanone-d5	46	4.121	4.113	0.008	0	388041	250.0	250.0	
39 2,2-Dichloropropane	97	4.154	4.146	0.008	93	58320	50.0	51.4	
40 cis-1,2-Dichloroethene	96	4.162	4.162	0.000	96	176790	50.0	48.4	
42 2-Butanone (MEK)	72	4.171	4.171	0.001	96	96753	250.0	235.8	
41 Ethyl acetate	70	4.171	4.171	0.001	93	32960	100.0	101.4	
43 Methyl acrylate	55	4.220	4.228	-0.008	99	127697	50.0	48.5	
44 Propionitrile	54	4.294	4.302	-0.008	98	263386	500.0	514.2	
45 Chlorobromomethane	128	4.376	4.376	0.000	88	87469	50.0	48.6	
46 Tetrahydrofuran	72	4.376	4.384	-0.008	61	45751	100.0	92.9	
47 Methacrylonitrile	67	4.401	4.392	0.009	93	705173	500.0	495.3	a
48 Chloroform	83	4.425	4.425	0.000	98	264915	50.0	49.2	
49 Cyclohexane	84	4.565	4.565	0.000	91	296574	50.0	53.7	
\$ 51 Dibromofluoromethane (Surr)	113	4.581	4.581	0.000	96	171770	50.0	49.3	
50 1,1,1-Trichloroethane	97	4.573	4.581	-0.008	87	244000	50.0	50.5	
52 Carbon tetrachloride	117	4.688	4.688	0.000	96	187655	50.0	50.8	
53 1,1-Dichloropropene	75	4.713	4.713	0.000	97	207073	50.0	51.0	
54 Isobutyl alcohol	43	4.885	4.877	0.008	96	263548	1250.0	1314.7	
55 Benzene	78	4.902	4.902	0.000	97	630310	50.0	49.2	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	201077	50.0	49.4	
57 Isopropyl acetate	43	4.968	4.959	0.009	96	527319	50.0	49.1	
58 Tert-amyl methyl ether	73	4.976	4.976	0.000	97	595870	50.0	50.0	
59 1,2-Dichloroethane	62	4.992	4.992	0.000	96	195096	50.0	50.2	
60 n-Heptane	57	5.058	5.058	0.000	91	136211	50.0	54.6	
* 61 Fluorobenzene	96	5.181	5.181	0.000	99	644186	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	86	86791	1250.0	1395.8	
63 Trichloroethene	95	5.526	5.526	0.000	98	142515	50.0	50.1	
64 Ethyl acrylate	55	5.650	5.650	0.000	96	414640	50.0	51.2	
65 Methylcyclohexane	83	5.658	5.658	0.000	86	330697	50.0	55.0	
66 1,2-Dichloropropane	63	5.814	5.814	0.000	91	157289	50.0	50.2	
* 67 1,4-Dioxane-d8	96	5.872	5.880	-0.008	0	32427	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	89	79763	100.0	97.9	
71 1,4-Dioxane	88	5.929	5.921	0.008	30	24833	1000.0	1003.3	
69 Dibromomethane	93	5.937	5.937	0.000	96	92553	50.0	47.4	
70 n-Propyl acetate	43	5.945	5.945	0.000	99	216049	50.0	49.4	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	185159	50.0	49.4	
74 2-Nitropropane	41	6.414	6.414	0.000	81	72456	100.0	86.2	
73 2-Chloroethyl vinyl ether	63	6.422	6.422	0.000	75	85393	50.1	48.3	
75 Epichlorohydrin	57	6.521	6.521	0.000	99	298425	1000.0	970.6	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	93	232828	50.0	49.2	
77 4-Methyl-2-pentanone (MIBK)	43	6.751	6.742	0.009	97	915518	250.0	259.8	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	698447	50.0	50.3	
79 Toluene	91	6.899	6.899	0.000	93	658647	50.0	49.6	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	95	203491	50.0	49.7	
81 Ethyl methacrylate	69	7.277	7.277	0.001	91	207454	50.0	49.7	
82 1,1,2-Trichloroethane	83	7.457	7.457	0.000	95	112591	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.498	7.498	0.000	97	146893	50.0	50.2	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	94	225494	50.0	48.5	
85 2-Hexanone	43	7.729	7.728	0.001	96	539933	250.0	252.3	
86 n-Butyl acetate	43	7.852	7.852	0.000	99	258969	50.0	49.1	
87 Chlorodibromomethane	129	7.893	7.893	0.000	98	132729	50.0	49.6	
88 Ethylene Dibromide	107	8.041	8.041	0.000	98	130189	50.0	47.7	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	86	472500	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	95	413806	50.0	48.8	
91 Ethylbenzene	106	8.731	8.731	0.000	98	239725	50.0	50.4	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	96	154612	50.0	49.9	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	296877	50.0	51.9	
94 n-Butyl acrylate	73	9.372	9.364	0.008	97	138810	50.0	50.3	
95 o-Xylene	106	9.372	9.372	0.000	94	315588	50.0	50.7	
96 Styrene	104	9.405	9.405	0.000	96	482621	50.0	51.3	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	91	370267	50.0	51.4	
98 Bromoform	173	9.610	9.618	-0.008	97	94689	50.0	49.3	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	832562	50.0	52.2	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	88	209828	50.0	50.0	
101 Bromobenzene	156	10.046	10.046	0.000	98	183027	50.0	48.2	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	216737	50.0	49.6	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	1000096	50.0	51.0	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	99	60568	50.0	45.9	a
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	83	56562	50.0	51.4	
106 2-Chlorotoluene	91	10.202	10.202	0.000	96	665839	50.0	49.2	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	817153	50.0	50.7	
108 1,3,5-Trimethylbenzene	105	10.268	10.267	0.001	94	694048	50.0	51.1	
109 4-Chlorotoluene	91	10.300	10.300	0.000	97	589303	50.0	48.8	
110 Butyl Methacrylate	87	10.358	10.358	0.000	91	254967	50.0	51.6	
111 tert-Butylbenzene	119	10.506	10.506	0.000	95	537437	50.0	51.1	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	731104	50.0	51.0	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	936310	50.0	52.8	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	94	385071	50.0	49.5	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	801000	50.0	52.4	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	95	289488	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	390508	50.0	48.8	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	779060	50.0	50.9	
119 Benzyl chloride	91	10.941	10.941	0.000	98	451768	50.0	51.6	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	764108	50.0	50.8	
121 p-Diethylbenzene	119	11.032	11.032	0.000	93	435931	50.0	51.4	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	451197	50.0	51.8	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	95	399095	50.0	50.1	
124 1,2,4,5-Tetramethylbenzene	119	11.517	11.516	0.001	97	774827	50.0	50.9	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	96	51323	50.0	47.9	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	310579	50.0	49.3	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	298063	50.0	49.2	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	93	109376	50.0	50.6	
129 Naphthalene	128	12.215	12.215	0.000	99	819258	50.0	49.9	
130 1,2,3-Trichlorobenzene	180	12.371	12.371	0.000	96	278787	50.0	48.9	
S 131 1,2-Dichloroethene, Total	100				0		100.0	96.8	
S 132 Xylenes, Total	100				0		100.0	102.6	

[QC Flag Legend](#)

Processing Flags

Review Flags

a - User Assigned ID

[Reagents:](#)

GASES Li_00401	Amount Added: 50.00	Units: uL	
ACROLEIN W_00118	Amount Added: 10.00	Units: uL	
524freon_00031	Amount Added: 50.00	Units: uL	
8260MIX1COMB_00130	Amount Added: 50.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromf\Edison\ChromData\CVOAMS6\20210105-122504.b\F09454.D

Injection Date: 05-Jan-2021 18:11:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD50

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

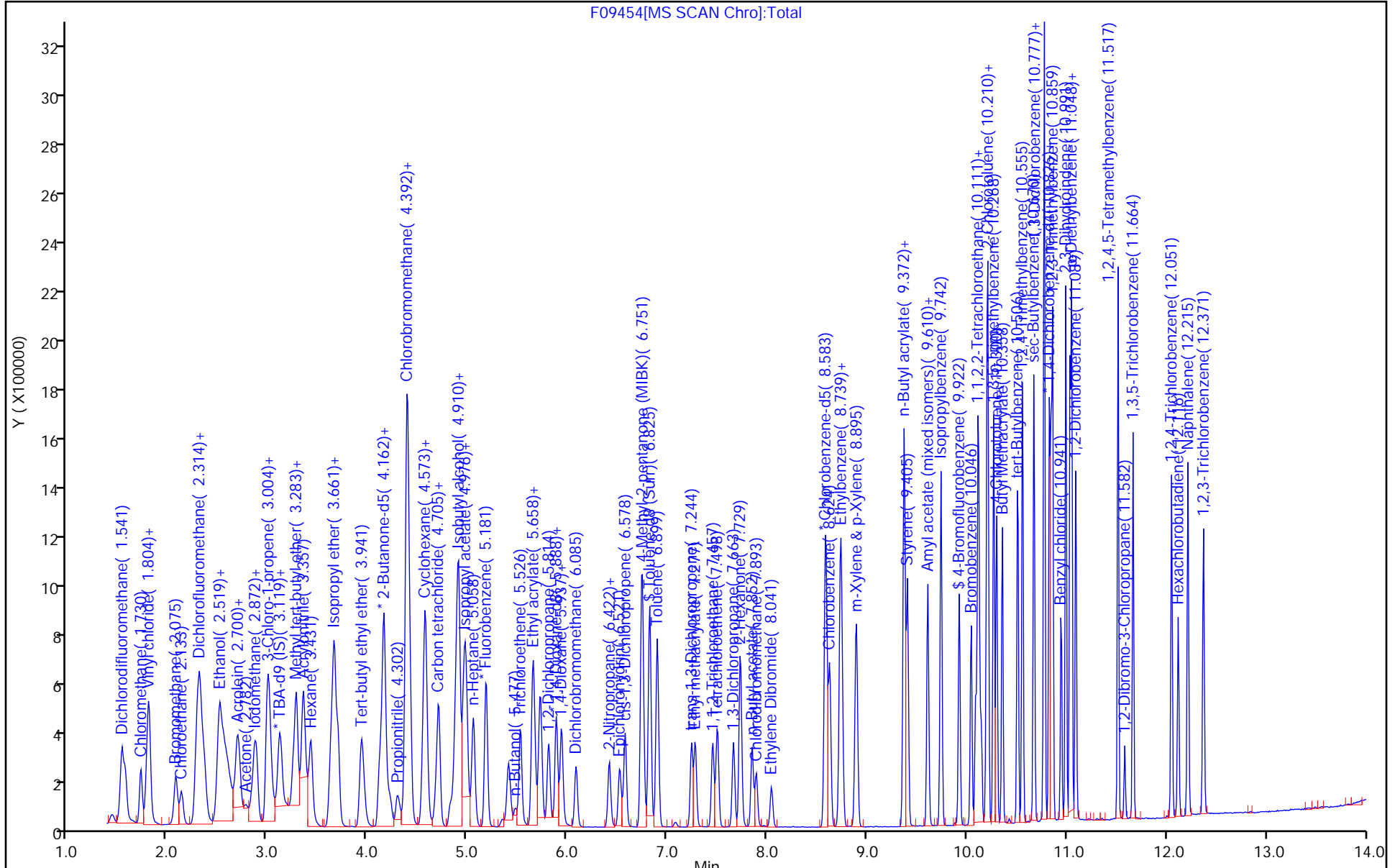
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)



F09454[MS SCAN Chro]:Total

Eurofins TestAmerica, Edison

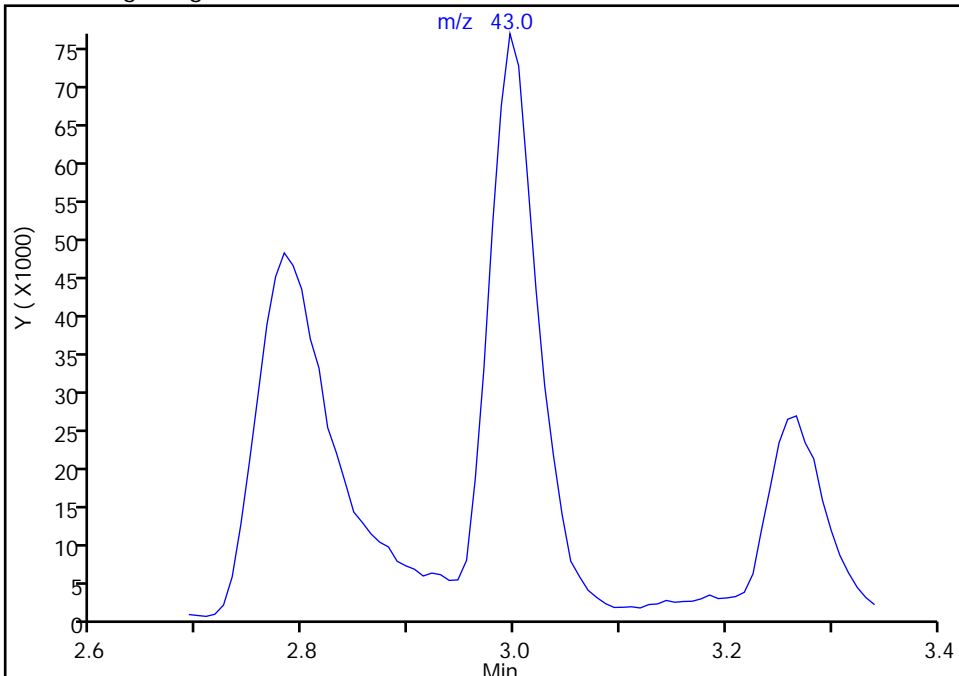
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Injection Date: 05-Jan-2021 18:11:30 Instrument ID: CVOAMS6  
Lims ID: STD50  
Client ID:  
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

23 Methyl acetate, CAS: 79-20-9

Signal: 1

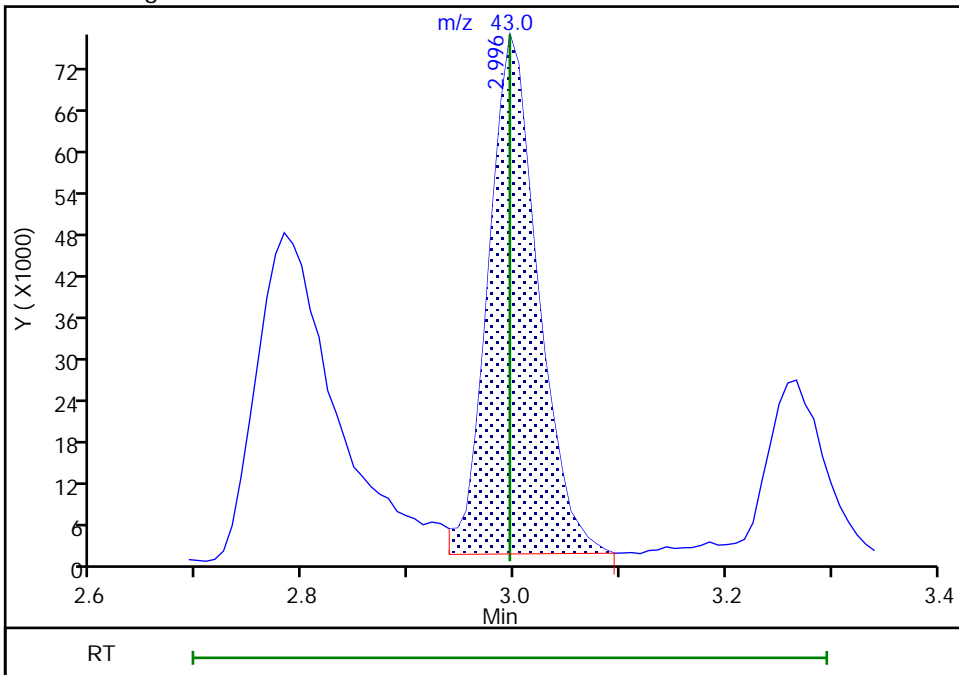
Not Detected  
Expected RT: 3.00

Processing Integration Results



RT: 3.00  
Area: 242880  
Amount: 95.158279  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:11:29  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected



Eurofins TestAmerica, Edison

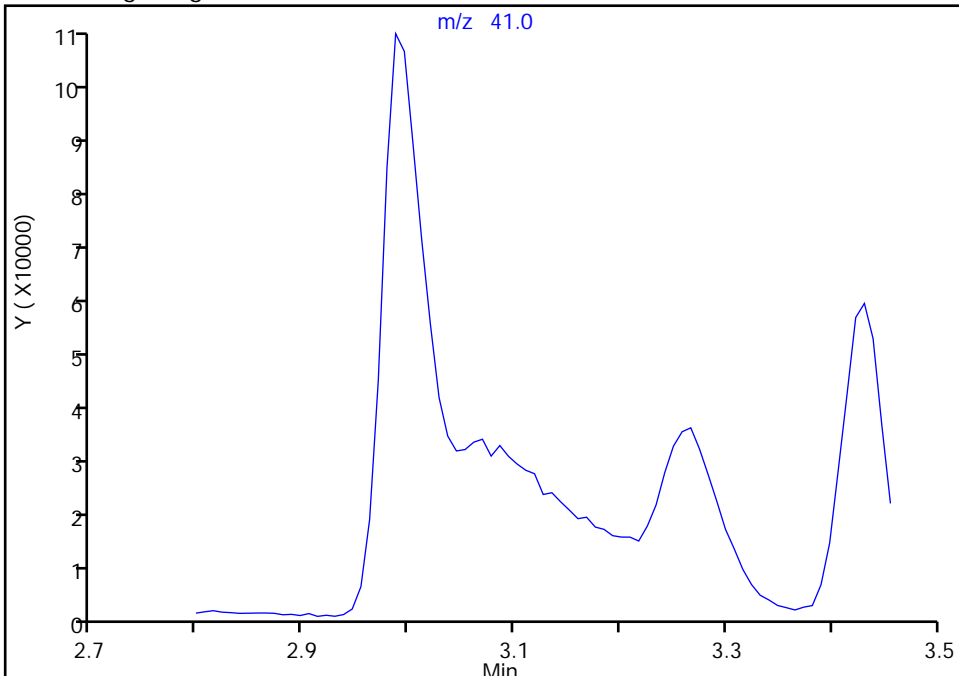
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Injection Date: 05-Jan-2021 18:11:30 Instrument ID: CVOAMS6  
Lims ID: STD50  
Client ID:  
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

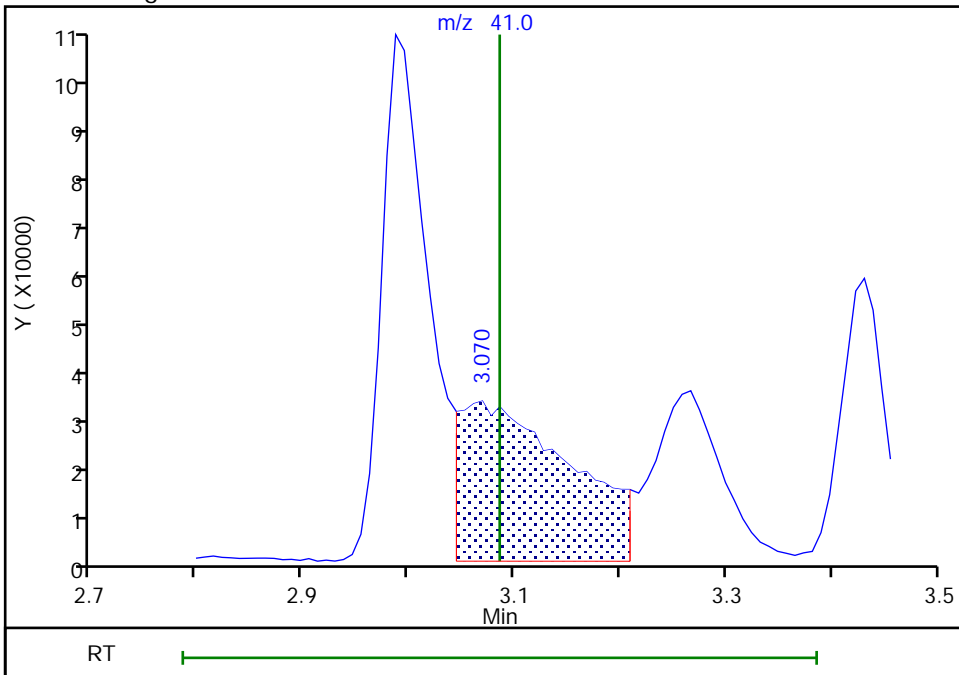
Not Detected  
Expected RT: 3.09

Processing Integration Results



RT: 3.07  
Area: 243980  
Amount: 576.5092  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:05:31  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

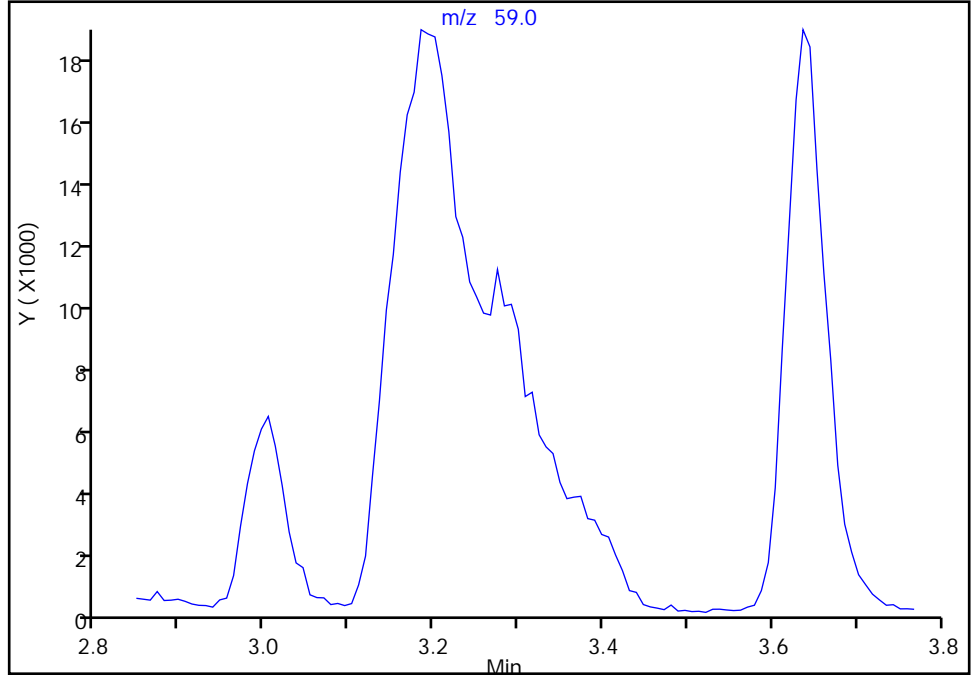
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Injection Date: 05-Jan-2021 18:11:30 Instrument ID: CVOAMS6  
Lims ID: STD50  
Client ID:  
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

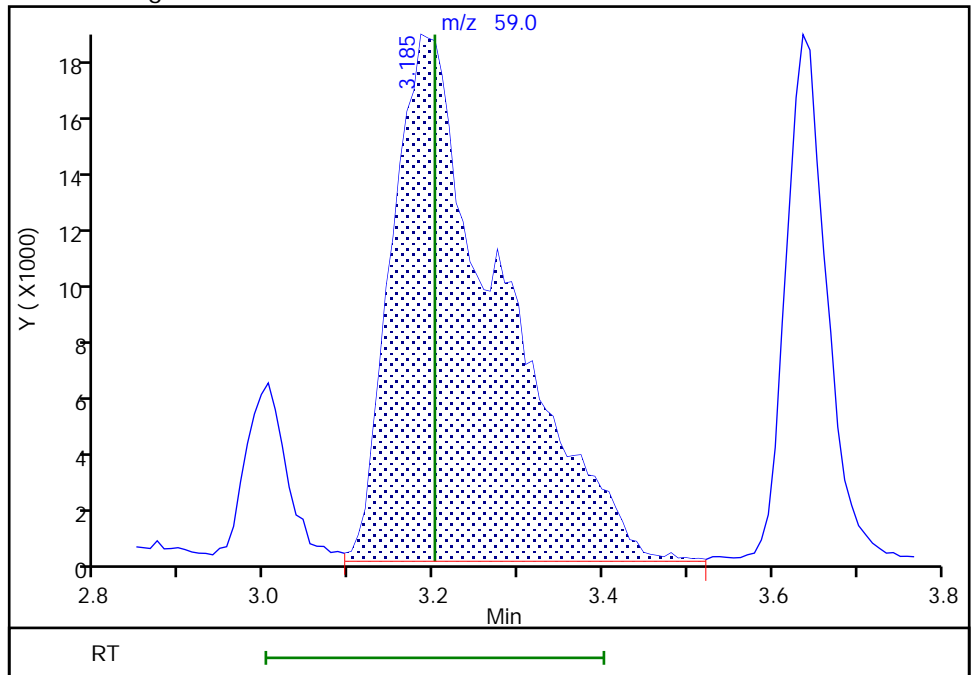
Not Detected  
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.18  
Area: 167421  
Amount: 494.2560  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:05:21  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09454.D  
Injection Date: 05-Jan-2021 18:11:30 Instrument ID: CVOAMS6  
Lims ID: STD50  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

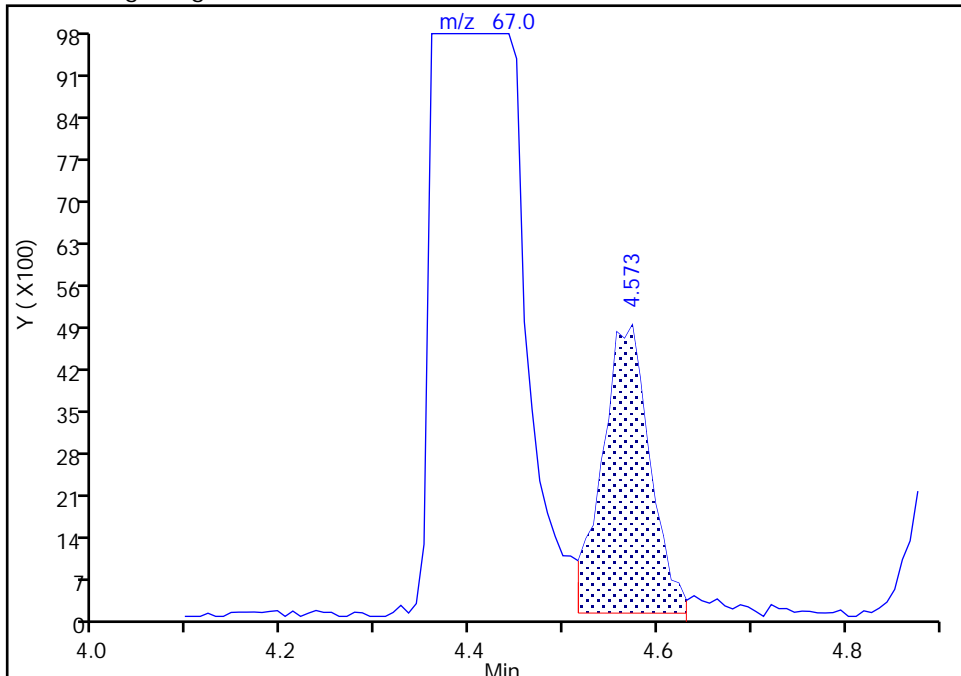
ALS Bottle#: 7 Worklist Smp#: 8  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

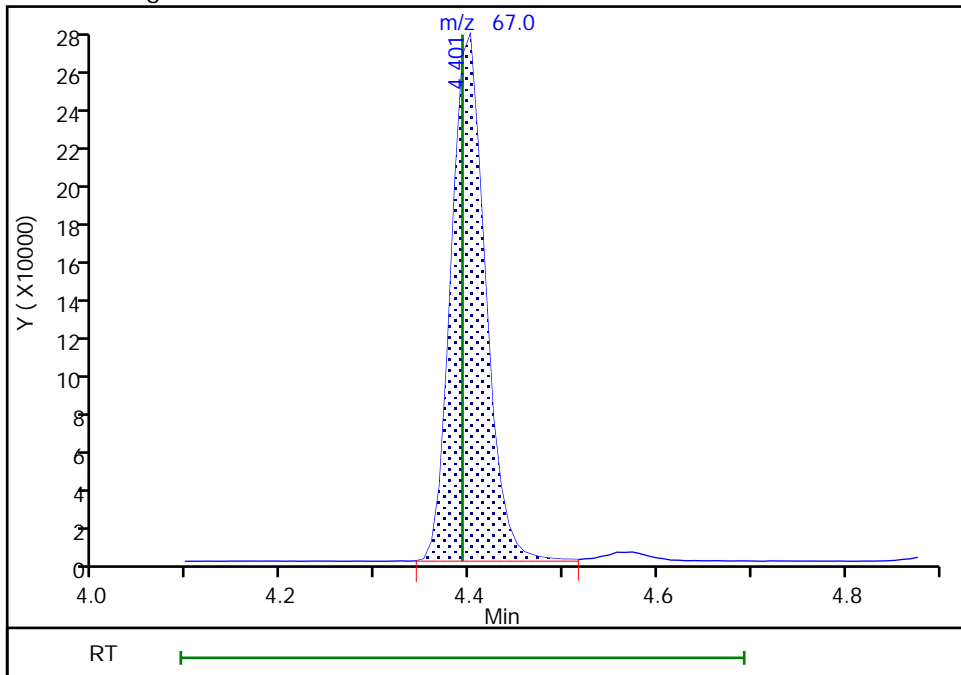
RT: 4.57  
Area: 17129  
Amount: 17.674051  
Amount Units: ug/l

Processing Integration Results



RT: 4.40  
Area: 705173  
Amount: 495.2518  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:00:17  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

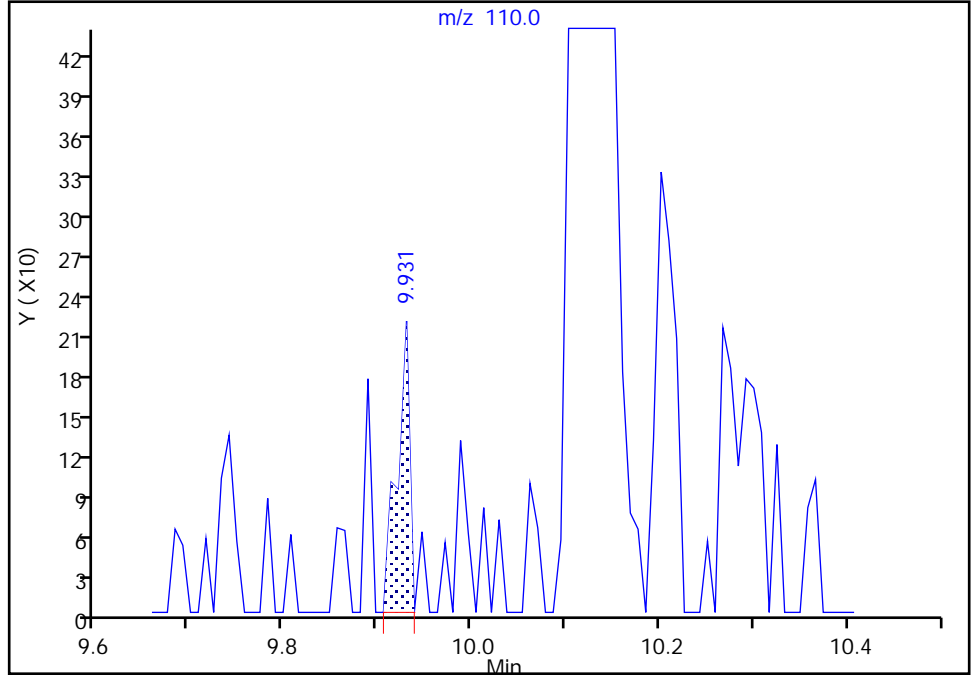
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Injection Date: 05-Jan-2021 18:11:30 Instrument ID: CVOAMS6  
Lims ID: STD50  
Client ID:  
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

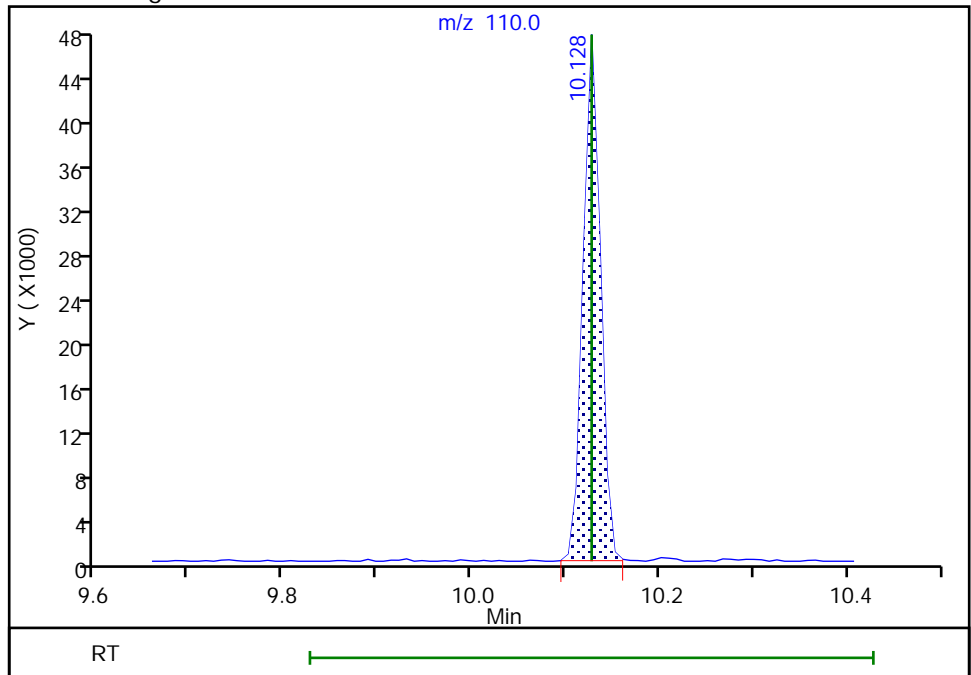
RT: 9.93  
Area: 200  
Amount: 0.284034  
Amount Units: ug/l

Processing Integration Results



RT: 10.13  
Area: 60568  
Amount: 45.866119  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:23:25  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
 Lims ID: STD200  
 Client ID:  
 Sample Type: IC Calib Level: 5  
 Inject. Date: 05-Jan-2021 18:35:30 ALS Bottle#: 8 Worklist Smp#: 9  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD200  
 Misc. Info.: 460-0122504-009  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:23:16 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 06-Jan-2021 17:49:39

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	1.566	-0.017	98	1097061	200.0	220.3	
2 Chloromethane	50	1.714	1.730	-0.016	99	1200767	200.0	189.0	
4 Vinyl chloride	62	1.788	1.804	-0.016	98	1146235	200.0	199.1	
3 Butadiene	54	1.796	1.812	-0.016	97	1064405	200.0	213.8	
5 Bromomethane	94	2.067	2.075	-0.008	99	723179	200.0	186.4	
6 Chloroethane	64	2.125	2.133	-0.008	100	683712	200.0	190.9	
7 Dichlorofluoromethane	67	2.281	2.289	-0.008	99	1493044	200.0	197.3	
8 Trichlorofluoromethane	101	2.289	2.305	-0.016	97	1116588	200.0	207.2	
9 Pentane	72	2.314	2.330	-0.016	96	317807	400.0	379.3	
10 Ethyl ether	59	2.486	2.494	-0.008	94	598406	200.0	179.2	
11 Ethanol	46	2.486	2.494	-0.008	69	142083	8000.0	7313.2	
12 2-Methyl-1,3-butadiene	53	2.511	2.519	-0.008	96	732293	200.0	214.5	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.552	2.560	-0.008	91	679614	200.0	194.5	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.601	2.609	-0.008	95	1084222	200.0	194.6	
15 Acrolein	56	2.650	2.659	-0.009	91	72414	200.0	197.3	
16 112TCTFE	101	2.675	2.683	-0.008	94	693328	200.0	218.5	
17 1,1-Dichloroethene	96	2.700	2.708	-0.008	97	672346	200.0	199.4	
18 Acetone	43	2.765	2.782	-0.017	86	1290157	1000.0	1070.9	
19 Iodomethane	142	2.848	2.856	-0.008	97	1025152	200.0	188.9	
20 Isopropyl alcohol	45	2.848	2.872	-0.024	27	372944	2000.0	2137.6	
21 Carbon disulfide	76	2.872	2.880	-0.008	99	2327379	200.0	188.7	
22 3-Chloro-1-propene	41	2.979	2.995	-0.016	90	1631095	200.0	222.1	M
23 Methyl acetate	43	2.987	2.995	-0.008	81	1044862	400.0	394.2	a
24 Cyclopentene	67	3.004	3.012	-0.008	93	1773976	200.0	204.8	
25 Acetonitrile	41	3.045	3.086	-0.041	94	944764	2000.0	1991.4	Ma
26 Methylene Chloride	84	3.111	3.119	-0.008	93	757203	200.0	184.1	
* 27 TBA-d9 (IS)	65	3.135	3.127	0.008	0	392527	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.193	3.201	-0.008	93	717254	2000.0	1888.9	a
29 Methyl tert-butyl ether	73	3.250	3.267	-0.017	97	1939198	200.0	186.0	
30 trans-1,2-Dichloroethene	96	3.275	3.291	-0.016	96	678409	200.0	185.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.349	3.357	-0.008	95	3020740	2000.0	1914.7	
32 Hexane	43	3.423	3.431	-0.008	93	598970	200.0	197.3	
33 Isopropyl ether	45	3.628	3.636	-0.008	93	2272523	200.0	200.8	
34 1,1-Dichloroethane	63	3.653	3.661	-0.008	99	1227304	200.0	197.4	
35 Vinyl acetate	86	3.661	3.669	-0.008	100	287545	400.0	375.0	
36 2-Chloro-1,3-butadiene	88	3.694	3.702	-0.008	90	605425	200.0	207.0	
37 Tert-butyl ethyl ether	59	3.932	3.940	-0.008	89	2109258	200.0	197.2	
* 38 2-Butanone-d5	46	4.113	4.113	0.000	0	414071	250.0	250.0	
39 2,2-Dichloropropane	97	4.146	4.146	0.000	95	237087	200.0	201.1	
40 cis-1,2-Dichloroethene	96	4.154	4.162	-0.008	96	727867	200.0	192.0	
42 2-Butanone (MEK)	72	4.171	4.171	0.001	96	437016	1000.0	998.2	
41 Ethyl acetate	70	4.162	4.171	-0.008	94	140636	400.0	405.5	
43 Methyl acrylate	55	4.220	4.228	-0.008	98	576395	200.0	205.1	a
44 Propionitrile	54	4.294	4.302	-0.008	97	1113354	2000.0	1938.8	
45 Chlorobromomethane	128	4.376	4.376	0.000	88	355449	200.0	190.1	
46 Tetrahydrofuran	72	4.376	4.384	-0.008	63	196322	400.0	373.5	
47 Methacrylonitrile	67	4.392	4.392	0.000	93	3043460	2000.0	2058.4	a
48 Chloroform	83	4.425	4.425	0.000	98	1082794	200.0	193.6	
49 Cyclohexane	84	4.565	4.565	0.000	91	1201059	200.0	209.5	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.581	-0.008	47	180131	50.0	49.8	
50 1,1,1-Trichloroethane	97	4.573	4.581	-0.008	99	1017514	200.0	203.0	
52 Carbon tetrachloride	117	4.688	4.688	0.000	96	792038	200.0	206.4	
53 1,1-Dichloropropene	75	4.705	4.713	-0.008	97	839522	200.0	199.1	
54 Isobutyl alcohol	43	4.877	4.877	0.000	96	1110110	5000.0	4940.1	M
55 Benzene	78	4.902	4.902	0.000	97	2625763	200.0	191.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.918	-0.008	0	215293	50.0	50.9	
57 Isopropyl acetate	43	4.959	4.959	0.000	96	2325167	200.0	208.5	
58 Tert-amyl methyl ether	73	4.968	4.976	-0.008	92	2540738	200.0	205.2	
59 1,2-Dichloroethane	62	4.984	4.992	-0.008	96	788856	200.0	195.5	
60 n-Heptane	57	5.050	5.058	-0.008	91	557758	200.0	215.3	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	668932	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	88	416380	5000.0	4961.5	
63 Trichloroethene	95	5.526	5.526	0.000	98	584156	200.0	197.8	
64 Ethyl acrylate	55	5.650	5.650	0.000	99	1811275	200.0	215.6	
65 Methylcyclohexane	83	5.658	5.658	0.000	86	1376733	200.0	220.3	
66 1,2-Dichloropropane	63	5.806	5.814	-0.008	91	646552	200.0	198.6	
* 67 1,4-Dioxane-d8	96	5.855	5.880	-0.025	0	40674	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	90	349444	400.0	413.1	
71 1,4-Dioxane	88	5.913	5.921	-0.008	41	112375	4000.0	3619.7	
69 Dibromomethane	93	5.937	5.937	0.000	98	384180	200.0	189.6	
70 n-Propyl acetate	43	5.937	5.945	-0.008	98	953235	200.0	210.1	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	796079	200.0	204.5	
74 2-Nitropropane	41	6.414	6.414	0.000	81	349487	400.0	400.2	
73 2-Chloroethyl vinyl ether	63	6.414	6.422	-0.008	72	378219	200.5	206.0	
75 Epichlorohydrin	57	6.521	6.521	0.000	99	1326272	4000.0	4042.4	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	93	1025966	200.0	202.9	
77 4-Methyl-2-pentanone (MIBK)	43	6.742	6.742	0.000	97	4053187	1000.0	1078.0	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	733425	50.0	49.4	
79 Toluene	91	6.899	6.899	0.000	94	2748839	200.0	193.7	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	98	893471	200.0	204.5	
81 Ethyl methacrylate	69	7.277	7.277	0.001	91	901278	200.0	202.2	
82 1,1,2-Trichloroethane	83	7.457	7.457	0.000	96	471247	200.0	198.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.498	7.498	0.000	97	608281	200.0	194.5	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	95	946252	200.0	190.8	
85 2-Hexanone	43	7.728	7.728	0.000	96	2451105	1000.0	1073.3	
86 n-Butyl acetate	43	7.843	7.852	-0.009	99	1108208	200.0	196.6	
87 Chlorodibromomethane	129	7.893	7.893	0.000	99	573572	200.0	200.8	
88 Ethylene Dibromide	107	8.041	8.041	0.000	98	549392	200.0	188.6	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	86	504561	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	94	1727970	200.0	191.0	
91 Ethylbenzene	106	8.731	8.731	0.000	98	1001718	200.0	197.1	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	96	665012	200.0	201.1	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	1211636	200.0	198.2	
94 n-Butyl acrylate	73	9.364	9.364	0.000	97	606171	200.0	205.7	
95 o-Xylene	106	9.372	9.372	0.000	94	1313567	200.0	197.8	
96 Styrene	104	9.405	9.405	0.000	96	2053996	200.0	204.6	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	91	1571572	200.0	219.5	
98 Bromoform	173	9.610	9.618	-0.008	97	416587	200.0	203.2	
99 Isopropylbenzene	105	9.742	9.742	0.000	95	3546124	200.0	208.2	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	88	217753	50.0	48.6	
101 Bromobenzene	156	10.046	10.046	0.000	99	749234	200.0	198.4	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	883165	200.0	203.2	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	4086936	200.0	209.9	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	99	247058	200.0	188.3	a
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	81	236933	200.0	216.7	
106 2-Chlorotoluene	91	10.202	10.202	0.000	96	2737596	200.0	203.7	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	3334324	200.0	208.3	
108 1,3,5-Trimethylbenzene	105	10.267	10.267	0.000	93	2944825	200.0	218.1	
109 4-Chlorotoluene	91	10.300	10.300	0.000	97	2396351	200.0	199.5	
110 Butyl Methacrylate	87	10.358	10.358	0.000	90	1115306	200.0	227.2	
111 tert-Butylbenzene	119	10.514	10.506	0.008	95	2399926	200.0	229.9	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	3042489	200.0	213.4	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	4010481	200.0	227.4	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	95	1543090	200.0	199.8	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	3396691	200.0	223.8	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	94	287601	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	1545860	200.0	194.5	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	3342003	200.0	219.7	
119 Benzyl chloride	91	10.941	10.941	0.000	99	1921657	200.0	221.0	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	3154043	200.0	211.2	
121 p-Diethylbenzene	119	11.032	11.032	0.000	92	1790093	200.0	212.6	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	1822135	200.0	210.5	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	96	1585975	200.0	200.6	
124 1,2,4,5-Tetramethylbenzene	119	11.516	11.516	0.000	98	3358888	200.0	222.1	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	96	214144	200.0	201.1	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	1285310	200.0	205.3	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	1241676	200.0	206.1	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	93	457978	200.0	213.2	
129 Naphthalene	128	12.215	12.215	0.000	99	3442758	200.0	211.2	
130 1,2,3-Trichlorobenzene	180	12.371	12.371	0.000	96	1143083	200.0	201.9	
S 131 1,2-Dichloroethene, Total	100				0		400.0	377.5	
S 132 Xylenes, Total	100				0		400.0	396.0	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

**Reagents:**

ACROLEIN W_00118	Amount Added: 20.00	Units: uL	
GAS Hi_00378	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00106	Amount Added: 20.00	Units: uL	
MIX I Hi_00133	Amount Added: 20.00	Units: uL	
Ethanol mix_00047	Amount Added: 20.00	Units: uL	
8FreonHi_00027	Amount Added: 20.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent



Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D

Injection Date: 05-Jan-2021 18:35:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD200

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

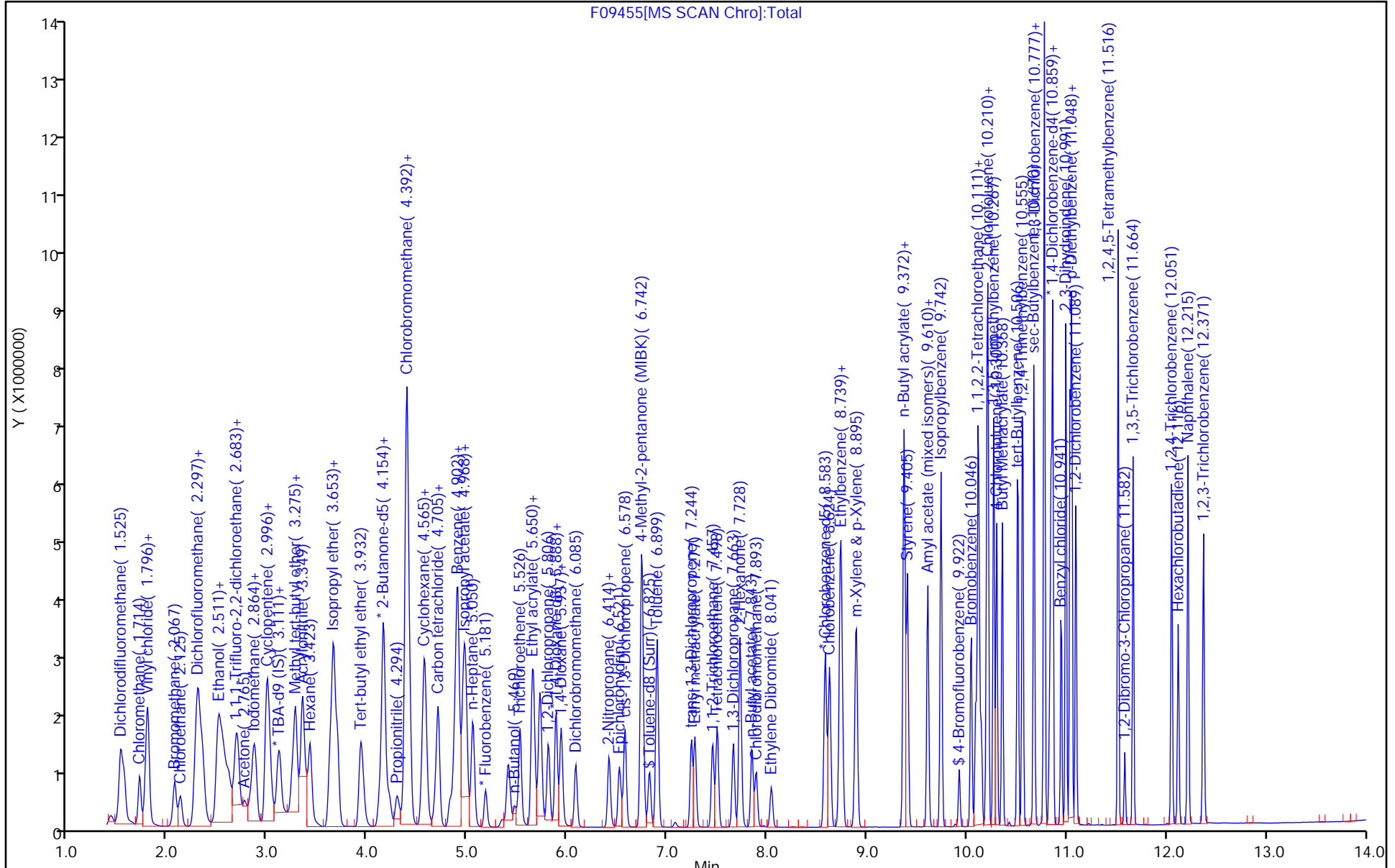
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

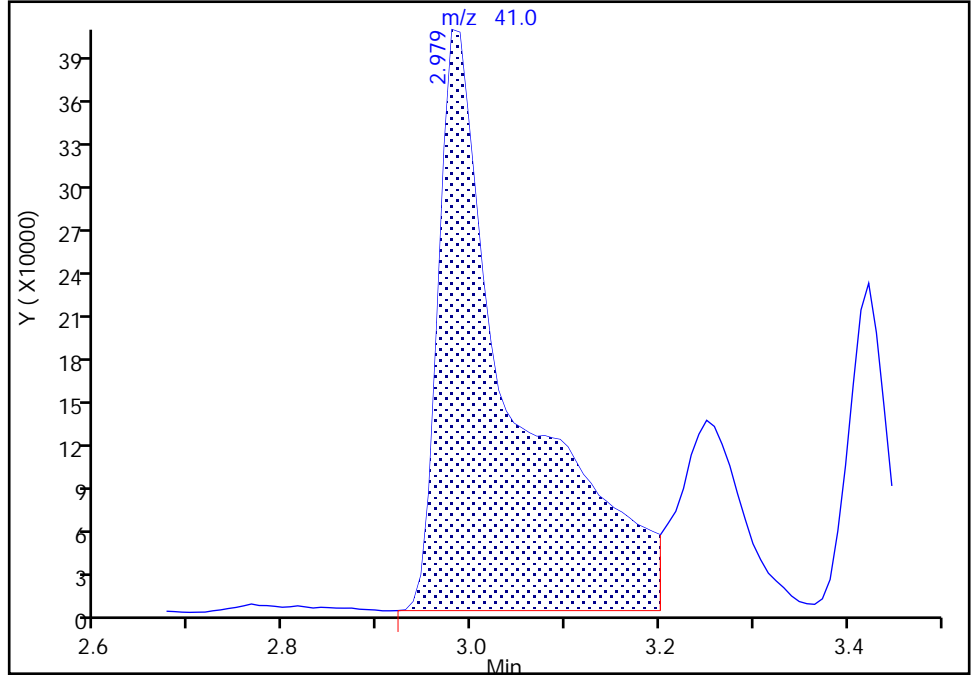
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

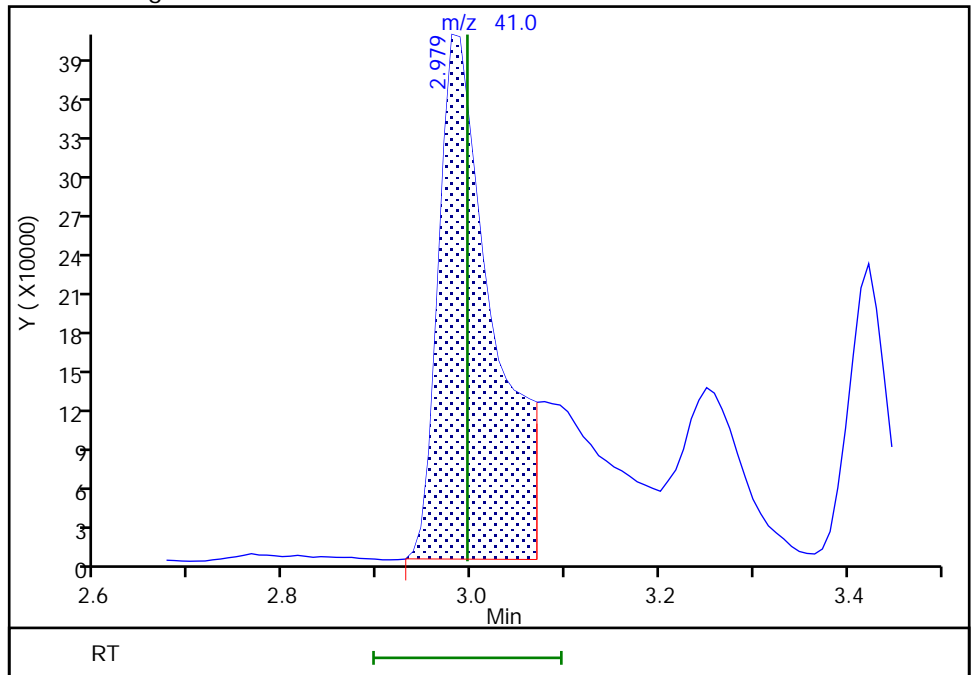
RT: 2.98  
Area: 2302461  
Amount: 213.2362  
Amount Units: ug/l

Processing Integration Results



RT: 2.98  
Area: 1631095  
Amount: 222.1492  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 19:06:18  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

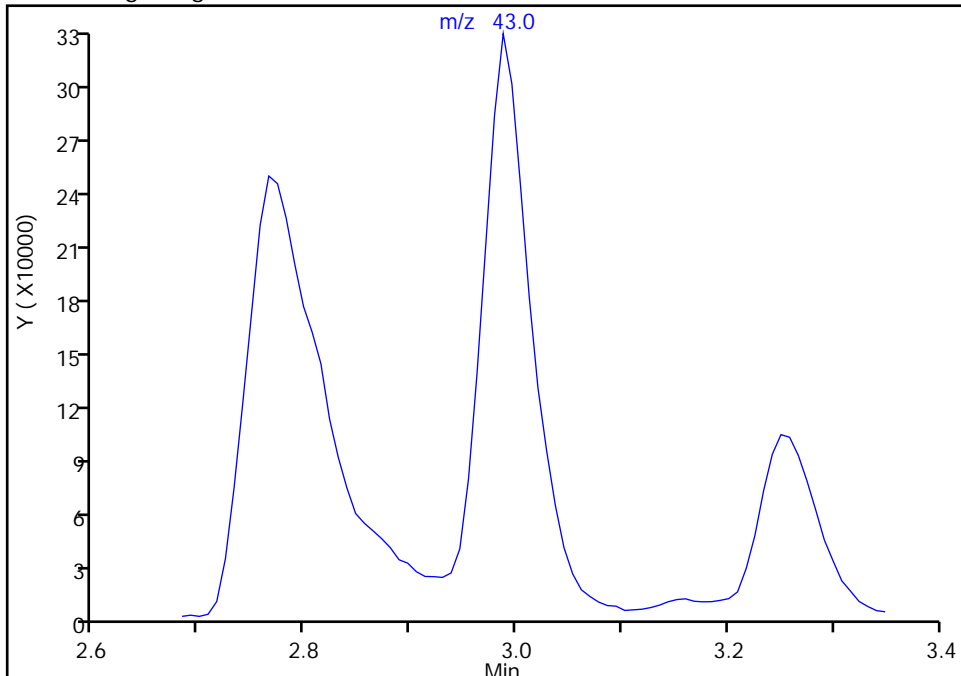
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

23 Methyl acetate, CAS: 79-20-9

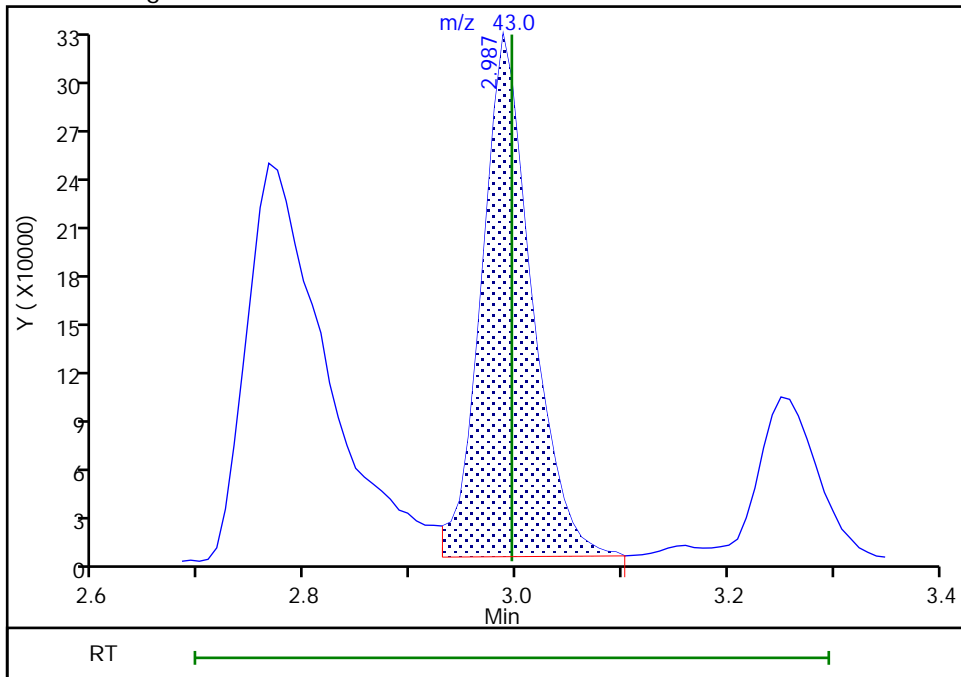
Signal: 1

Not Detected  
Expected RT: 3.00

Processing Integration Results



Manual Integration Results



RT: 2.99  
Area: 1044862  
Amount: 394.2240  
Amount Units: ug/l

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

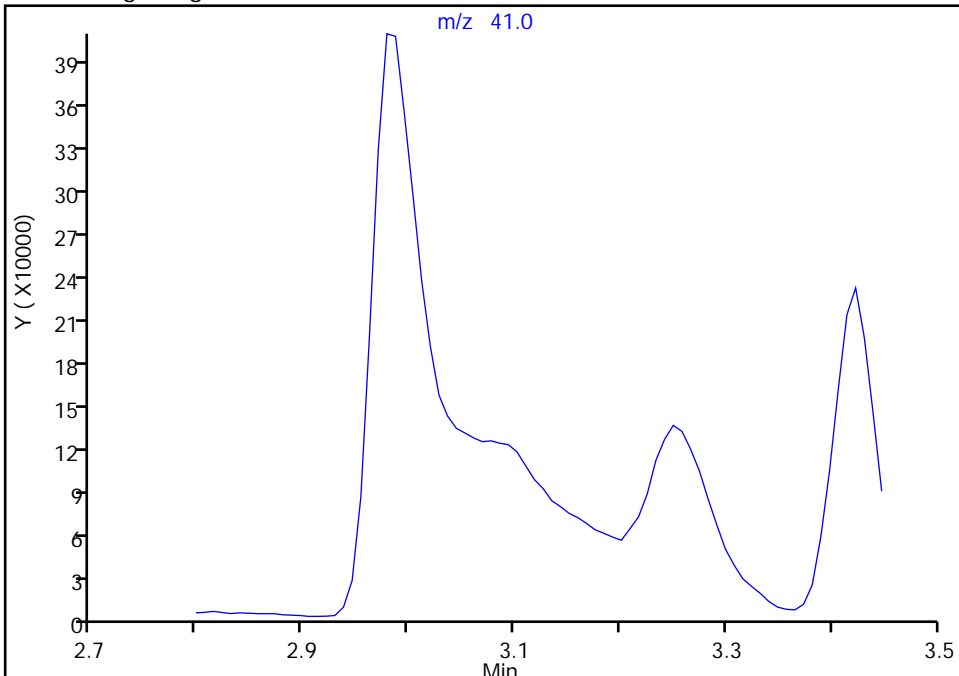
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

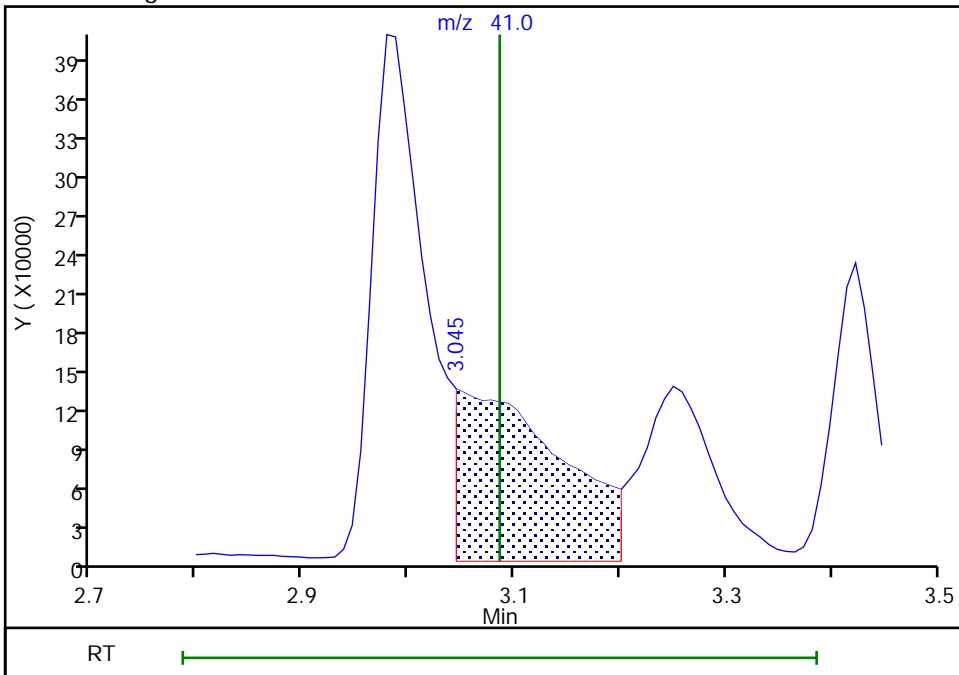
Not Detected  
Expected RT: 3.09

Processing Integration Results



RT: 3.04  
Area: 944764  
Amount: 1991.4408  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:52:52  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

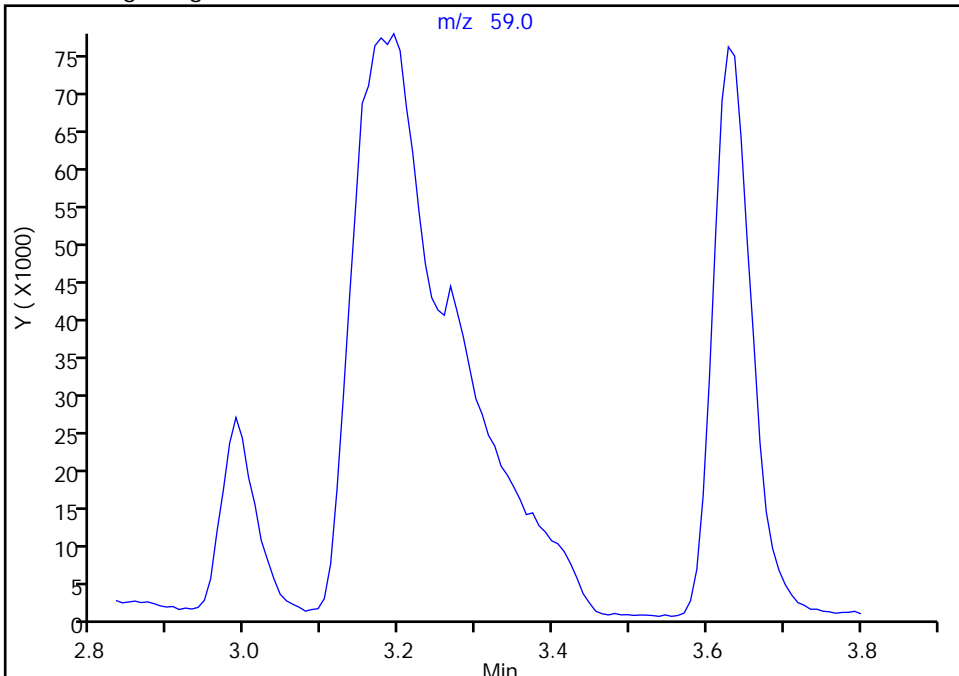
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Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

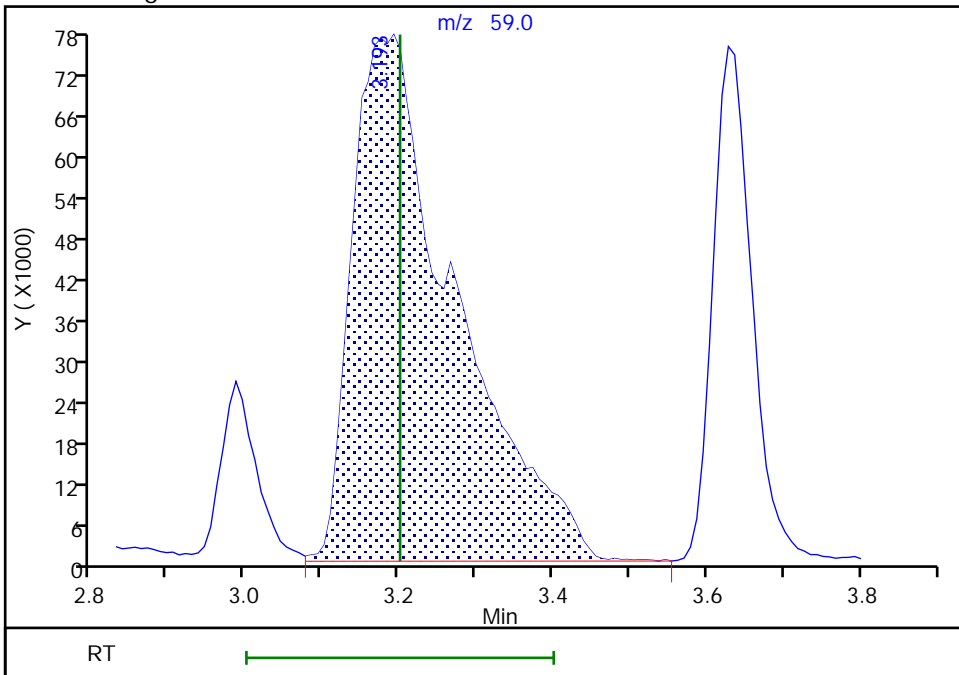
Not Detected  
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.19  
Area: 717254  
Amount: 1888.8917  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:06:10  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

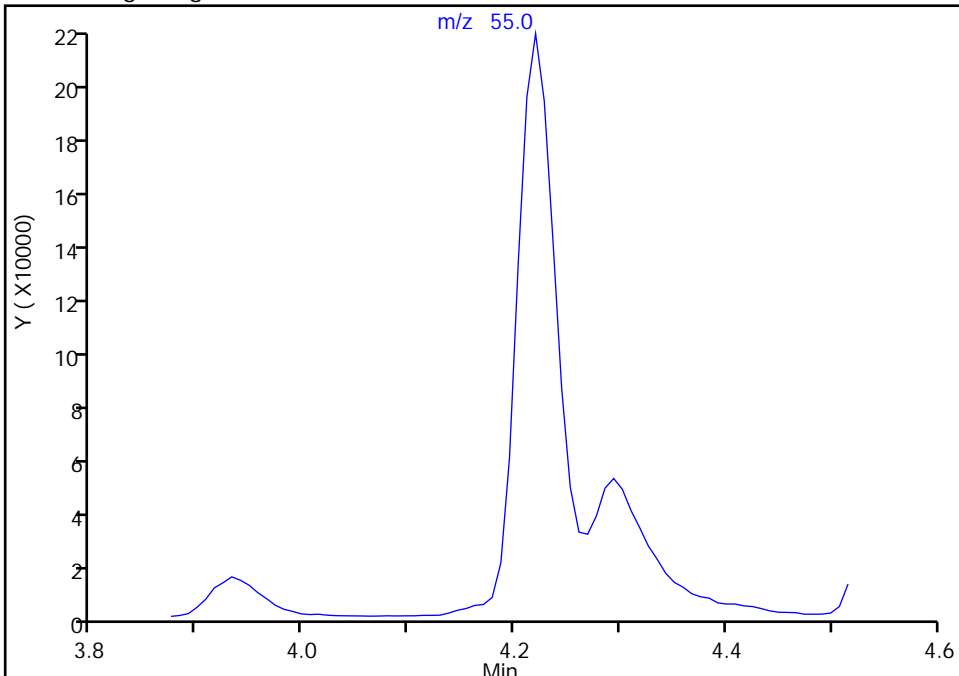
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

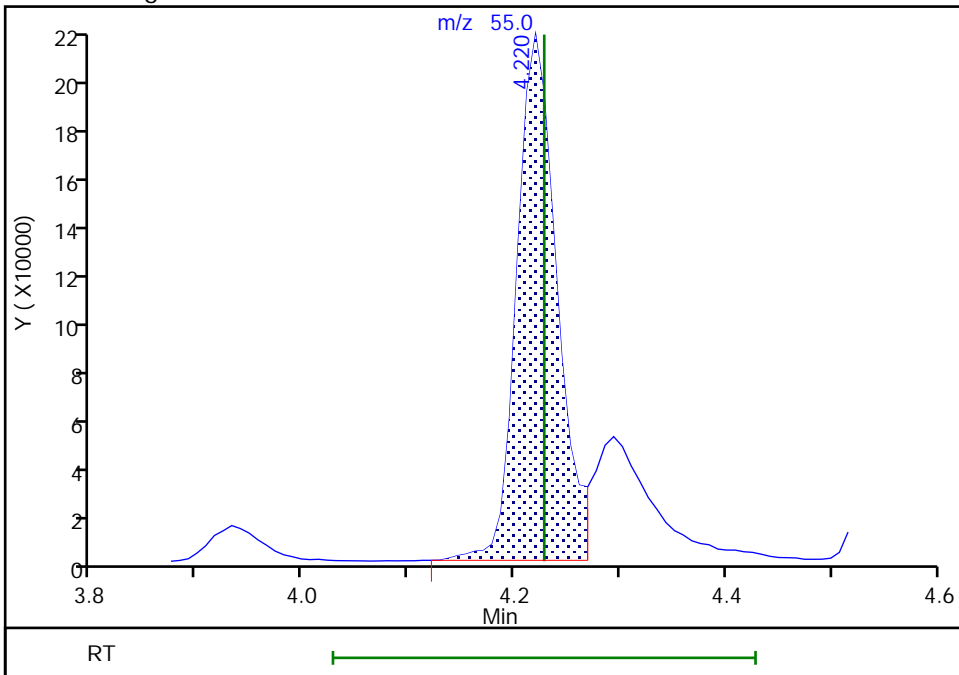
Not Detected  
Expected RT: 4.23

Processing Integration Results



Manual Integration Results

RT: 4.22  
Area: 576395  
Amount: 205.1280  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:07:46  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

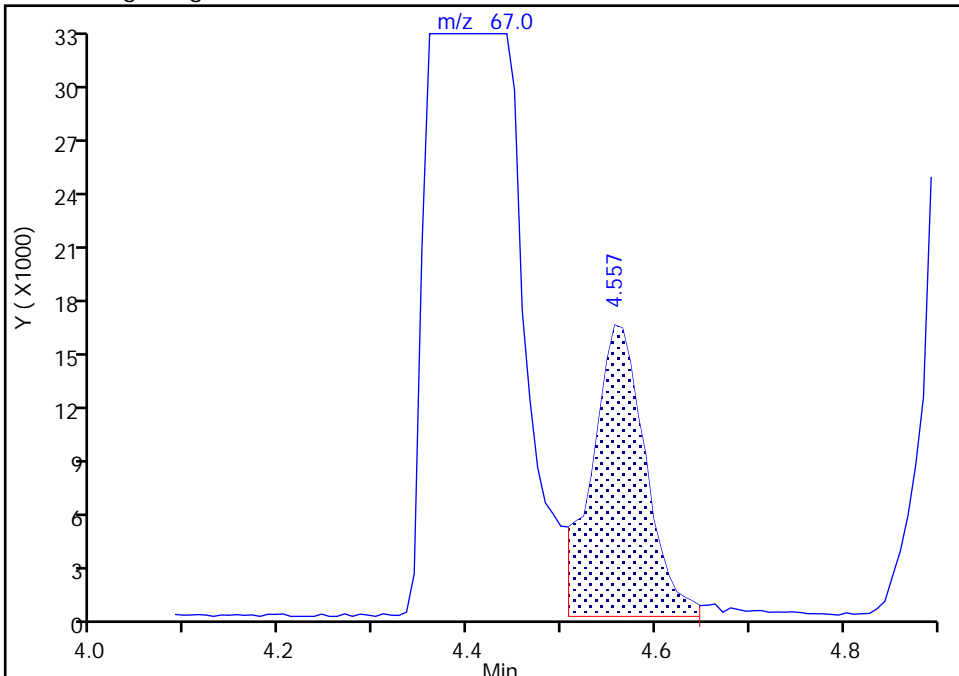
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

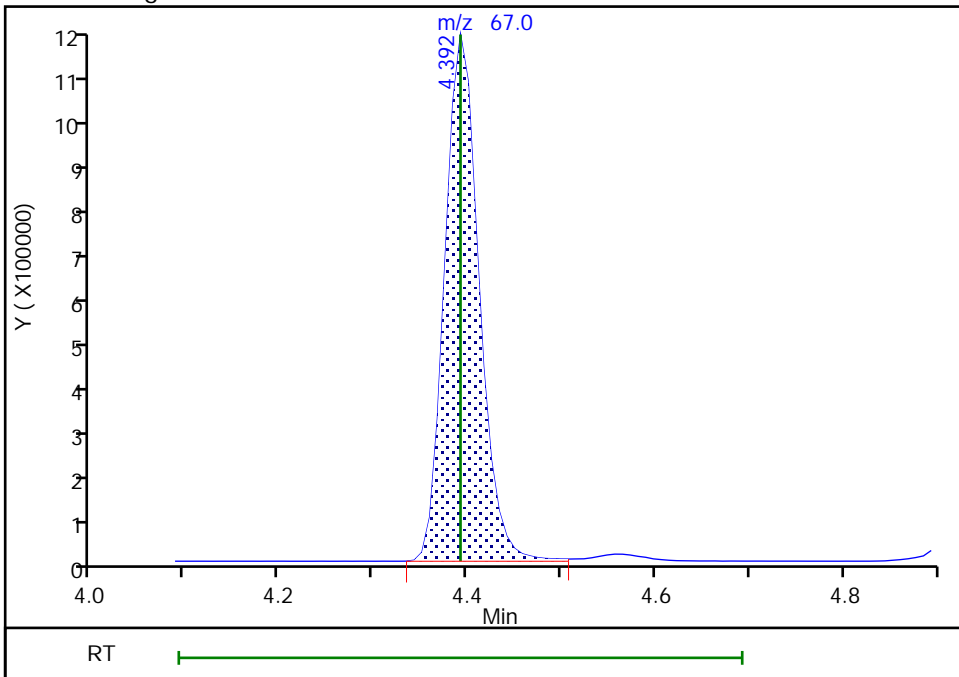
RT: 4.56  
Area: 64630  
Amount: 85.246439  
Amount Units: ug/l

Processing Integration Results



RT: 4.39  
Area: 3043460  
Amount: 2058.3881  
Amount Units: ug/l

Manual Integration Results



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

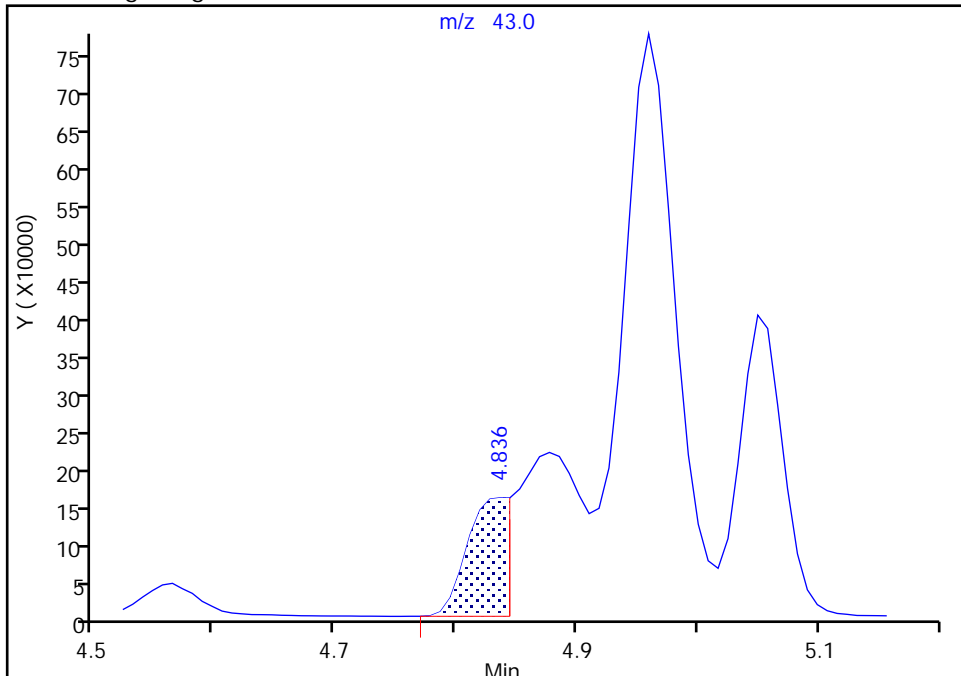
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

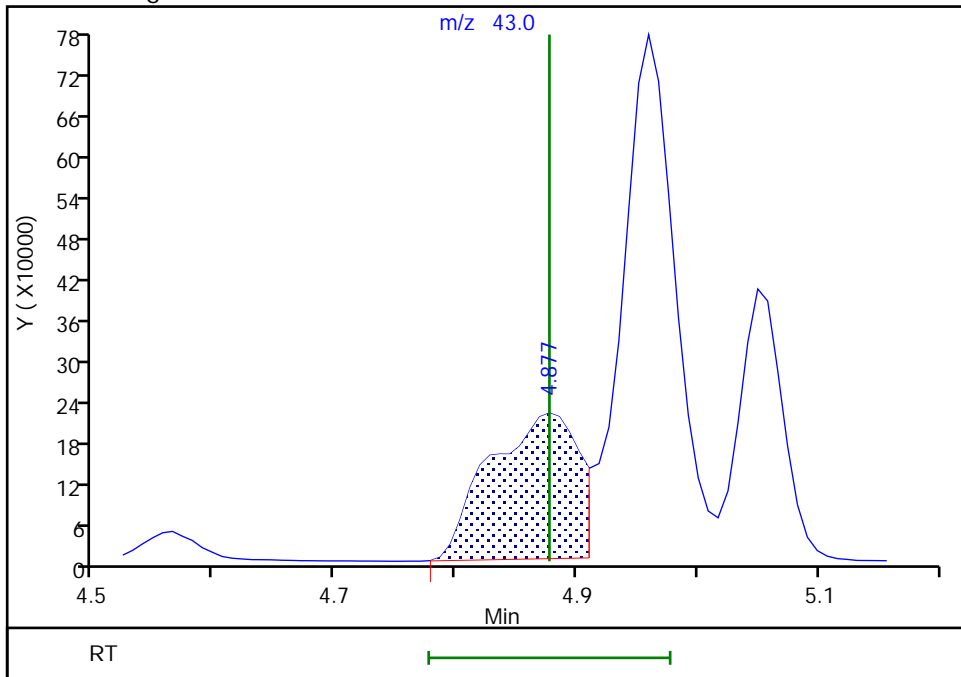
RT: 4.84  
Area: 399656  
Amount: 2292.8829  
Amount Units: ug/l

Processing Integration Results



RT: 4.88  
Area: 1110110  
Amount: 4940.0917  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 19:02:57  
Audit Action: Manually Integrated

Audit Reason: Split Peak



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09455.D  
Injection Date: 05-Jan-2021 18:35:30 Instrument ID: CVOAMS6  
Lims ID: STD200  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

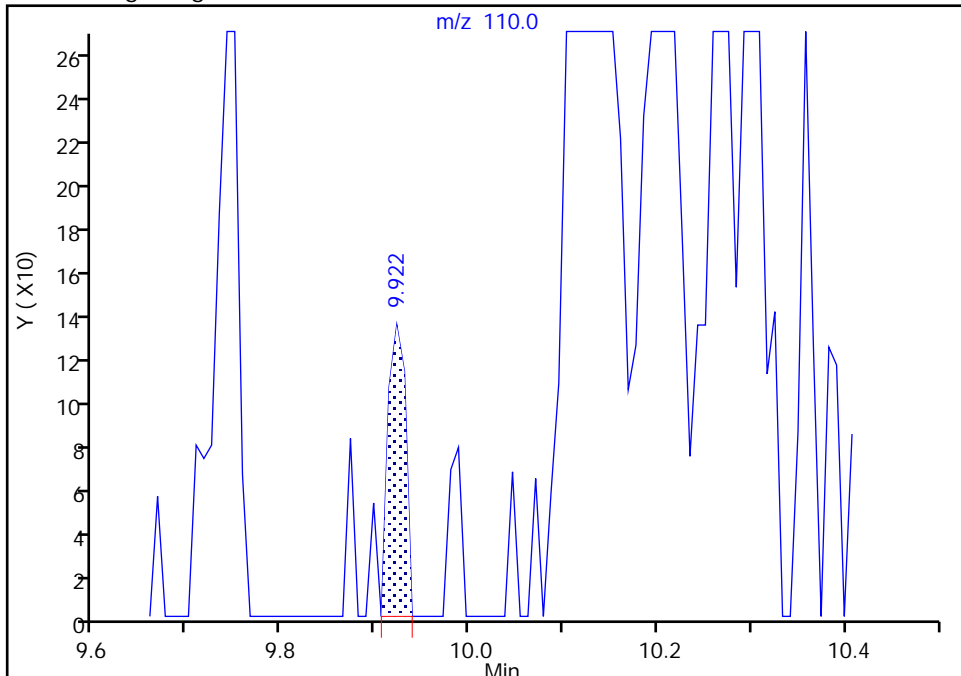
ALS Bottle#: 8 Worklist Smp#: 9  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

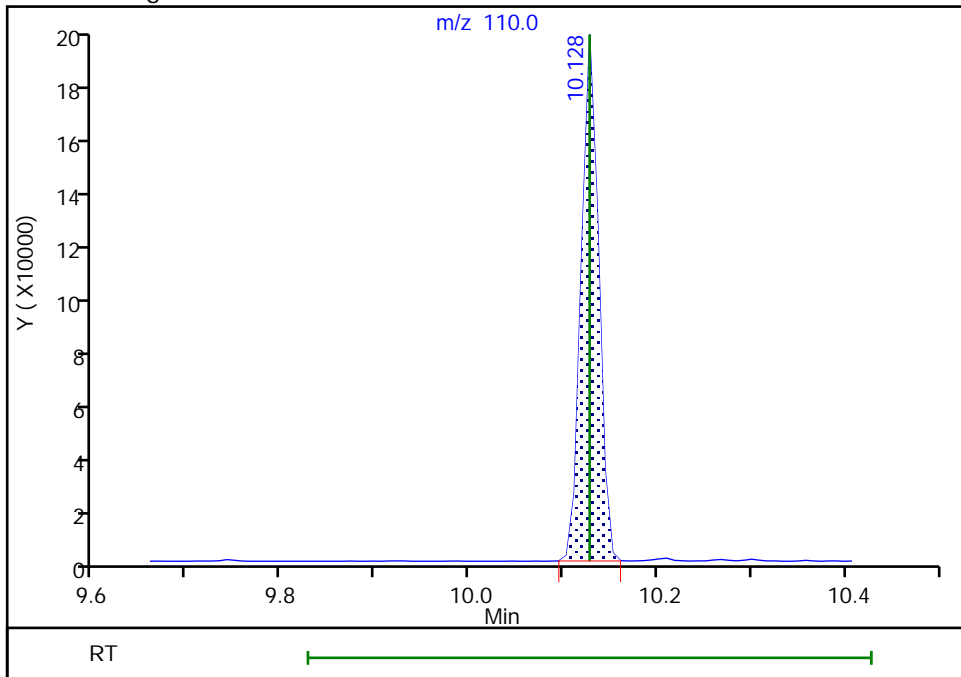
RT: 9.92  
Area: 170  
Amount: 0.189001  
Amount Units: ug/l

Processing Integration Results



RT: 10.13  
Area: 247058  
Amount: 188.3163  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:23:55  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Lims ID: STD500  
 Client ID:  
 Sample Type: IC Calib Level: 6  
 Inject. Date: 05-Jan-2021 18:59:30 ALS Bottle#: 9 Worklist Smp#: 10  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: STD500  
 Misc. Info.: 460-0122504-010  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:23:35 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 06-Jan-2021 17:59:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.558	1.566	-0.008	98	2916062	500.0	515.1	
2 Chloromethane	50	1.730	1.730	0.000	99	3108276	500.0	430.4	
4 Vinyl chloride	62	1.804	1.804	0.000	98	2942909	500.0	449.8	
3 Butadiene	54	1.804	1.812	-0.008	96	2736051	500.0	483.4	
5 Bromomethane	94	2.075	2.075	0.000	99	1738942	500.0	394.4	
6 Chloroethane	64	2.133	2.133	0.000	100	1649997	500.0	405.4	
7 Dichlorofluoromethane	67	2.289	2.289	0.000	99	3735248	500.0	434.3	
8 Trichlorofluoromethane	101	2.297	2.305	-0.008	99	2794989	500.0	456.4	
9 Pentane	72	2.338	2.330	0.008	97	836895	1000.0	1070.5	
10 Ethyl ether	59	2.494	2.494	0.000	94	1657460	500.0	436.7	
11 Ethanol	46	2.503	2.494	0.008	75	372067	20000	20525	
12 2-Methyl-1,3-butadiene	53	2.519	2.519	0.000	96	1979633	500.0	510.2	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.560	2.560	0.000	96	1717345	500.0	432.4	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.609	2.609	0.000	95	2887575	500.0	456.1	
15 Acrolein	56	2.659	2.659	0.000	92	152493	400.0	401.2	
16 112TCTFE	101	2.683	2.683	0.000	93	1818096	500.0	504.2	
17 1,1-Dichloroethene	96	2.708	2.708	0.000	97	1749742	500.0	456.5	
18 Acetone	43	2.782	2.782	0.000	87	3564000	2500.0	2423.1	
19 Iodomethane	142	2.856	2.856	0.000	97	2932002	500.0	475.4	
20 Isopropyl alcohol	45	2.872	2.872	0.000	78	1172131	5000.0	7200.3	
21 Carbon disulfide	76	2.880	2.880	0.000	99	6655971	500.0	474.7	
22 3-Chloro-1-propene	41	2.996	2.995	0.001	87	4698747	500.0	563.0	
23 Methyl acetate	43	2.996	2.995	0.001	100	3145312	1000.0	1044.1	a
24 Cyclopentene	67	3.012	3.012	0.000	92	5141064	500.0	522.2	
25 Acetonitrile	41	3.102	3.086	0.016	96	1815338	5000.0	4101.1	Ma
26 Methylene Chloride	84	3.119	3.119	0.000	93	2112275	500.0	451.8	
* 27 TBA-d9 (IS)	65	3.012	3.127	-0.115	0	366246	1000.0	1000.0	M
28 2-Methyl-2-propanol	59	3.209	3.201	0.008	95	2109288	5000.0	5953.4	a
29 Methyl tert-butyl ether	73	3.258	3.267	-0.009	97	5477629	500.0	462.3	
30 trans-1,2-Dichloroethene	96	3.291	3.291	0.000	96	1933731	500.0	465.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.357	3.357	0.000	97	8776920	5000.0	4894.6	
32 Hexane	43	3.431	3.431	0.000	93	1707002	500.0	494.7	
33 Isopropyl ether	45	3.636	3.636	0.000	94	6489263	500.0	504.4	
34 1,1-Dichloroethane	63	3.661	3.661	0.000	100	3506633	500.0	496.2	
35 Vinyl acetate	86	3.669	3.669	0.000	100	862036	1000.0	989.2	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	90	1728141	500.0	520.0	
37 Tert-butyl ethyl ether	59	3.940	3.940	0.000	89	5978760	500.0	491.8	
* 38 2-Butanone-d5	46	4.121	4.113	0.008	0	505537	250.0	250.0	
39 2,2-Dichloropropane	97	4.154	4.146	0.008	96	666812	500.0	497.6	
40 cis-1,2-Dichloroethene	96	4.162	4.162	0.000	95	2093123	500.0	485.7	
42 2-Butanone (MEK)	72	4.179	4.171	0.009	96	1266398	2500.0	2369.3	
41 Ethyl acetate	70	4.179	4.171	0.009	95	422953	1000.0	999.0	
43 Methyl acrylate	55	4.228	4.228	0.000	99	1745775	500.0	558.4	
44 Propionitrile	54	4.302	4.302	0.000	97	3299887	5000.0	6158.8	
45 Chlorobromomethane	128	4.384	4.376	0.008	95	1007217	500.0	474.0	
46 Tetrahydrofuran	72	4.384	4.384	0.000	94	564813	1000.0	880.1	
47 Methacrylonitrile	67	4.401	4.392	0.009	92	9107949	5000.0	5419.5	a
48 Chloroform	83	4.433	4.425	0.008	98	3053347	500.0	480.2	
49 Cyclohexane	84	4.573	4.565	0.008	91	3352624	500.0	514.5	
\$ 51 Dibromofluoromethane (Surr)	113	4.581	4.581	0.000	35	201641	50.0	49.0	
50 1,1,1-Trichloroethane	97	4.581	4.581	0.000	99	2833039	500.0	497.2	
52 Carbon tetrachloride	117	4.696	4.688	0.008	96	2287882	500.0	524.4	
53 1,1-Dichloropropene	75	4.713	4.713	0.000	97	2438686	500.0	508.7	
54 Isobutyl alcohol	43	4.885	4.877	0.008	96	3444794	12500	16430	
55 Benzene	78	4.910	4.902	0.008	96	7587083	500.0	498.2	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	258456	50.0	53.8	
57 Isopropyl acetate	43	4.968	4.959	0.009	96	6802624	500.0	536.6	
58 Tert-amyl methyl ether	73	4.976	4.976	0.000	90	7271729	500.0	516.7	
59 1,2-Dichloroethane	62	4.992	4.992	0.000	96	2288465	500.0	498.9	
60 n-Heptane	57	5.058	5.058	0.000	92	1538794	500.0	522.6	
* 61 Fluorobenzene	96	5.189	5.181	0.008	99	760330	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	87	1329937	12500	12503	
63 Trichloroethene	95	5.526	5.526	0.000	99	1741545	500.0	518.9	
64 Ethyl acrylate	55	5.650	5.650	0.000	98	5253911	500.0	550.2	
65 Methylcyclohexane	83	5.666	5.658	0.008	87	3901648	500.0	549.3	
66 1,2-Dichloropropane	63	5.814	5.814	0.000	93	1868221	500.0	504.9	
* 67 1,4-Dioxane-d8	96	5.937	5.880	0.057	0	50136	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	90	1046798	1000.0	1088.8	
71 1,4-Dioxane	88	5.929	5.921	0.008	40	320301	10000	8370.1	
69 Dibromomethane	93	5.937	5.937	0.000	97	1102048	500.0	478.5	
70 n-Propyl acetate	43	5.945	5.945	0.000	99	2795439	500.0	542.0	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	2340076	500.0	529.0	
74 2-Nitropropane	41	6.422	6.414	0.008	94	1106970	1000.0	1115.2	
73 2-Chloroethyl vinyl ether	63	6.422	6.422	0.000	71	1152051	501.2	552.1	
75 Epichlorohydrin	57	6.529	6.521	0.008	99	3946185	10000	9851.7	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	94	3050597	500.0	542.3	
77 4-Methyl-2-pentanone (MIBK)	43	6.751	6.742	0.009	96	11408143	2500.0	2485.3	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	814129	50.0	49.3	
79 Toluene	91	6.899	6.899	0.000	94	7974547	500.0	505.1	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	98	2691979	500.0	553.7	
81 Ethyl methacrylate	69	7.277	7.277	0.001	90	2612371	500.0	526.8	
82 1,1,2-Trichloroethane	83	7.457	7.457	0.000	95	1355537	500.0	513.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.507	7.498	0.009	97	1730892	500.0	497.6	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	94	2790882	500.0	505.7	
85 2-Hexanone	43	7.728	7.728	0.000	96	6892483	2500.0	2472.0	
86 n-Butyl acetate	43	7.852	7.852	0.000	99	3155448	500.0	503.2	
87 Chlorodibromomethane	129	7.893	7.893	0.000	98	1690240	500.0	531.9	
88 Ethylene Dibromide	107	8.049	8.041	0.008	99	1573414	500.0	485.4	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	88	561366	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	94	4974976	500.0	494.1	
91 Ethylbenzene	106	8.739	8.731	0.008	98	2817267	500.0	498.3	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	96	1855429	500.0	504.3	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	3412482	500.0	501.7	
94 n-Butyl acrylate	73	9.372	9.364	0.008	97	1704068	500.0	519.8	
95 o-Xylene	106	9.380	9.372	0.008	93	3647613	500.0	493.6	
96 Styrene	104	9.405	9.405	0.000	97	5811148	500.0	520.4	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	91	4357126	500.0	569.9	
98 Bromoform	173	9.618	9.618	0.000	97	1177718	500.0	516.3	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	9593575	500.0	506.2	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	88	236721	50.0	47.5	
101 Bromobenzene	156	10.046	10.046	0.000	99	2112706	500.0	523.9	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	2449279	500.0	527.8	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	10642802	500.0	511.7	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	99	662645	500.0	472.9	a
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	79	650810	500.0	557.4	
106 2-Chlorotoluene	91	10.202	10.202	0.000	96	7674970	500.0	534.7	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	9022722	500.0	527.8	
108 1,3,5-Trimethylbenzene	105	10.267	10.267	0.000	92	8045961	500.0	558.0	
109 4-Chlorotoluene	91	10.300	10.300	0.000	97	6748097	500.0	526.1	
110 Butyl Methacrylate	87	10.358	10.358	0.000	90	3173969	500.0	605.4	
111 tert-Butylbenzene	119	10.514	10.506	0.008	94	6765483	500.0	606.8	
112 1,2,4-Trimethylbenzene	105	10.563	10.555	0.008	97	8140962	500.0	534.7	
113 sec-Butylbenzene	105	10.670	10.670	0.000	98	9964168	500.0	529.1	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	94	4030820	500.0	488.8	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	97	8545076	500.0	527.2	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	93	307159	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	97	4198010	500.0	494.5	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	97	8689896	500.0	534.8	
119 Benzyl chloride	91	10.949	10.941	0.008	99	5397840	500.0	581.2	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	8156063	500.0	511.4	
121 p-Diethylbenzene	119	11.032	11.032	0.000	94	4734152	500.0	526.4	
122 n-Butylbenzene	92	11.048	11.048	0.000	99	4757993	500.0	514.8	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	95	4251485	500.0	503.4	
124 1,2,4,5-Tetramethylbenzene	119	11.516	11.516	0.000	99	8213229	500.0	508.4	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	97	586556	500.0	515.7	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	3366221	500.0	503.5	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	3178552	500.0	494.1	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	93	1208677	500.0	526.9	
129 Naphthalene	128	12.215	12.215	0.000	99	8732324	500.0	501.7	
130 1,2,3-Trichlorobenzene	180	12.371	12.371	0.000	96	2948264	500.0	487.5	
S 131 1,2-Dichloroethene, Total	100				0		1000.0	951.0	
S 132 Xylenes, Total	100				0		1000.0	995.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

ACROLEIN W_00118	Amount Added: 40.00	Units: uL	
GAS Hi_00378	Amount Added: 50.00	Units: uL	
MIX 2 Hi_00106	Amount Added: 50.00	Units: uL	
MIX I Hi_00133	Amount Added: 50.00	Units: uL	
Ethanol mix_00047	Amount Added: 50.00	Units: uL	
8FreonHi_00027	Amount Added: 50.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromf\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D

Injection Date: 05-Jan-2021 18:59:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: STD500

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

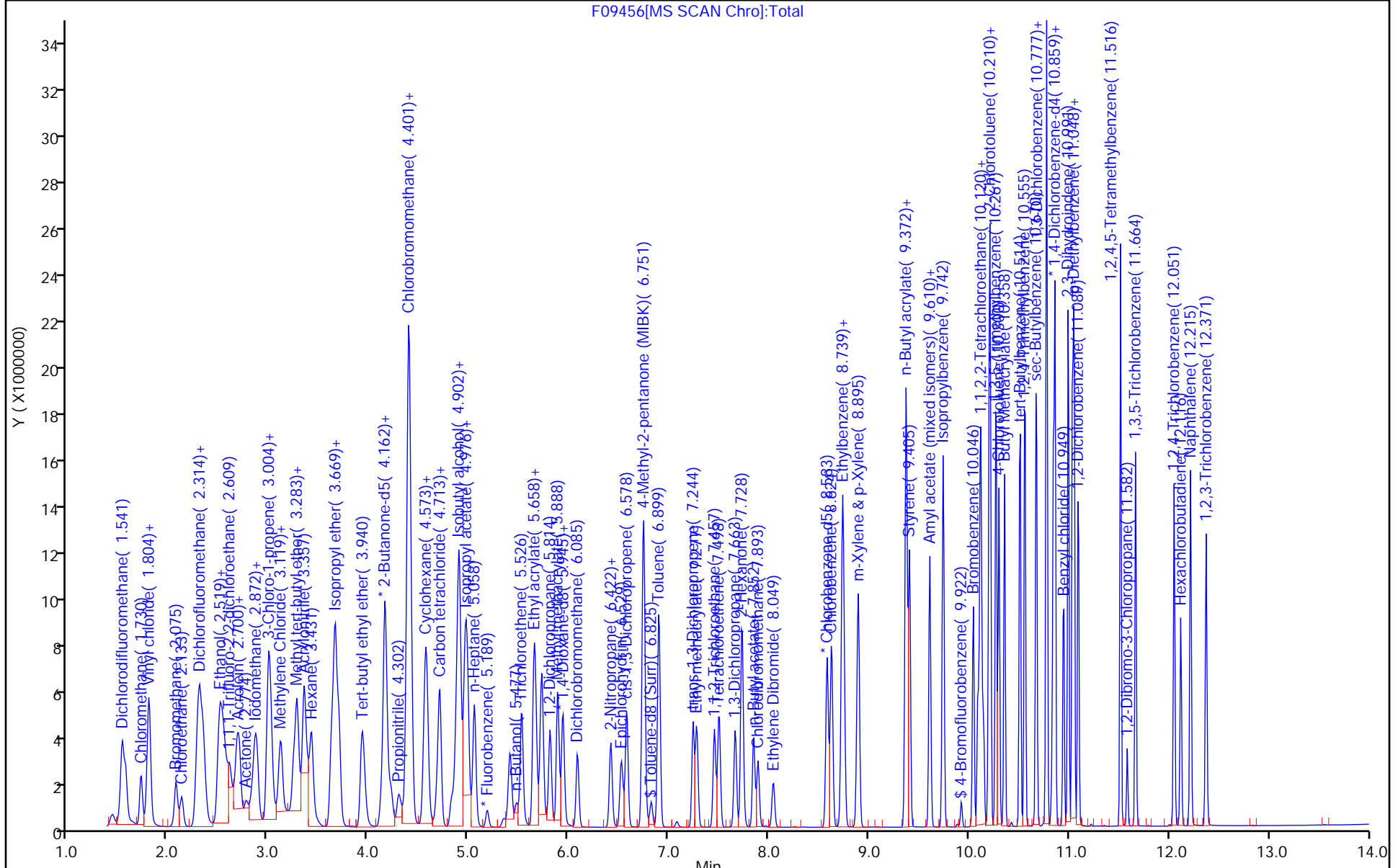
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 ( 0.25 mm)



Eurofins TestAmerica, Edison

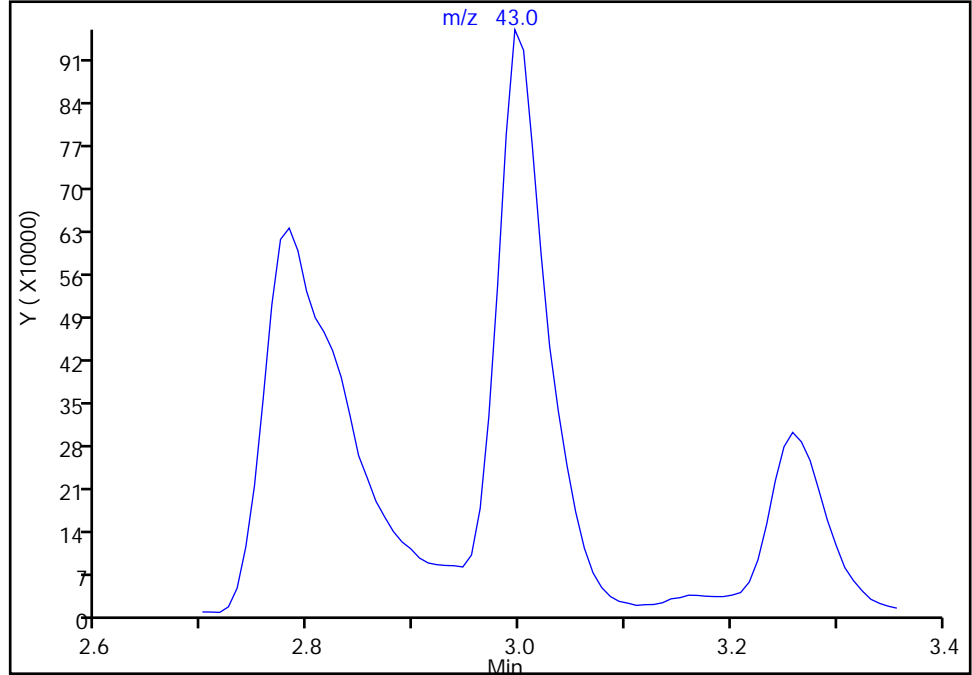
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Injection Date: 05-Jan-2021 18:59:30 Instrument ID: CVOAMS6  
Lims ID: STD500  
Client ID:  
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

23 Methyl acetate, CAS: 79-20-9

Signal: 1

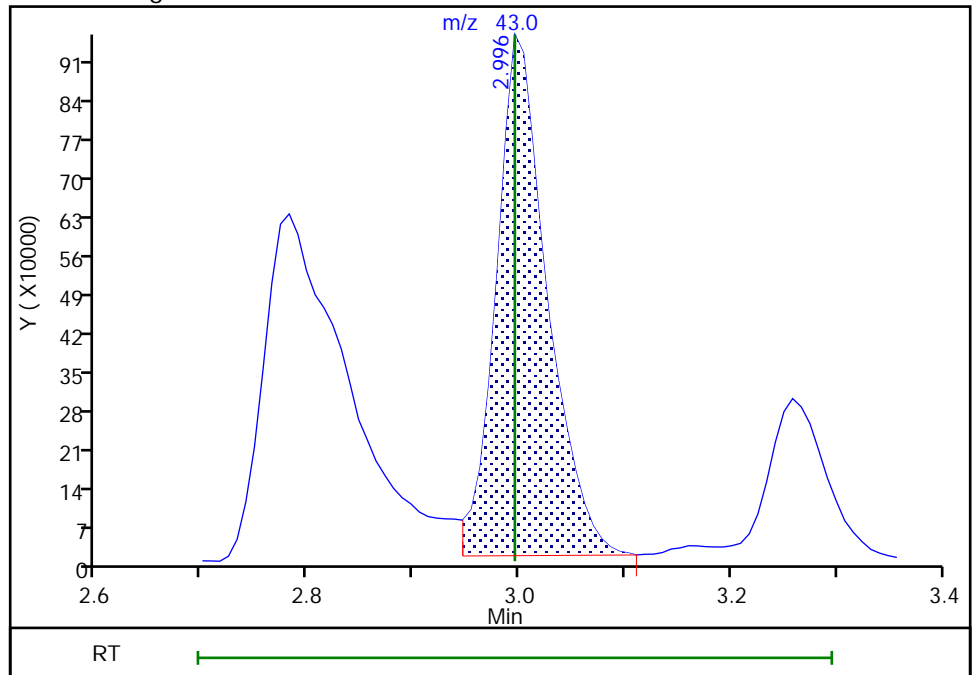
Not Detected  
Expected RT: 3.00

Processing Integration Results



RT: 3.00  
Area: 3145312  
Amount: 1044.0654  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 17:57:57  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

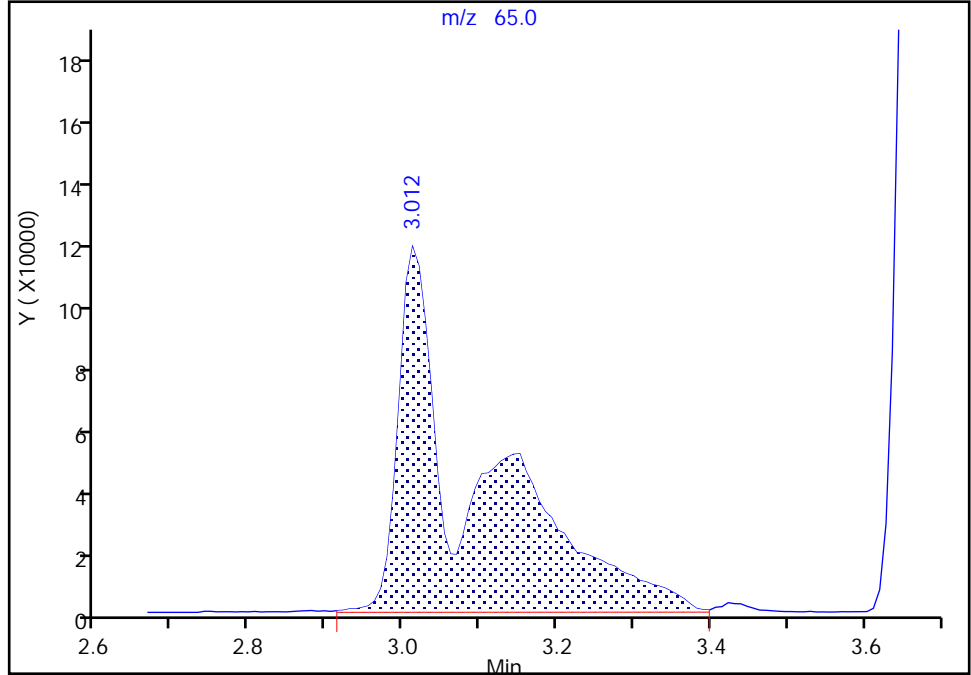
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Injection Date: 05-Jan-2021 18:59:30 Instrument ID: CVOAMS6  
Lims ID: STD500  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

ALS Bottle#: 9 Worklist Smp#: 10  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

\* 27 TBA-d9 (IS), CAS: 25725-11-5  
Signal: 1

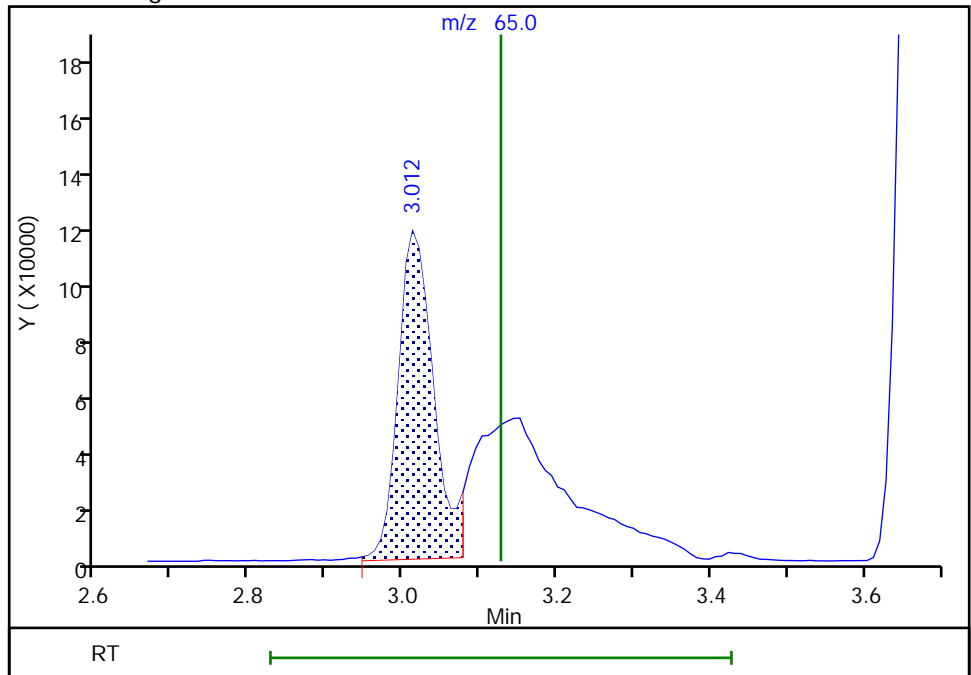
RT: 3.01  
Area: 801408  
Amount: 1000.0000  
Amount Units: ug/l

Processing Integration Results



RT: 3.01  
Area: 366246  
Amount: 1000.0000  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 08-Jan-2021 20:00:29  
Audit Action: Manually Integrated

Audit Reason: Peak Tail



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
Injection Date: 05-Jan-2021 18:59:30 Instrument ID: CVOAMS6  
Lims ID: STD500  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

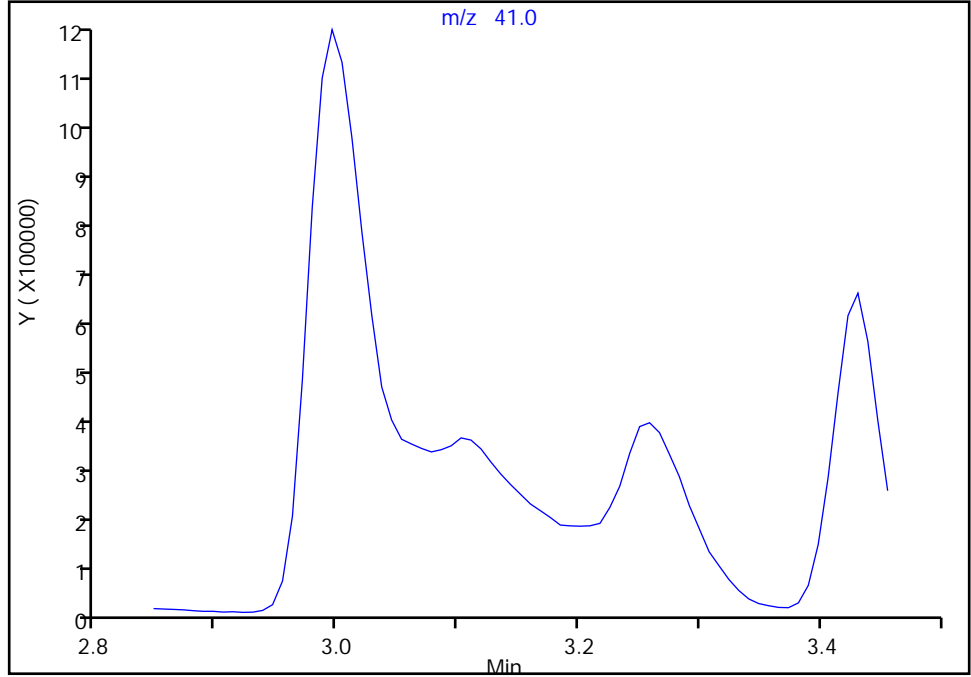
ALS Bottle#: 9 Worklist Smp#: 10  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

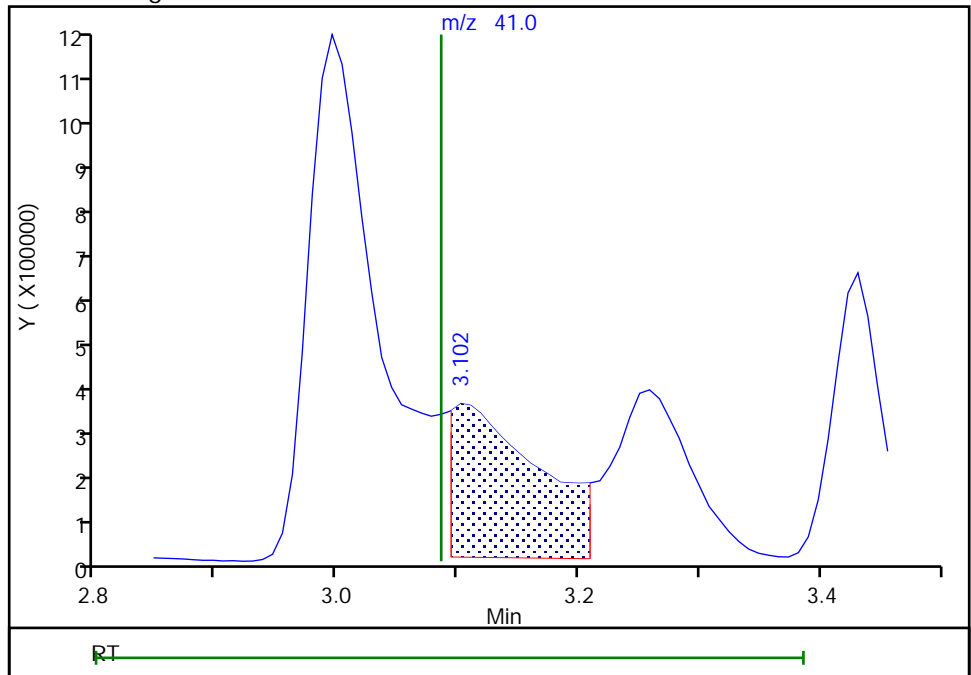
Not Detected  
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.10  
Area: 1815338  
Amount: 4101.0798  
Amount Units: ug/l



Reviewer: kluseys, 06-Jan-2021 18:52:09  
Audit Action: Manually Integrated

Audit Reason: Split Peak

Eurofins TestAmerica, Edison

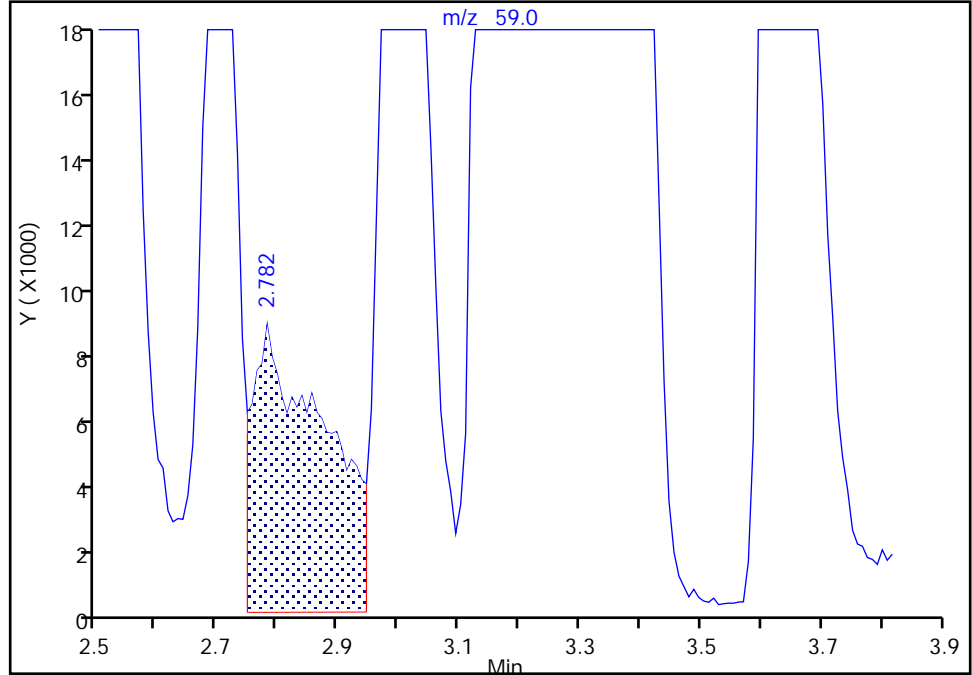
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Injection Date: 05-Jan-2021 18:59:30 Instrument ID: CVOAMS6  
Lims ID: STD500  
Client ID:  
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

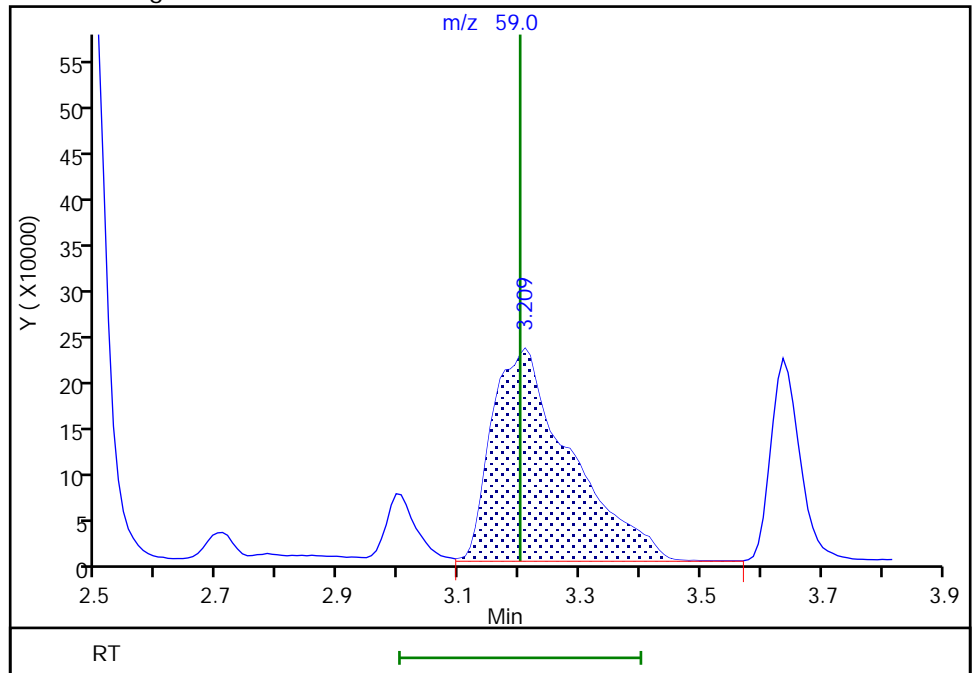
RT: 2.78  
Area: 70344  
Amount: 310.9610  
Amount Units: ug/l

Processing Integration Results



RT: 3.21  
Area: 2109288  
Amount: 5953.4210  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 17:58:19  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
Injection Date: 05-Jan-2021 18:59:30 Instrument ID: CVOAMS6  
Lims ID: STD500  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

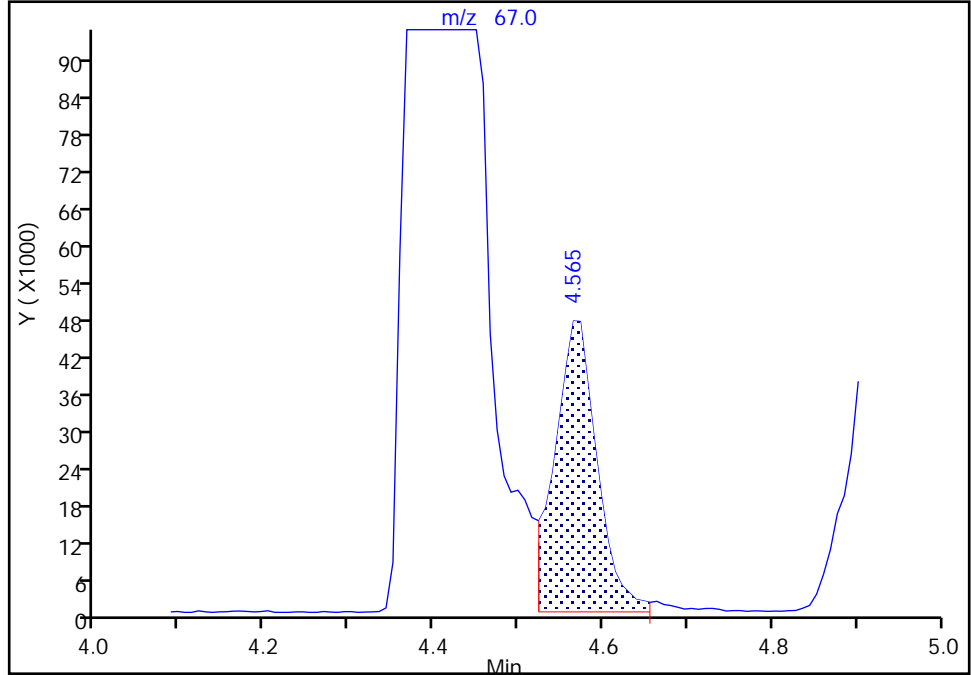
ALS Bottle#: 9 Worklist Smp#: 10  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

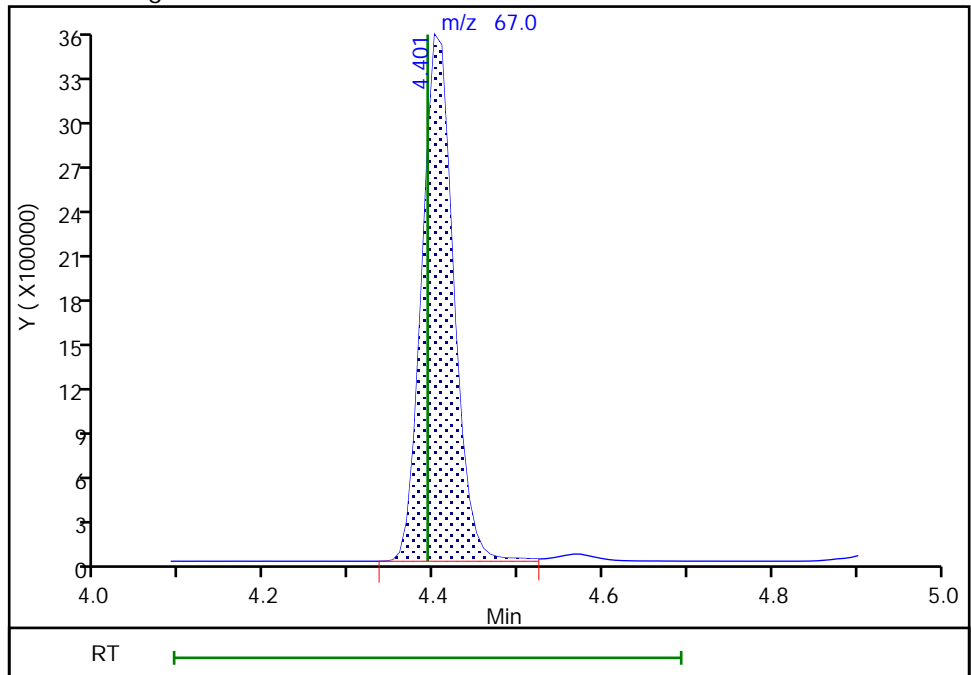
RT: 4.56  
Area: 166181  
Amount: 294.8120  
Amount Units: ug/l

Processing Integration Results



RT: 4.40  
Area: 9107949  
Amount: 5419.5110  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 17:58:47  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

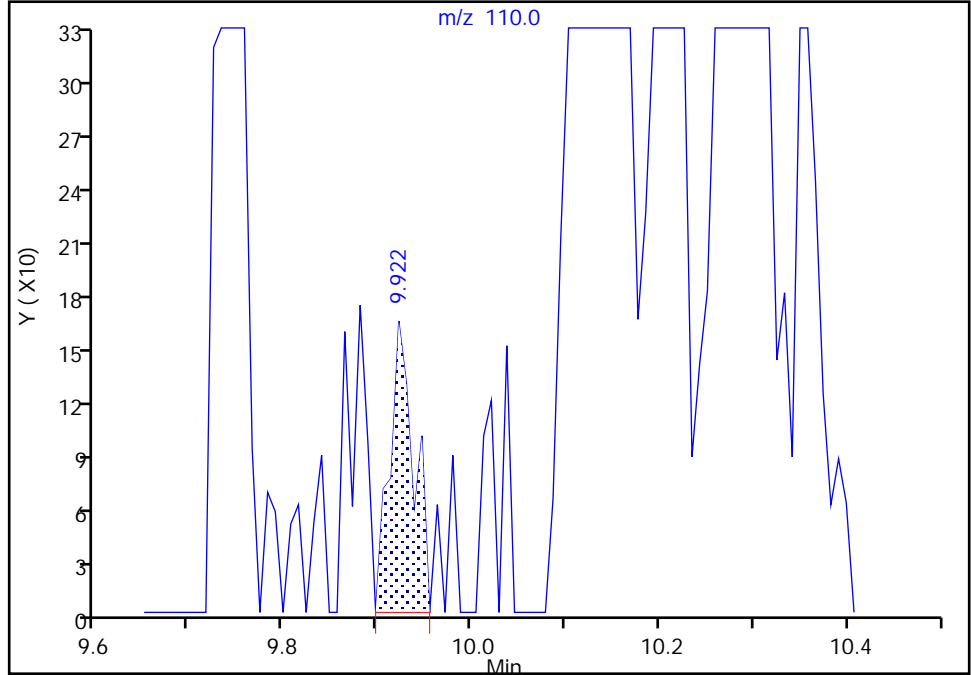
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
Injection Date: 05-Jan-2021 18:59:30 Instrument ID: CVOAMS6  
Lims ID: STD500  
Client ID:  
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

104 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

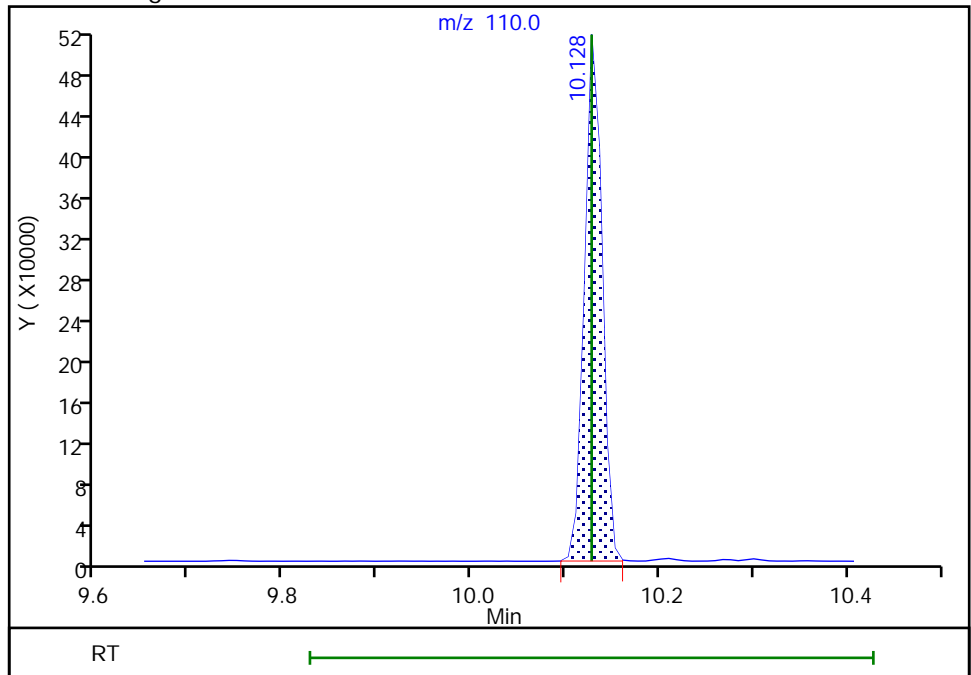
RT: 9.92  
Area: 294  
Amount: 0.249076  
Amount Units: ug/l

Processing Integration Results



RT: 10.13  
Area: 662645  
Amount: 472.9302  
Amount Units: ug/l

Manual Integration Results



Reviewer: kluseys, 06-Jan-2021 18:24:27  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

**Calibration**

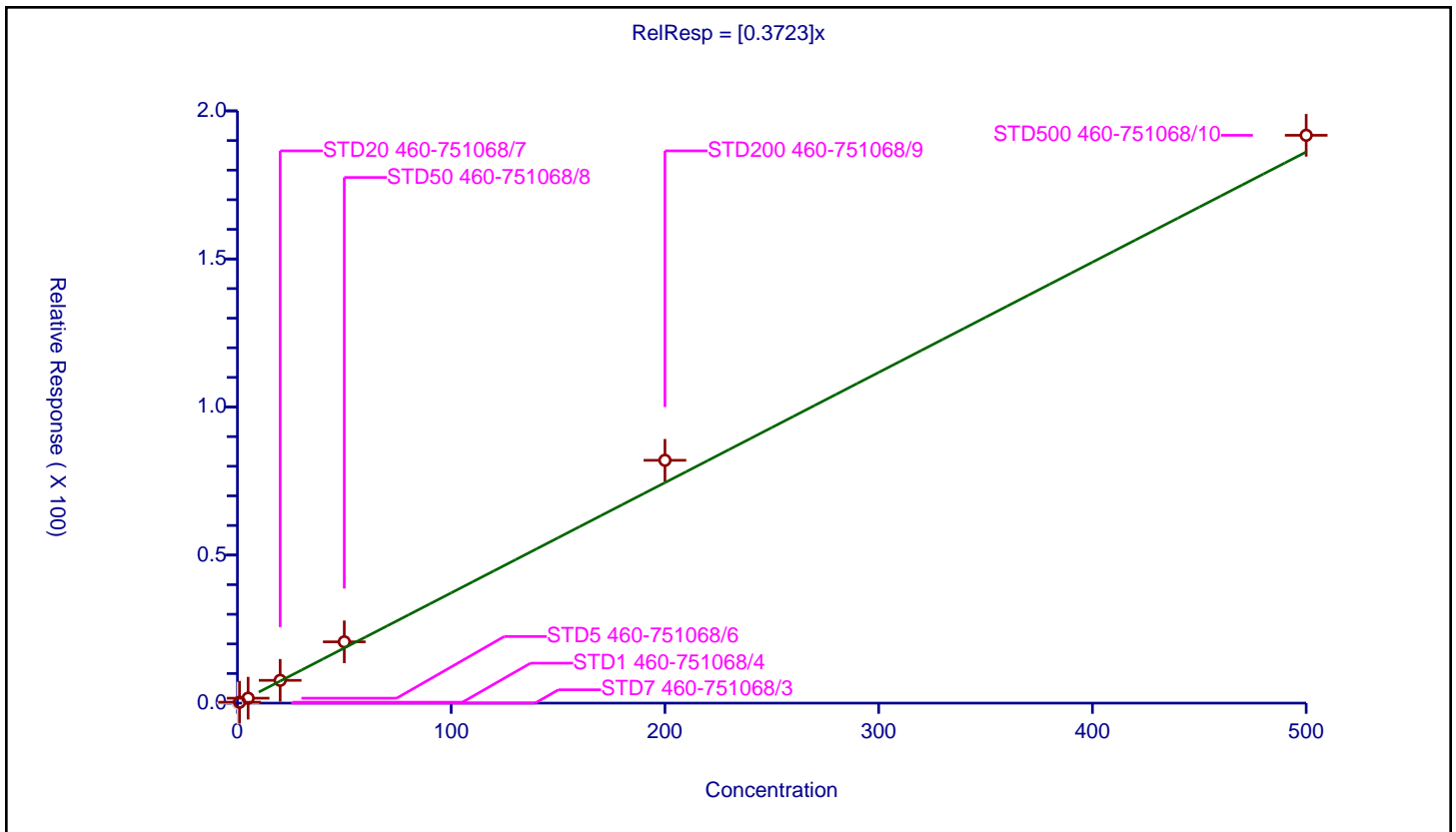
/ Dichlorodifluoromethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3723

Error Coefficients	
Standard Error:	1400000
Relative Standard Error:	11.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.306861	50.0	560352.0	0.306861	Y
3	STD5 460-751068/6	5.0	1.672727	50.0	543125.0	0.334545	Y
4	STD20 460-751068/7	20.0	7.69358	50.0	580419.0	0.384679	Y
5	STD50 460-751068/8	50.0	20.700077	50.0	644186.0	0.414002	Y
6	STD200 460-751068/9	200.0	82.000936	50.0	668932.0	0.410005	Y
7	STD500 460-751068/10	500.0	191.762919	50.0	760330.0	0.383526	Y



**Calibration**

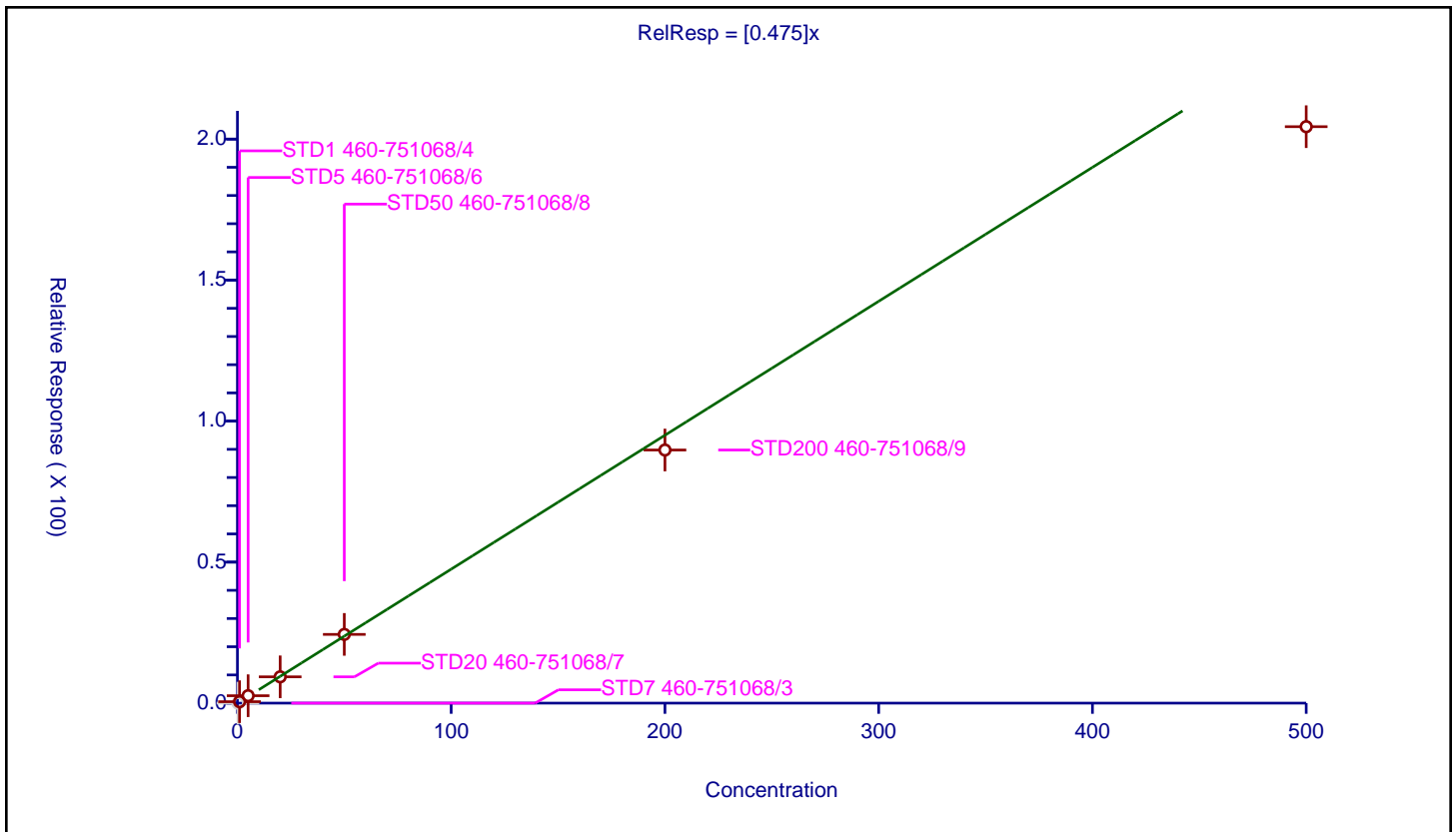
/ Chloromethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.475

Error Coefficients	
Standard Error:	1500000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.511643	50.0	560352.0	0.511643	Y
3	STD5 460-751068/6	5.0	2.634476	50.0	543125.0	0.526895	Y
4	STD20 460-751068/7	20.0	9.325935	50.0	580419.0	0.466297	Y
5	STD50 460-751068/8	50.0	24.365401	50.0	644186.0	0.487308	Y
6	STD200 460-751068/9	200.0	89.752546	50.0	668932.0	0.448763	Y
7	STD500 460-751068/10	500.0	204.403088	50.0	760330.0	0.408806	Y



**Calibration**

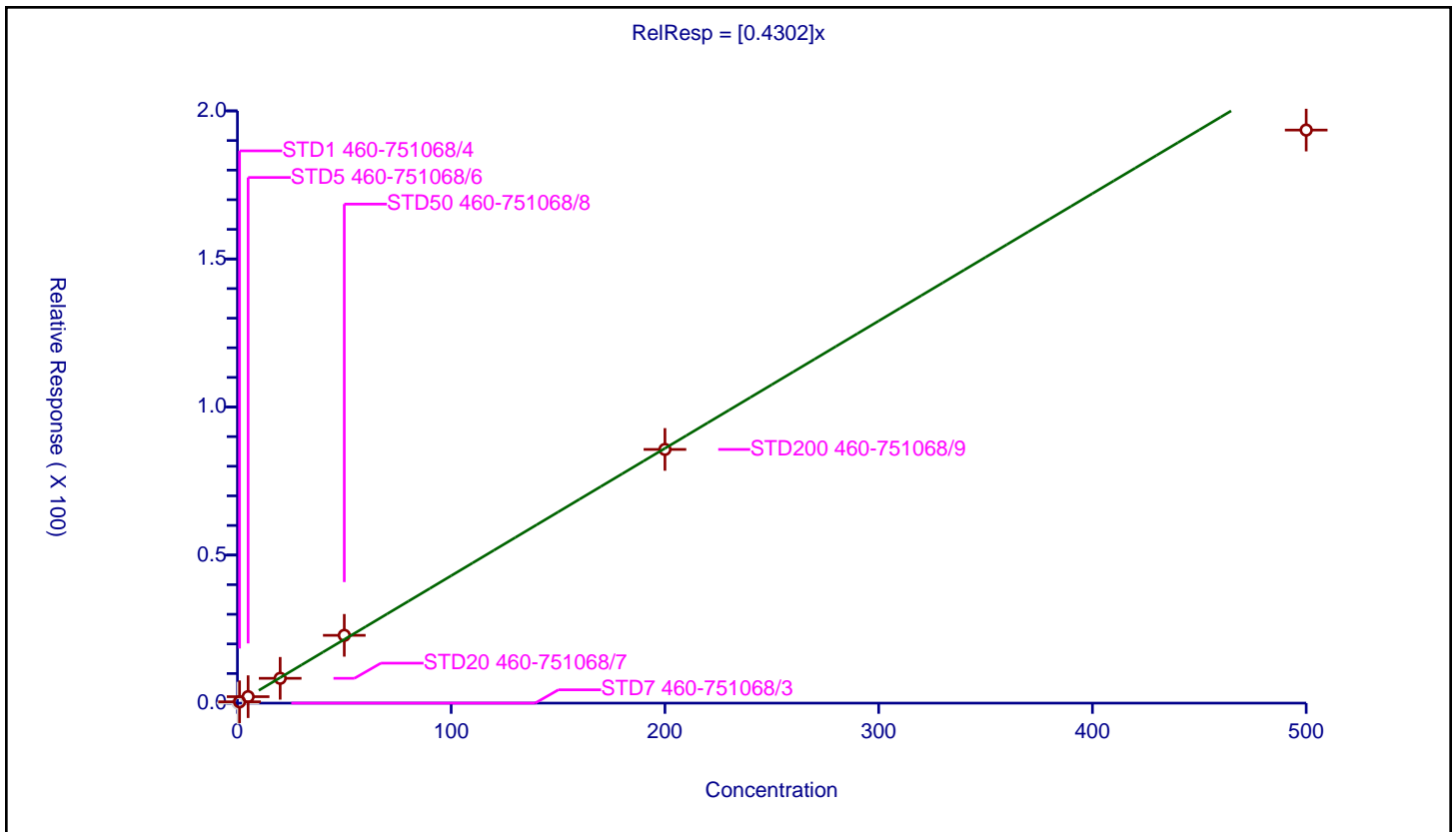
/ Vinyl chloride

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4302

Error Coefficients	
Standard Error:	1420000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.452216	50.0	560352.0	0.452216	Y
3	STD5 460-751068/6	5.0	2.184212	50.0	543125.0	0.436842	Y
4	STD20 460-751068/7	20.0	8.377482	50.0	580419.0	0.418874	Y
5	STD50 460-751068/8	50.0	22.897346	50.0	644186.0	0.457947	Y
6	STD200 460-751068/9	200.0	85.676496	50.0	668932.0	0.428382	Y
7	STD500 460-751068/10	500.0	193.528402	50.0	760330.0	0.387057	Y



**Calibration**

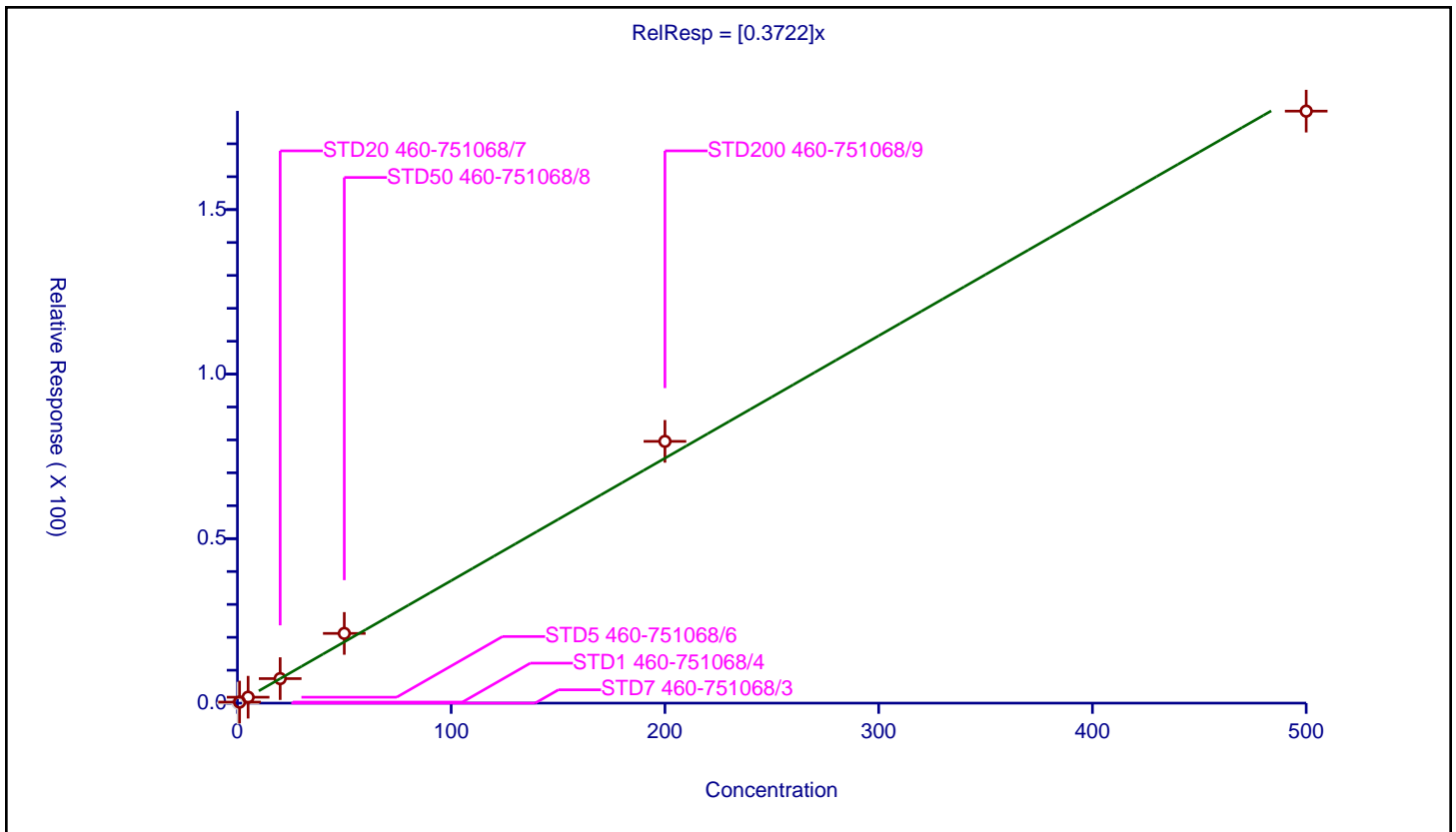
**/ Butadiene**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3722

Error Coefficients	
Standard Error:	1320000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.318996	50.0	560352.0	0.318996	Y
3	STD5 460-751068/6	5.0	1.801427	50.0	543125.0	0.360285	Y
4	STD20 460-751068/7	20.0	7.449015	50.0	580419.0	0.372451	Y
5	STD50 460-751068/8	50.0	21.188446	50.0	644186.0	0.423769	Y
6	STD200 460-751068/9	200.0	79.56003	50.0	668932.0	0.3978	Y
7	STD500 460-751068/10	500.0	179.92523	50.0	760330.0	0.35985	Y





Calibration

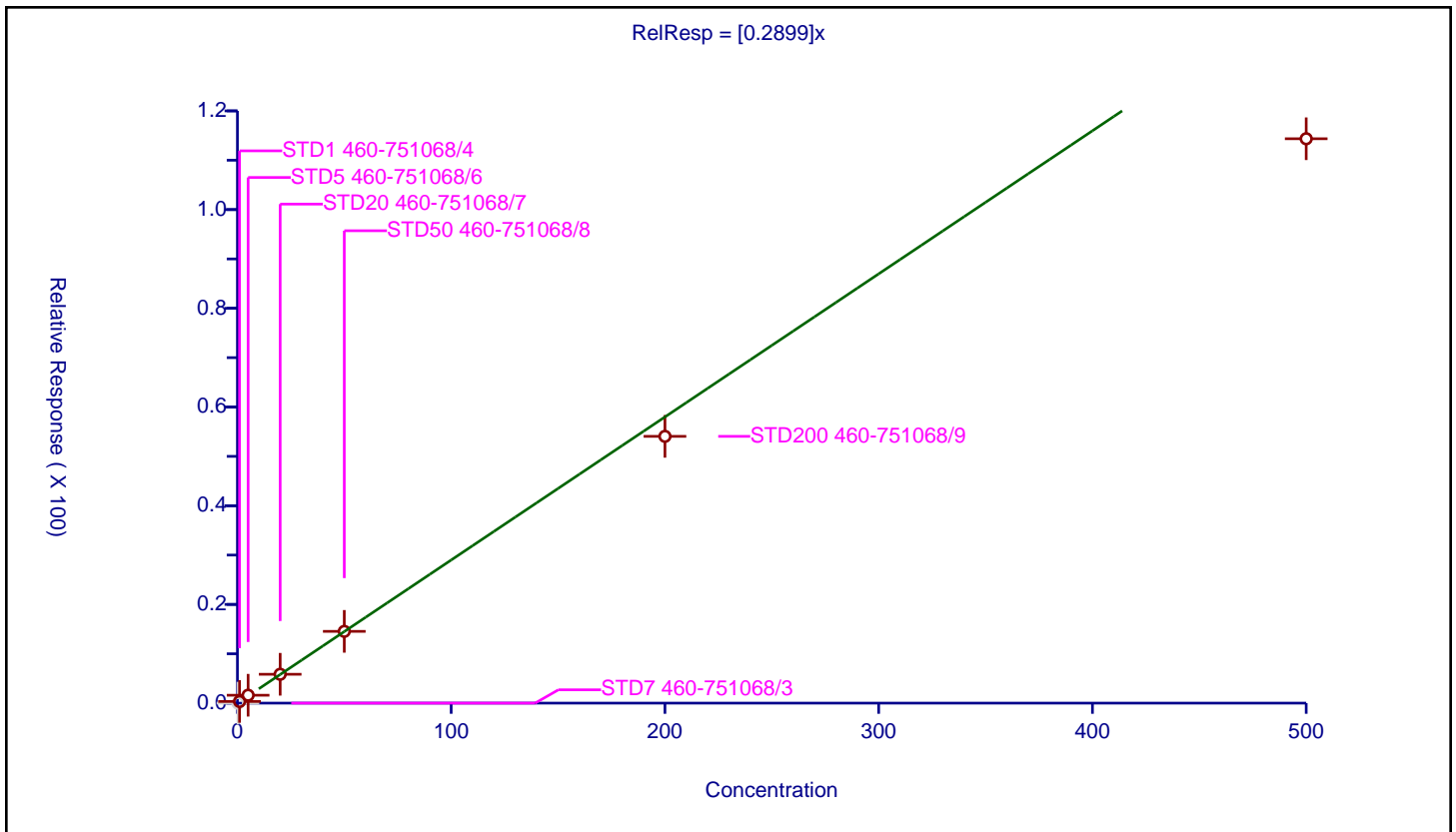
/ Bromomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2899

Error Coefficients	
Standard Error:	847000
Relative Standard Error:	13.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.33702	50.0	560352.0	0.33702	Y
3	STD5 460-751068/6	5.0	1.601197	50.0	543125.0	0.320239	Y
4	STD20 460-751068/7	20.0	5.84905	50.0	580419.0	0.292453	Y
5	STD50 460-751068/8	50.0	14.542927	50.0	644186.0	0.290859	Y
6	STD200 460-751068/9	200.0	54.054747	50.0	668932.0	0.270274	Y
7	STD500 460-751068/10	500.0	114.354425	50.0	760330.0	0.228709	Y



**Calibration**

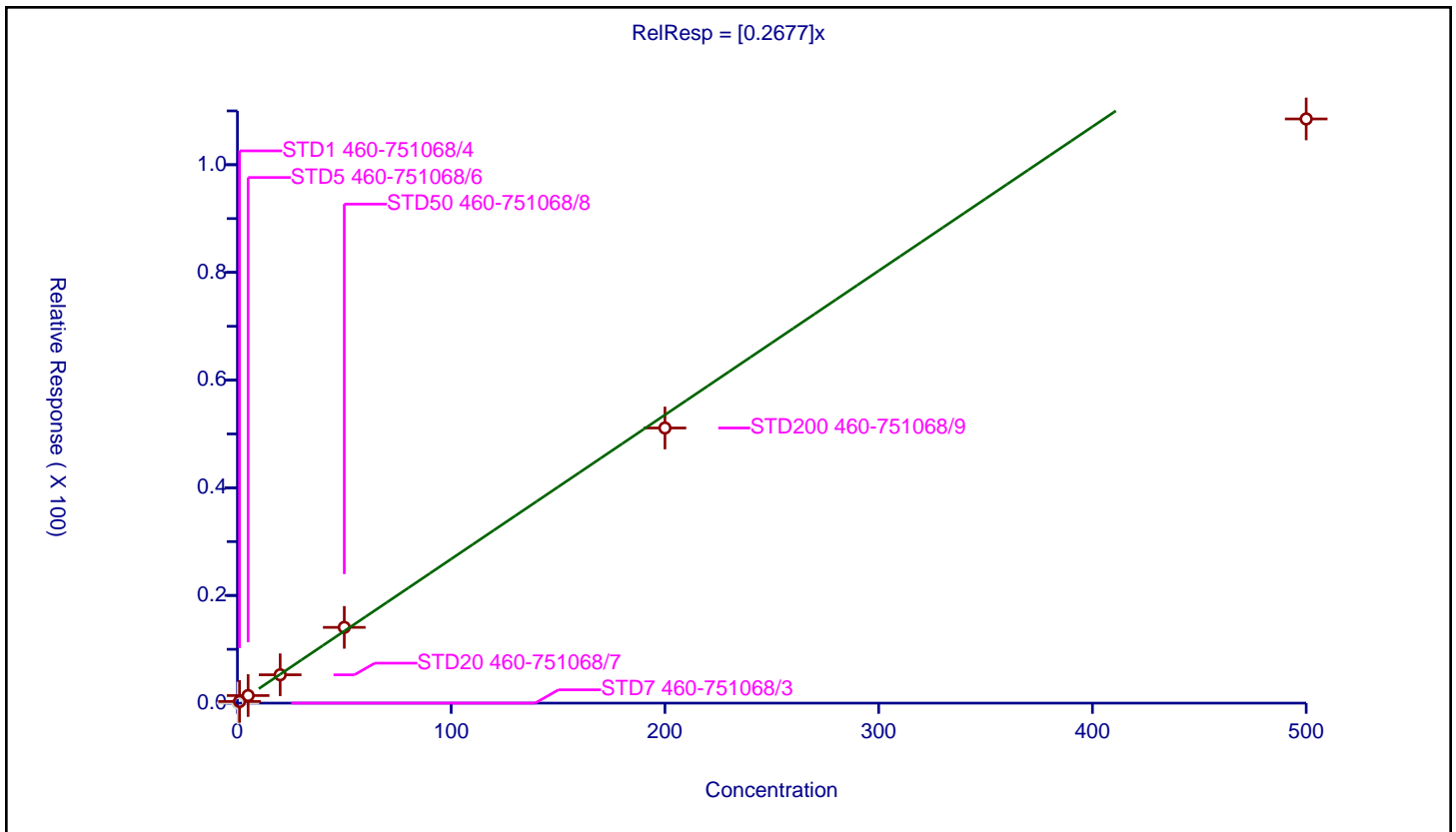
**/ Chloroethane**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** ISTD  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	0.2677

Error Coefficients	
<b>Standard Error:</b>	803000
<b>Relative Standard Error:</b>	11.5
<b>Correlation Coefficient:</b>	1.000
<b>Coefficient of Determination (Adjusted):</b>	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.307664	50.0	560352.0	0.307664	Y
3	STD5 460-751068/6	5.0	1.405938	50.0	543125.0	0.281188	Y
4	STD20 460-751068/7	20.0	5.264645	50.0	580419.0	0.263232	Y
5	STD50 460-751068/8	50.0	14.07179	50.0	644186.0	0.281436	Y
6	STD200 460-751068/9	200.0	51.104746	50.0	668932.0	0.255524	Y
7	STD500 460-751068/10	500.0	108.50532	50.0	760330.0	0.217011	Y



Calibration

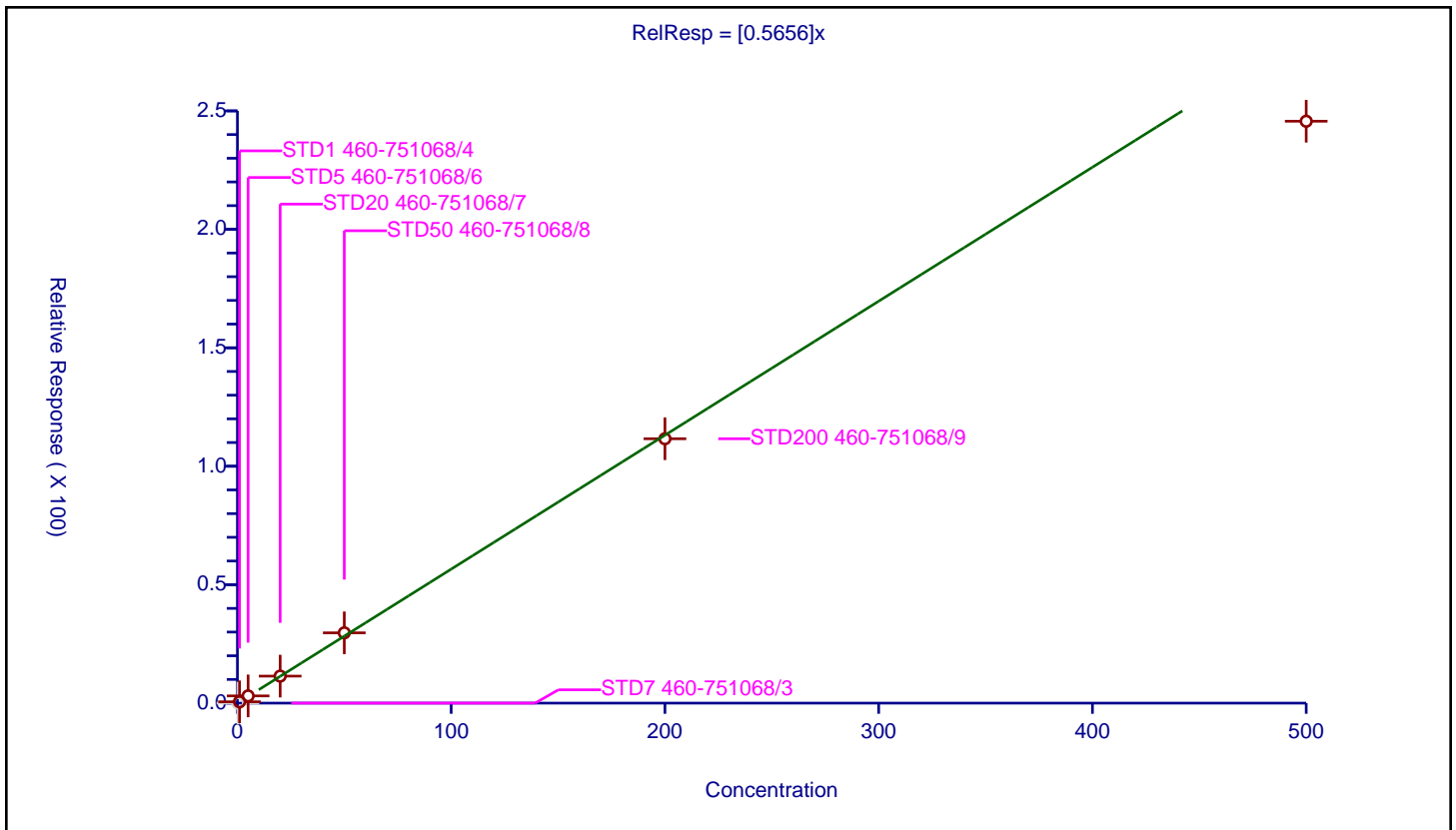
/ Dichlorofluoromethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5656

Error Coefficients	
Standard Error:	1810000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.570534	50.0	560352.0	0.570534	Y
3	STD5 460-751068/6	5.0	3.04985	50.0	543125.0	0.60997	Y
4	STD20 460-751068/7	20.0	11.401677	50.0	580419.0	0.570084	Y
5	STD50 460-751068/8	50.0	29.672952	50.0	644186.0	0.593459	Y
6	STD200 460-751068/9	200.0	111.599086	50.0	668932.0	0.557995	Y
7	STD500 460-751068/10	500.0	245.633343	50.0	760330.0	0.491267	Y



Calibration

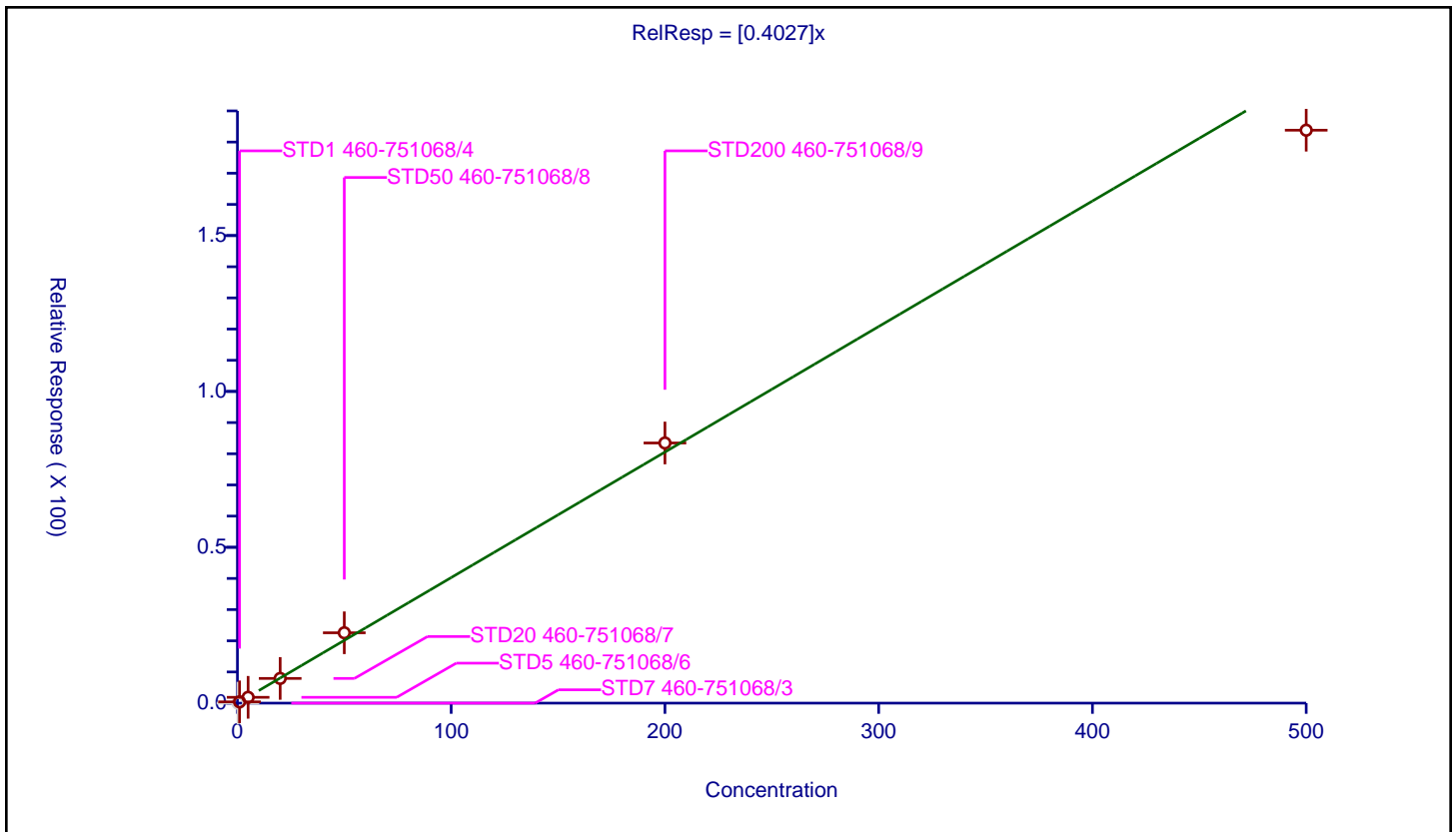
/ Trichlorofluoromethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4027

Error Coefficients	
Standard Error:	1350000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.25	0.0	50.0	611799.0	0.0	N
2	STD1 460-751068/4	1.0	0.411259	50.0	560352.0	0.411259	Y
3	STD5 460-751068/6	5.0	1.863107	50.0	543125.0	0.372621	Y
4	STD20 460-751068/7	20.0	7.923069	50.0	580419.0	0.396153	Y
5	STD50 460-751068/8	50.0	22.567085	50.0	644186.0	0.451342	Y
6	STD200 460-751068/9	200.0	83.460501	50.0	668932.0	0.417303	Y
7	STD500 460-751068/10	500.0	183.801047	50.0	760330.0	0.367602	Y



Calibration

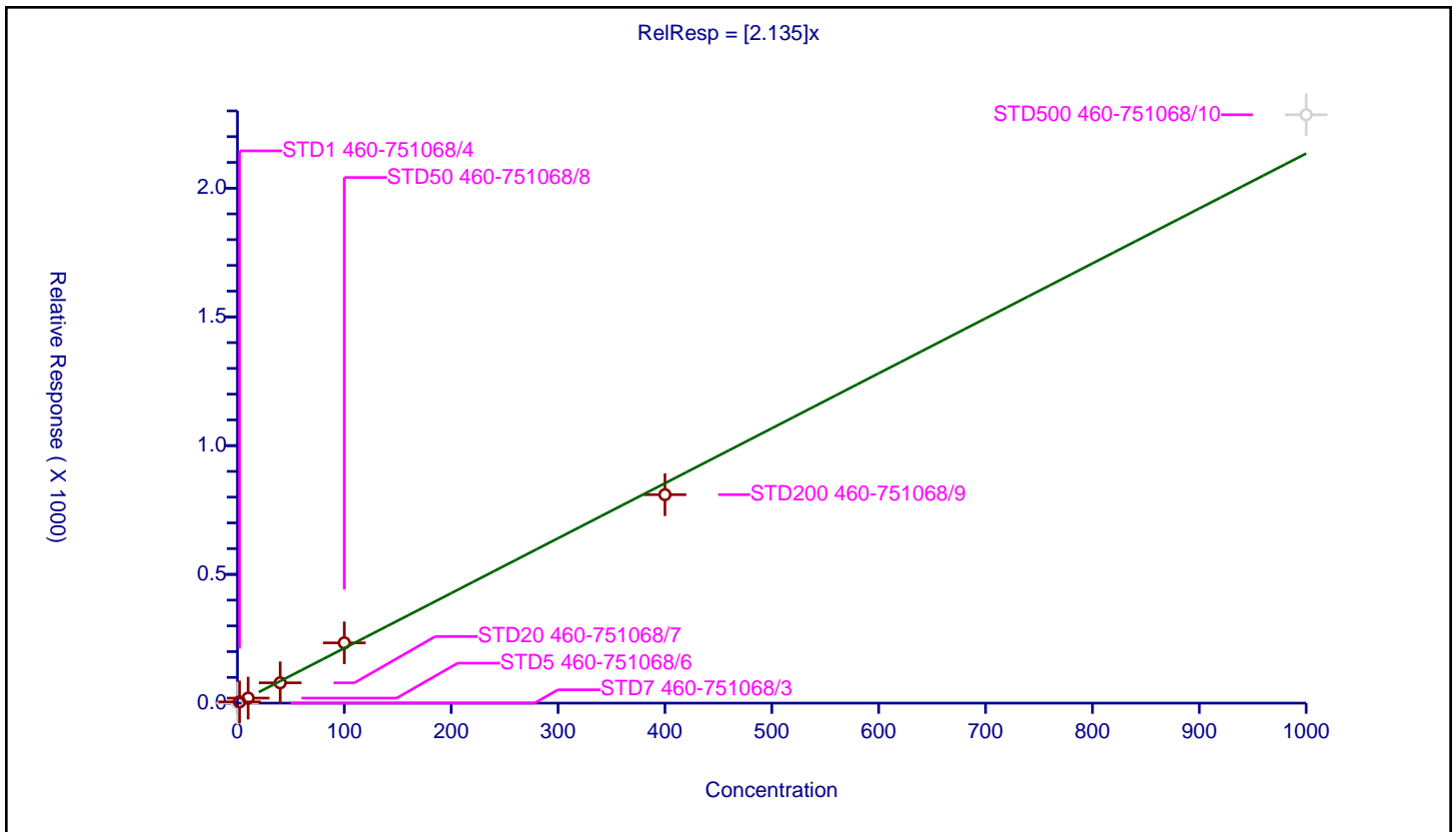
/ Pentane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.135

Error Coefficients	
Standard Error:	164000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	2.0	4.770922	1000.0	327400.0	2.385461	Y
3	STD5 460-751068/6	10.0	19.52727	1000.0	297379.0	1.952727	Y
4	STD20 460-751068/7	40.0	78.82788	1000.0	346654.0	1.970697	Y
5	STD50 460-751068/8	100.0	233.970002	1000.0	350156.0	2.3397	Y
6	STD200 460-751068/9	400.0	809.643668	1000.0	392527.0	2.024109	Y
7	STD500 460-751068/10	1000.0	2285.062499	1000.0	366246.0	2.285062	N



Calibration

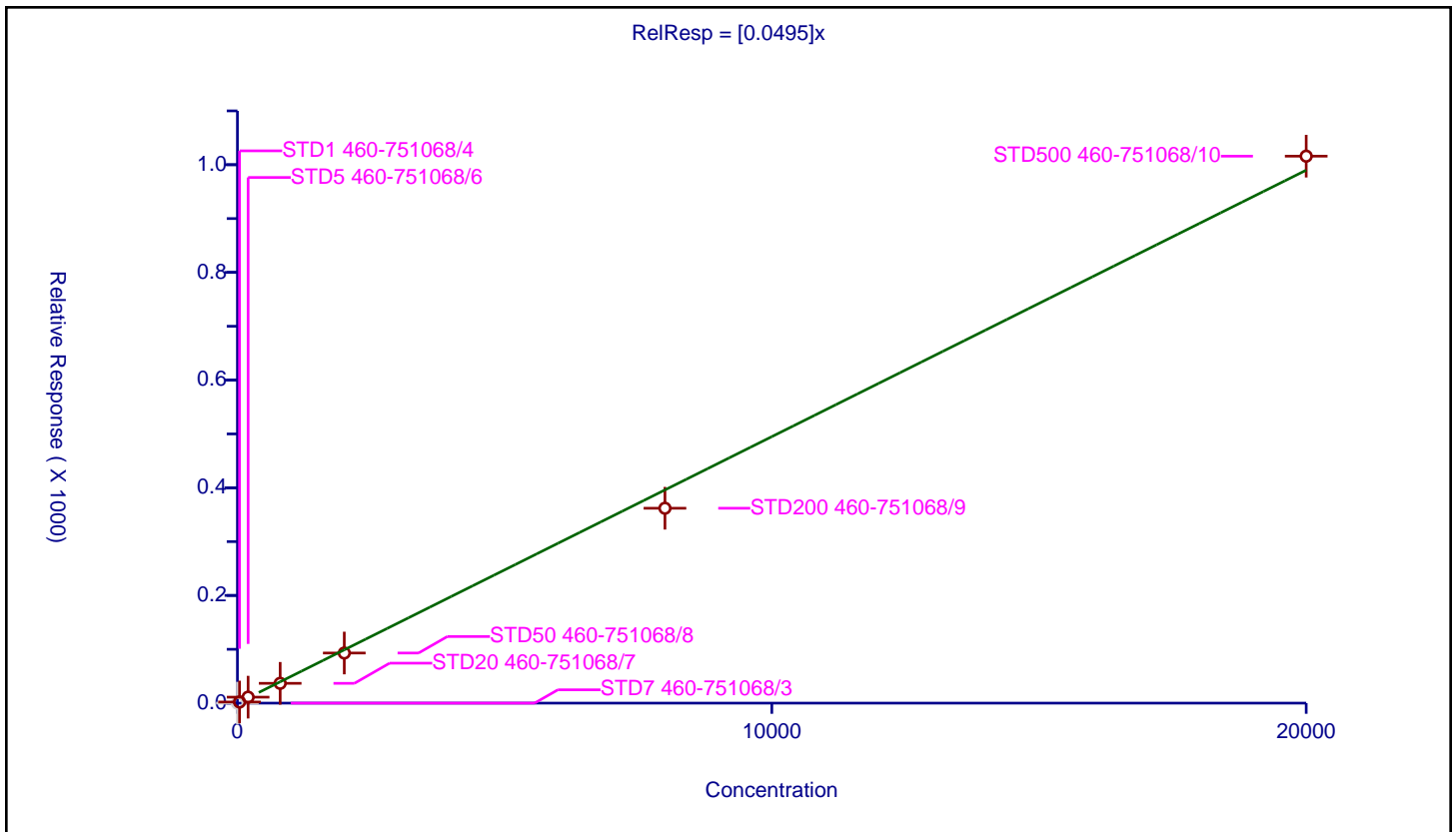
/ Ethanol

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.0495

Error Coefficients	
Standard Error:	178000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	40.0	2.116677	1000.0	327400.0	0.052917	Y
3	STD5 460-751068/6	200.0	11.09695	1000.0	297379.0	0.055485	Y
4	STD20 460-751068/7	800.0	36.800383	1000.0	346654.0	0.046	Y
5	STD50 460-751068/8	2000.0	93.058522	1000.0	350156.0	0.046529	Y
6	STD200 460-751068/9	8000.0	361.970005	1000.0	392527.0	0.045246	Y
7	STD500 460-751068/10	20000.0	1015.893689	1000.0	366246.0	0.050795	Y



Calibration

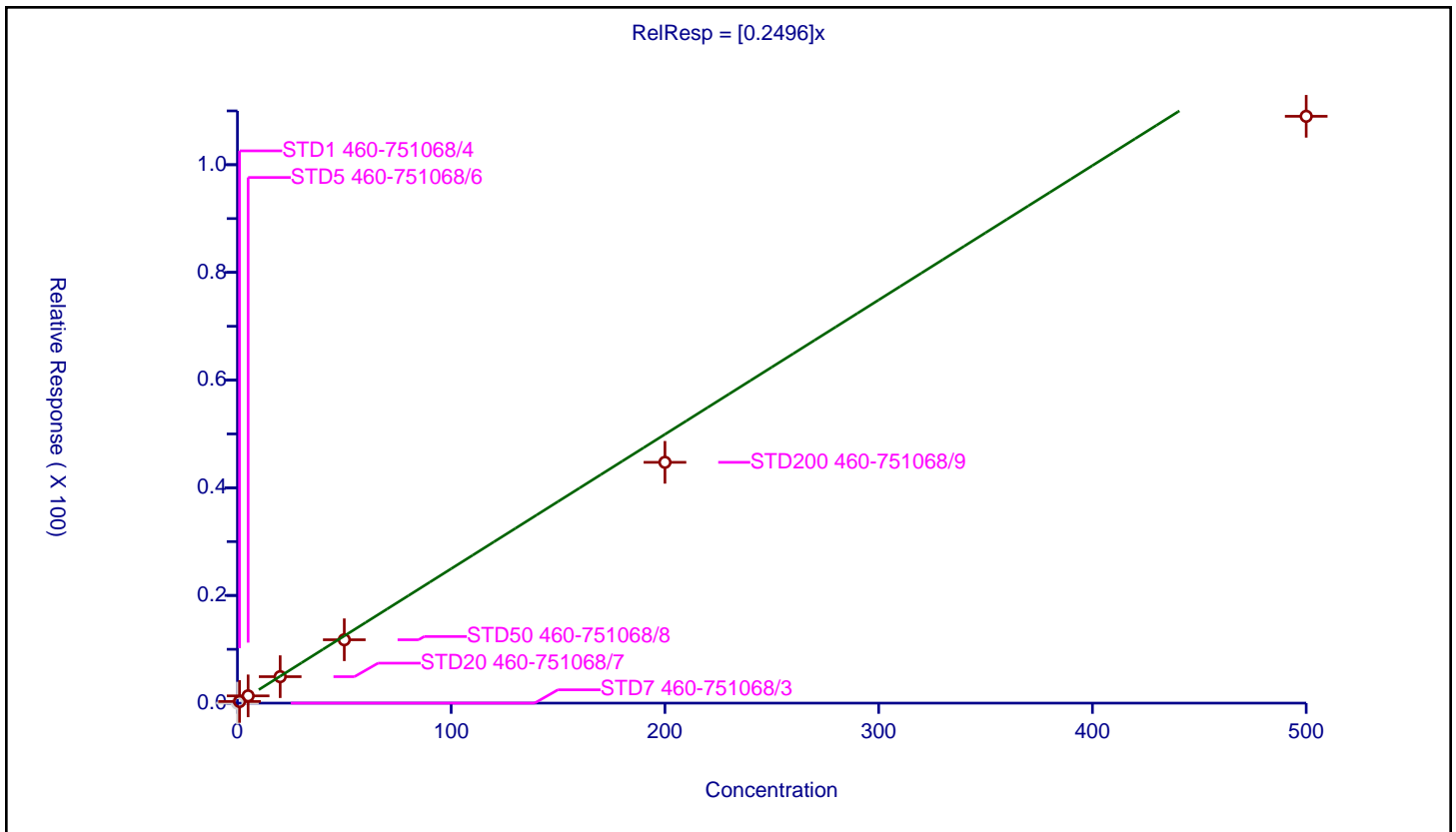
/ Ethyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2496

Error Coefficients	
Standard Error:	791000
Relative Standard Error:	13.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.304987	50.0	560352.0	0.304987	Y
3	STD5 460-751068/6	5.0	1.350426	50.0	543125.0	0.270085	Y
4	STD20 460-751068/7	20.0	4.912227	50.0	580419.0	0.245611	Y
5	STD50 460-751068/8	50.0	11.769582	50.0	644186.0	0.235392	Y
6	STD200 460-751068/9	200.0	44.728463	50.0	668932.0	0.223642	Y
7	STD500 460-751068/10	500.0	108.996094	50.0	760330.0	0.217992	Y



**Calibration**

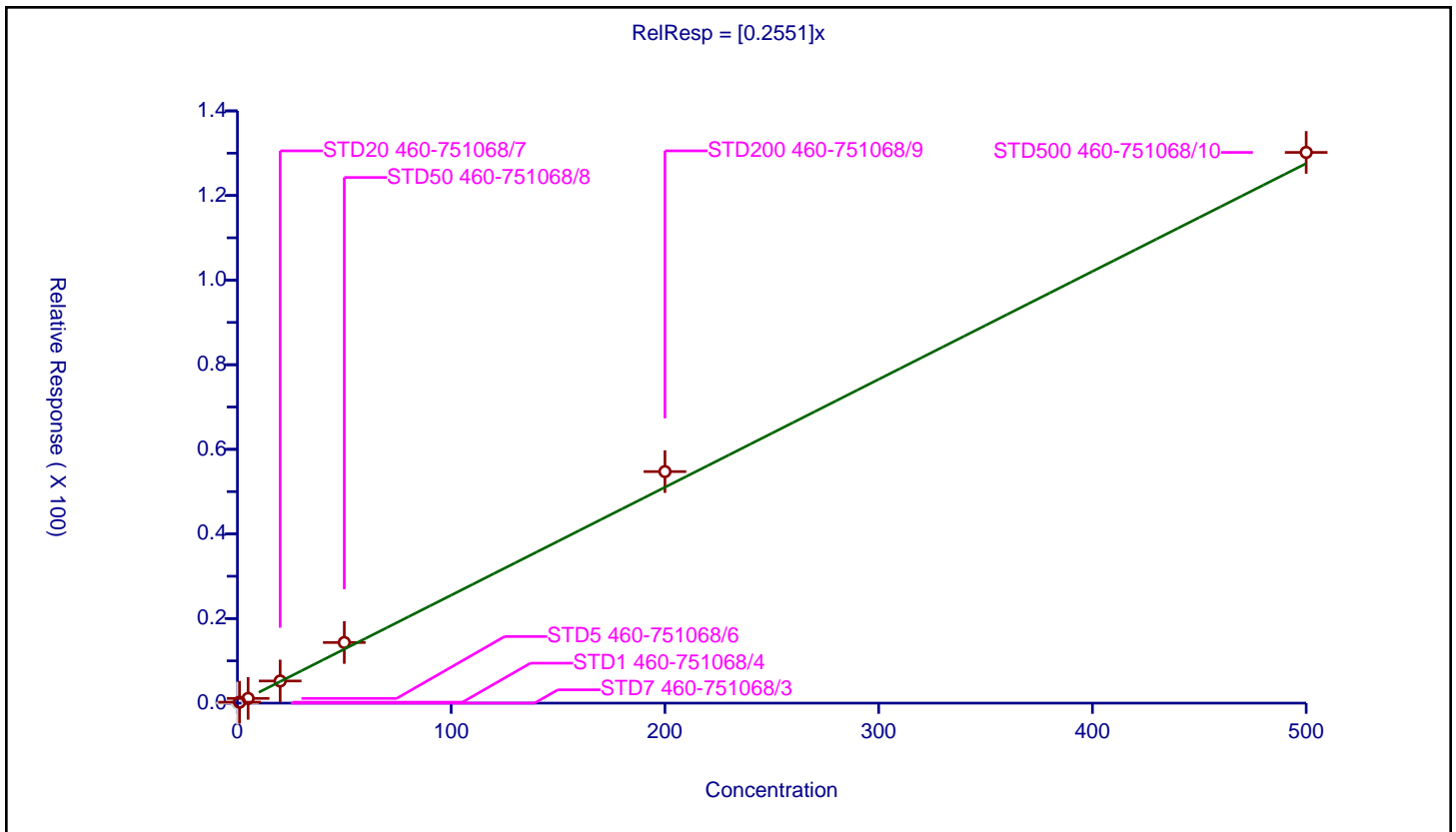
**/ 2-Methyl-1,3-butadiene**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2551

Error Coefficients	
Standard Error:	948000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.225216	50.0	560352.0	0.225216	Y
3	STD5 460-751068/6	5.0	1.116686	50.0	543125.0	0.223337	Y
4	STD20 460-751068/7	20.0	5.231996	50.0	580419.0	0.2616	Y
5	STD50 460-751068/8	50.0	14.333515	50.0	644186.0	0.28667	Y
6	STD200 460-751068/9	200.0	54.735982	50.0	668932.0	0.27368	Y
7	STD500 460-751068/10	500.0	130.182487	50.0	760330.0	0.260365	Y





Calibration

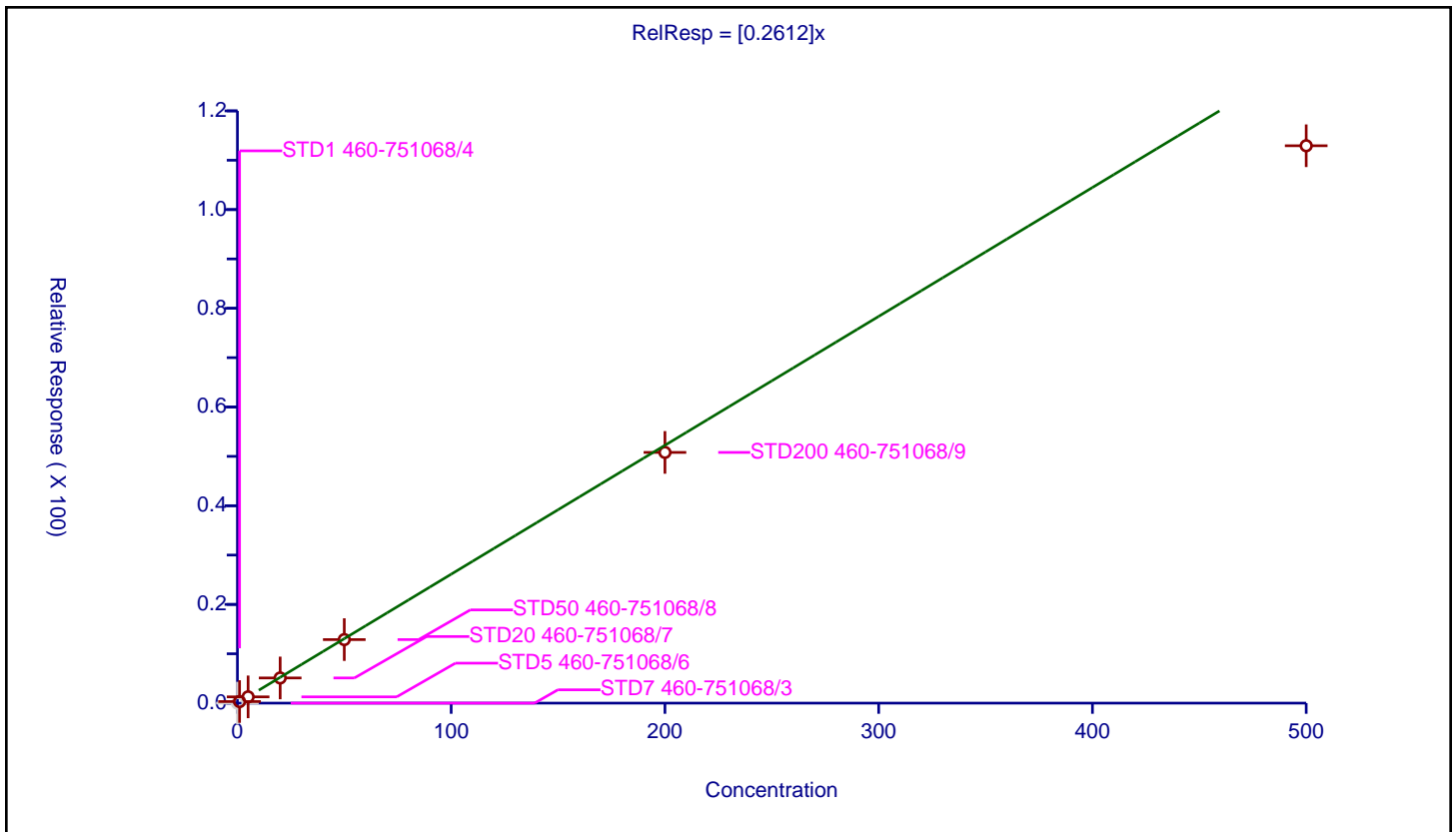
/ 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2612

Error Coefficients	
Standard Error:	830000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.320156	50.0	560352.0	0.320156	Y
3	STD5 460-751068/6	5.0	1.273003	50.0	543125.0	0.254601	Y
4	STD20 460-751068/7	20.0	5.100884	50.0	580419.0	0.255044	Y
5	STD50 460-751068/8	50.0	12.875396	50.0	644186.0	0.257508	Y
6	STD200 460-751068/9	200.0	50.798437	50.0	668932.0	0.253992	Y
7	STD500 460-751068/10	500.0	112.934186	50.0	760330.0	0.225868	Y



Calibration

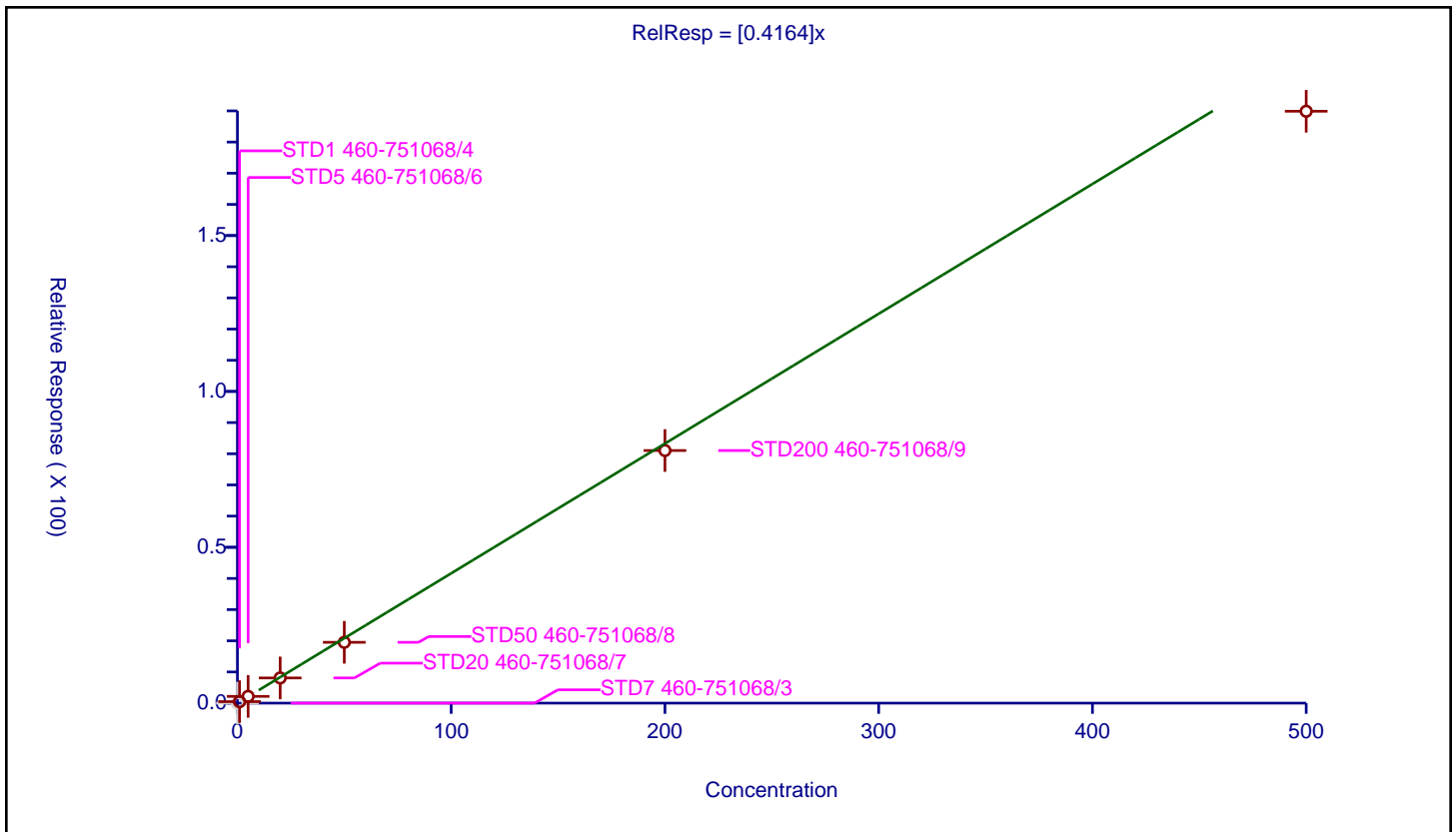
/ 1,1,1-Trifluoro-2,2-dichloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4164

Error Coefficients	
Standard Error:	1380000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.486569	50.0	560352.0	0.486569	Y
3	STD5 460-751068/6	5.0	2.162394	50.0	543125.0	0.432479	Y
4	STD20 460-751068/7	20.0	8.079422	50.0	580419.0	0.403971	Y
5	STD50 460-751068/8	50.0	19.509039	50.0	644186.0	0.390181	Y
6	STD200 460-751068/9	200.0	81.041272	50.0	668932.0	0.405206	Y
7	STD500 460-751068/10	500.0	189.889587	50.0	760330.0	0.379779	Y



Calibration

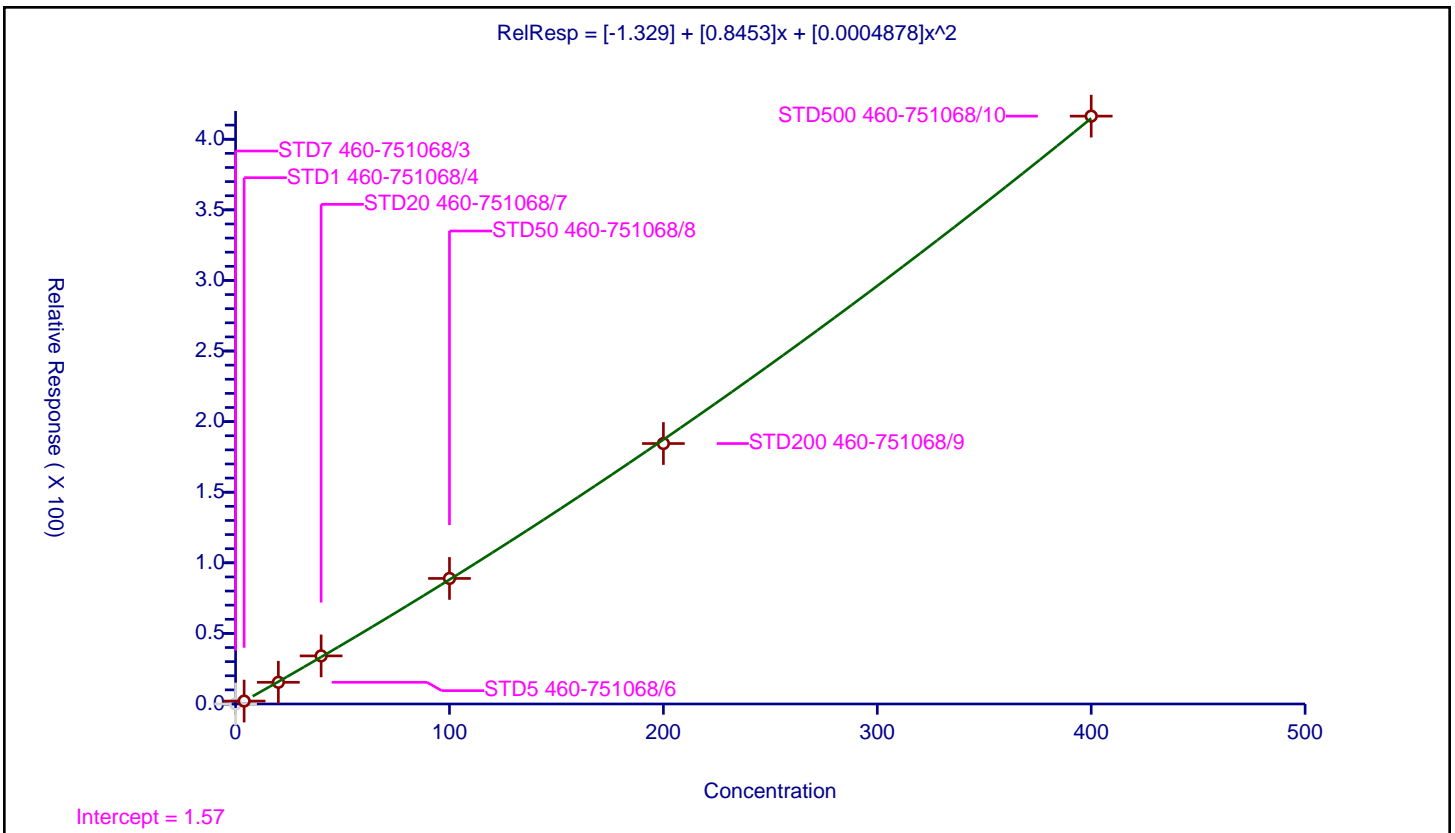
/ Acrolein

Curve Type: Quadratic  
 Weighting: Conc\_Sq  
 Origin: None  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	-1.329
Slope:	0.8453
Second Order:	0.0004878

Error Coefficients	
Standard Error:	99100
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	4.000016	2.067807	1000.0	327400.0	0.51695	Y
3	STD5 460-751068/6	20.000082	15.367595	1000.0	297379.0	0.768377	Y
4	STD20 460-751068/7	40.000164	34.057014	1000.0	346654.0	0.851422	Y
5	STD50 460-751068/8	100.00041	88.926079	1000.0	350156.0	0.889257	Y
6	STD200 460-751068/9	200.00082	184.481577	1000.0	392527.0	0.922404	Y
7	STD500 460-751068/10	400.00164	416.367687	1000.0	366246.0	1.040915	Y



Calibration

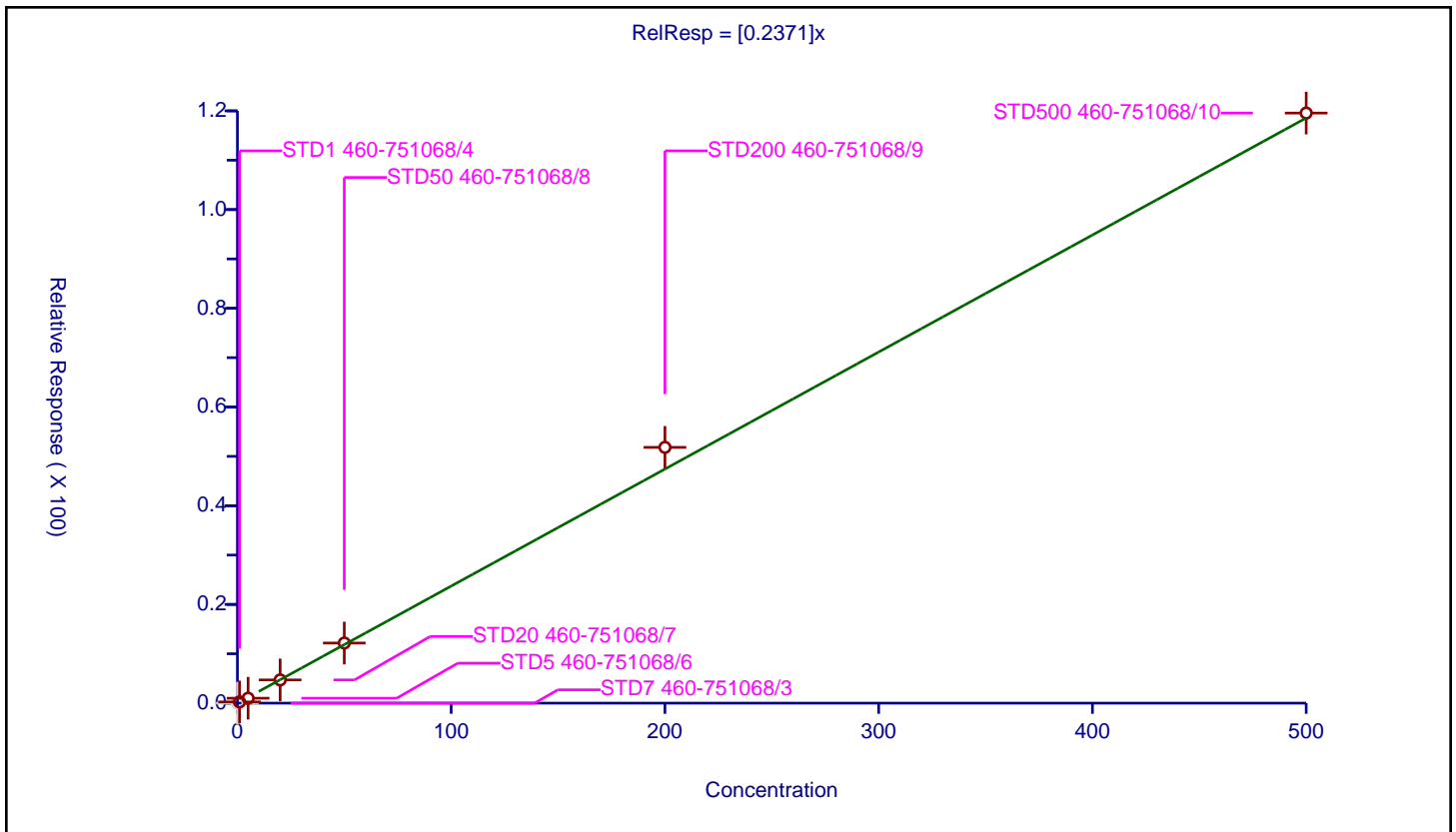
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2371

Error Coefficients	
Standard Error:	873000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.246631	50.0	560352.0	0.246631	Y
3	STD5 460-751068/6	5.0	0.996087	50.0	543125.0	0.199217	Y
4	STD20 460-751068/7	20.0	4.702034	50.0	580419.0	0.235102	Y
5	STD50 460-751068/8	50.0	12.179712	50.0	644186.0	0.243594	Y
6	STD200 460-751068/9	200.0	51.823504	50.0	668932.0	0.259118	Y
7	STD500 460-751068/10	500.0	119.559665	50.0	760330.0	0.239119	Y



**Calibration**

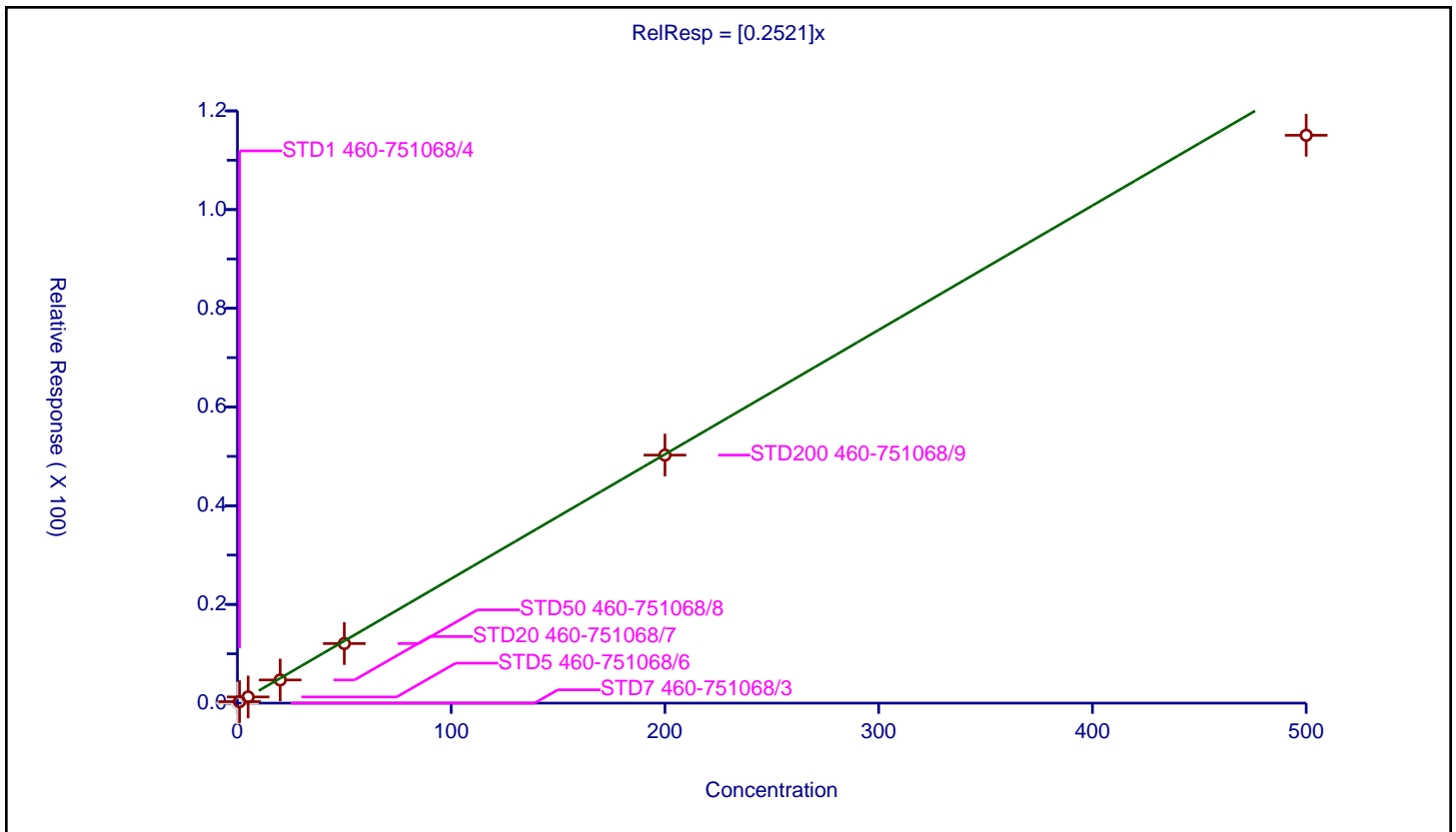
/ 1,1-Dichloroethene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2521

Error Coefficients	
Standard Error:	841000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.305344	50.0	560352.0	0.305344	Y
3	STD5 460-751068/6	5.0	1.248792	50.0	543125.0	0.249758	Y
4	STD20 460-751068/7	20.0	4.689802	50.0	580419.0	0.23449	Y
5	STD50 460-751068/8	50.0	12.067089	50.0	644186.0	0.241342	Y
6	STD200 460-751068/9	200.0	50.255183	50.0	668932.0	0.251276	Y
7	STD500 460-751068/10	500.0	115.064643	50.0	760330.0	0.230129	Y



Calibration

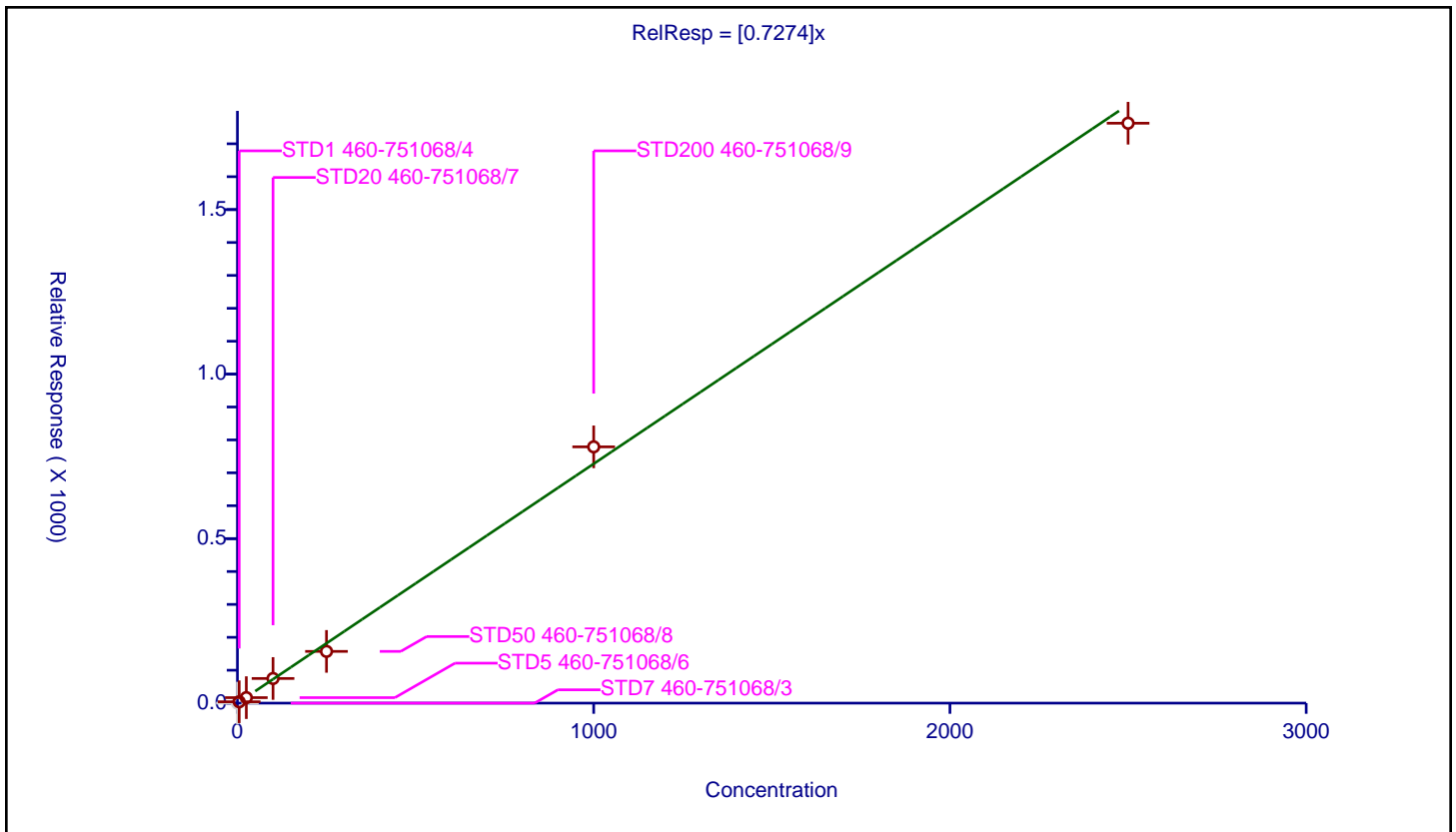
/ Acetone

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7274

Error Coefficients	
Standard Error:	1700000
Relative Standard Error:	10.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	250.0	356267.0	NaN	N
2	STD1 460-751068/4	5.0	4.163057	250.0	327824.0	0.832611	Y
3	STD5 460-751068/6	25.0	16.749949	250.0	324598.0	0.669998	Y
4	STD20 460-751068/7	100.0	74.887035	250.0	333509.0	0.74887	Y
5	STD50 460-751068/8	250.0	157.212124	250.0	388041.0	0.628848	Y
6	STD200 460-751068/9	1000.0	778.946727	250.0	414071.0	0.778947	Y
7	STD500 460-751068/10	2500.0	1762.482271	250.0	505537.0	0.704993	Y



**Calibration**

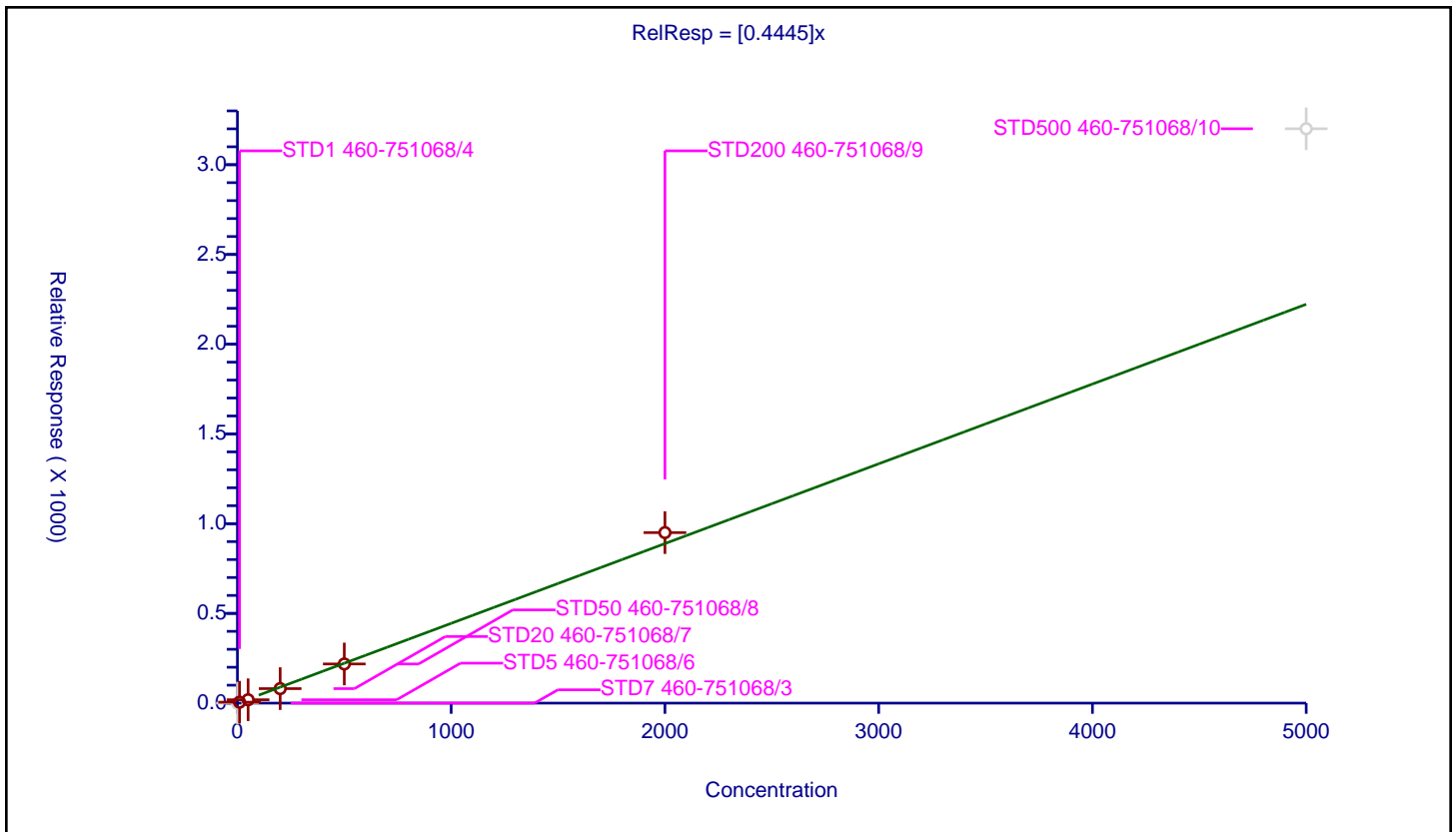
/ Isopropyl alcohol

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4445

Error Coefficients	
Standard Error:	190000
Relative Standard Error:	13.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	10.0	5.311546	1000.0	327400.0	0.531155	Y
3	STD5 460-751068/6	50.0	18.800924	1000.0	297379.0	0.376018	Y
4	STD20 460-751068/7	200.0	80.751989	1000.0	346654.0	0.40376	Y
5	STD50 460-751068/8	500.0	218.199888	1000.0	350156.0	0.4364	Y
6	STD200 460-751068/9	2000.0	950.110438	1000.0	392527.0	0.475055	Y
7	STD500 460-751068/10	5000.0	3200.392632	1000.0	366246.0	0.640079	N



**Calibration**

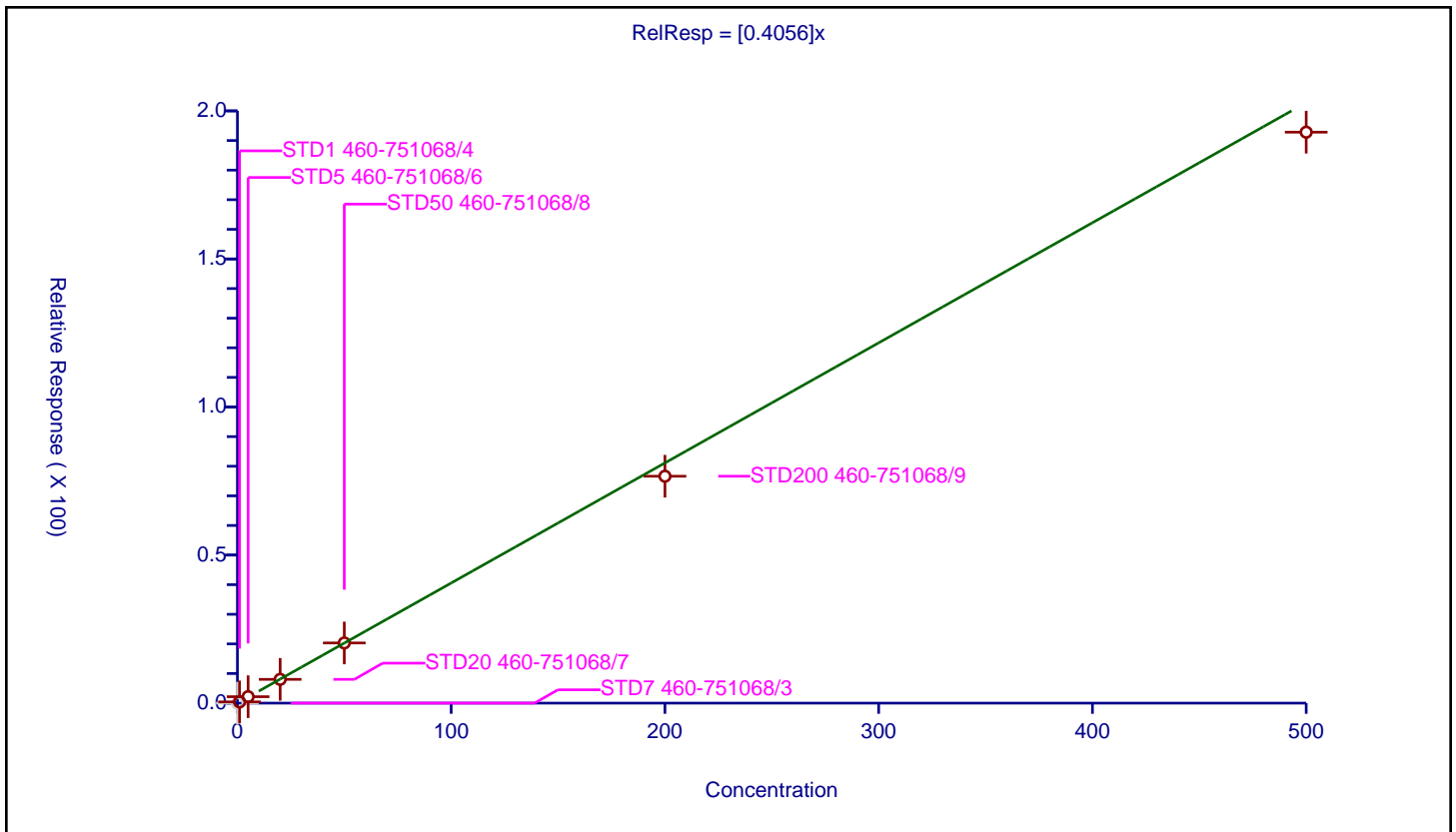
/ Iodomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4056

Error Coefficients	
Standard Error:	1390000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.422413	50.0	560352.0	0.422413	Y
3	STD5 460-751068/6	5.0	2.173072	50.0	543125.0	0.434614	Y
4	STD20 460-751068/7	20.0	8.025323	50.0	580419.0	0.401266	Y
5	STD50 460-751068/8	50.0	20.320218	50.0	644186.0	0.406404	Y
6	STD200 460-751068/9	200.0	76.626025	50.0	668932.0	0.38313	Y
7	STD500 460-751068/10	500.0	192.811148	50.0	760330.0	0.385622	Y





**Calibration**

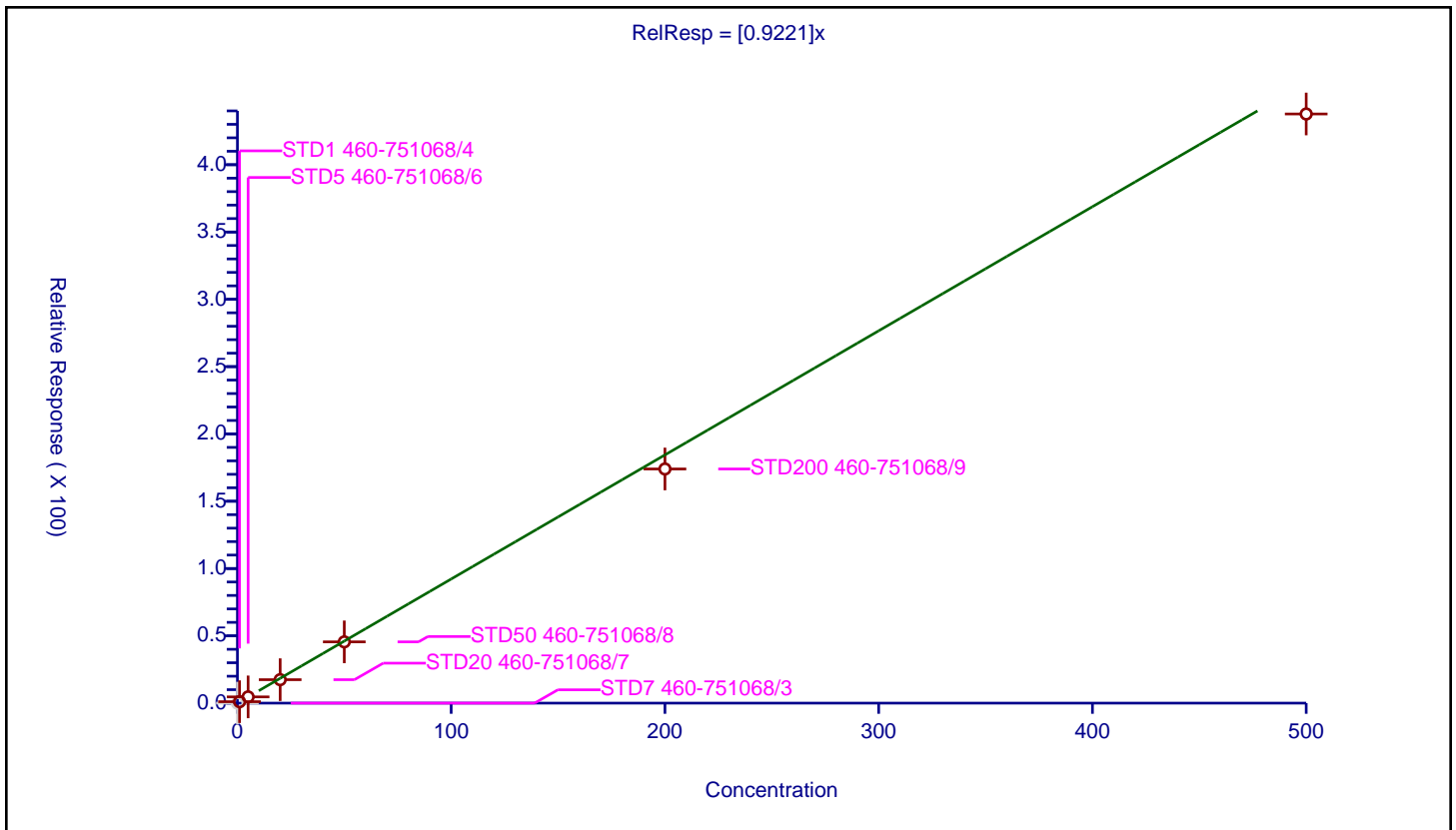
/ Carbon disulfide

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9221

Error Coefficients	
Standard Error:	3170000
Relative Standard Error:	8.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	1.075842	50.0	560352.0	1.075842	Y
3	STD5 460-751068/6	5.0	4.647641	50.0	543125.0	0.929528	Y
4	STD20 460-751068/7	20.0	17.429305	50.0	580419.0	0.871465	Y
5	STD50 460-751068/8	50.0	45.512399	50.0	644186.0	0.910248	Y
6	STD200 460-751068/9	200.0	173.962301	50.0	668932.0	0.869812	Y
7	STD500 460-751068/10	500.0	437.702774	50.0	760330.0	0.875406	Y



Calibration

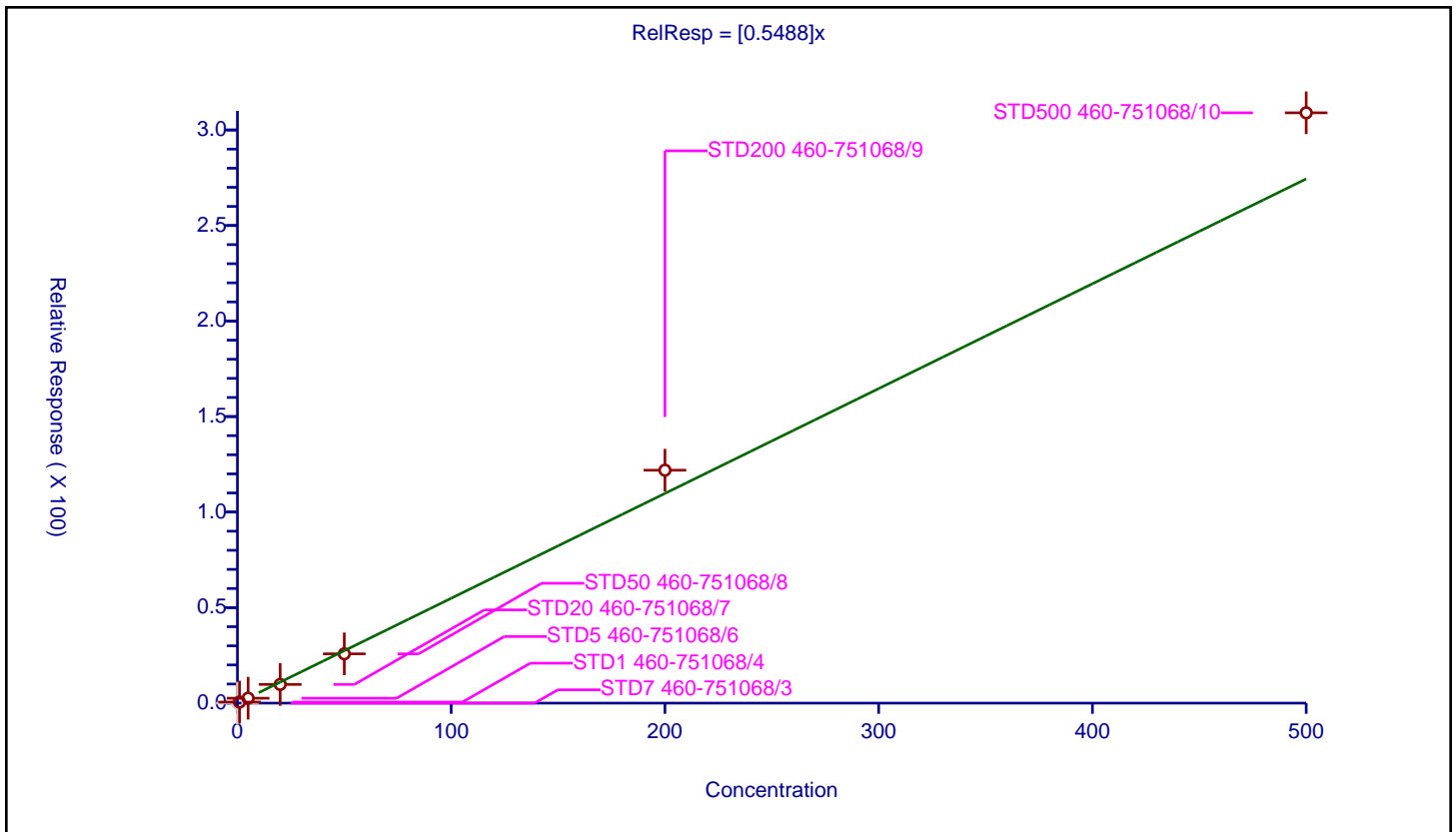
/ 3-Chloro-1-propene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5488

Error Coefficients	
Standard Error:	2230000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.545818	50.0	560352.0	0.545818	Y
3	STD5 460-751068/6	5.0	2.56847	50.0	543125.0	0.513694	Y
4	STD20 460-751068/7	20.0	9.795338	50.0	580419.0	0.489767	Y
5	STD50 460-751068/8	50.0	25.80039	50.0	644186.0	0.516008	Y
6	STD200 460-751068/9	200.0	121.917848	50.0	668932.0	0.609589	Y
7	STD500 460-751068/10	500.0	308.993924	50.0	760330.0	0.617988	Y



Calibration

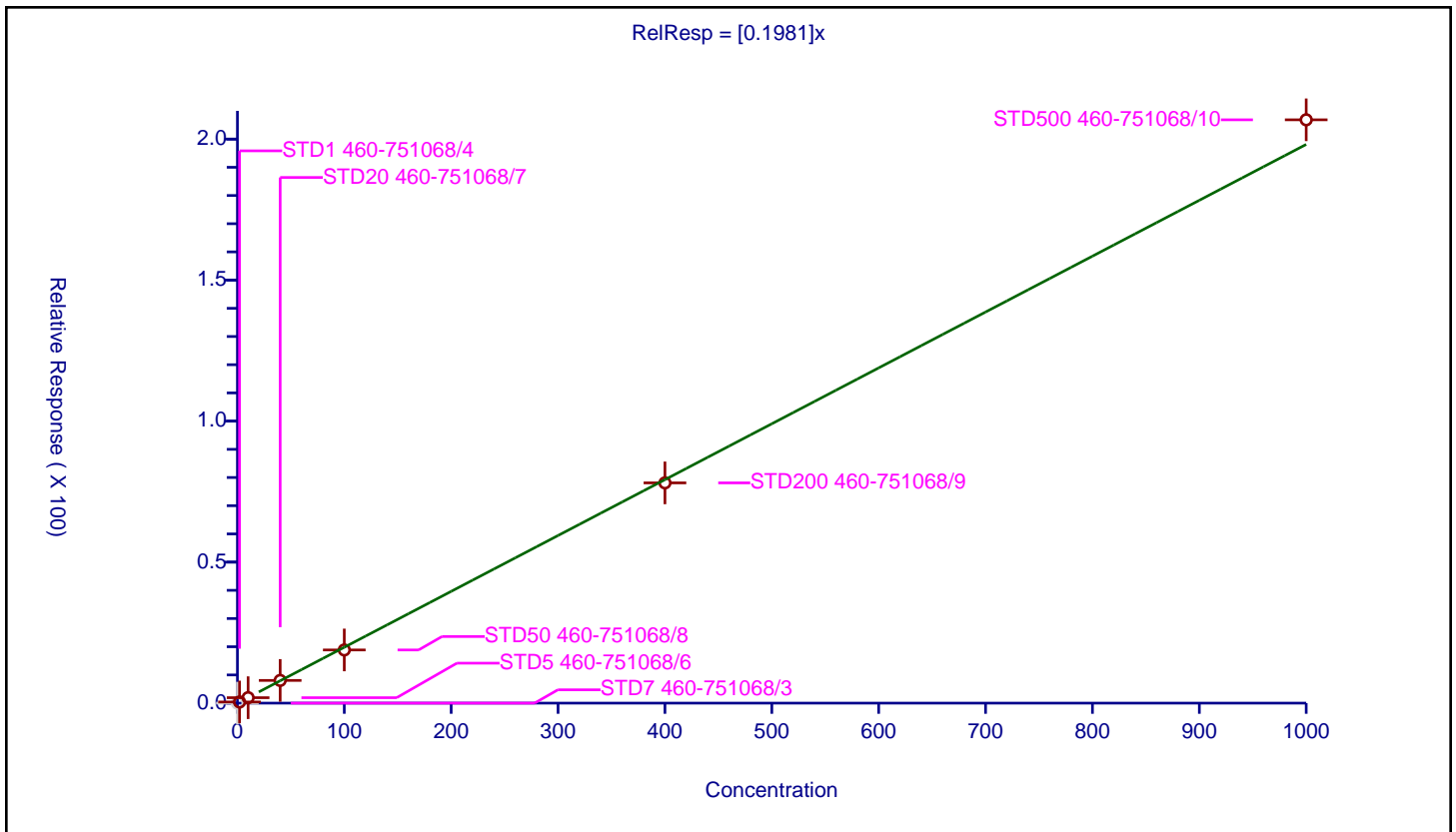
/ Methyl acetate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1981

Error Coefficients	
Standard Error:	1490000
Relative Standard Error:	3.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	2.0	0.406887	50.0	560352.0	0.203444	Y
3	STD5 460-751068/6	10.0	1.934085	50.0	543125.0	0.193409	Y
4	STD20 460-751068/7	40.0	8.047893	50.0	580419.0	0.201197	Y
5	STD50 460-751068/8	100.0	18.851698	50.0	644186.0	0.188517	Y
6	STD200 460-751068/9	400.0	78.099269	50.0	668932.0	0.195248	Y
7	STD500 460-751068/10	1000.0	206.83861	50.0	760330.0	0.206839	Y



**Calibration**

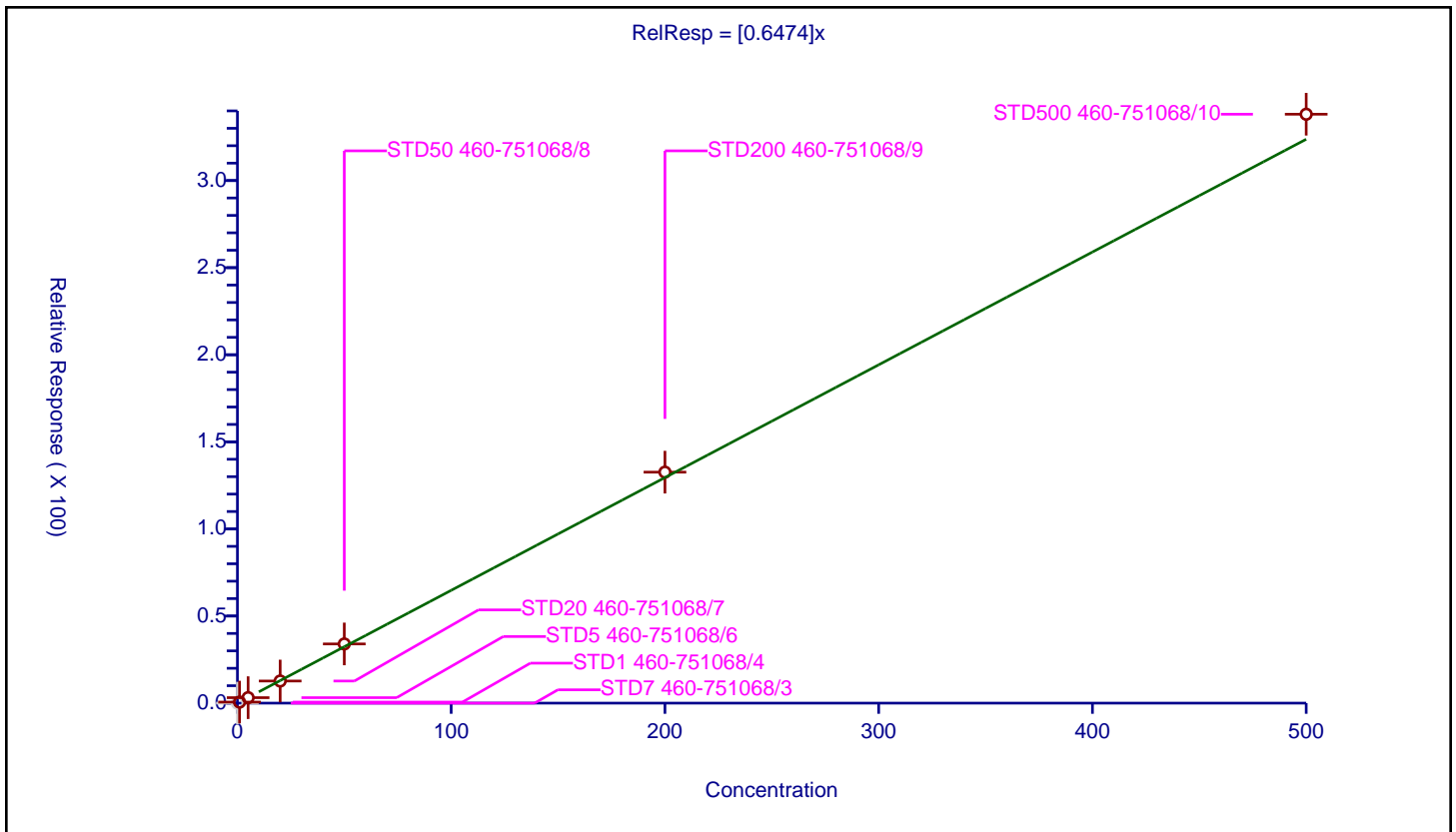
/ Cyclopentene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6474

Error Coefficients	
Standard Error:	2440000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.602122	50.0	560352.0	0.602122	Y
3	STD5 460-751068/6	5.0	3.143843	50.0	543125.0	0.628769	Y
4	STD20 460-751068/7	20.0	12.70048	50.0	580419.0	0.635024	Y
5	STD50 460-751068/8	50.0	33.976057	50.0	644186.0	0.679521	Y
6	STD200 460-751068/9	200.0	132.597633	50.0	668932.0	0.662988	Y
7	STD500 460-751068/10	500.0	338.081096	50.0	760330.0	0.676162	Y



Calibration

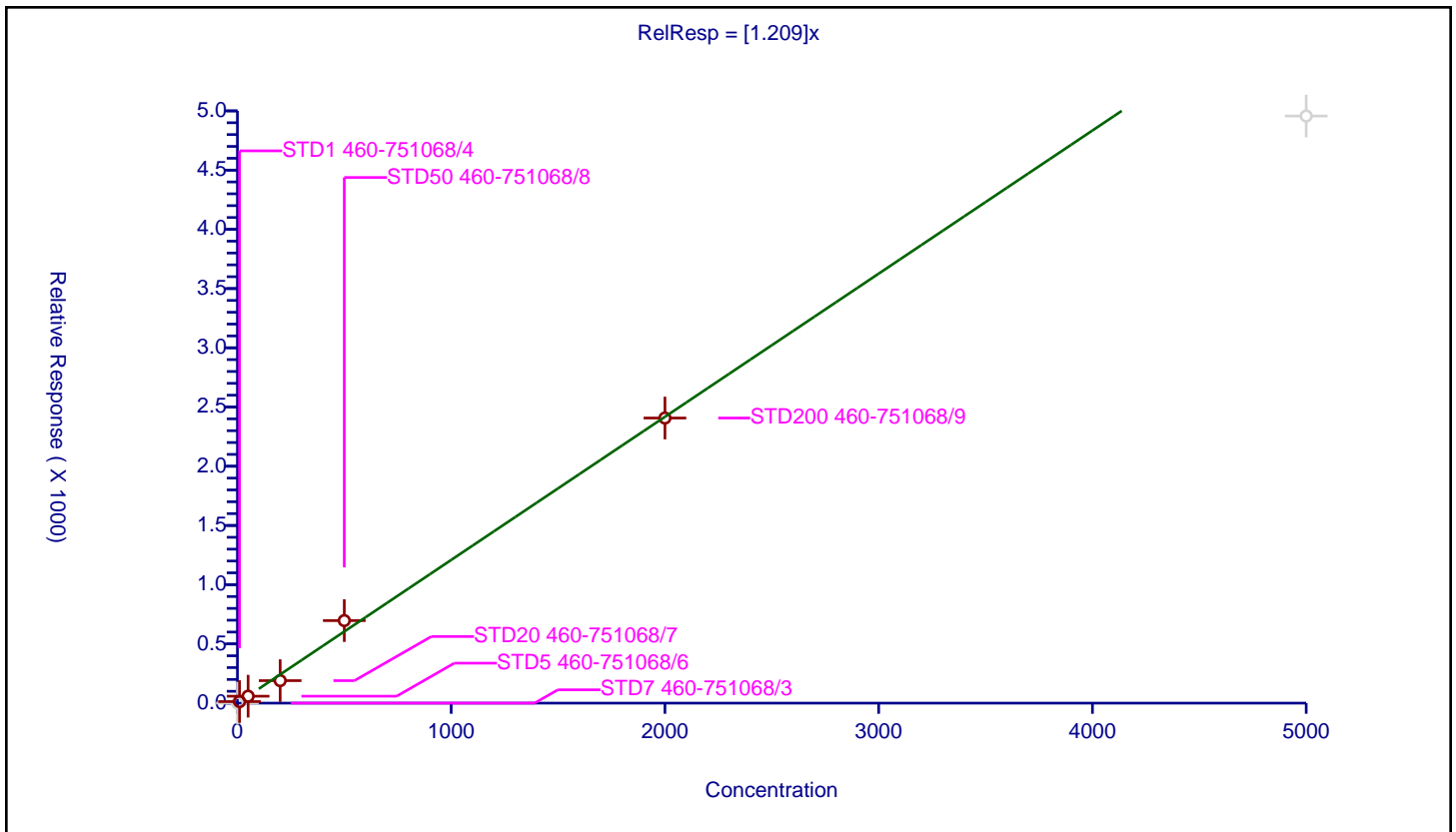
/ Acetonitrile

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:	488000
Relative Standard Error:	14.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	10.0	13.249847	1000.0	327400.0	1.324985	Y
3	STD5 460-751068/6	50.0	58.575084	1000.0	297379.0	1.171502	Y
4	STD20 460-751068/7	200.0	189.915593	1000.0	346654.0	0.949578	Y
5	STD50 460-751068/8	500.0	696.775152	1000.0	350156.0	1.39355	Y
6	STD200 460-751068/9	2000.0	2406.87647	1000.0	392527.0	1.203438	Y
7	STD500 460-751068/10	5000.0	4956.6084	1000.0	366246.0	0.991322	N



**Calibration**

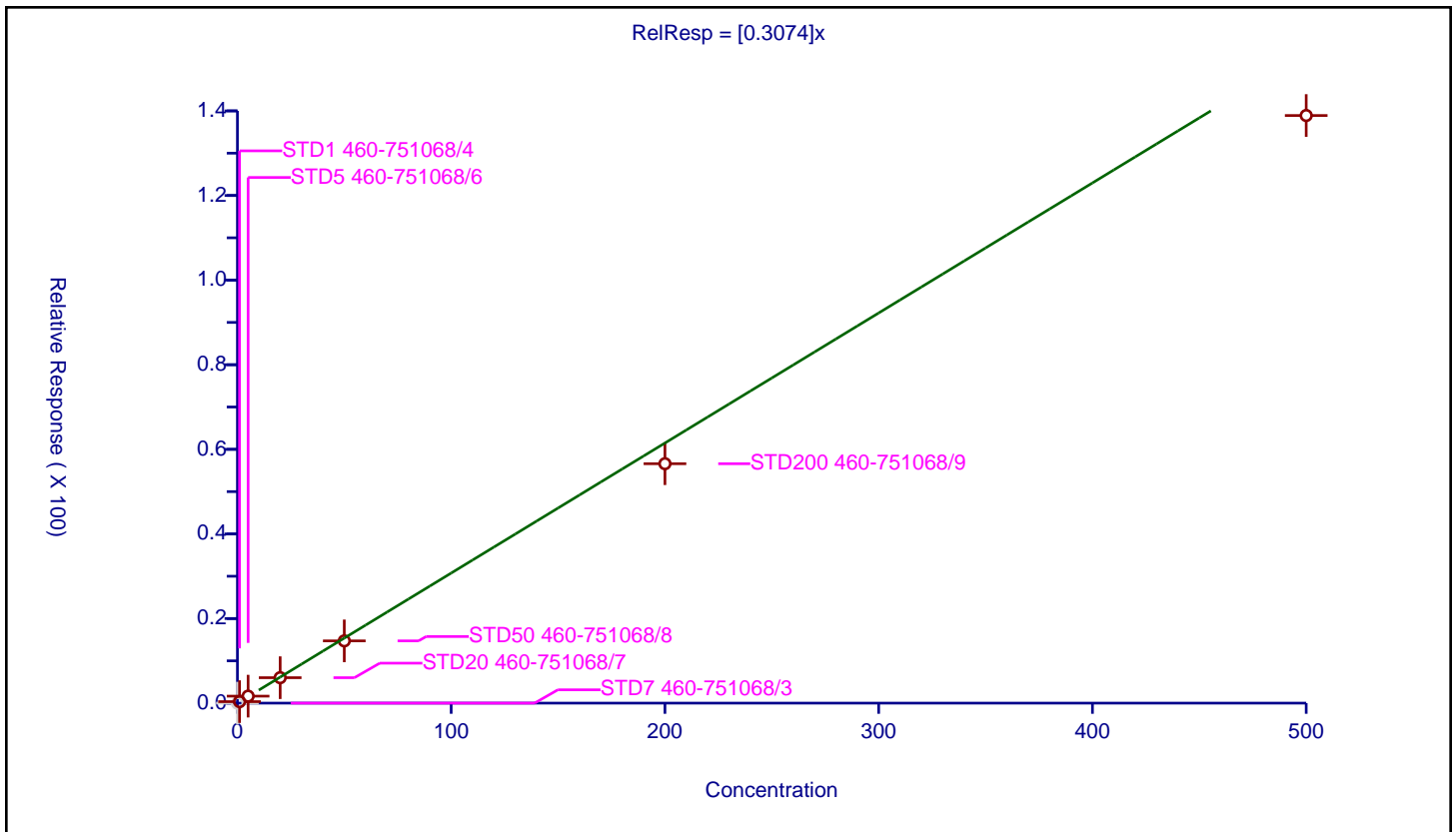
**/ Methylene Chloride**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** ISTD  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	0.3074

Error Coefficients	
Standard Error:	1010000
Relative Standard Error:	10.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.358614	50.0	560352.0	0.358614	Y
3	STD5 460-751068/6	5.0	1.650541	50.0	543125.0	0.330108	Y
4	STD20 460-751068/7	20.0	6.015137	50.0	580419.0	0.300757	Y
5	STD50 460-751068/8	50.0	14.715238	50.0	644186.0	0.294305	Y
6	STD200 460-751068/9	200.0	56.597905	50.0	668932.0	0.28299	Y
7	STD500 460-751068/10	500.0	138.905146	50.0	760330.0	0.27781	Y



Calibration

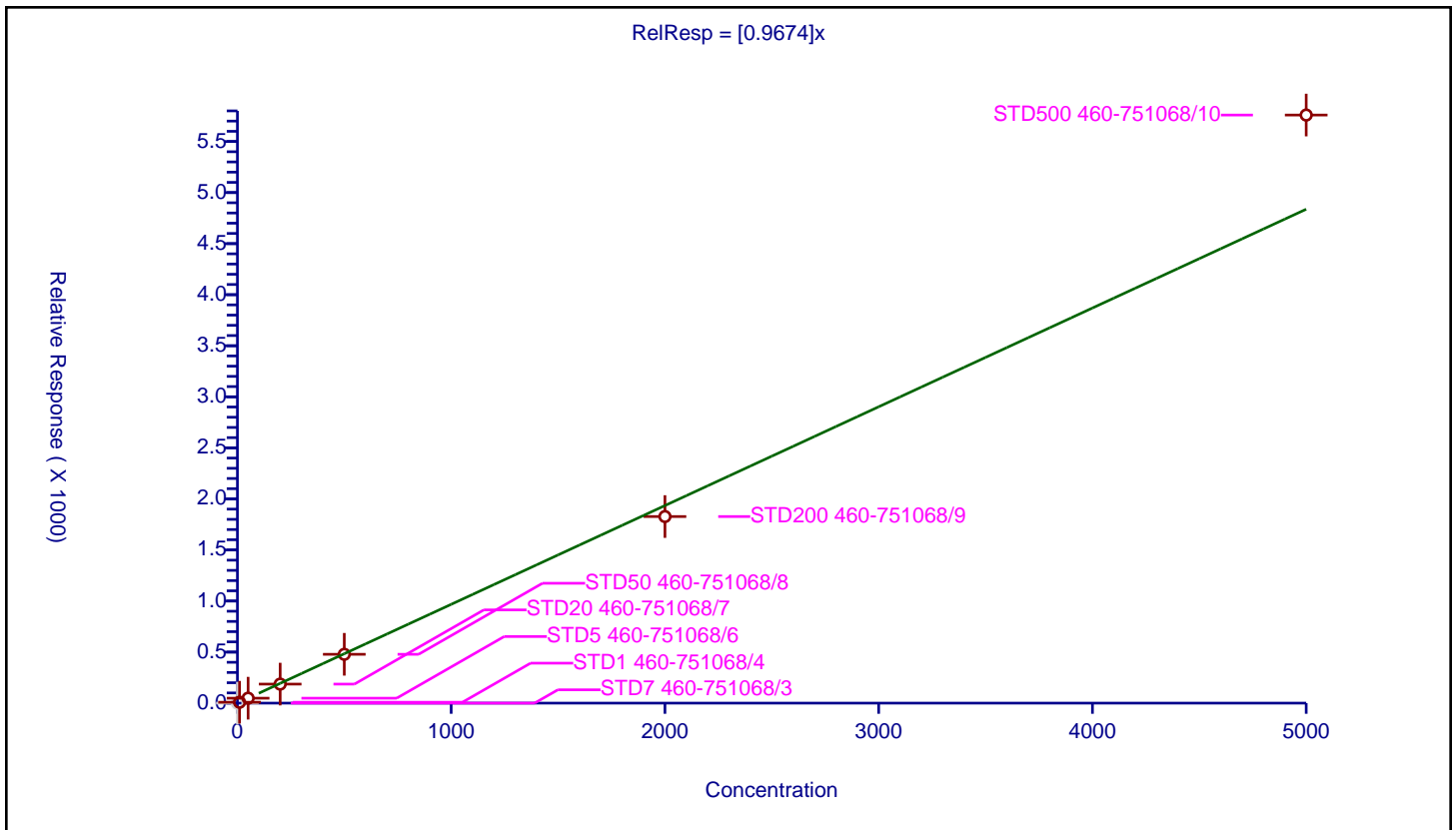
/ 2-Methyl-2-propanol

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9674

Error Coefficients	
Standard Error:	997000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	10.0	8.83934	1000.0	327400.0	0.883934	Y
3	STD5 460-751068/6	50.0	48.345714	1000.0	297379.0	0.966914	Y
4	STD20 460-751068/7	200.0	186.335655	1000.0	346654.0	0.931678	Y
5	STD50 460-751068/8	500.0	478.132604	1000.0	350156.0	0.956265	Y
6	STD200 460-751068/9	2000.0	1827.273028	1000.0	392527.0	0.913637	Y
7	STD500 460-751068/10	5000.0	5759.211022	1000.0	366246.0	1.151842	Y



Calibration

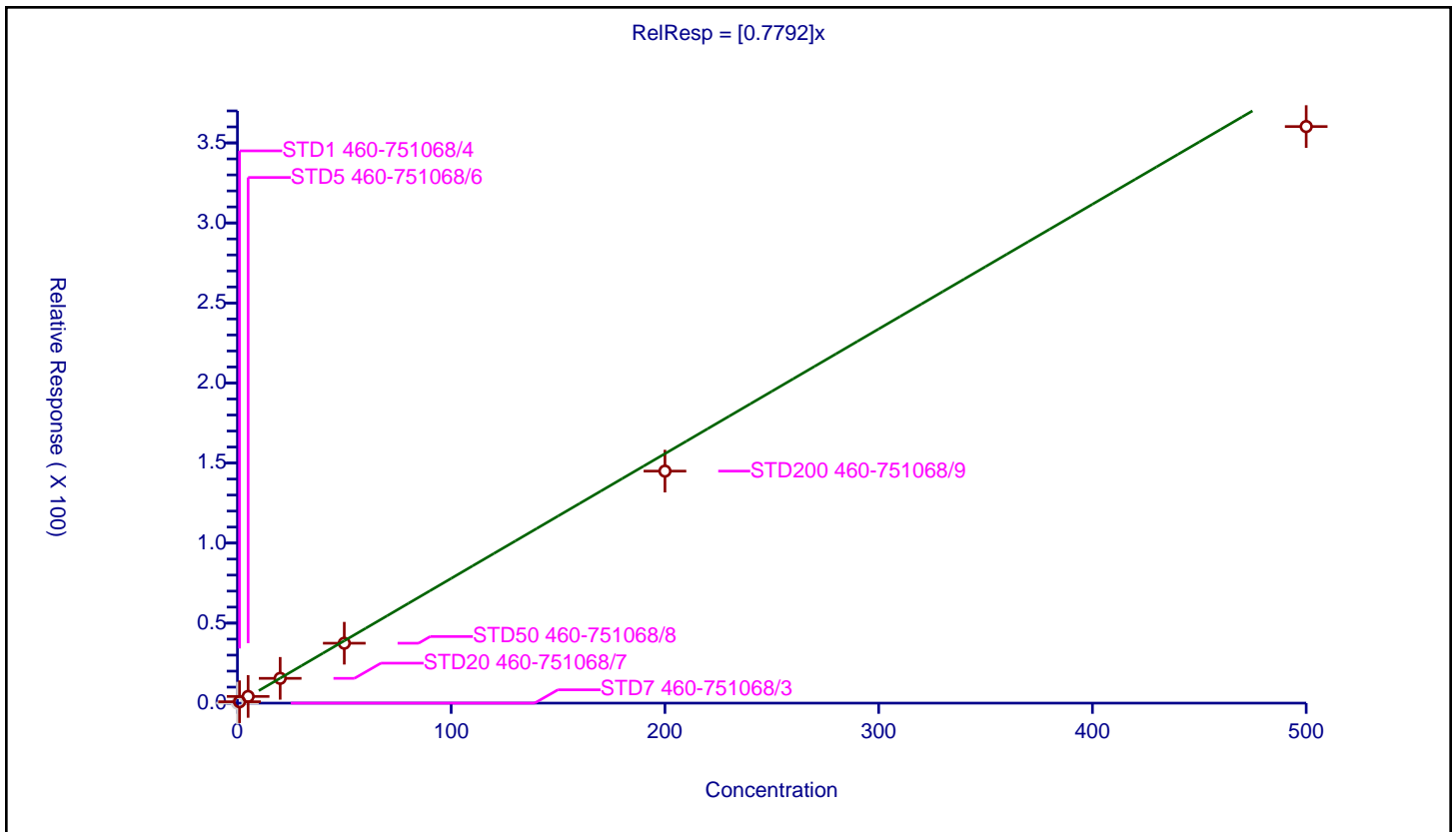
/ Methyl tert-butyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7792

Error Coefficients	
Standard Error:	2610000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.8699	50.0	560352.0	0.8699	Y
3	STD5 460-751068/6	5.0	4.184856	50.0	543125.0	0.836971	Y
4	STD20 460-751068/7	20.0	15.489328	50.0	580419.0	0.774466	Y
5	STD50 460-751068/8	50.0	37.430106	50.0	644186.0	0.748602	Y
6	STD200 460-751068/9	200.0	144.947319	50.0	668932.0	0.724737	Y
7	STD500 460-751068/10	500.0	360.21392	50.0	760330.0	0.720428	Y





Calibration

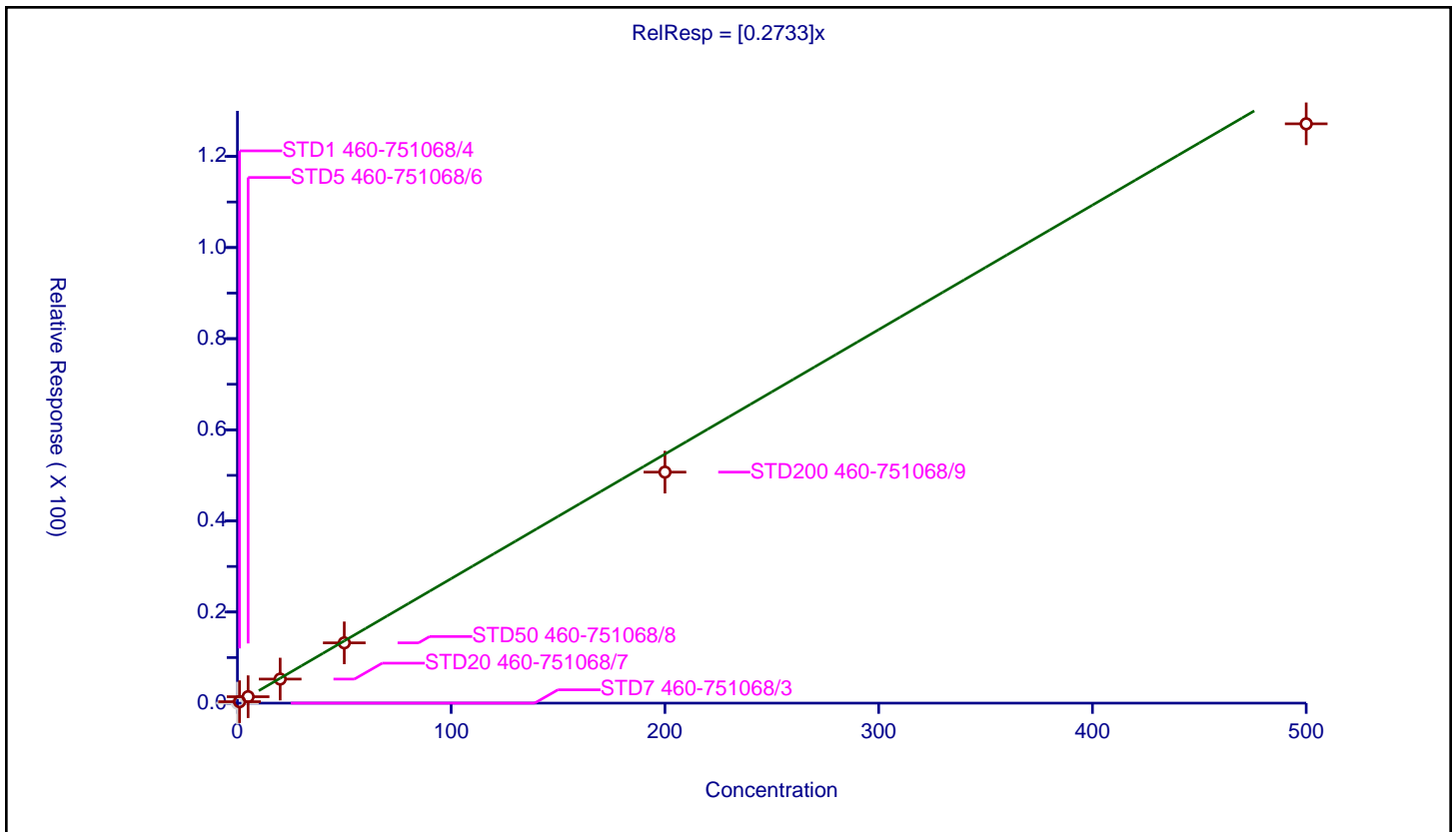
/ trans-1,2-Dichloroethene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2733

Error Coefficients	
Standard Error:	920000
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.320245	50.0	560352.0	0.320245	Y
3	STD5 460-751068/6	5.0	1.414684	50.0	543125.0	0.282937	Y
4	STD20 460-751068/7	20.0	5.281013	50.0	580419.0	0.264051	Y
5	STD50 460-751068/8	50.0	13.230496	50.0	644186.0	0.26461	Y
6	STD200 460-751068/9	200.0	50.708368	50.0	668932.0	0.253542	Y
7	STD500 460-751068/10	500.0	127.163929	50.0	760330.0	0.254328	Y



Calibration

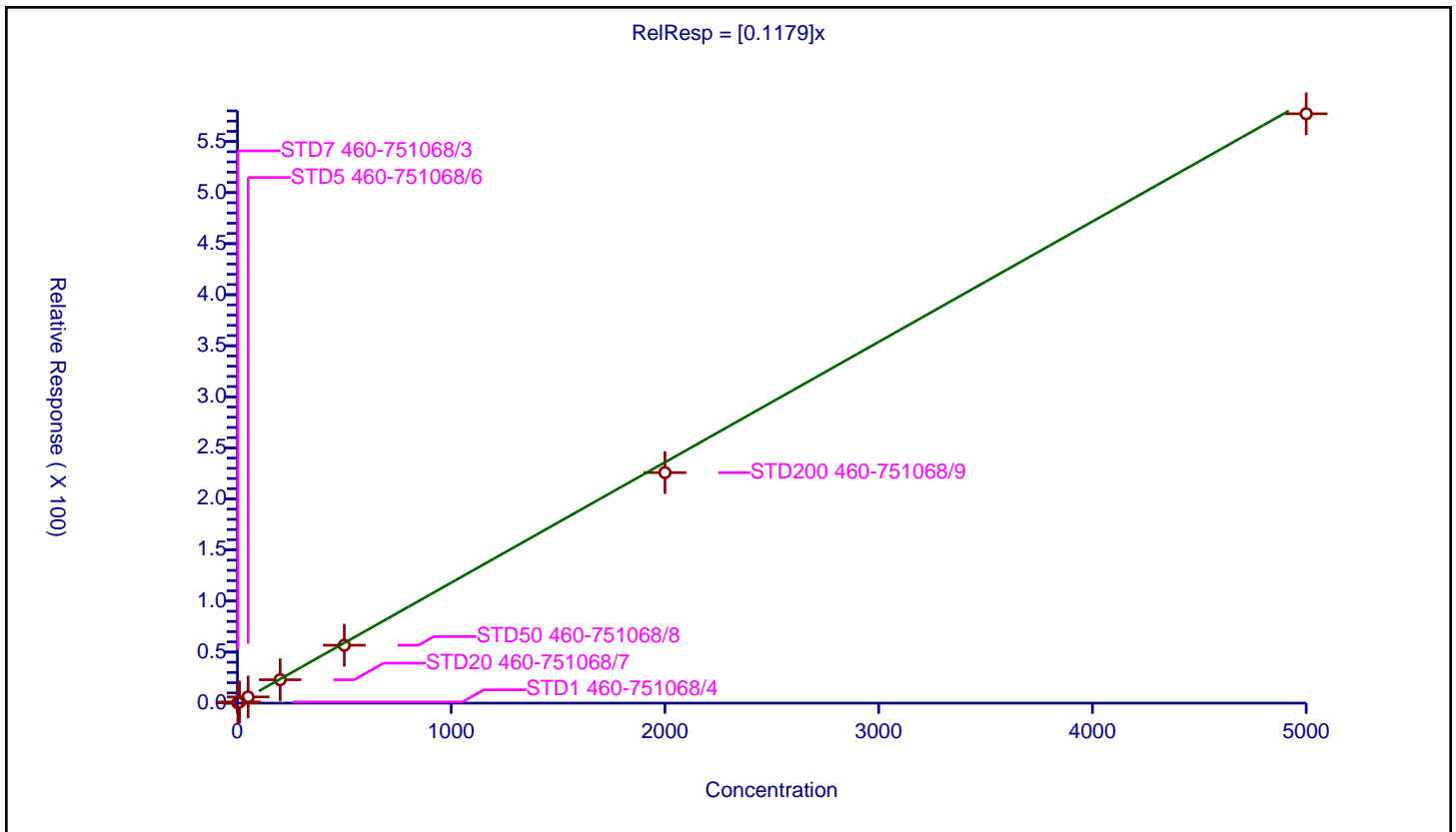
/ Acrylonitrile

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1179

Error Coefficients	
Standard Error:	3800000
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 460-751068/3	2.0	0.263158	50.0	611799.0	0.131579	Y
2	STD1 460-751068/4	10.0	1.162394	50.0	560352.0	0.116239	Y
3	STD5 460-751068/6	50.0	6.062785	50.0	543125.0	0.121256	Y
4	STD20 460-751068/7	200.0	22.922234	50.0	580419.0	0.114611	Y
5	STD50 460-751068/8	500.0	56.71615	50.0	644186.0	0.113432	Y
6	STD200 460-751068/9	2000.0	225.788271	50.0	668932.0	0.112894	Y
7	STD500 460-751068/10	5000.0	577.17833	50.0	760330.0	0.115436	Y



Calibration

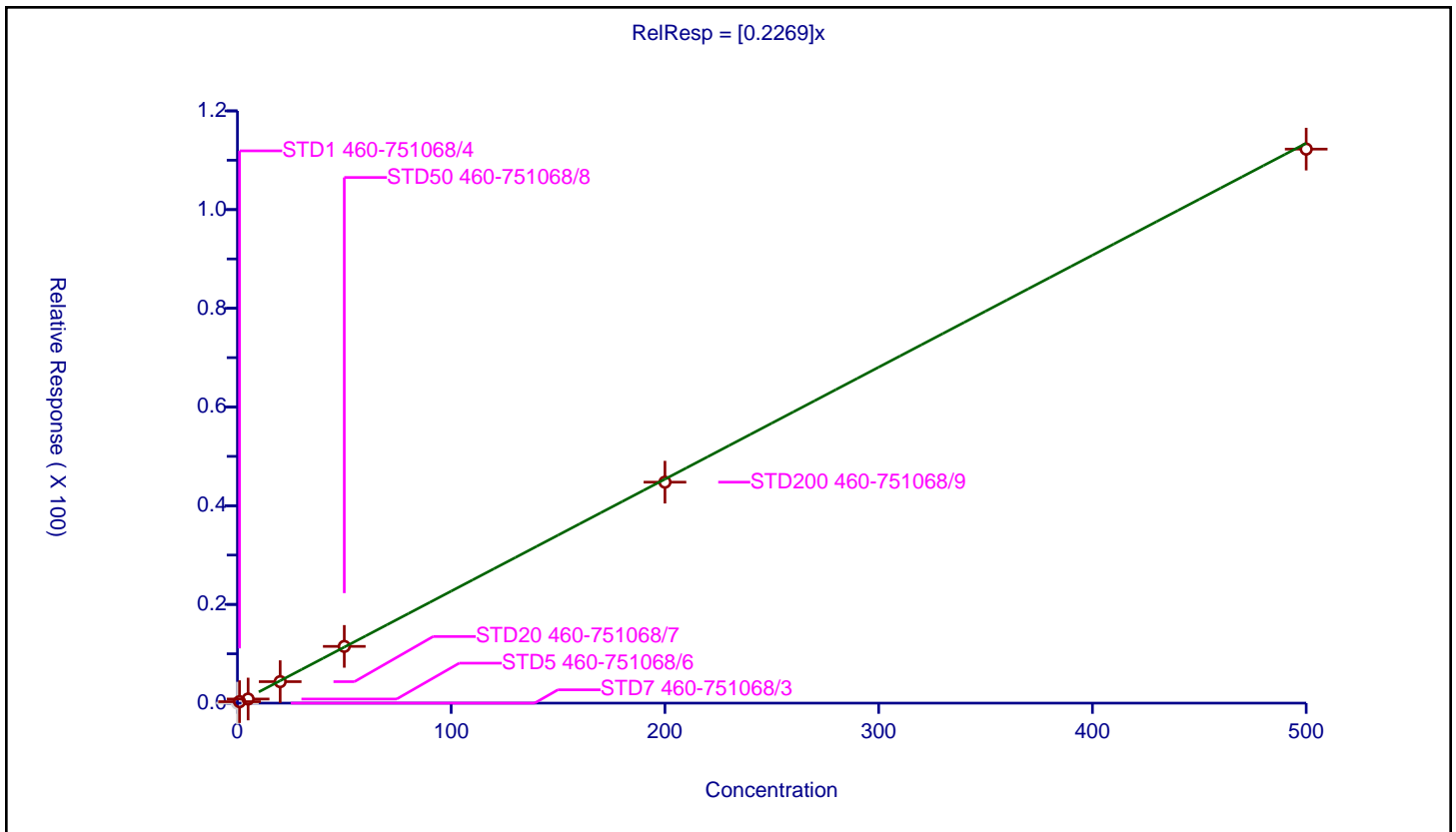
/ Hexane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2269

Error Coefficients	
Standard Error:	812000
Relative Standard Error:	18.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.298652	50.0	560352.0	0.298652	Y
3	STD5 460-751068/6	5.0	0.833602	50.0	543125.0	0.16672	Y
4	STD20 460-751068/7	20.0	4.353924	50.0	580419.0	0.217696	Y
5	STD50 460-751068/8	50.0	11.496447	50.0	644186.0	0.229929	Y
6	STD200 460-751068/9	200.0	44.770619	50.0	668932.0	0.223853	Y
7	STD500 460-751068/10	500.0	112.254021	50.0	760330.0	0.224508	Y



Calibration

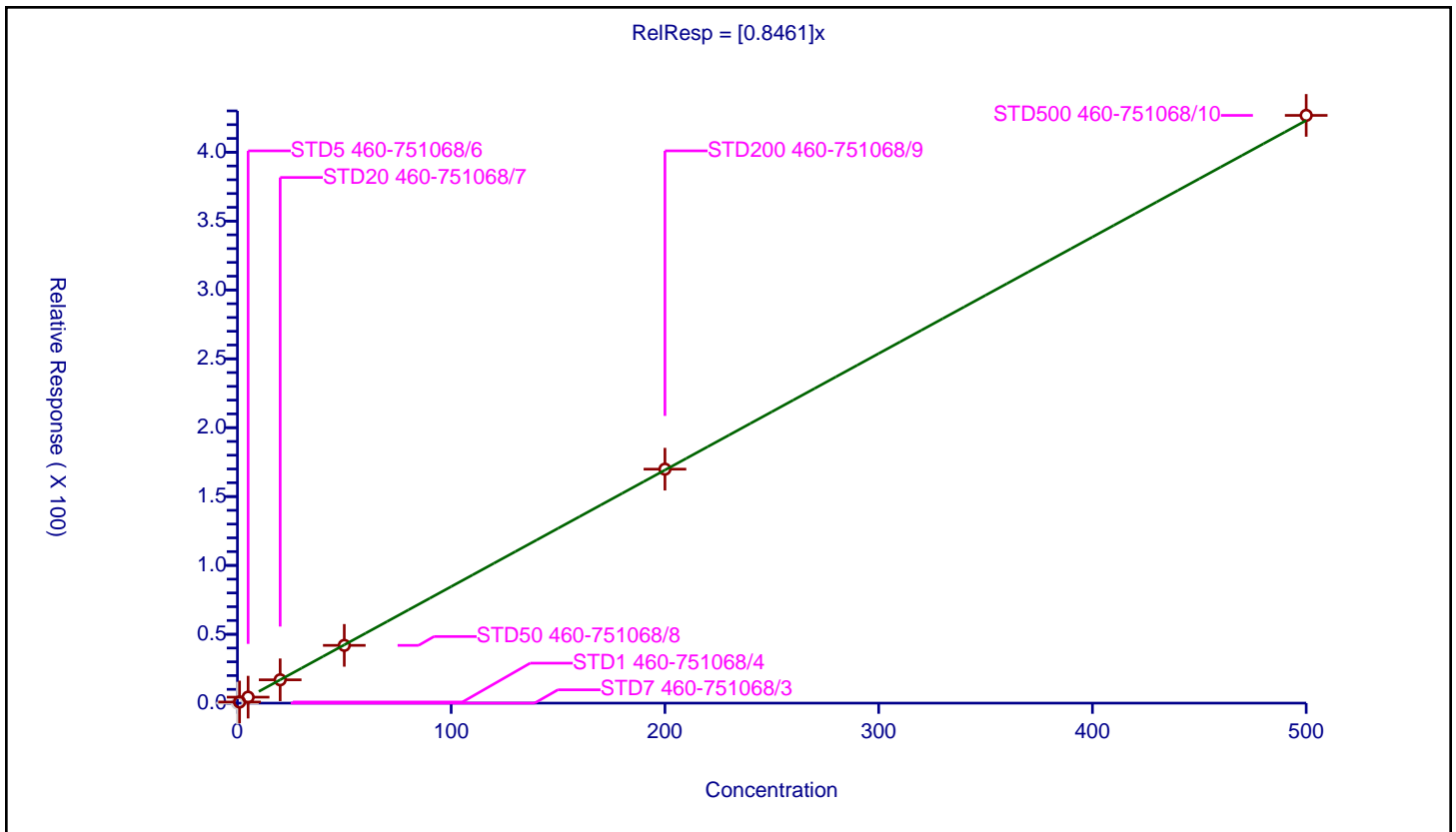
/ Isopropyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8461

Error Coefficients	
Standard Error:	3090000
Relative Standard Error:	2.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.819217	50.0	560352.0	0.819217	Y
3	STD5 460-751068/6	5.0	4.347618	50.0	543125.0	0.869524	Y
4	STD20 460-751068/7	20.0	16.925359	50.0	580419.0	0.846268	Y
5	STD50 460-751068/8	50.0	41.942156	50.0	644186.0	0.838843	Y
6	STD200 460-751068/9	200.0	169.862034	50.0	668932.0	0.84931	Y
7	STD500 460-751068/10	500.0	426.739902	50.0	760330.0	0.85348	Y



Calibration

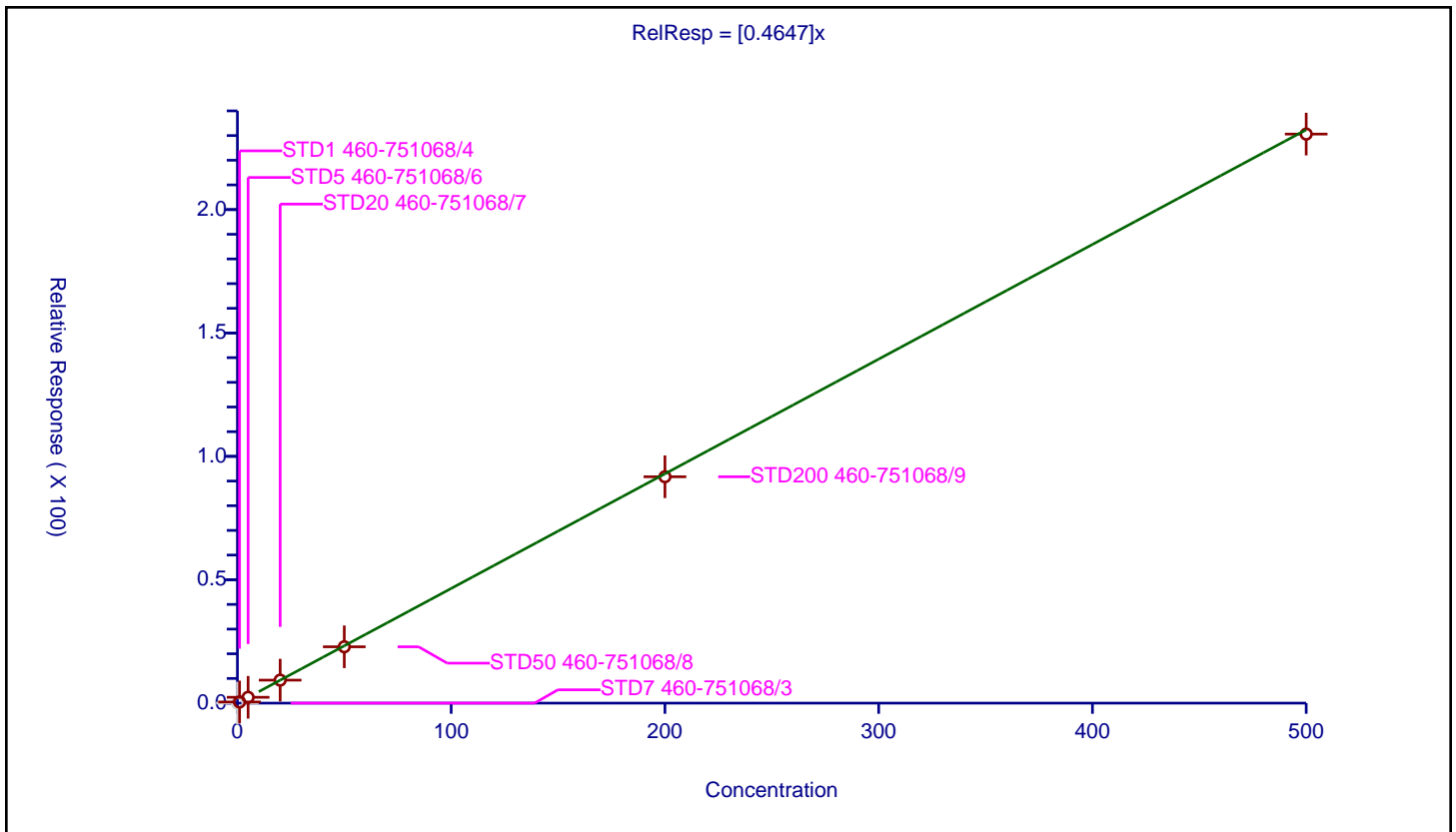
/ 1,1-Dichloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4647

Error Coefficients	
Standard Error:	1670000
Relative Standard Error:	1.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.472025	50.0	560352.0	0.472025	Y
3	STD5 460-751068/6	5.0	2.3687	50.0	543125.0	0.47374	Y
4	STD20 460-751068/7	20.0	9.316201	50.0	580419.0	0.46581	Y
5	STD50 460-751068/8	50.0	22.83502	50.0	644186.0	0.4567	Y
6	STD200 460-751068/9	200.0	91.736081	50.0	668932.0	0.45868	Y
7	STD500 460-751068/10	500.0	230.599411	50.0	760330.0	0.461199	Y



Calibration

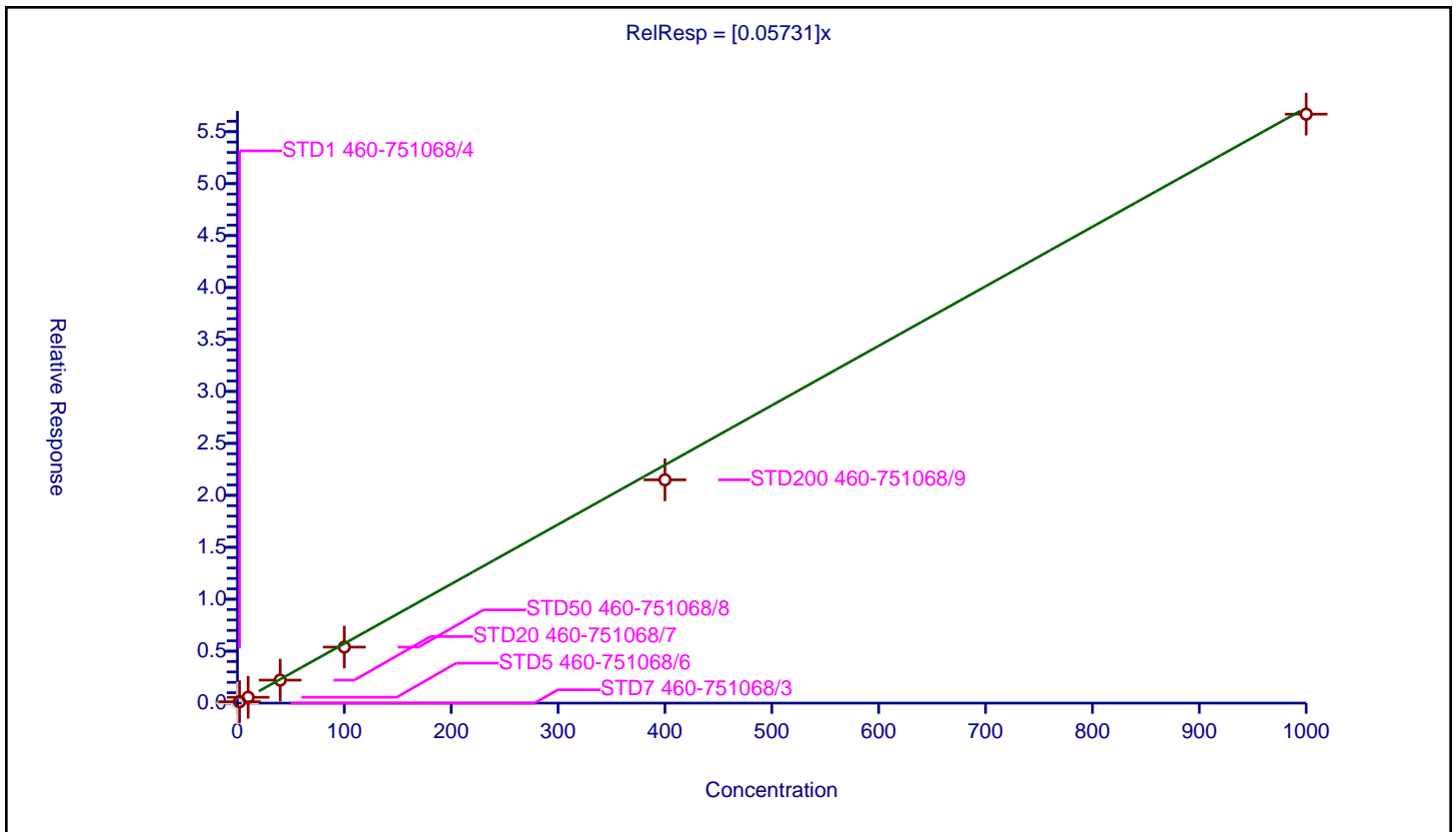
/ Vinyl acetate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.05731

Error Coefficients	
Standard Error:	408000
Relative Standard Error:	9.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	2.0	0.135718	50.0	560352.0	0.067859	Y
3	STD5 460-751068/6	10.0	0.562946	50.0	543125.0	0.056295	Y
4	STD20 460-751068/7	40.0	2.214176	50.0	580419.0	0.055354	Y
5	STD50 460-751068/8	100.0	5.391999	50.0	644186.0	0.05392	Y
6	STD200 460-751068/9	400.0	21.492842	50.0	668932.0	0.053732	Y
7	STD500 460-751068/10	1000.0	56.68828	50.0	760330.0	0.056688	Y



Calibration

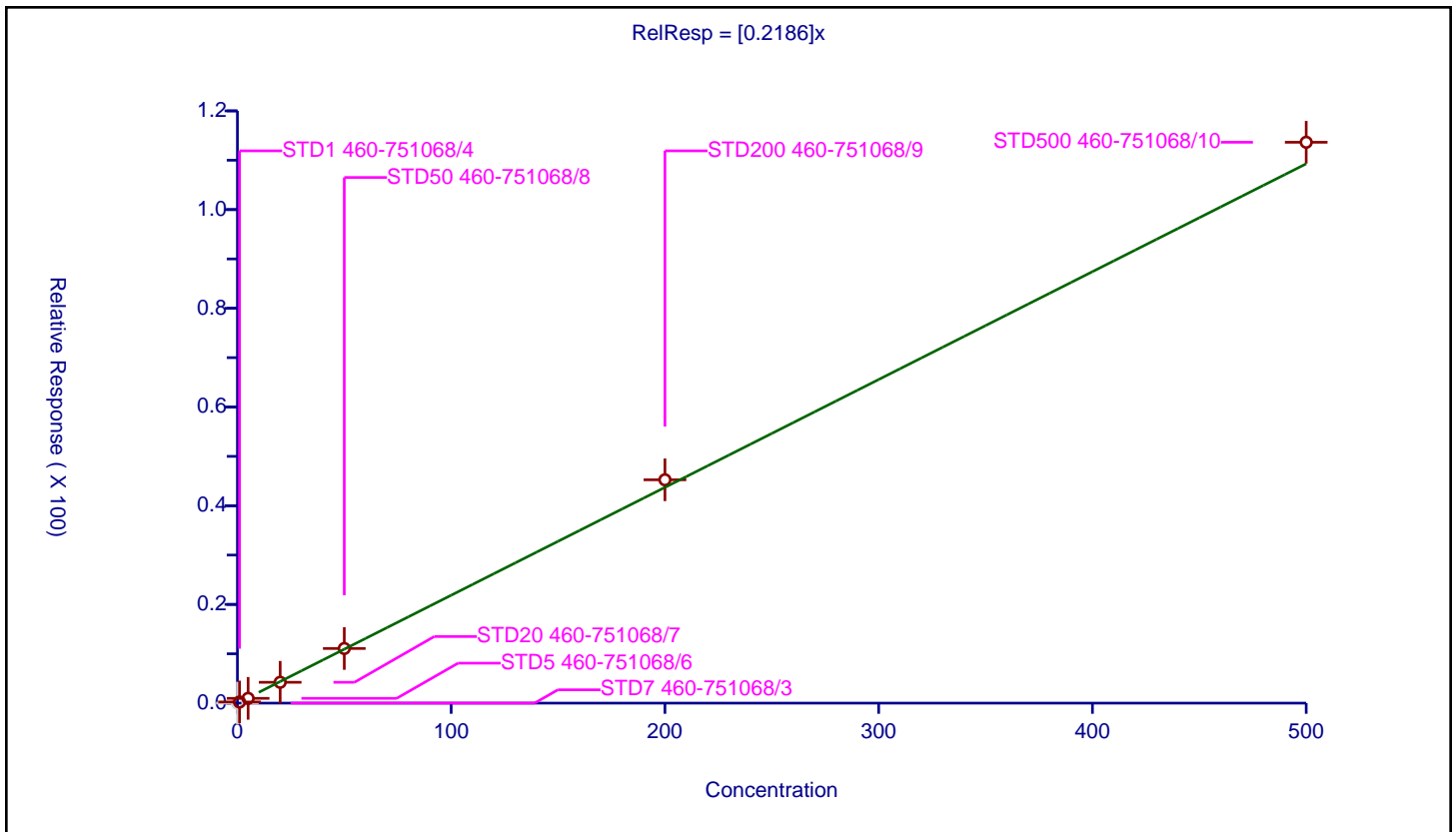
/ 2-Chloro-1,3-butadiene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2186

Error Coefficients	
Standard Error:	822000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.231997	50.0	560352.0	0.231997	Y
3	STD5 460-751068/6	5.0	0.966628	50.0	543125.0	0.193326	Y
4	STD20 460-751068/7	20.0	4.222208	50.0	580419.0	0.21111	Y
5	STD50 460-751068/8	50.0	11.069629	50.0	644186.0	0.221393	Y
6	STD200 460-751068/9	200.0	45.253105	50.0	668932.0	0.226266	Y
7	STD500 460-751068/10	500.0	113.644141	50.0	760330.0	0.227288	Y



Calibration

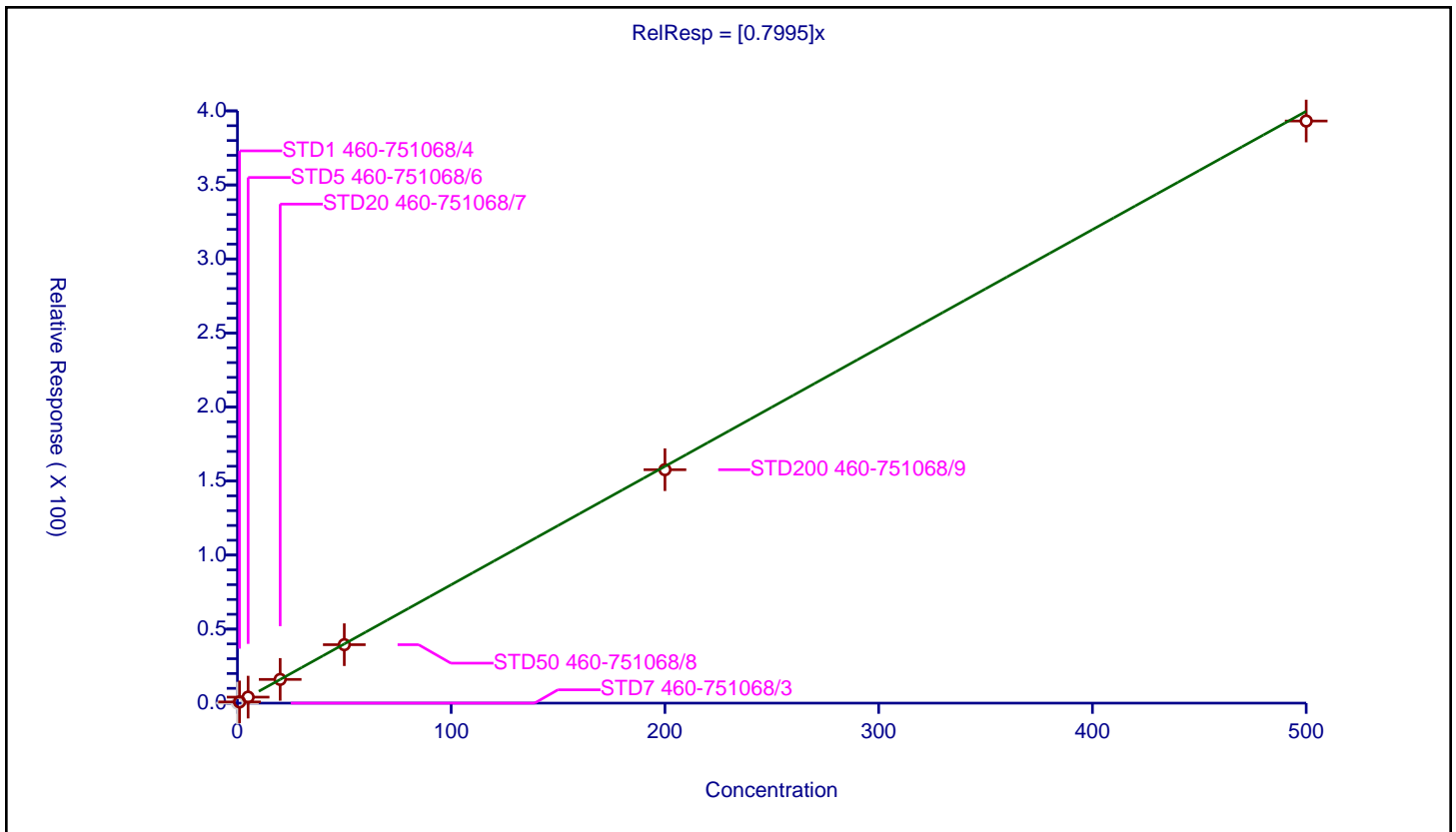
/ Tert-butyl ethyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7995

Error Coefficients	
Standard Error:	2850000
Relative Standard Error:	1.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.819931	50.0	560352.0	0.819931	Y
3	STD5 460-751068/6	5.0	4.059747	50.0	543125.0	0.811949	Y
4	STD20 460-751068/7	20.0	16.023424	50.0	580419.0	0.801171	Y
5	STD50 460-751068/8	50.0	39.469268	50.0	644186.0	0.789385	Y
6	STD200 460-751068/9	200.0	157.658626	50.0	668932.0	0.788293	Y
7	STD500 460-751068/10	500.0	393.168756	50.0	760330.0	0.786338	Y





Calibration

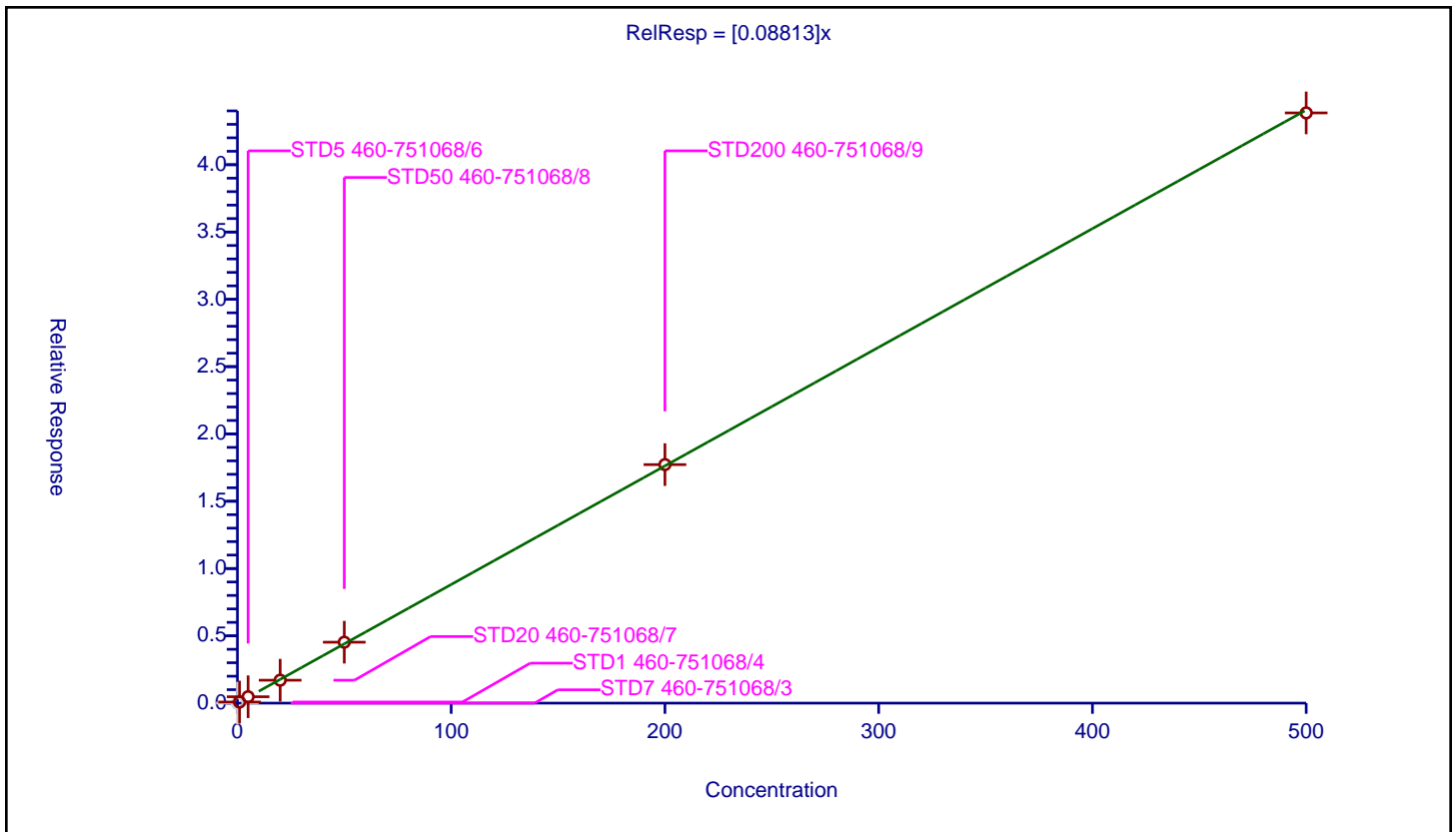
/ 2,2-Dichloropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.08813

Error Coefficients	
Standard Error:	318000
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 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.08218	50.0	560352.0	0.08218	Y
3	STD5 460-751068/6	5.0	0.473003	50.0	543125.0	0.094601	Y
4	STD20 460-751068/7	20.0	1.70308	50.0	580419.0	0.085154	Y
5	STD50 460-751068/8	50.0	4.526643	50.0	644186.0	0.090533	Y
6	STD200 460-751068/9	200.0	17.721308	50.0	668932.0	0.088607	Y
7	STD500 460-751068/10	500.0	43.85017	50.0	760330.0	0.0877	Y



Calibration

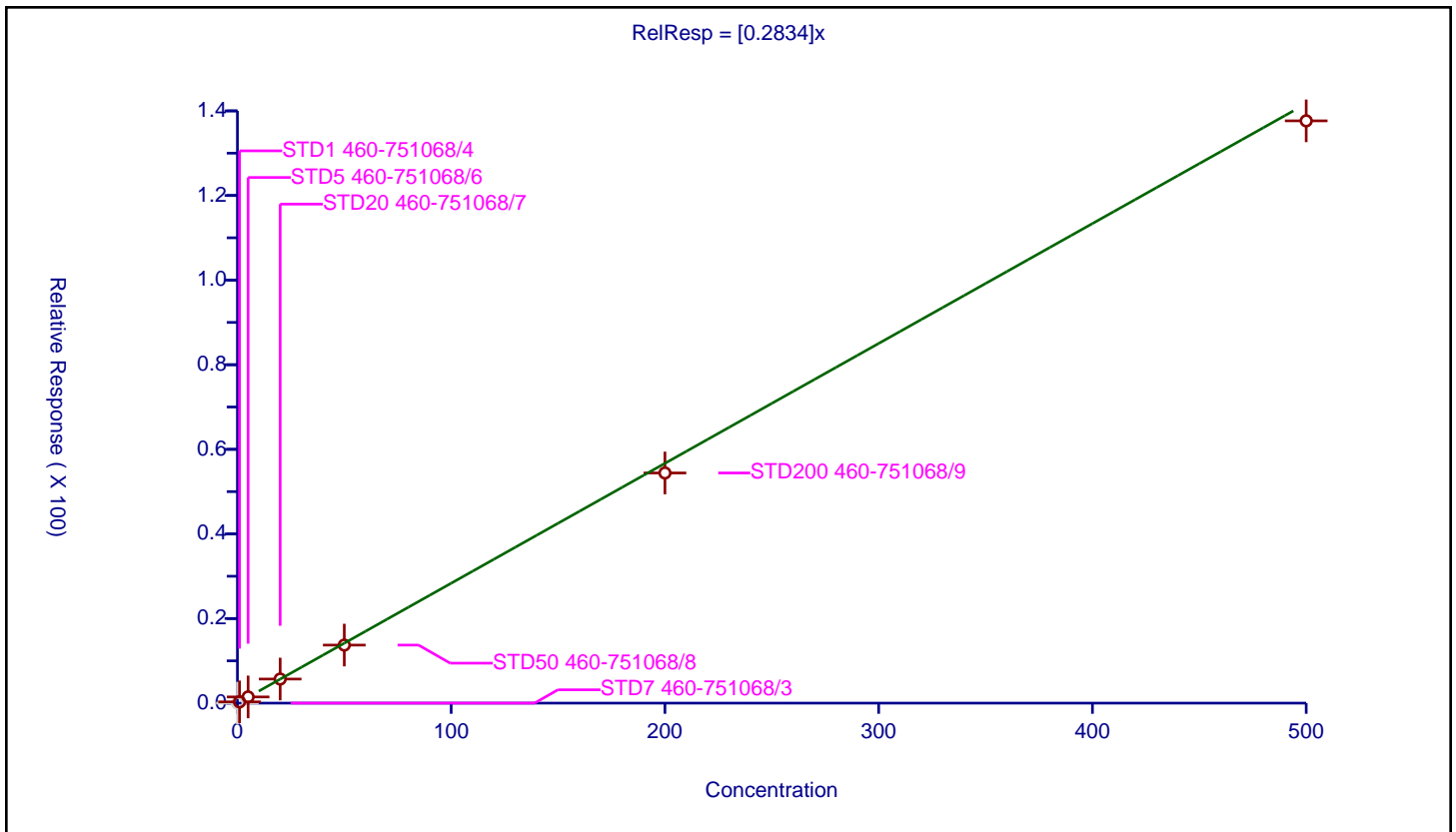
/ cis-1,2-Dichloroethene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2834

Error Coefficients	
Standard Error:	995000
Relative Standard Error:	4.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.301418	50.0	560352.0	0.301418	Y
3	STD5 460-751068/6	5.0	1.462371	50.0	543125.0	0.292474	Y
4	STD20 460-751068/7	20.0	5.69735	50.0	580419.0	0.284867	Y
5	STD50 460-751068/8	50.0	13.721968	50.0	644186.0	0.274439	Y
6	STD200 460-751068/9	200.0	54.405156	50.0	668932.0	0.272026	Y
7	STD500 460-751068/10	500.0	137.645693	50.0	760330.0	0.275291	Y



**Calibration**

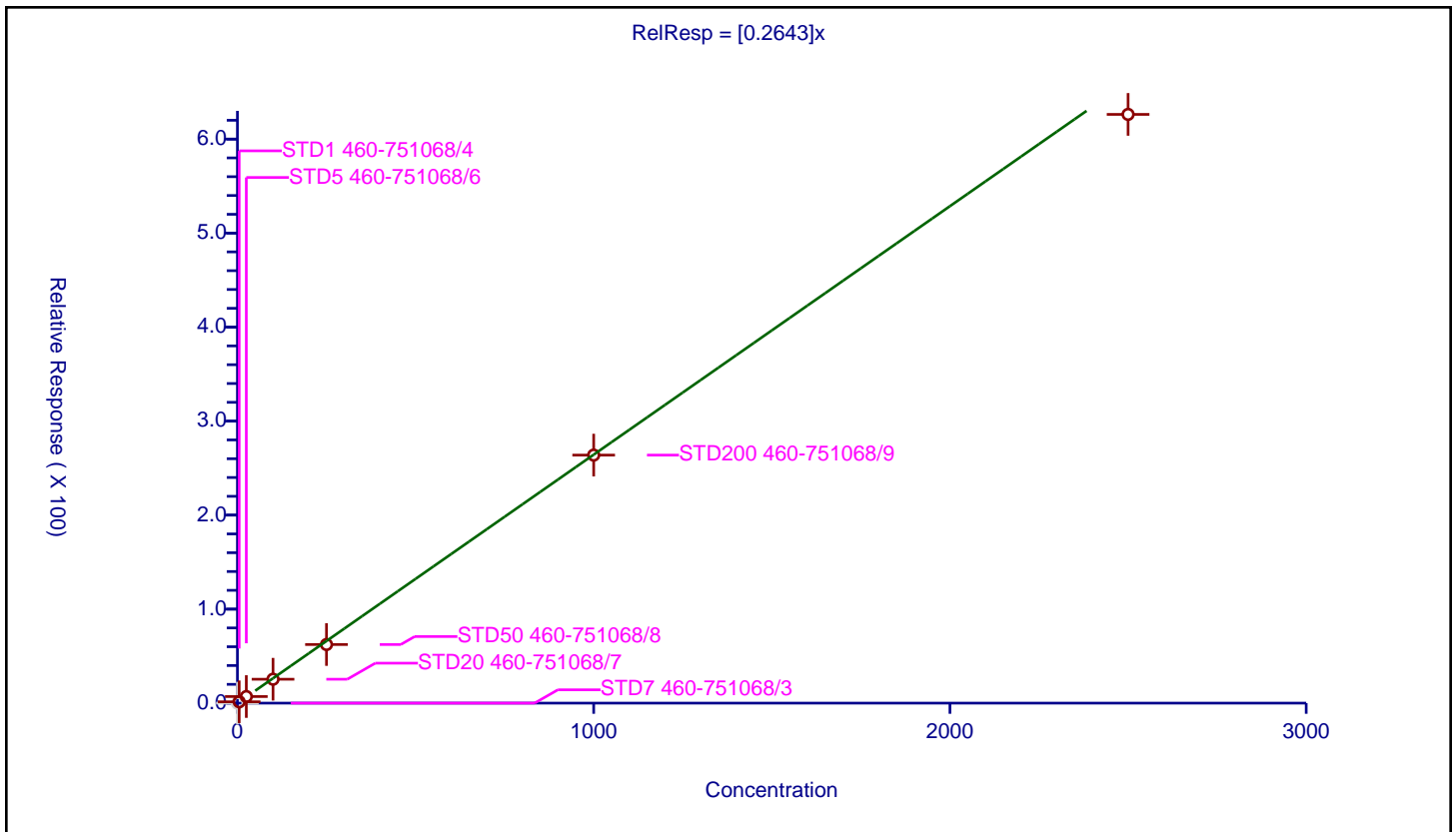
**/ 2-Butanone (MEK)**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2643

Error Coefficients	
Standard Error:	601000
Relative Standard Error:	6.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	250.0	356267.0	NaN	N
2	STD1 460-751068/4	5.0	1.434459	250.0	327824.0	0.286892	Y
3	STD5 460-751068/6	25.0	7.023303	250.0	324598.0	0.280932	Y
4	STD20 460-751068/7	100.0	25.441592	250.0	333509.0	0.254416	Y
5	STD50 460-751068/8	250.0	62.334264	250.0	388041.0	0.249337	Y
6	STD200 460-751068/9	1000.0	263.853301	250.0	414071.0	0.263853	Y
7	STD500 460-751068/10	2500.0	626.263755	250.0	505537.0	0.250506	Y



**Calibration**

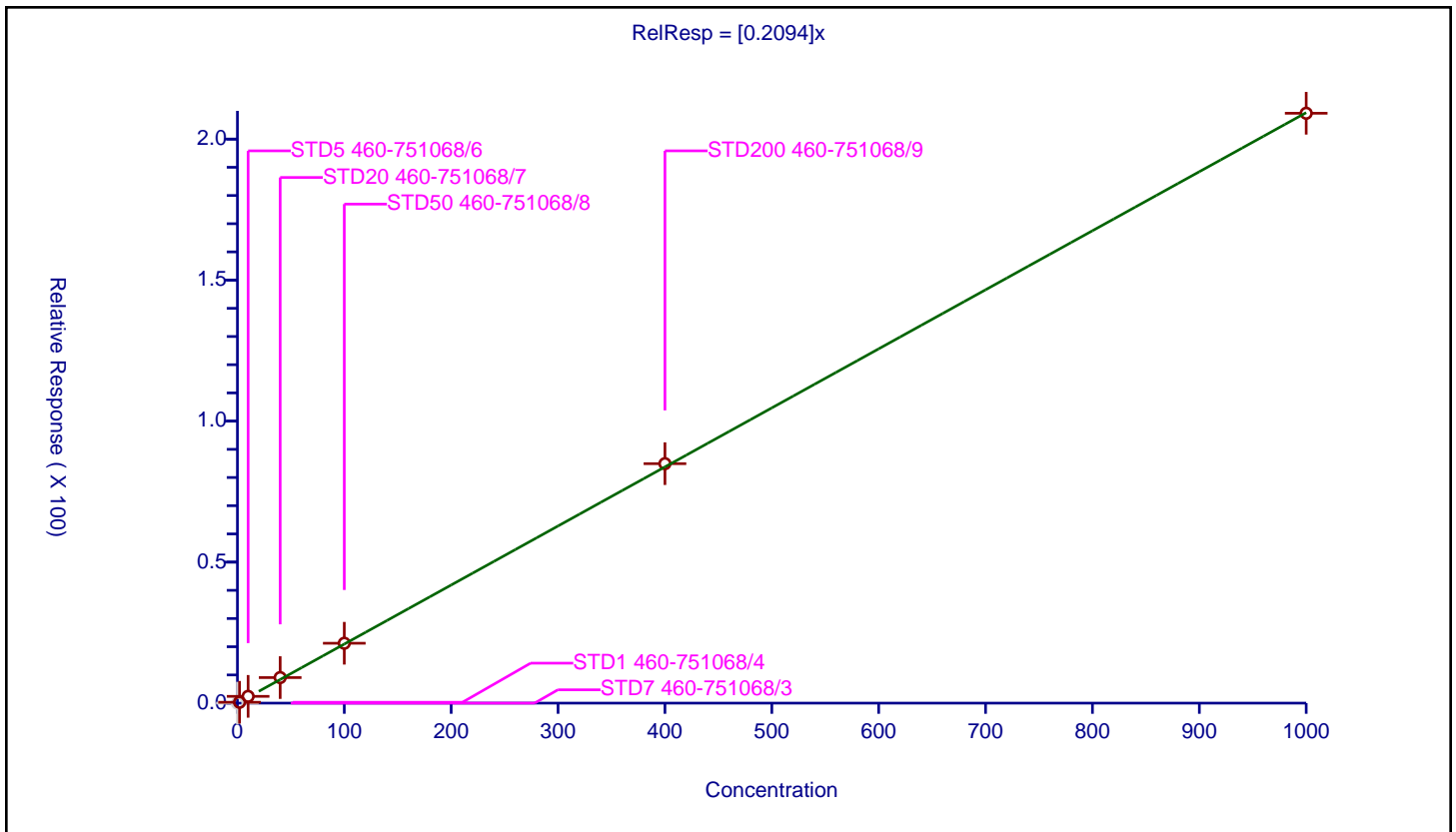
/ Ethyl acetate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2094

Error Coefficients	
Standard Error:	200000
Relative Standard Error:	13.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	250.0	356267.0	NaN	N
2	STD1 460-751068/4	2.0	0.31038	250.0	327824.0	0.15519	Y
3	STD5 460-751068/6	10.0	2.407593	250.0	324598.0	0.240759	Y
4	STD20 460-751068/7	40.0	9.061225	250.0	333509.0	0.226531	Y
5	STD50 460-751068/8	100.0	21.23487	250.0	388041.0	0.212349	Y
6	STD200 460-751068/9	400.0	84.910559	250.0	414071.0	0.212276	Y
7	STD500 460-751068/10	1000.0	209.160259	250.0	505537.0	0.20916	Y



**Calibration**

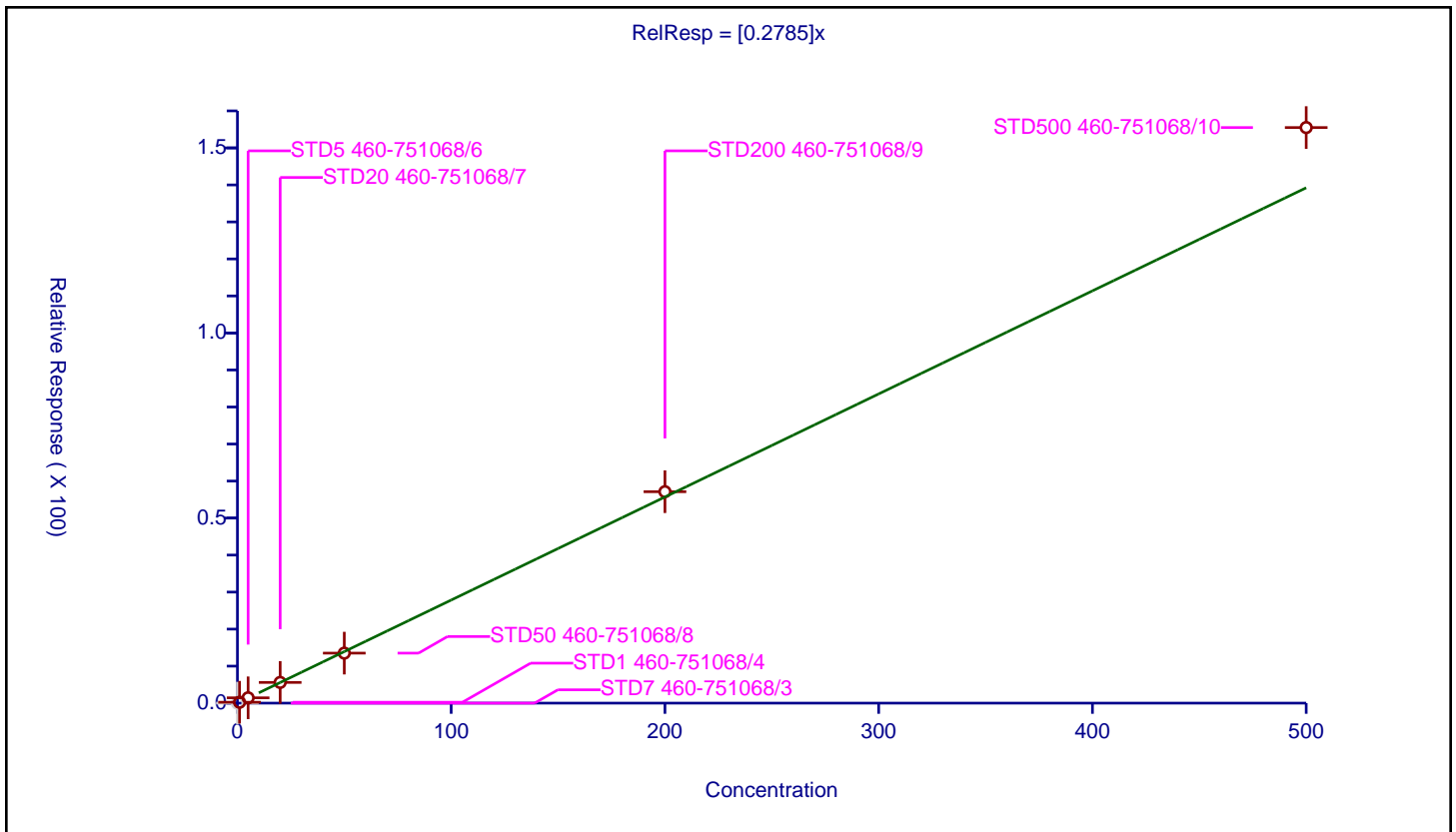
/ Methyl acrylate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2785

Error Coefficients	
Standard Error:	824000
Relative Standard Error:	8.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.237543	50.0	406242.0	0.237543	Y
3	STD5 460-751068/6	5.0	1.433798	50.0	402602.0	0.28676	Y
4	STD20 460-751068/7	20.0	5.591523	50.0	409316.0	0.279576	Y
5	STD50 460-751068/8	50.0	13.51291	50.0	472500.0	0.270258	Y
6	STD200 460-751068/9	200.0	57.118465	50.0	504561.0	0.285592	Y
7	STD500 460-751068/10	500.0	155.493475	50.0	561366.0	0.310987	Y



Calibration

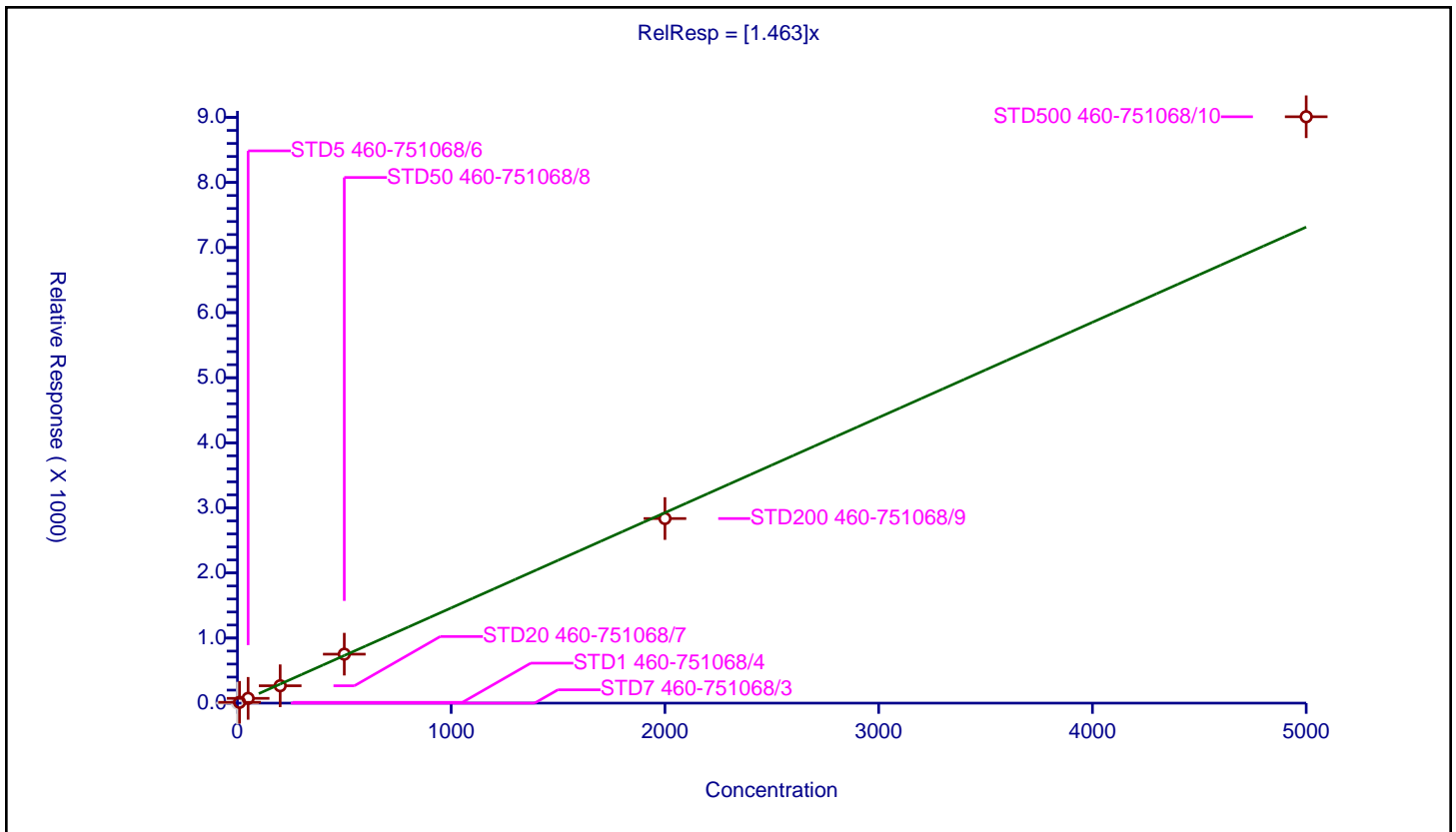
/ Propionitrile

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.463

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	13.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	10.0	12.501527	1000.0	327400.0	1.250153	Y
3	STD5 460-751068/6	50.0	73.340754	1000.0	297379.0	1.466815	Y
4	STD20 460-751068/7	200.0	267.217456	1000.0	346654.0	1.336087	Y
5	STD50 460-751068/8	500.0	752.196164	1000.0	350156.0	1.504392	Y
6	STD200 460-751068/9	2000.0	2836.375587	1000.0	392527.0	1.418188	Y
7	STD500 460-751068/10	5000.0	9010.028778	1000.0	366246.0	1.802006	Y



Calibration

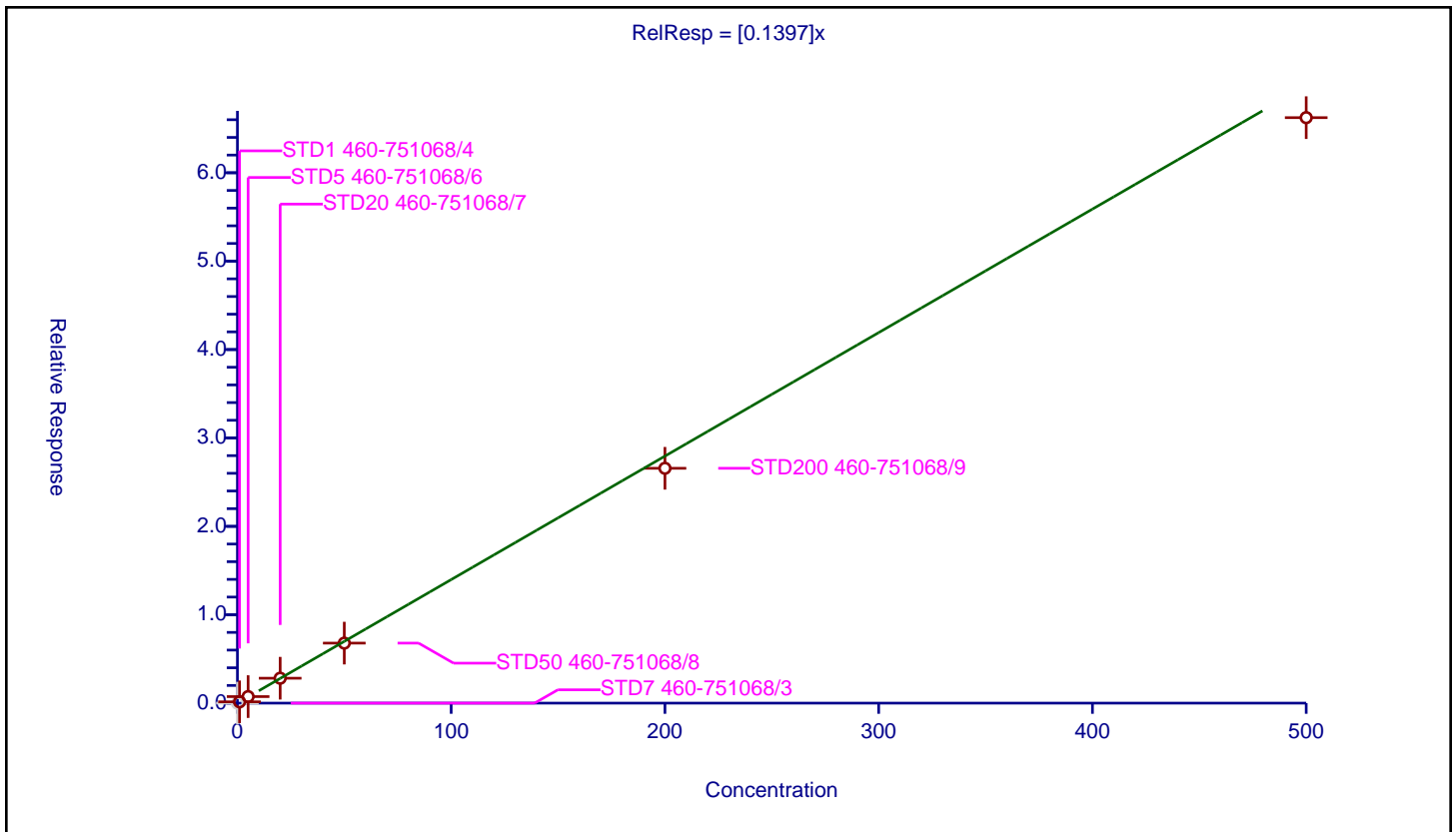
/ Chlorobromomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1397

Error Coefficients	
Standard Error:	479000
Relative Standard Error:	5.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.148121	50.0	560352.0	0.148121	Y
3	STD5 460-751068/6	5.0	0.740898	50.0	543125.0	0.14818	Y
4	STD20 460-751068/7	20.0	2.818912	50.0	580419.0	0.140946	Y
5	STD50 460-751068/8	50.0	6.789111	50.0	644186.0	0.135782	Y
6	STD200 460-751068/9	200.0	26.568396	50.0	668932.0	0.132842	Y
7	STD500 460-751068/10	500.0	66.235516	50.0	760330.0	0.132471	Y



Calibration

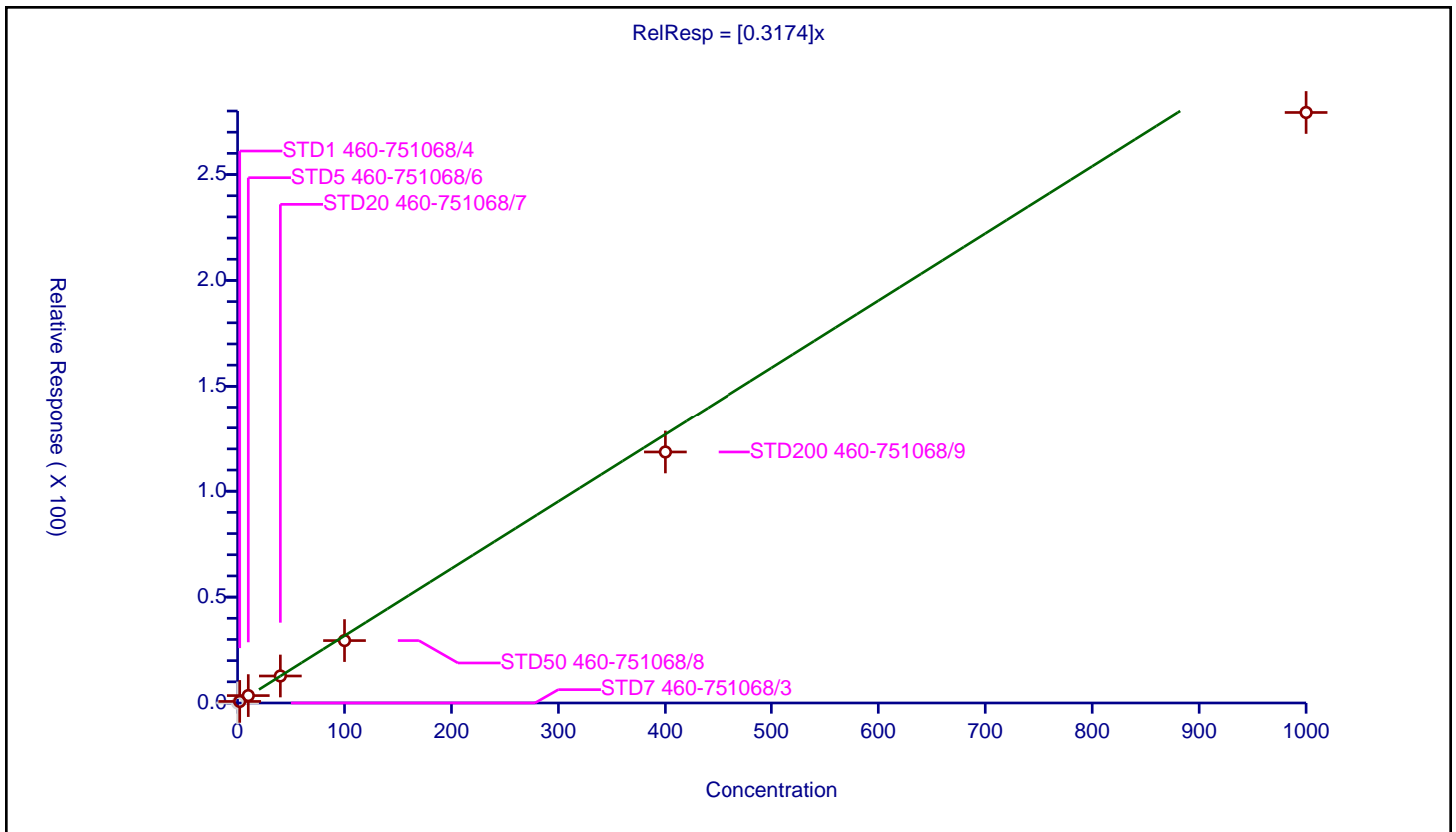
/ Tetrahydrofuran

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3174

Error Coefficients	
Standard Error:	268000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	250.0	356267.0	NaN	N
2	STD1 460-751068/4	2.0	0.731338	250.0	327824.0	0.365669	Y
3	STD5 460-751068/6	10.0	3.492782	250.0	324598.0	0.349278	Y
4	STD20 460-751068/7	40.0	12.753029	250.0	333509.0	0.318826	Y
5	STD50 460-751068/8	100.0	29.475622	250.0	388041.0	0.294756	Y
6	STD200 460-751068/9	400.0	118.531604	250.0	414071.0	0.296329	Y
7	STD500 460-751068/10	1000.0	279.313384	250.0	505537.0	0.279313	Y





**Calibration**

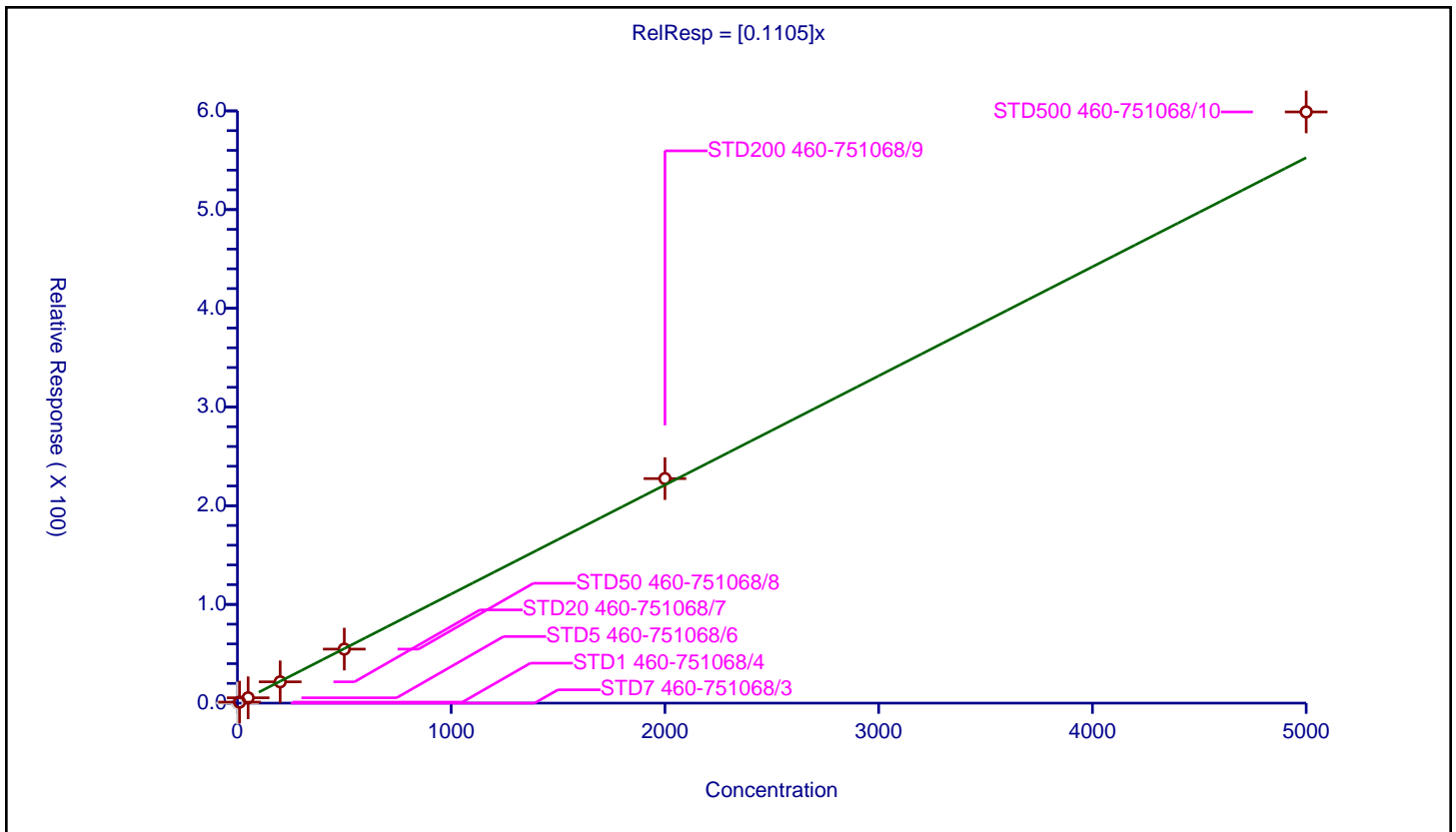
**/ Methacrylonitrile**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1105

Error Coefficients	
Standard Error:	4310000
Relative Standard Error:	5.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	10.0	1.041756	50.0	560352.0	0.104176	Y
3	STD5 460-751068/6	50.0	5.403913	50.0	543125.0	0.108078	Y
4	STD20 460-751068/7	200.0	21.569418	50.0	580419.0	0.107847	Y
5	STD50 460-751068/8	500.0	54.733648	50.0	644186.0	0.109467	Y
6	STD200 460-751068/9	2000.0	227.486501	50.0	668932.0	0.113743	Y
7	STD500 460-751068/10	5000.0	598.947102	50.0	760330.0	0.119789	Y



**Calibration**

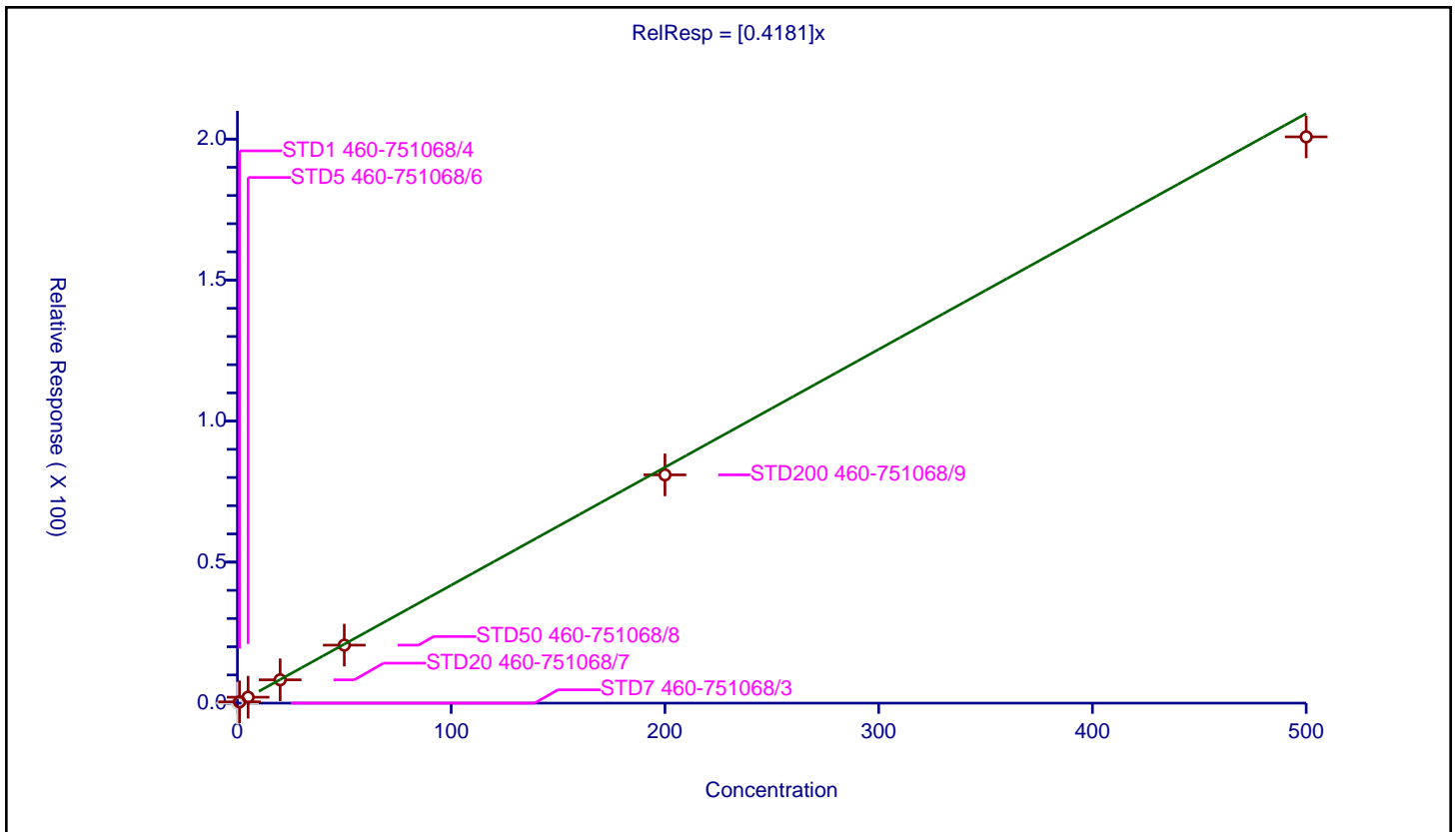
/ Chloroform

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4181

Error Coefficients	
Standard Error:	1450000
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 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.457659	50.0	560352.0	0.457659	Y
3	STD5 460-751068/6	5.0	2.100253	50.0	543125.0	0.420051	Y
4	STD20 460-751068/7	20.0	8.270835	50.0	580419.0	0.413542	Y
5	STD50 460-751068/8	50.0	20.561996	50.0	644186.0	0.41124	Y
6	STD200 460-751068/9	200.0	80.934534	50.0	668932.0	0.404673	Y
7	STD500 460-751068/10	500.0	200.790907	50.0	760330.0	0.401582	Y



**Calibration**

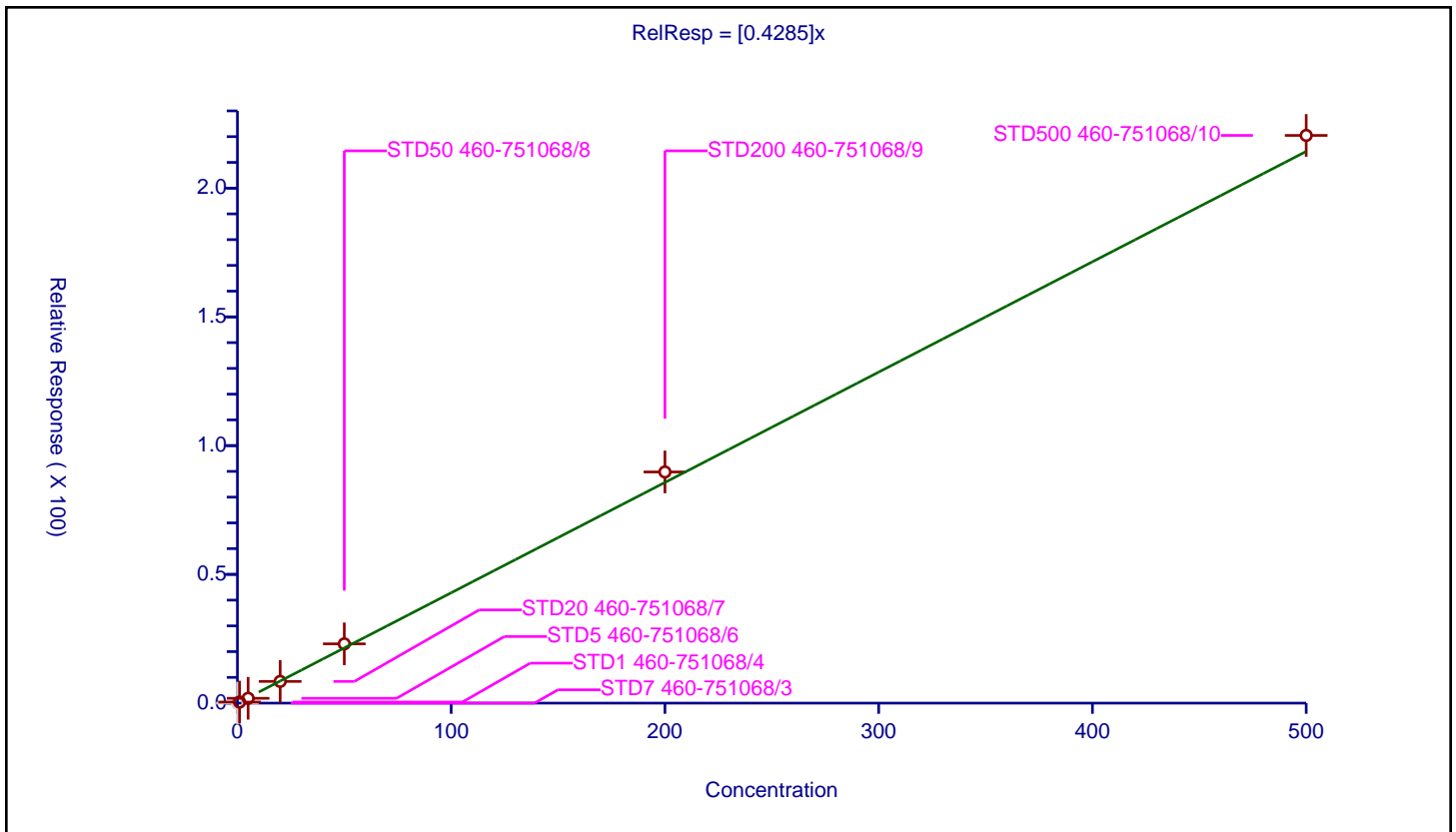
/ Cyclohexane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4285

Error Coefficients	
Standard Error:	1600000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.422859	50.0	560352.0	0.422859	Y
3	STD5 460-751068/6	5.0	1.88244	50.0	543125.0	0.376488	Y
4	STD20 460-751068/7	20.0	8.429858	50.0	580419.0	0.421493	Y
5	STD50 460-751068/8	50.0	23.019283	50.0	644186.0	0.460386	Y
6	STD200 460-751068/9	200.0	89.774372	50.0	668932.0	0.448872	Y
7	STD500 460-751068/10	500.0	220.471637	50.0	760330.0	0.440943	Y



Calibration

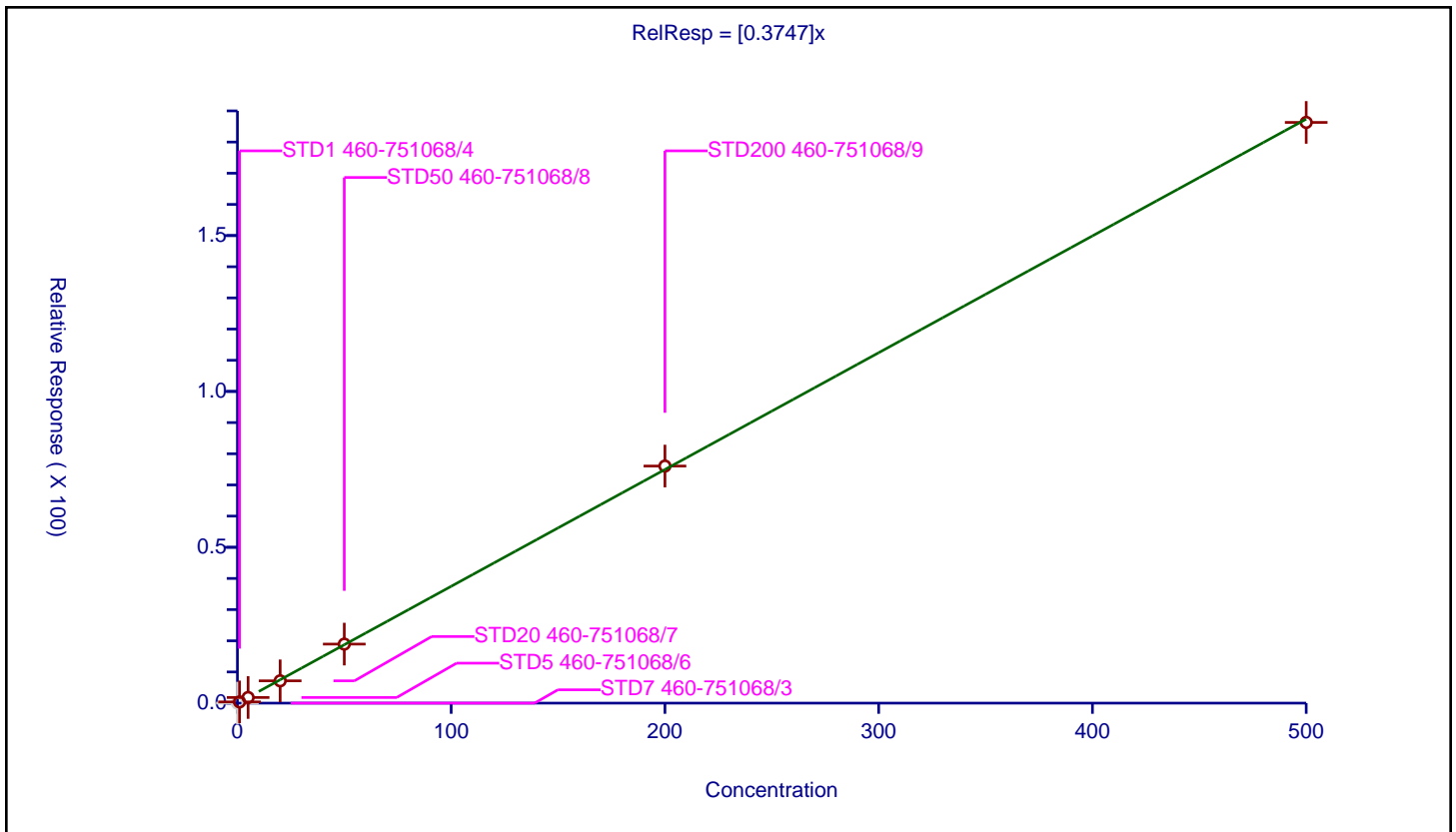
/ 1,1,1-Trichloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3747

Error Coefficients	
Standard Error:	1350000
Relative Standard Error:	3.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.397964	50.0	560352.0	0.397964	Y
3	STD5 460-751068/6	5.0	1.80557	50.0	543125.0	0.361114	Y
4	STD20 460-751068/7	20.0	7.152764	50.0	580419.0	0.357638	Y
5	STD50 460-751068/8	50.0	18.93863	50.0	644186.0	0.378773	Y
6	STD200 460-751068/9	200.0	76.055115	50.0	668932.0	0.380276	Y
7	STD500 460-751068/10	500.0	186.30325	50.0	760330.0	0.372606	Y



**Calibration**

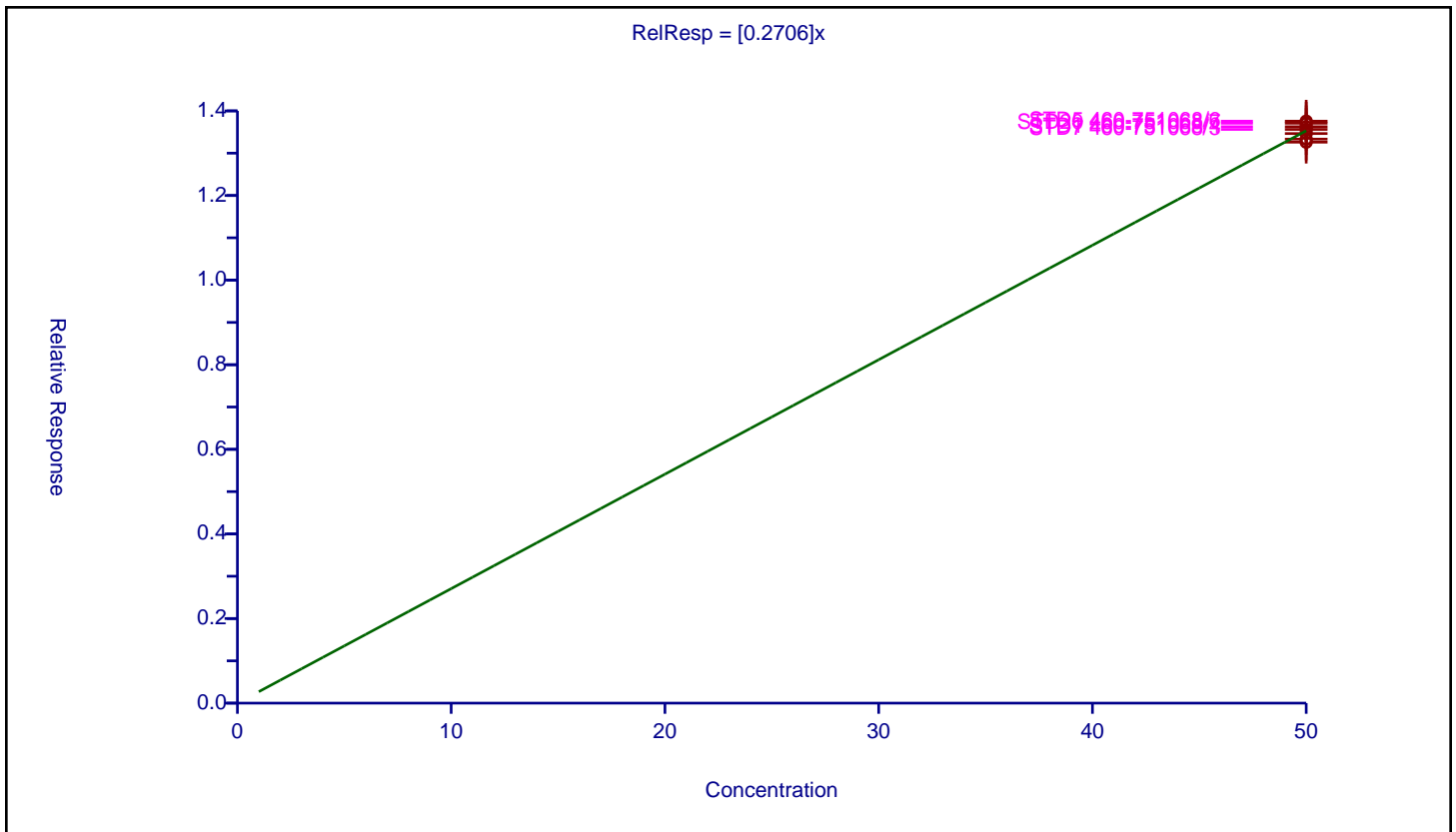
/ Dibromofluoromethane (Surr)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2706

Error Coefficients	
Standard Error:	183000
Relative Standard Error:	1.4
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	50.0	13.56148	50.0	611799.0	0.27123	Y
2	STD1 460-751068/4	50.0	13.625899	50.0	560352.0	0.272518	Y
3	STD5 460-751068/6	50.0	13.756962	50.0	543125.0	0.275139	Y
4	STD20 460-751068/7	50.0	13.707684	50.0	580419.0	0.274154	Y
5	STD50 460-751068/8	50.0	13.332329	50.0	644186.0	0.266647	Y
6	STD200 460-751068/9	50.0	13.464074	50.0	668932.0	0.269281	Y
7	STD500 460-751068/10	50.0	13.260098	50.0	760330.0	0.265202	Y



**Calibration**

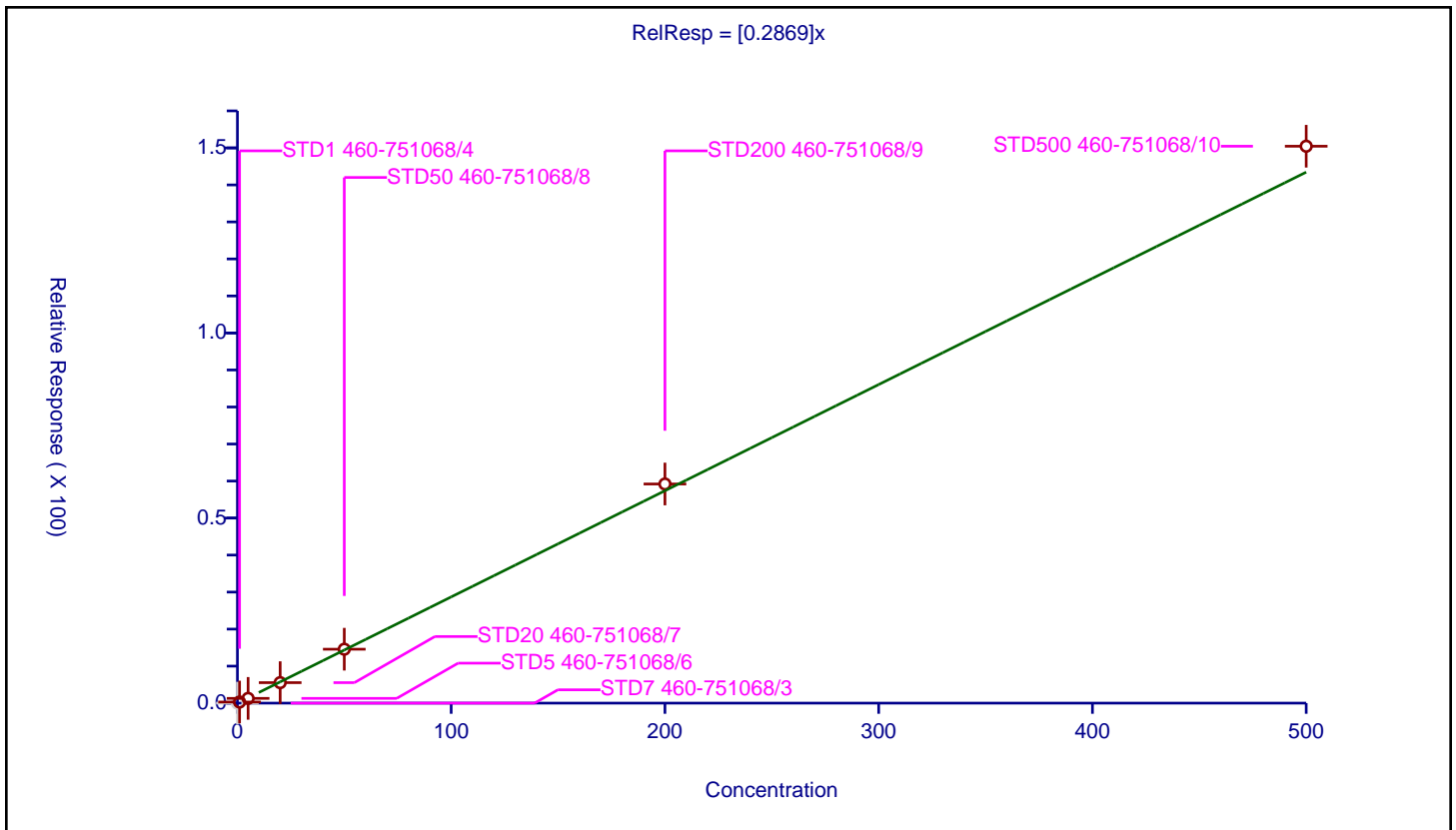
**/ Carbon tetrachloride**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** ISTD  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	0.2869

Error Coefficients	
<b>Standard Error:</b>	1090000
<b>Relative Standard Error:</b>	5.9
<b>Correlation Coefficient:</b>	0.997
<b>Coefficient of Determination (Adjusted):</b>	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.299008	50.0	560352.0	0.299008	Y
3	STD5 460-751068/6	5.0	1.287089	50.0	543125.0	0.257418	Y
4	STD20 460-751068/7	20.0	5.534622	50.0	580419.0	0.276731	Y
5	STD50 460-751068/8	50.0	14.565281	50.0	644186.0	0.291306	Y
6	STD200 460-751068/9	200.0	59.201683	50.0	668932.0	0.296008	Y
7	STD500 460-751068/10	500.0	150.453224	50.0	760330.0	0.300906	Y



Calibration

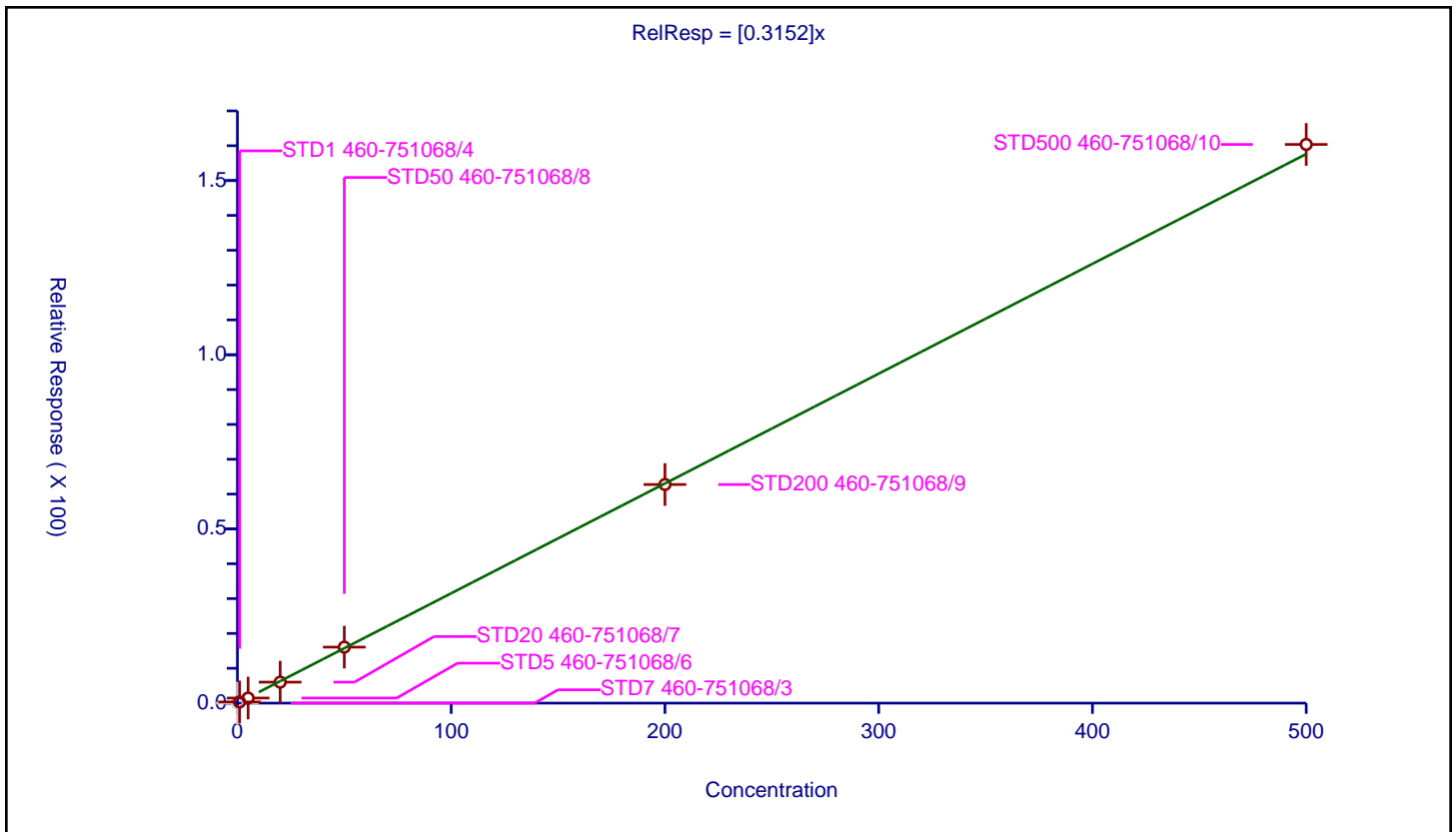
/ 1,1-Dichloropropene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3152

Error Coefficients	
Standard Error:	1160000
Relative Standard Error:	5.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.341214	50.0	560352.0	0.341214	Y
3	STD5 460-751068/6	5.0	1.46458	50.0	543125.0	0.292916	Y
4	STD20 460-751068/7	20.0	6.026336	50.0	580419.0	0.301317	Y
5	STD50 460-751068/8	50.0	16.072454	50.0	644186.0	0.321449	Y
6	STD200 460-751068/9	200.0	62.750922	50.0	668932.0	0.313755	Y
7	STD500 460-751068/10	500.0	160.370234	50.0	760330.0	0.32074	Y



**Calibration**

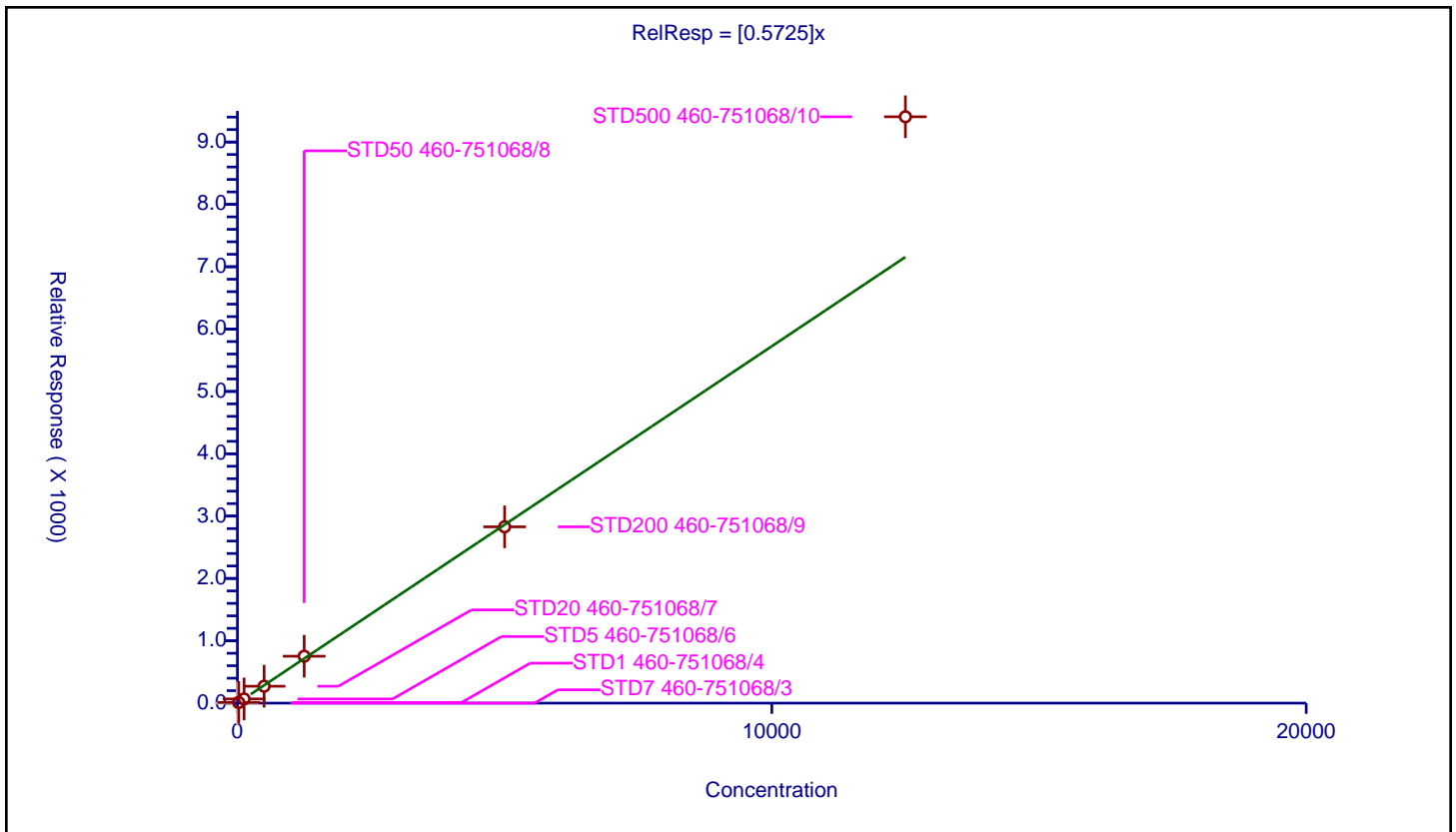
/ Isobutyl alcohol

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5725

Error Coefficients	
Standard Error:	1620000
Relative Standard Error:	18.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	25.0	10.849114	1000.0	327400.0	0.433965	Y
3	STD5 460-751068/6	125.0	67.331587	1000.0	297379.0	0.538653	Y
4	STD20 460-751068/7	500.0	271.033942	1000.0	346654.0	0.542068	Y
5	STD50 460-751068/8	1250.0	752.658815	1000.0	350156.0	0.602127	Y
6	STD200 460-751068/9	5000.0	2828.111187	1000.0	392527.0	0.565622	Y
7	STD500 460-751068/10	12500.0	9405.683612	1000.0	366246.0	0.752455	Y





Calibration

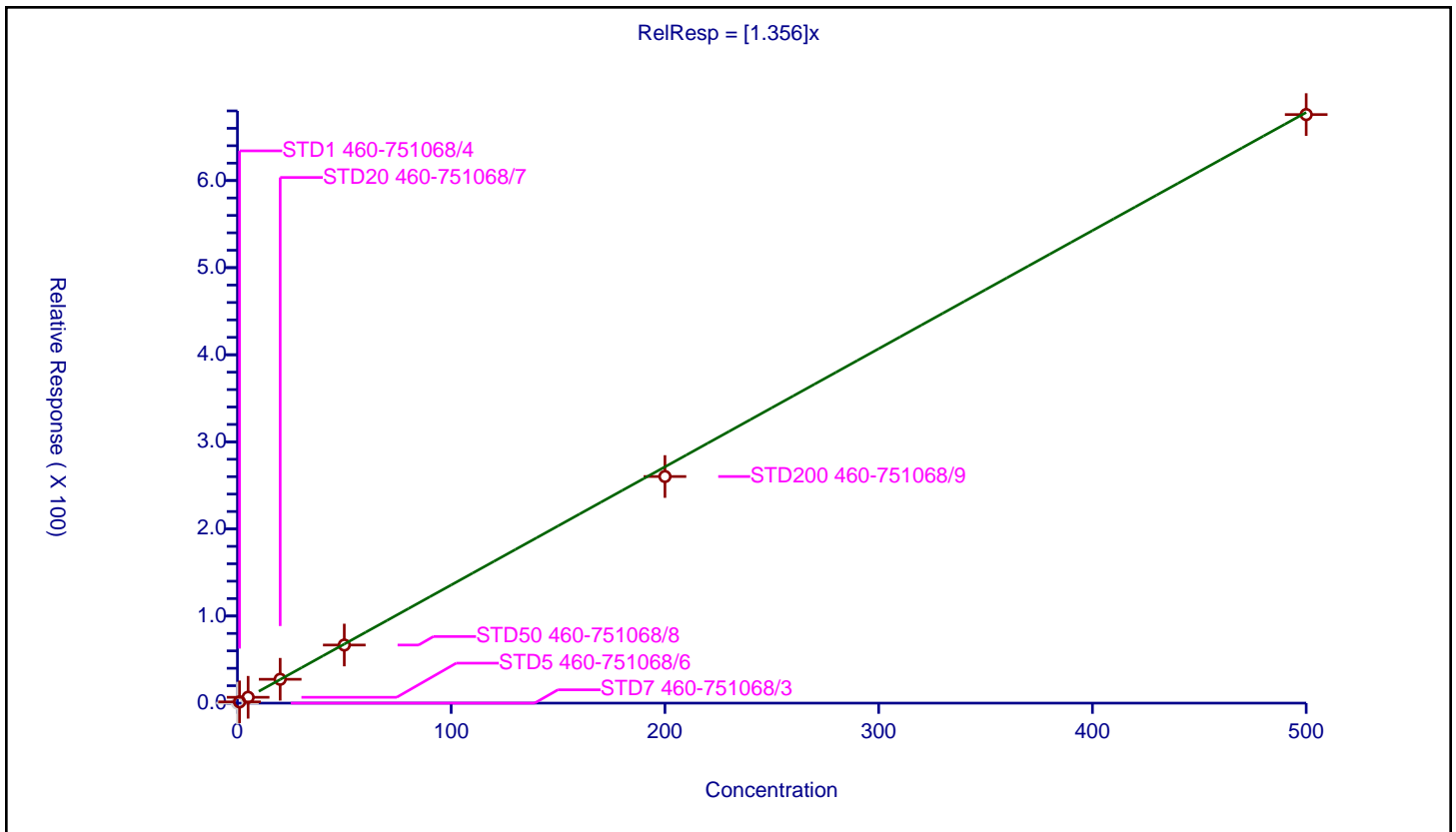
/ Benzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.356

Error Coefficients	
Standard Error:	3600000
Relative Standard Error:	3.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	1.439659	50.0	406242.0	1.439659	Y
3	STD5 460-751068/6	5.0	6.719539	50.0	402602.0	1.343908	Y
4	STD20 460-751068/7	20.0	27.370296	50.0	409316.0	1.368515	Y
5	STD50 460-751068/8	50.0	66.699471	50.0	472500.0	1.333989	Y
6	STD200 460-751068/9	200.0	260.202731	50.0	504561.0	1.301014	Y
7	STD500 460-751068/10	500.0	675.76973	50.0	561366.0	1.351539	Y



**Calibration**

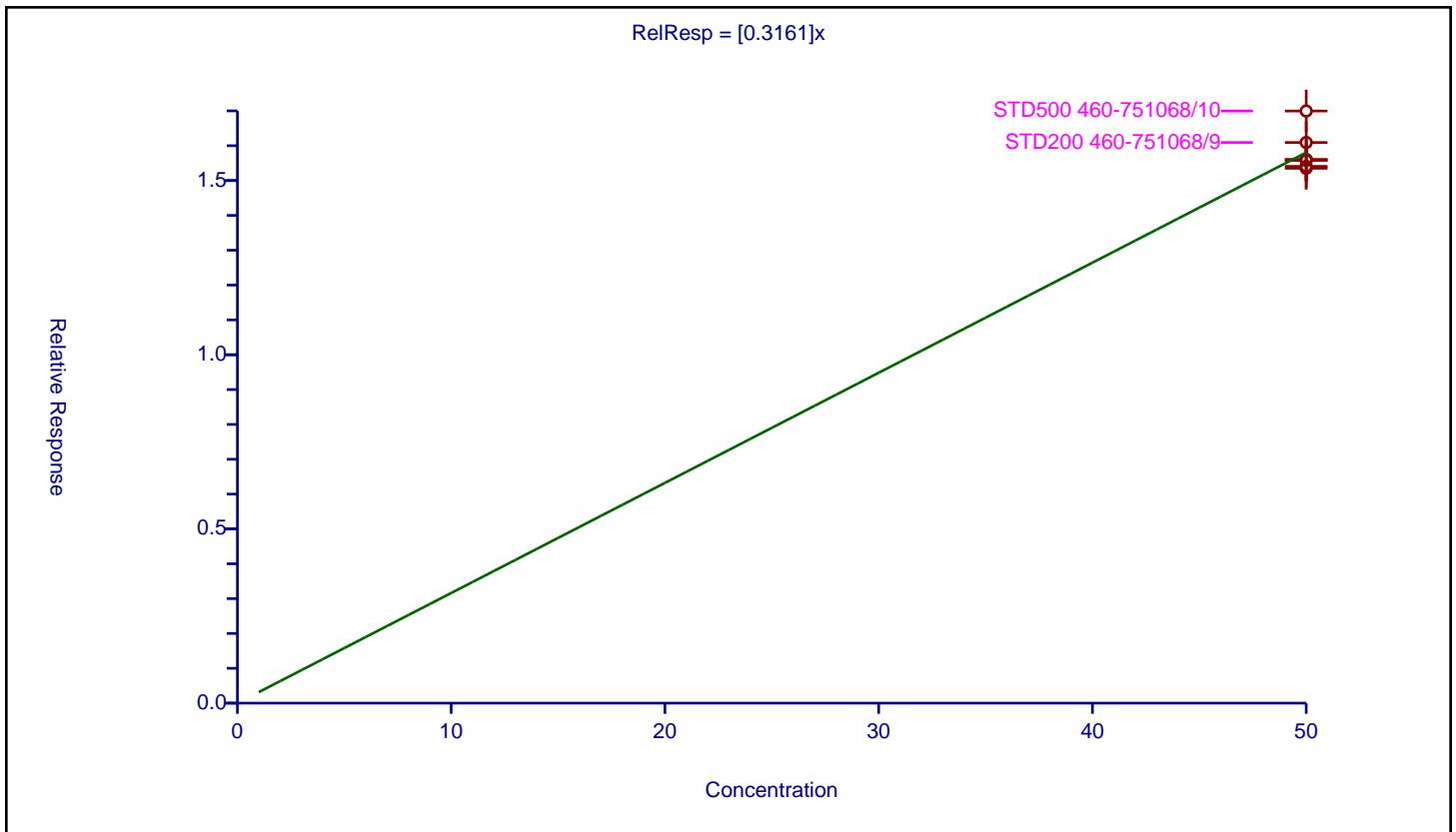
/ 1,2-Dichloroethane-d4 (Surr)

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** ISTD  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	0.3161

Error Coefficients	
Standard Error:	216000
Relative Standard Error:	3.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	50.0	15.352836	50.0	611799.0	0.307057	Y
2	STD1 460-751068/4	50.0	15.407815	50.0	560352.0	0.308156	Y
3	STD5 460-751068/6	50.0	15.581036	50.0	543125.0	0.311621	Y
4	STD20 460-751068/7	50.0	15.58848	50.0	580419.0	0.31177	Y
5	STD50 460-751068/8	50.0	15.607061	50.0	644186.0	0.312141	Y
6	STD200 460-751068/9	50.0	16.092293	50.0	668932.0	0.321846	Y
7	STD500 460-751068/10	50.0	16.996304	50.0	760330.0	0.339926	Y



**Calibration**

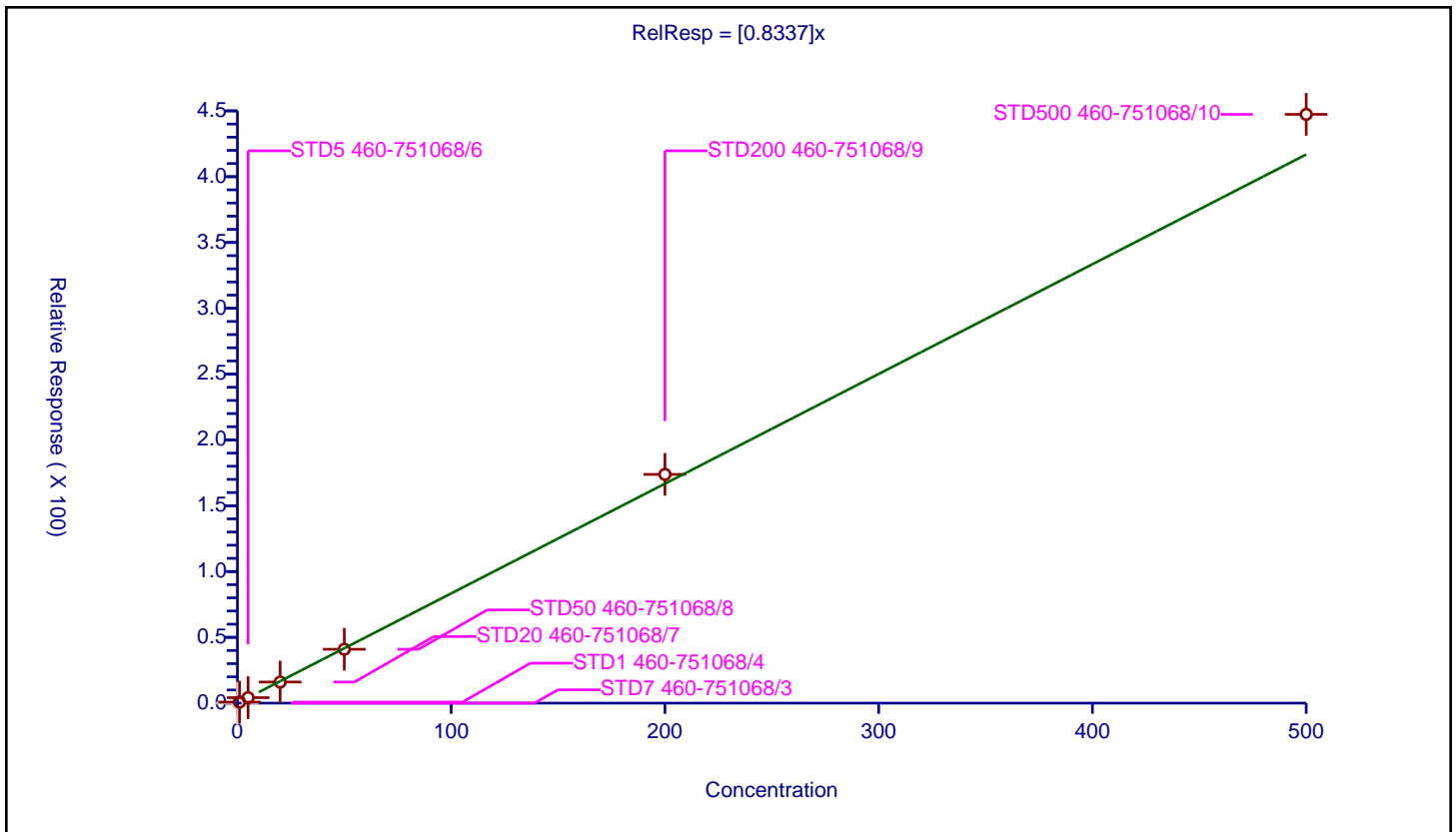
/ Isopropyl acetate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8337

Error Coefficients	
Standard Error:	3220000
Relative Standard Error:	5.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.783704	50.0	560352.0	0.783704	Y
3	STD5 460-751068/6	5.0	4.173993	50.0	543125.0	0.834799	Y
4	STD20 460-751068/7	20.0	16.03247	50.0	580419.0	0.801623	Y
5	STD50 460-751068/8	50.0	40.929095	50.0	644186.0	0.818582	Y
6	STD200 460-751068/9	200.0	173.796963	50.0	668932.0	0.868985	Y
7	STD500 460-751068/10	500.0	447.34681	50.0	760330.0	0.894694	Y



**Calibration**

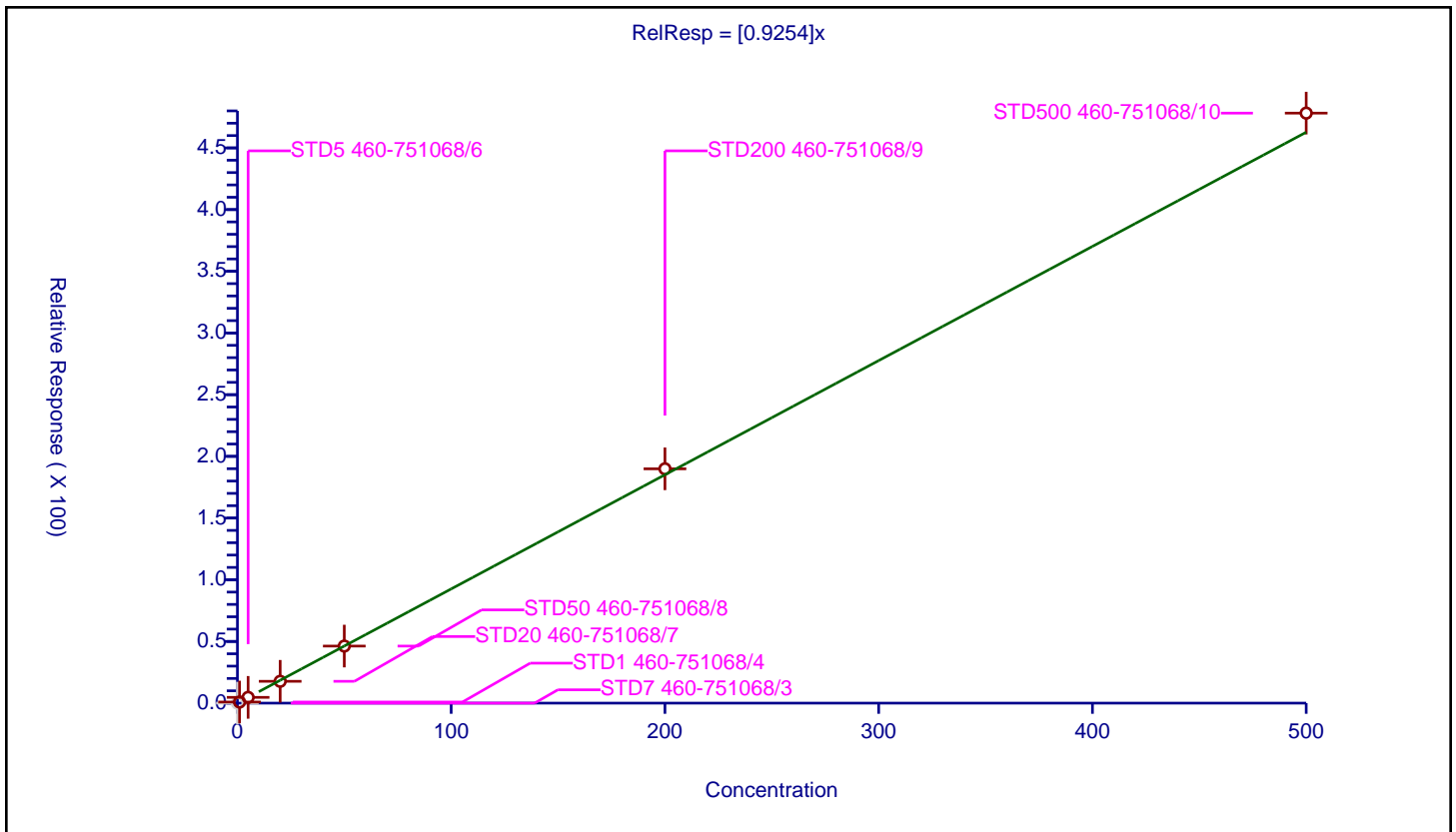
/ Tert-amyl methyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9254

Error Coefficients	
Standard Error:	3460000
Relative Standard Error:	3.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.903004	50.0	560352.0	0.903004	Y
3	STD5 460-751068/6	5.0	4.669643	50.0	543125.0	0.933929	Y
4	STD20 460-751068/7	20.0	17.691099	50.0	580419.0	0.884555	Y
5	STD50 460-751068/8	50.0	46.249841	50.0	644186.0	0.924997	Y
6	STD200 460-751068/9	200.0	189.910036	50.0	668932.0	0.94955	Y
7	STD500 460-751068/10	500.0	478.195586	50.0	760330.0	0.956391	Y



Calibration

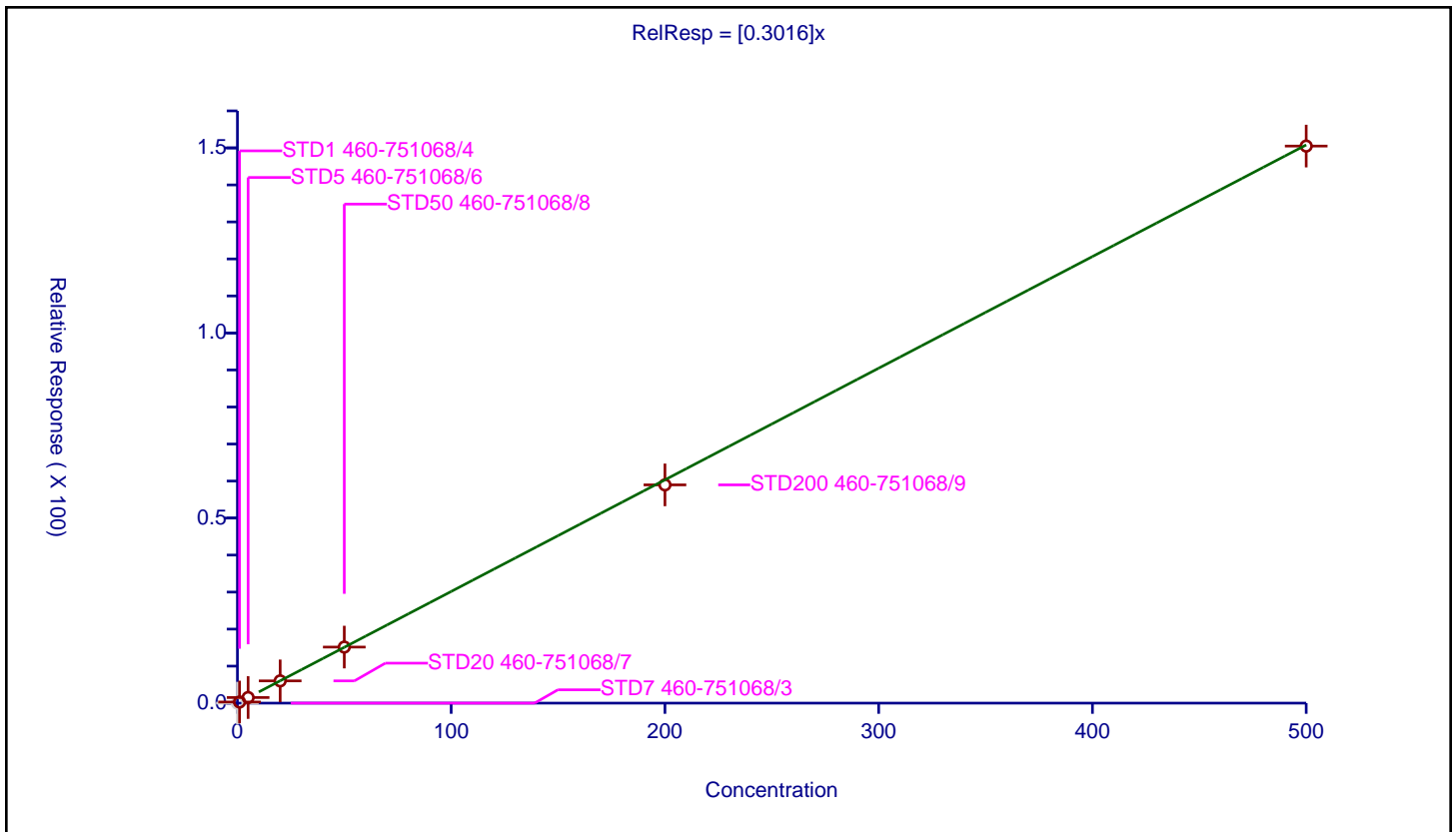
/ 1,2-Dichloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3016

Error Coefficients	
Standard Error:	1090000
Relative Standard Error:	1.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.30811	50.0	560352.0	0.30811	Y
3	STD5 460-751068/6	5.0	1.512083	50.0	543125.0	0.302417	Y
4	STD20 460-751068/7	20.0	6.011175	50.0	580419.0	0.300559	Y
5	STD50 460-751068/8	50.0	15.142831	50.0	644186.0	0.302857	Y
6	STD200 460-751068/9	200.0	58.963841	50.0	668932.0	0.294819	Y
7	STD500 460-751068/10	500.0	150.491563	50.0	760330.0	0.300983	Y



Calibration

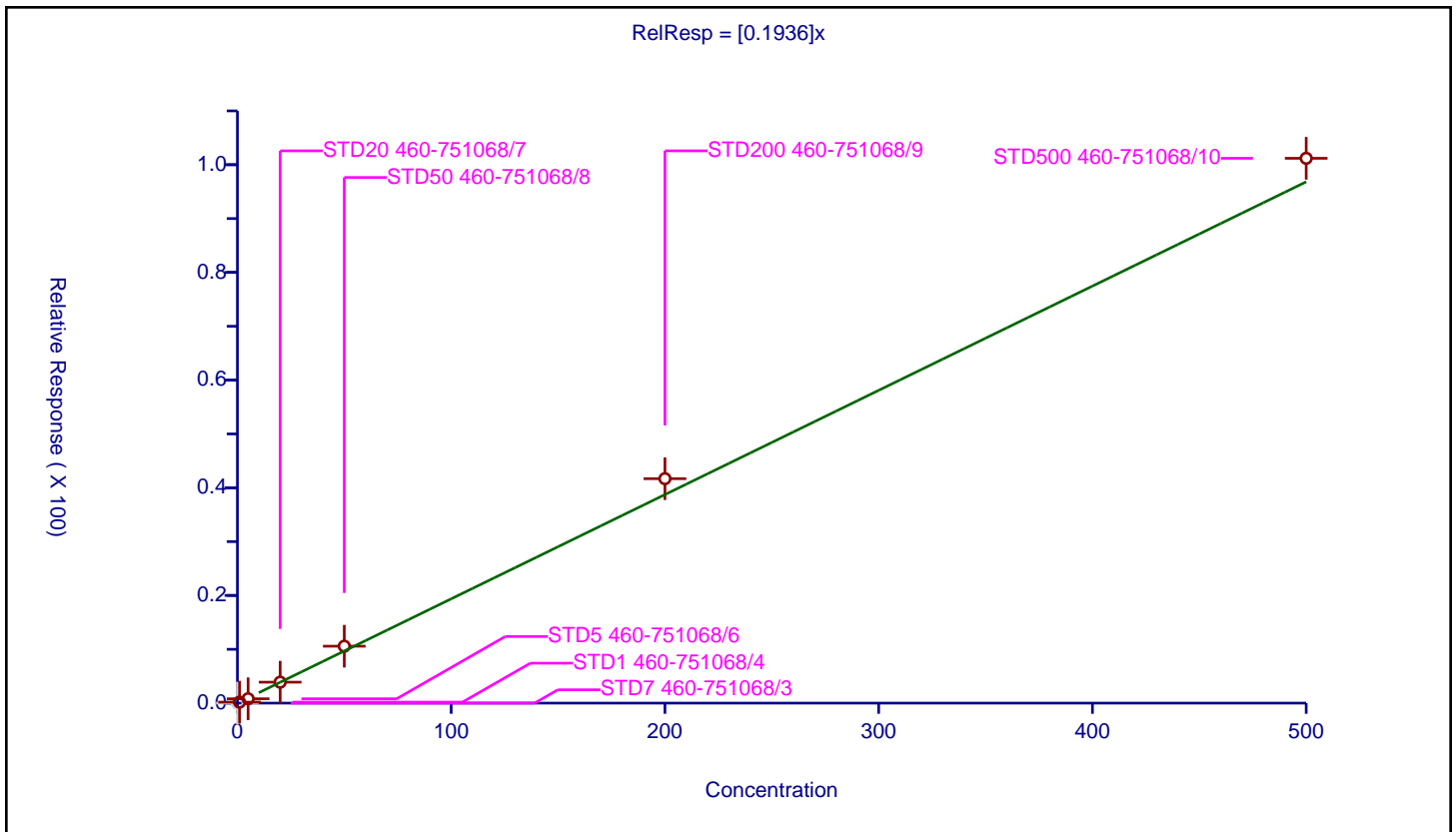
/ n-Heptane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1936

Error Coefficients	
Standard Error:	735000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.183367	50.0	560352.0	0.183367	Y
3	STD5 460-751068/6	5.0	0.808101	50.0	543125.0	0.16162	Y
4	STD20 460-751068/7	20.0	3.892533	50.0	580419.0	0.194627	Y
5	STD50 460-751068/8	50.0	10.572335	50.0	644186.0	0.211447	Y
6	STD200 460-751068/9	200.0	41.690187	50.0	668932.0	0.208451	Y
7	STD500 460-751068/10	500.0	101.192509	50.0	760330.0	0.202385	Y



Calibration

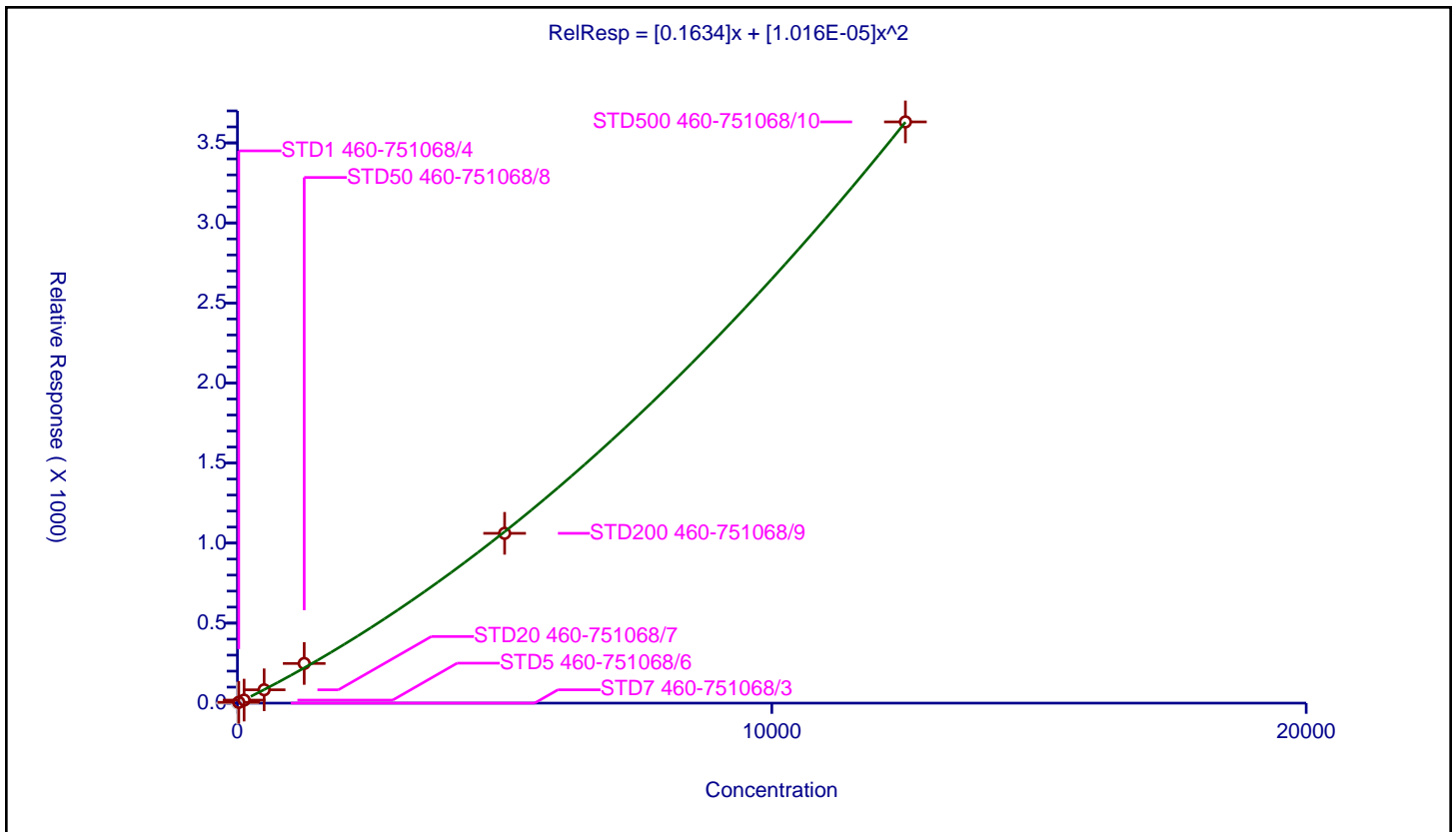
/ n-Butanol

Curve Type: Quadratic  
 Weighting: None  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1634
Second Order:	1.016E-05

Error Coefficients	
Standard Error:	696000
Relative Standard Error:	14.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	339990.0	NaN	N
2	STD1 460-751068/4	25.0	5.11912	1000.0	327400.0	0.204765	Y
3	STD5 460-751068/6	125.0	18.841277	1000.0	297379.0	0.15073	Y
4	STD20 460-751068/7	500.0	83.330929	1000.0	346654.0	0.166662	Y
5	STD50 460-751068/8	1250.0	247.863809	1000.0	350156.0	0.198291	Y
6	STD200 460-751068/9	5000.0	1060.767794	1000.0	392527.0	0.212154	Y
7	STD500 460-751068/10	12500.0	3631.266963	1000.0	366246.0	0.290501	Y



Calibration

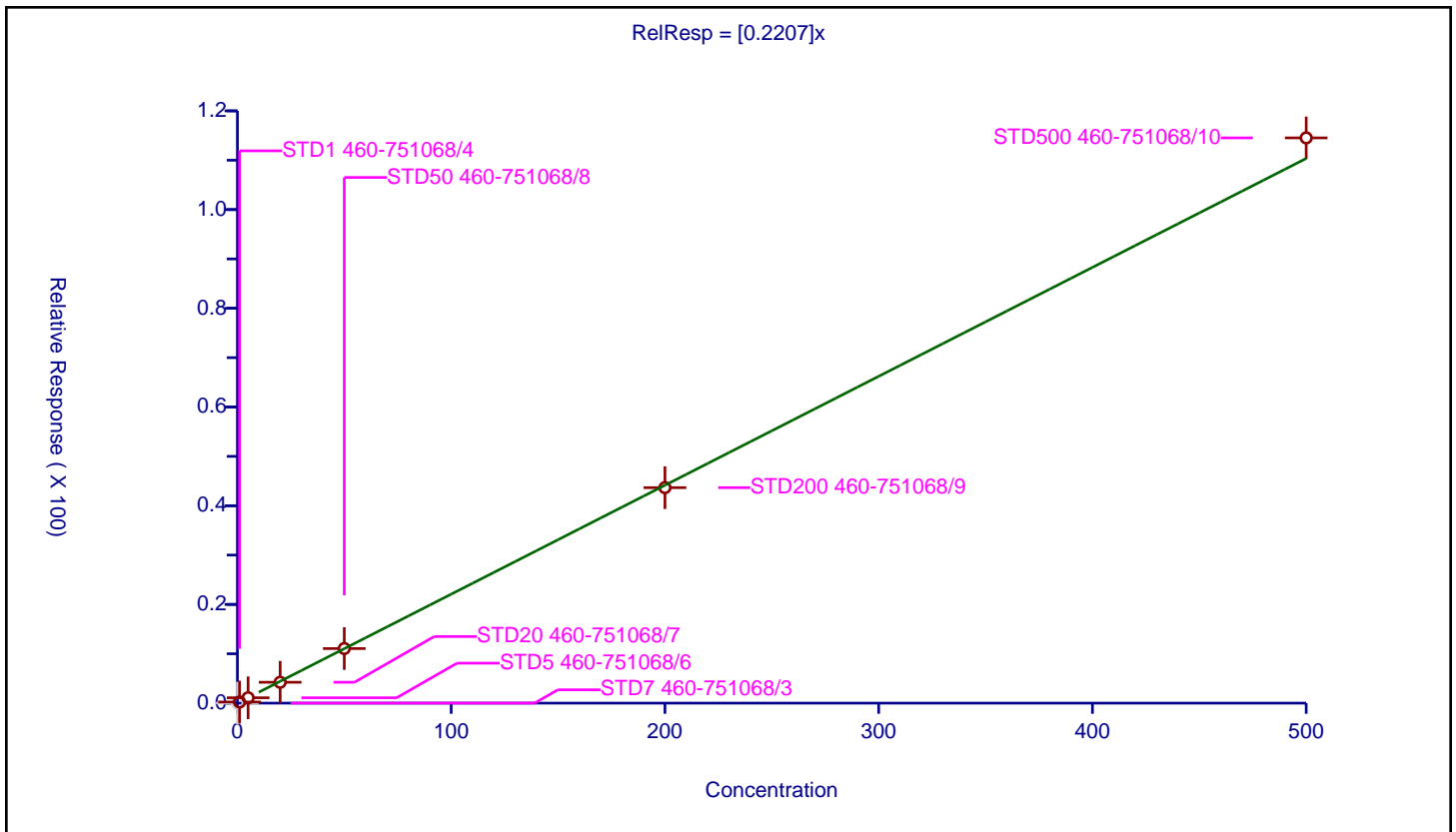
/ Trichloroethene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2207

Error Coefficients	
Standard Error:	824000
Relative Standard Error:	3.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.227357	50.0	560352.0	0.227357	Y
3	STD5 460-751068/6	5.0	1.08557	50.0	543125.0	0.217114	Y
4	STD20 460-751068/7	20.0	4.225827	50.0	580419.0	0.211291	Y
5	STD50 460-751068/8	50.0	11.061634	50.0	644186.0	0.221233	Y
6	STD200 460-751068/9	200.0	43.663332	50.0	668932.0	0.218317	Y
7	STD500 460-751068/10	500.0	114.525601	50.0	760330.0	0.229051	Y





**Calibration**

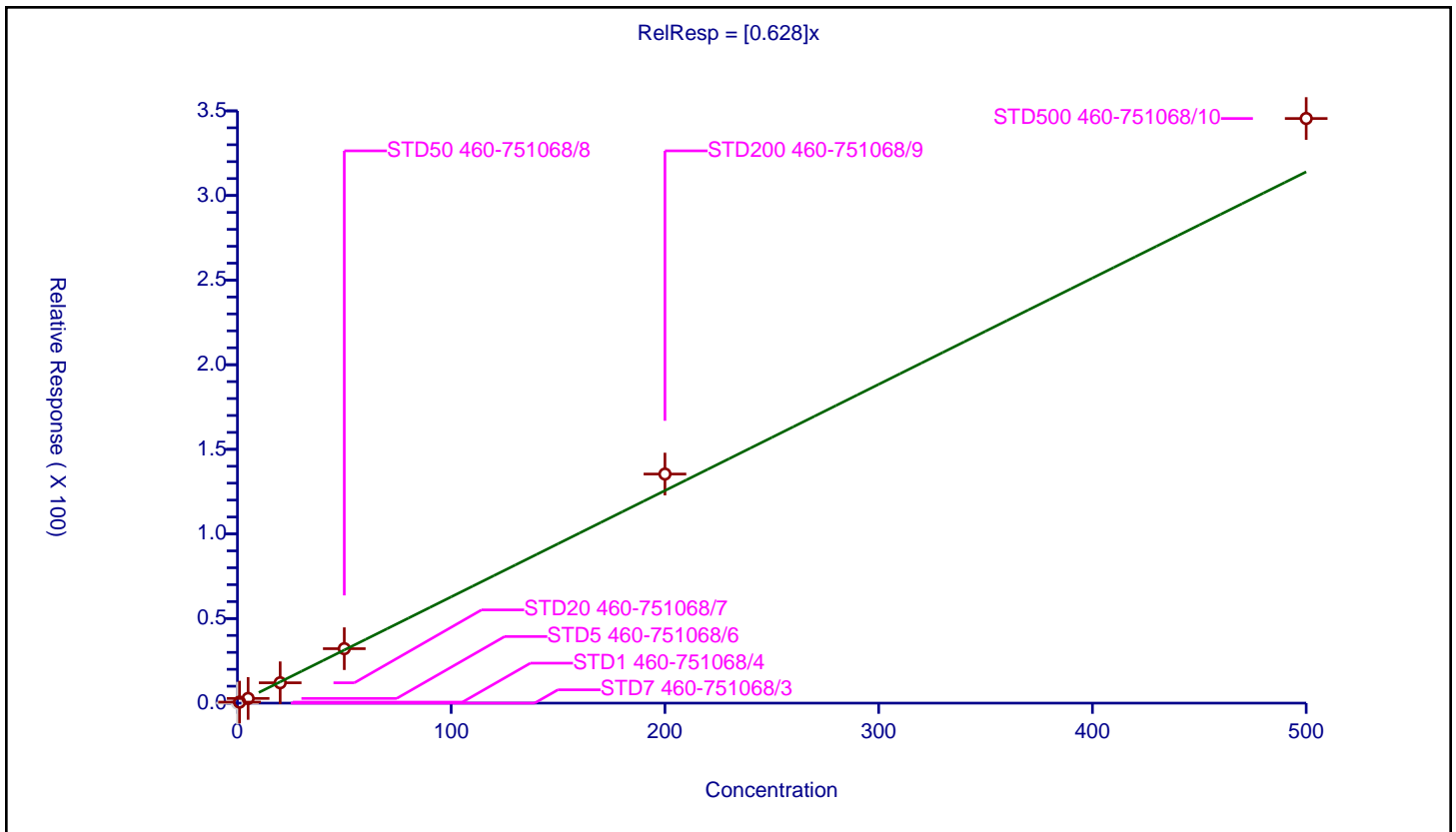
/ Ethyl acrylate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.628

Error Coefficients	
Standard Error:	2490000
Relative Standard Error:	8.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.599355	50.0	560352.0	0.599355	Y
3	STD5 460-751068/6	5.0	2.776157	50.0	543125.0	0.555231	Y
4	STD20 460-751068/7	20.0	12.033807	50.0	580419.0	0.60169	Y
5	STD50 460-751068/8	50.0	32.183251	50.0	644186.0	0.643665	Y
6	STD200 460-751068/9	200.0	135.385585	50.0	668932.0	0.676928	Y
7	STD500 460-751068/10	500.0	345.502019	50.0	760330.0	0.691004	Y



Calibration

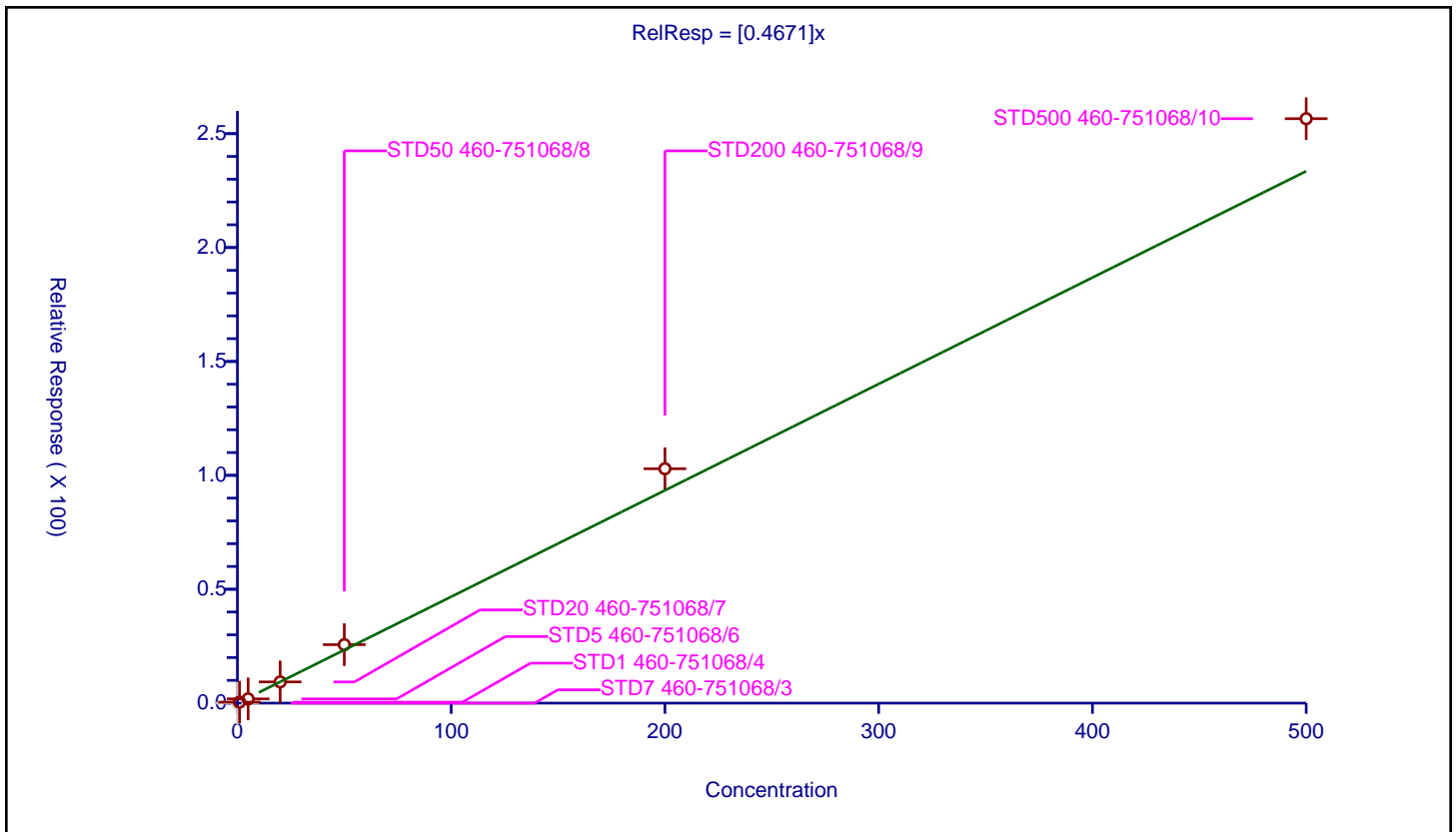
/ Methylcyclohexane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4671

Error Coefficients	
Standard Error:	1860000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.42161	50.0	560352.0	0.42161	Y
3	STD5 460-751068/6	5.0	1.870104	50.0	543125.0	0.374021	Y
4	STD20 460-751068/7	20.0	9.313358	50.0	580419.0	0.465668	Y
5	STD50 460-751068/8	50.0	25.66782	50.0	644186.0	0.513356	Y
6	STD200 460-751068/9	200.0	102.905303	50.0	668932.0	0.514527	Y
7	STD500 460-751068/10	500.0	256.57596	50.0	760330.0	0.513152	Y



Calibration

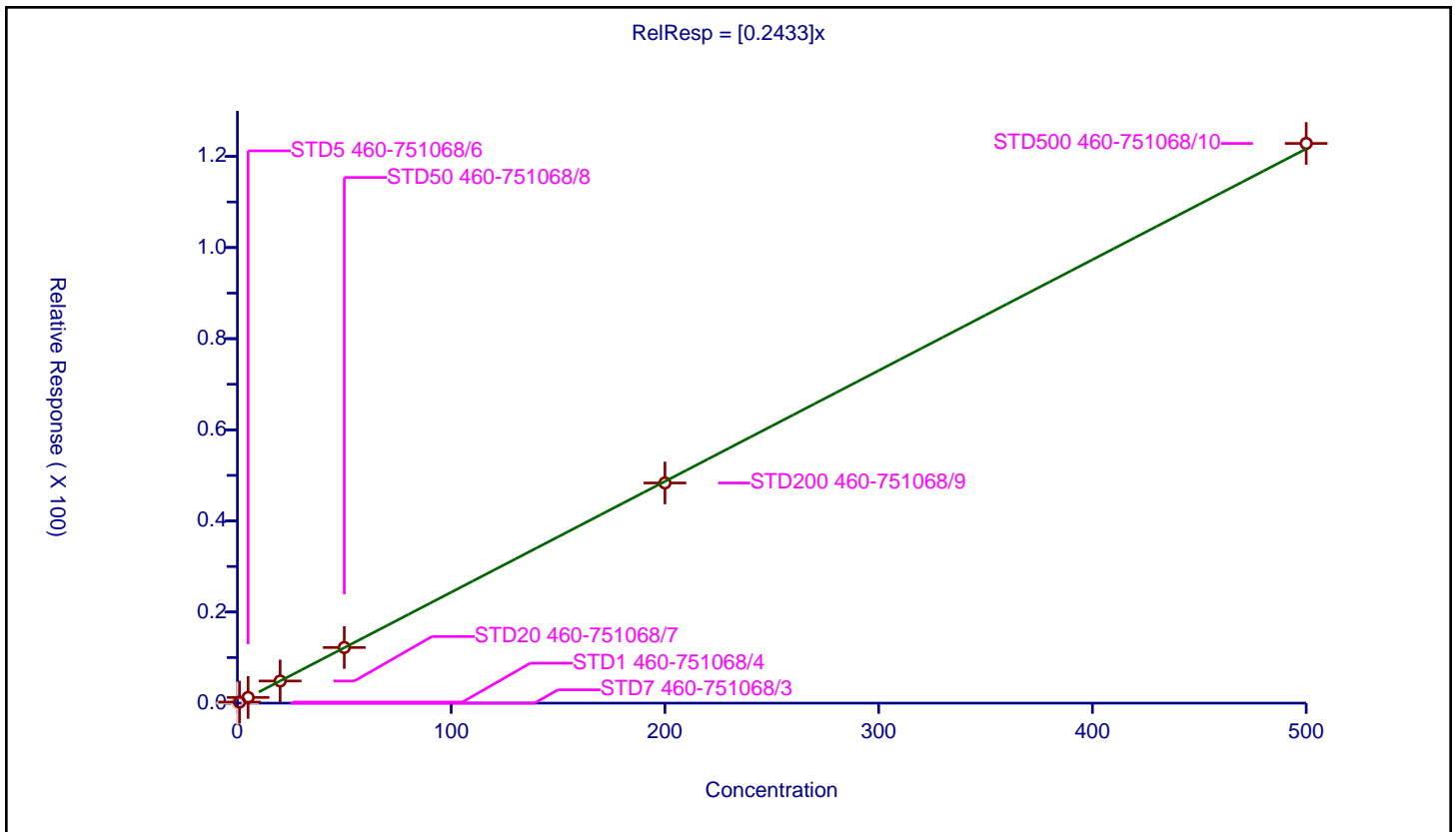
/ 1,2-Dichloropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2433

Error Coefficients	
Standard Error:	887000
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 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.235299	50.0	560352.0	0.235299	Y
3	STD5 460-751068/6	5.0	1.251001	50.0	543125.0	0.2502	Y
4	STD20 460-751068/7	20.0	4.860196	50.0	580419.0	0.24301	Y
5	STD50 460-751068/8	50.0	12.208353	50.0	644186.0	0.244167	Y
6	STD200 460-751068/9	200.0	48.327184	50.0	668932.0	0.241636	Y
7	STD500 460-751068/10	500.0	122.855931	50.0	760330.0	0.245712	Y



Calibration

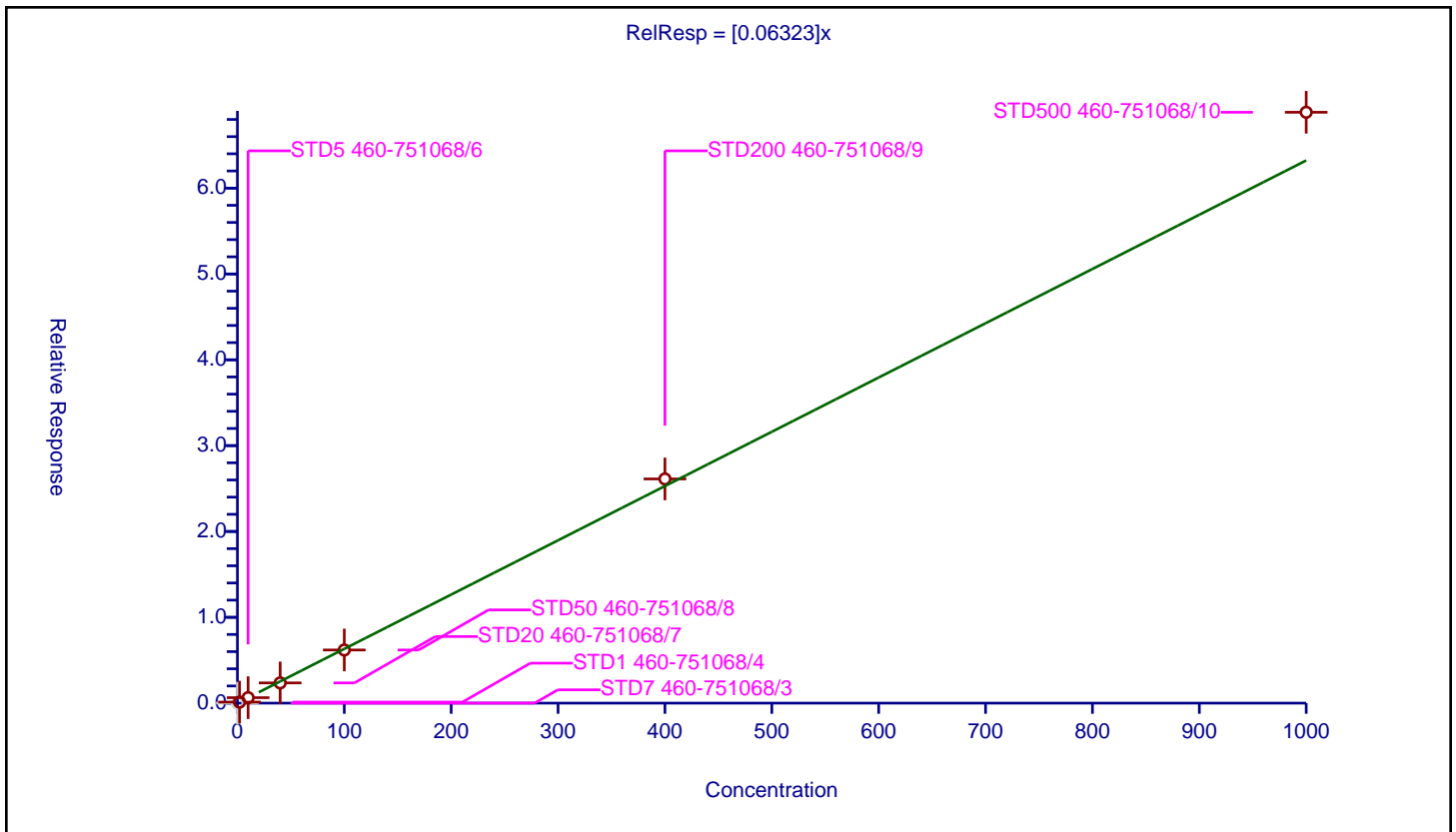
/ Methyl methacrylate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.06323

Error Coefficients	
Standard Error:	495000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	2.0	0.121263	50.0	560352.0	0.060632	Y
3	STD5 460-751068/6	10.0	0.637422	50.0	543125.0	0.063742	Y
4	STD20 460-751068/7	40.0	2.357176	50.0	580419.0	0.058929	Y
5	STD50 460-751068/8	100.0	6.190991	50.0	644186.0	0.06191	Y
6	STD200 460-751068/9	400.0	26.119546	50.0	668932.0	0.065299	Y
7	STD500 460-751068/10	1000.0	68.838399	50.0	760330.0	0.068838	Y



Calibration

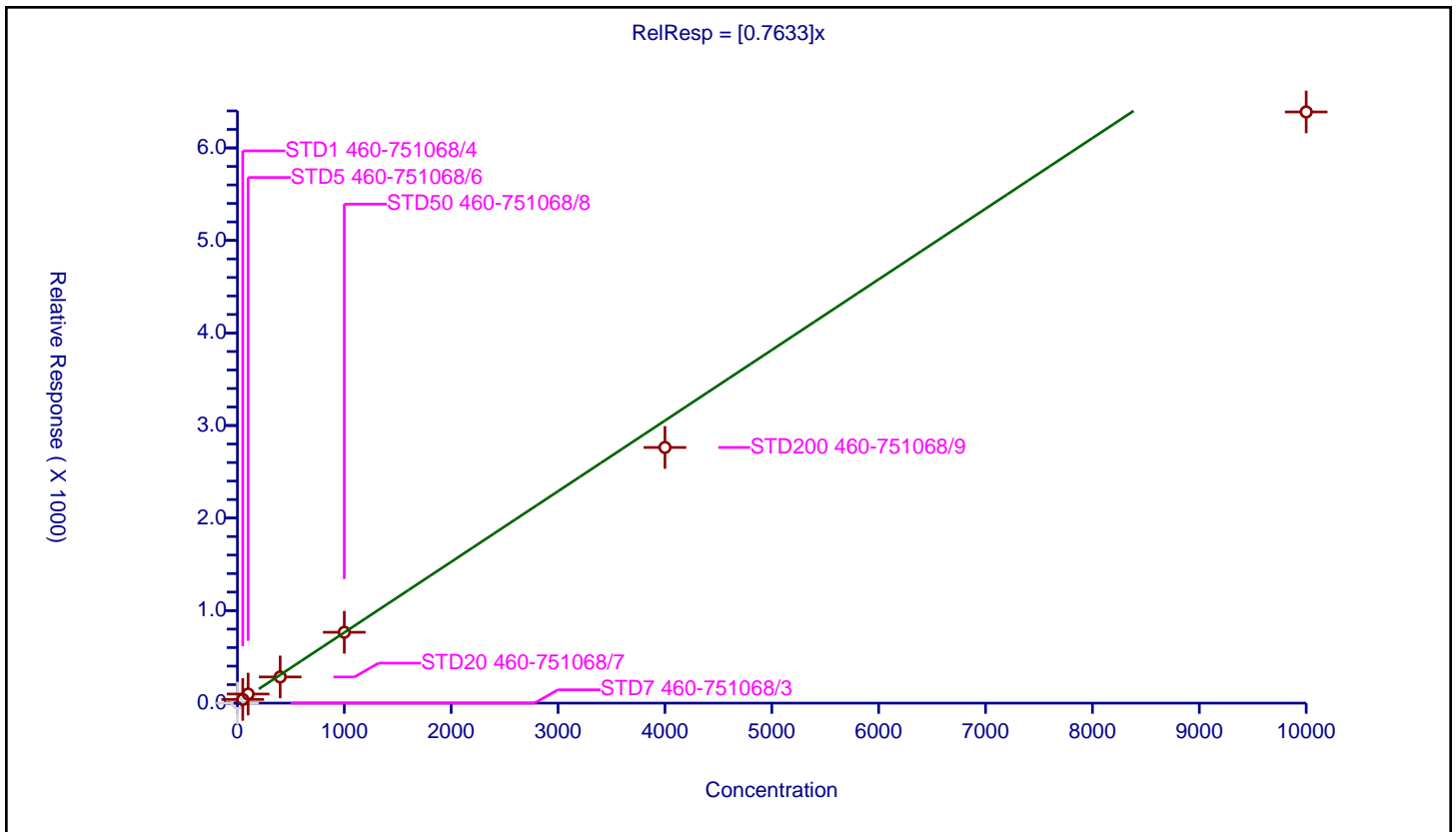
/ 1,4-Dioxane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7633

Error Coefficients	
Standard Error:	149000
Relative Standard Error:	15.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	1000.0	34254.0	NaN	N
2	STD1 460-751068/4	50.000062	39.724626	1000.0	32247.0	0.794492	Y
3	STD5 460-751068/6	100.0	98.257255	1000.0	27428.0	0.982573	Y
4	STD20 460-751068/7	400.0	282.861124	1000.0	34448.0	0.707153	Y
5	STD50 460-751068/8	1000.0	765.81244	1000.0	32427.0	0.765812	Y
6	STD200 460-751068/9	4000.0	2762.821458	1000.0	40674.0	0.690705	Y
7	STD500 460-751068/10	10000.0	6388.642891	1000.0	50136.0	0.638864	Y



Calibration

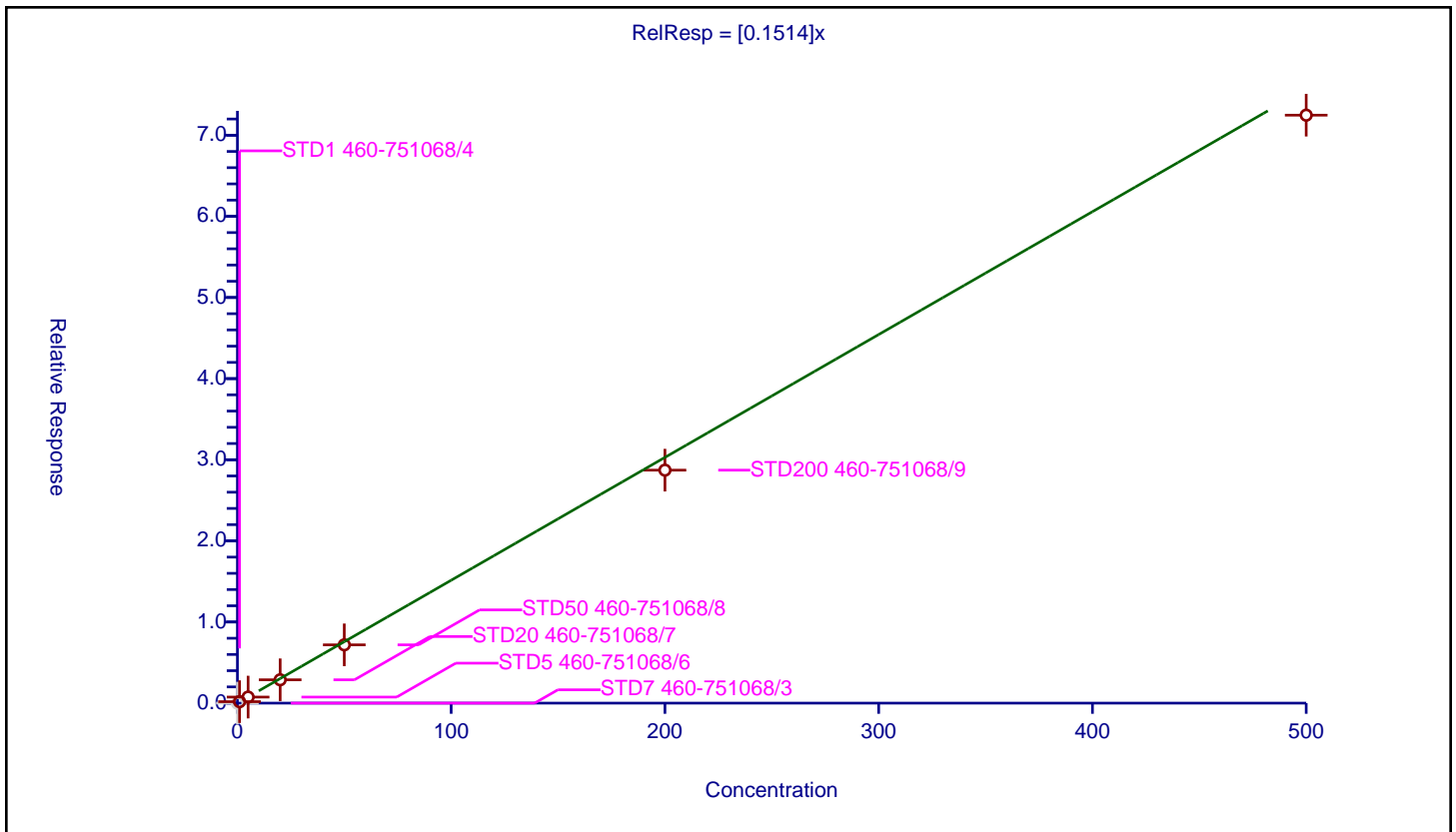
/ Dibromomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1514

Error Coefficients	
Standard Error:	524000
Relative Standard Error:	10.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.182921	50.0	560352.0	0.182921	Y
3	STD5 460-751068/6	5.0	0.748446	50.0	543125.0	0.149689	Y
4	STD20 460-751068/7	20.0	2.877232	50.0	580419.0	0.143862	Y
5	STD50 460-751068/8	50.0	7.183717	50.0	644186.0	0.143674	Y
6	STD200 460-751068/9	200.0	28.715923	50.0	668932.0	0.14358	Y
7	STD500 460-751068/10	500.0	72.47169	50.0	760330.0	0.144943	Y



**Calibration**

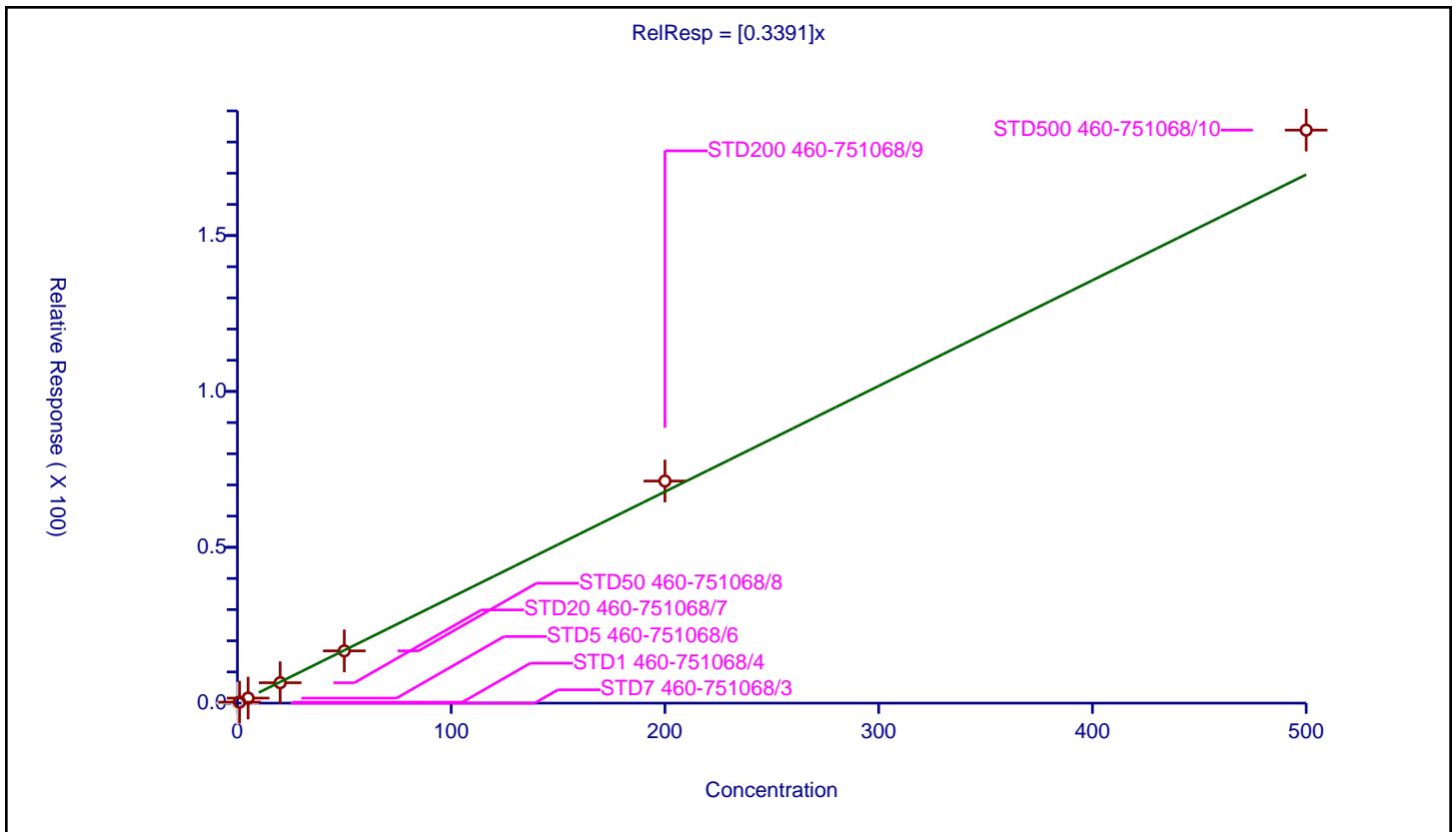
/ n-Propyl acetate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3391

Error Coefficients	
Standard Error:	1320000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.32426	50.0	560352.0	0.32426	Y
3	STD5 460-751068/6	5.0	1.620437	50.0	543125.0	0.324087	Y
4	STD20 460-751068/7	20.0	6.544152	50.0	580419.0	0.327208	Y
5	STD50 460-751068/8	50.0	16.769147	50.0	644186.0	0.335383	Y
6	STD200 460-751068/9	200.0	71.250516	50.0	668932.0	0.356253	Y
7	STD500 460-751068/10	500.0	183.830639	50.0	760330.0	0.367661	Y



**Calibration**

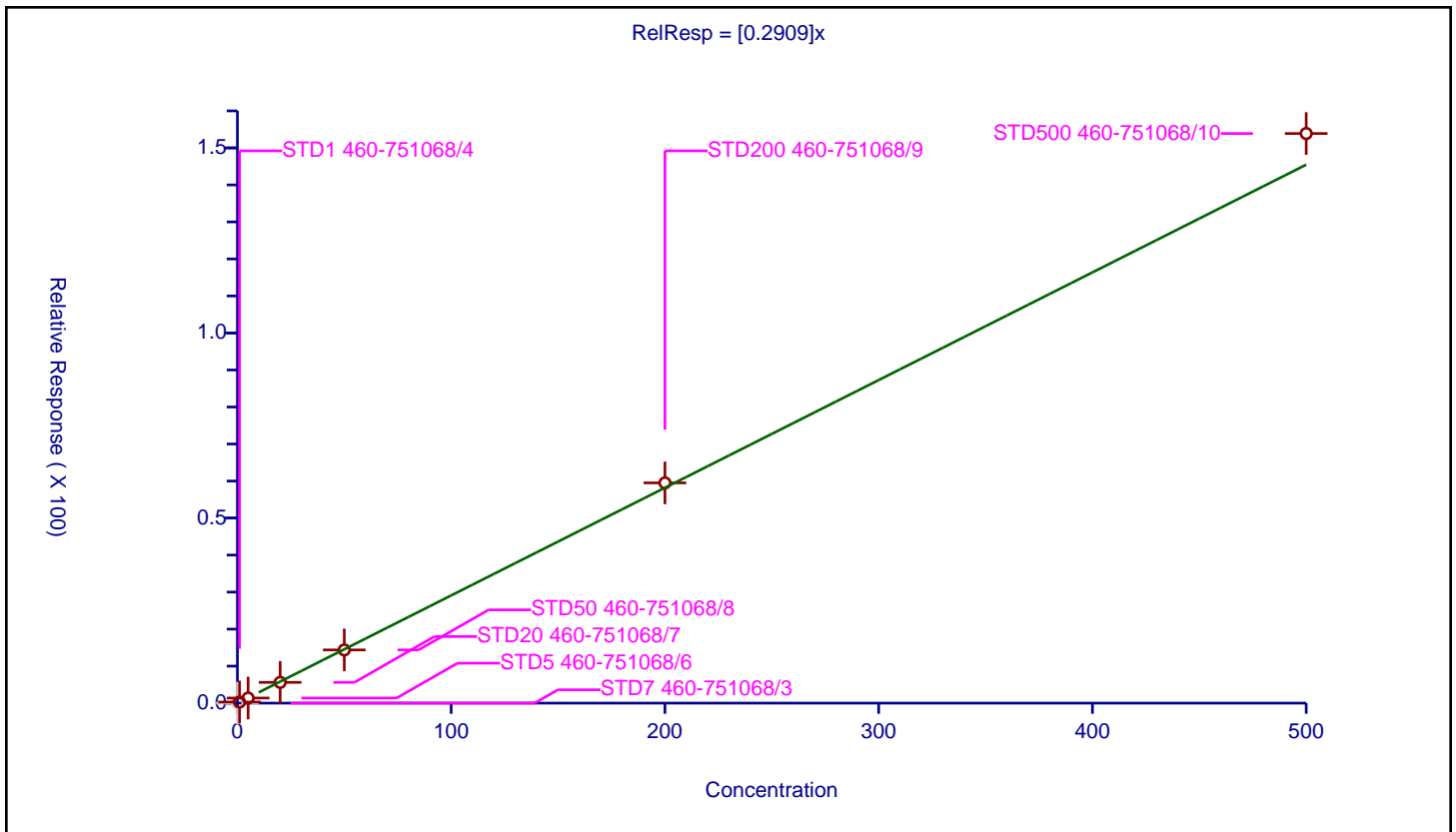
/ Dichlorobromomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2909

Error Coefficients	
Standard Error:	1110000
Relative Standard Error:	4.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0	0.297492	50.0	560352.0	0.297492	Y
3	STD5 460-751068/6	5.0	1.37519	50.0	543125.0	0.275038	Y
4	STD20 460-751068/7	20.0	5.606122	50.0	580419.0	0.280306	Y
5	STD50 460-751068/8	50.0	14.371548	50.0	644186.0	0.287431	Y
6	STD200 460-751068/9	200.0	59.503731	50.0	668932.0	0.297519	Y
7	STD500 460-751068/10	500.0	153.88555	50.0	760330.0	0.307771	Y





Calibration

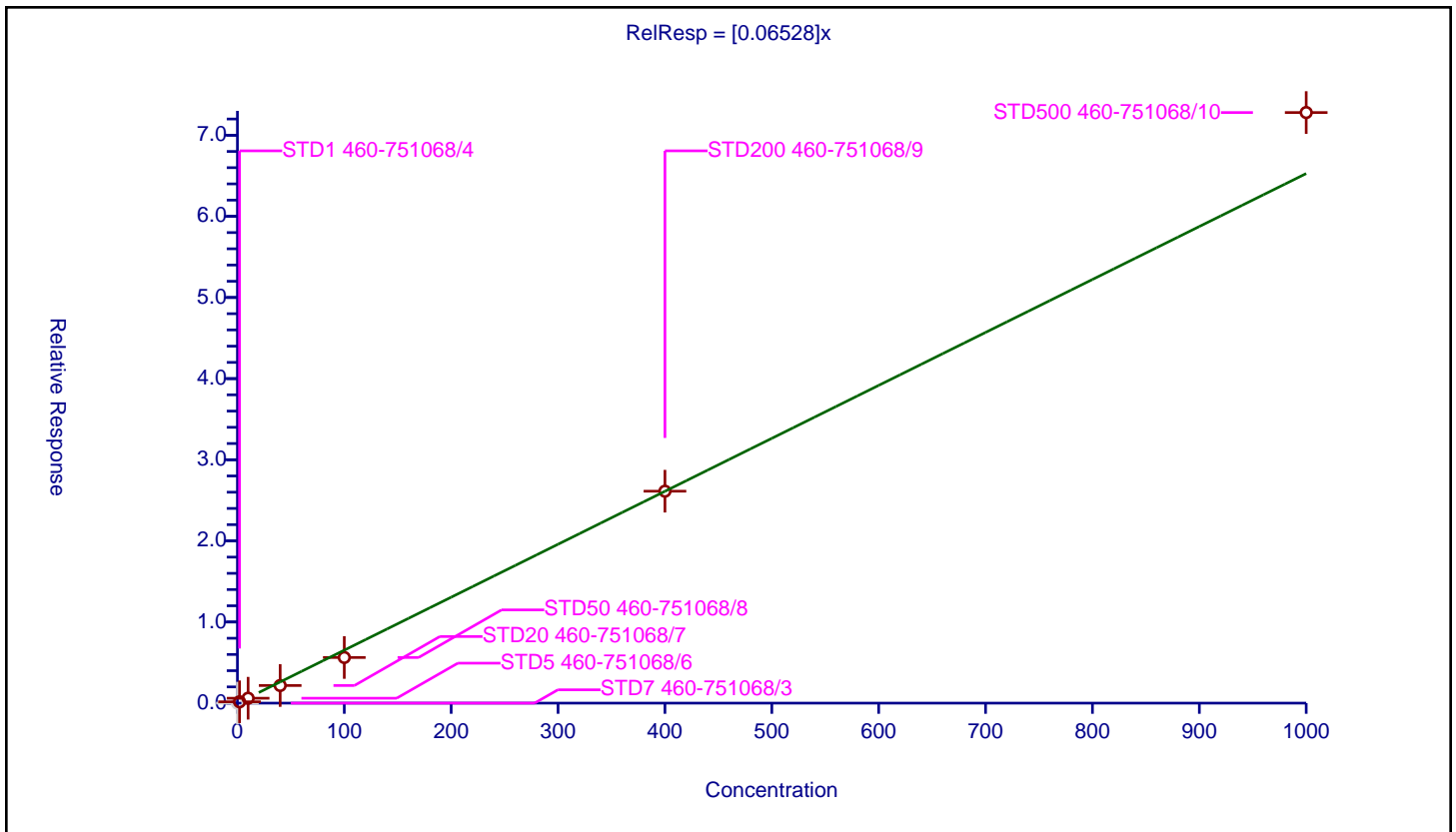
/ 2-Nitropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.06528

Error Coefficients	
Standard Error:	520000
Relative Standard Error:	16.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	2.0	0.165164	50.0	560352.0	0.082582	Y
3	STD5 460-751068/6	10.0	0.604097	50.0	543125.0	0.06041	Y
4	STD20 460-751068/7	40.0	2.172827	50.0	580419.0	0.054321	Y
5	STD50 460-751068/8	100.0	5.623842	50.0	644186.0	0.056238	Y
6	STD200 460-751068/9	400.0	26.12276	50.0	668932.0	0.065307	Y
7	STD500 460-751068/10	1000.0	72.795365	50.0	760330.0	0.072795	Y



**Calibration**

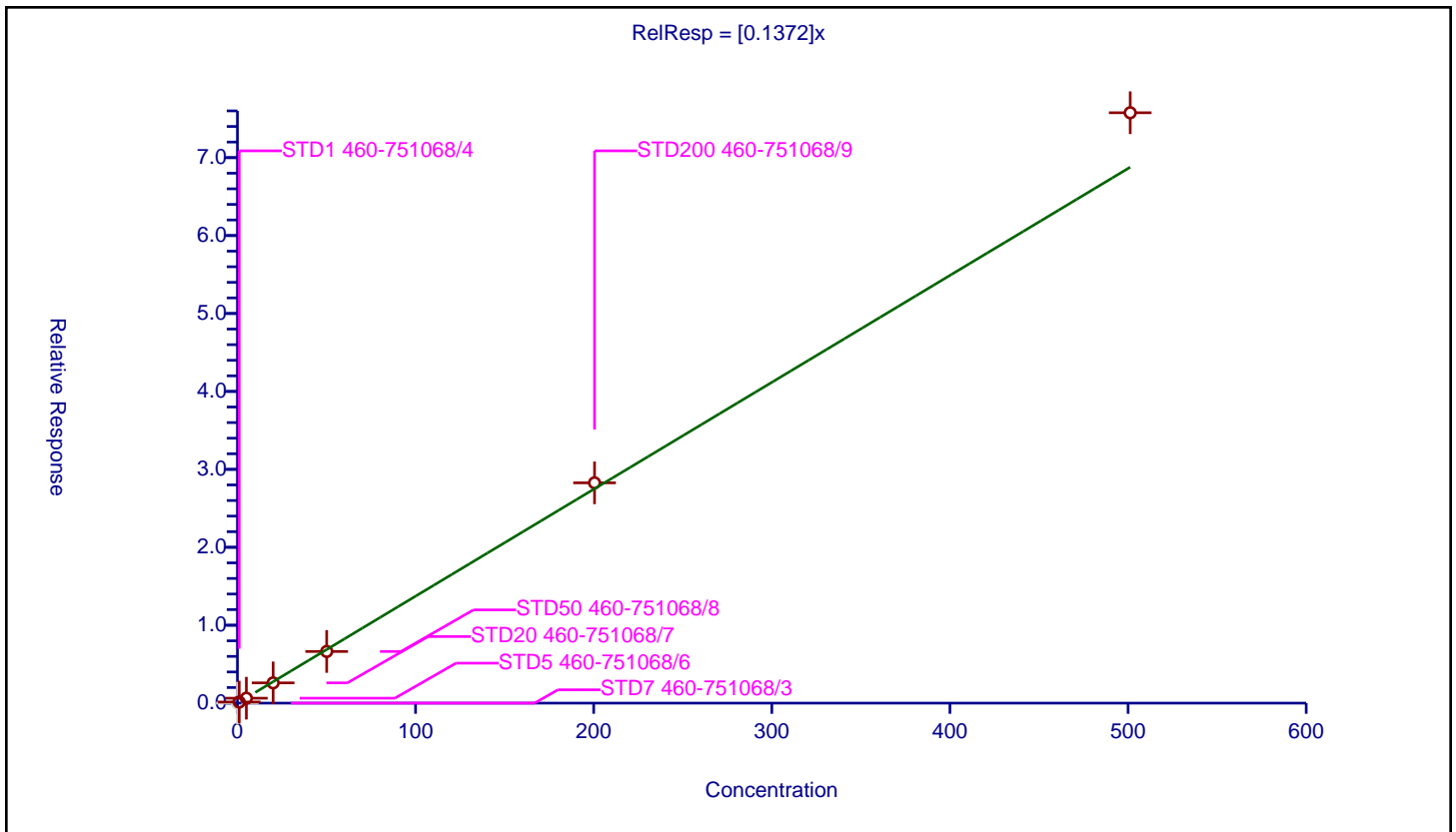
/ 2-Chloroethyl vinyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1372

Error Coefficients	
Standard Error:	544000
Relative Standard Error:	6.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	611799.0	NaN	N
2	STD1 460-751068/4	1.0024	0.142857	50.0	560352.0	0.142515	Y
3	STD5 460-751068/6	5.012	0.635121	50.0	543125.0	0.12672	Y
4	STD20 460-751068/7	20.048	2.599846	50.0	580419.0	0.129681	Y
5	STD50 460-751068/8	50.12	6.627977	50.0	644186.0	0.132242	Y
6	STD200 460-751068/9	200.48	28.270362	50.0	668932.0	0.141013	Y
7	STD500 460-751068/10	501.2	75.759933	50.0	760330.0	0.151157	Y



Calibration

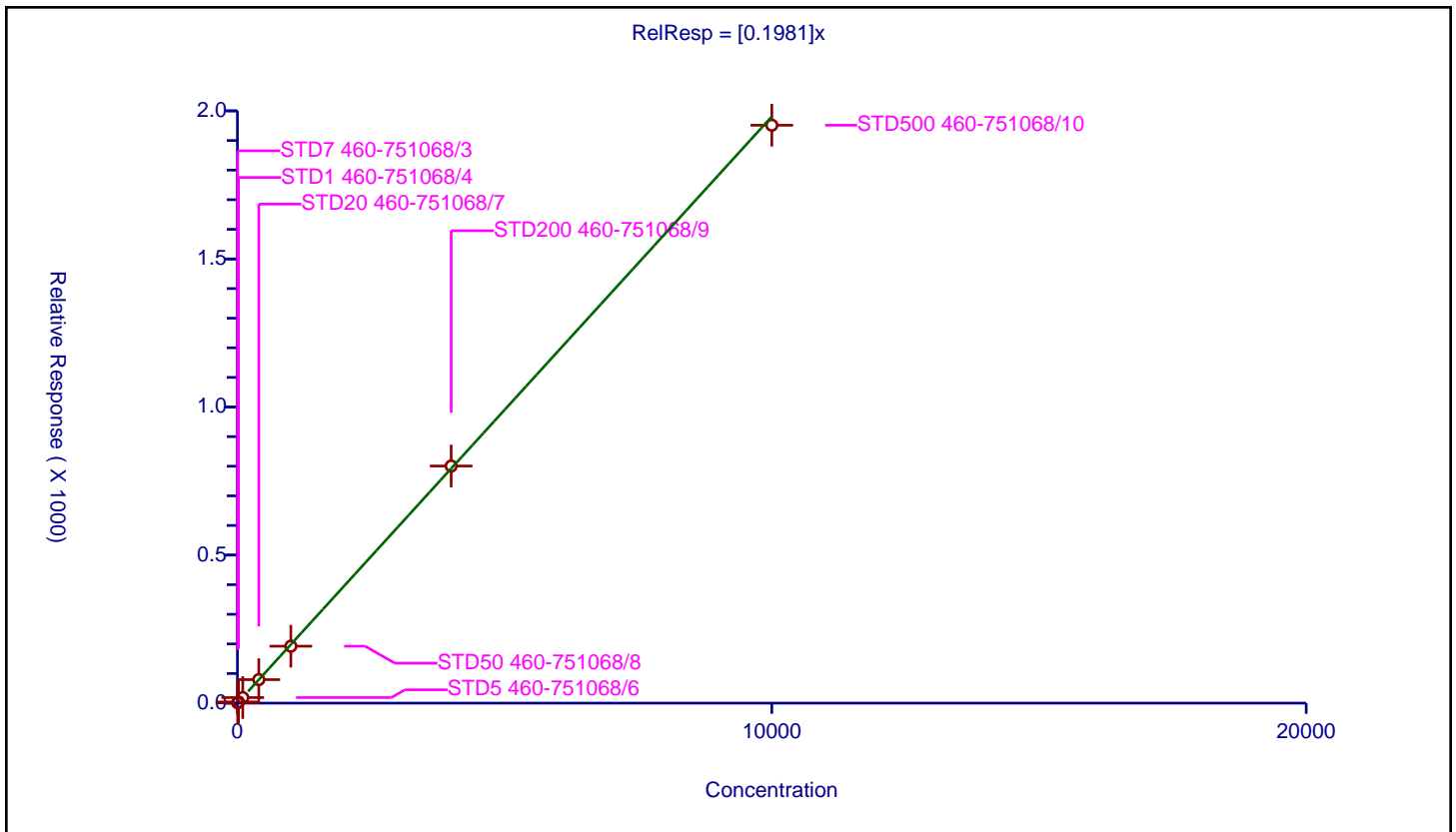
/ Epichlorohydrin

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1981

Error Coefficients	
Standard Error:	1700000
Relative Standard Error:	4.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	5.000009	1.068019	250.0	356267.0	0.213603	Y
2	STD1 460-751068/4	20.000035	3.986895	250.0	327824.0	0.199344	Y
3	STD5 460-751068/6	100.000173	18.752426	250.0	324598.0	0.187524	Y
4	STD20 460-751068/7	400.000692	79.413899	250.0	333509.0	0.198534	Y
5	STD50 460-751068/8	1000.00173	192.263833	250.0	388041.0	0.192264	Y
6	STD200 460-751068/9	4000.00692	800.751562	250.0	414071.0	0.200188	Y
7	STD500 460-751068/10	10000.0173	1951.481791	250.0	505537.0	0.195148	Y



Calibration

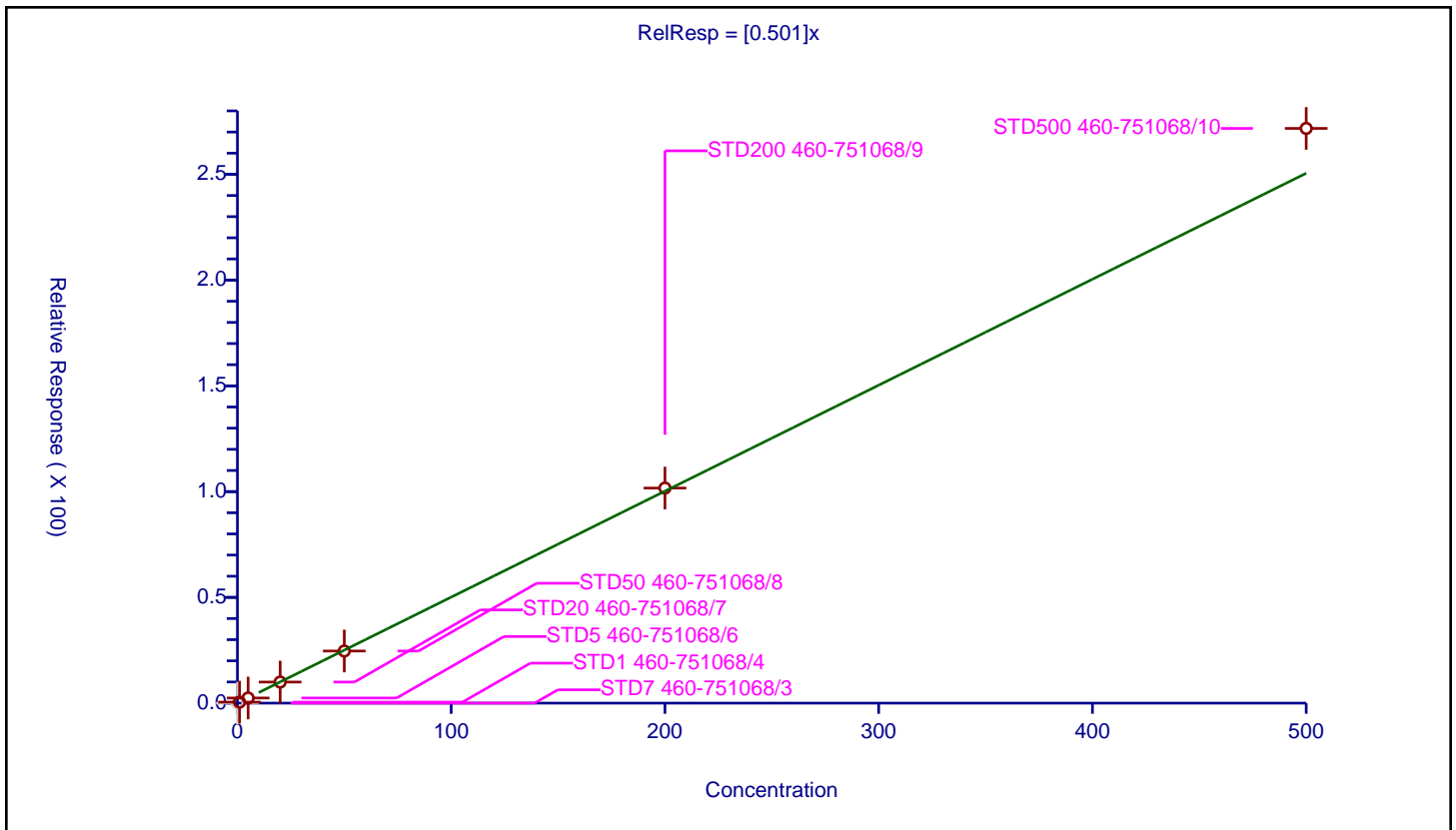
/ cis-1,3-Dichloropropene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.501

Error Coefficients	
Standard Error:	1440000
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 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.477671	50.0	406242.0	0.477671	Y
3	STD5 460-751068/6	5.0	2.427708	50.0	402602.0	0.485542	Y
4	STD20 460-751068/7	20.0	9.97017	50.0	409316.0	0.498508	Y
5	STD50 460-751068/8	50.0	24.637884	50.0	472500.0	0.492758	Y
6	STD200 460-751068/9	200.0	101.669174	50.0	504561.0	0.508346	Y
7	STD500 460-751068/10	500.0	271.711949	50.0	561366.0	0.543424	Y



**Calibration**

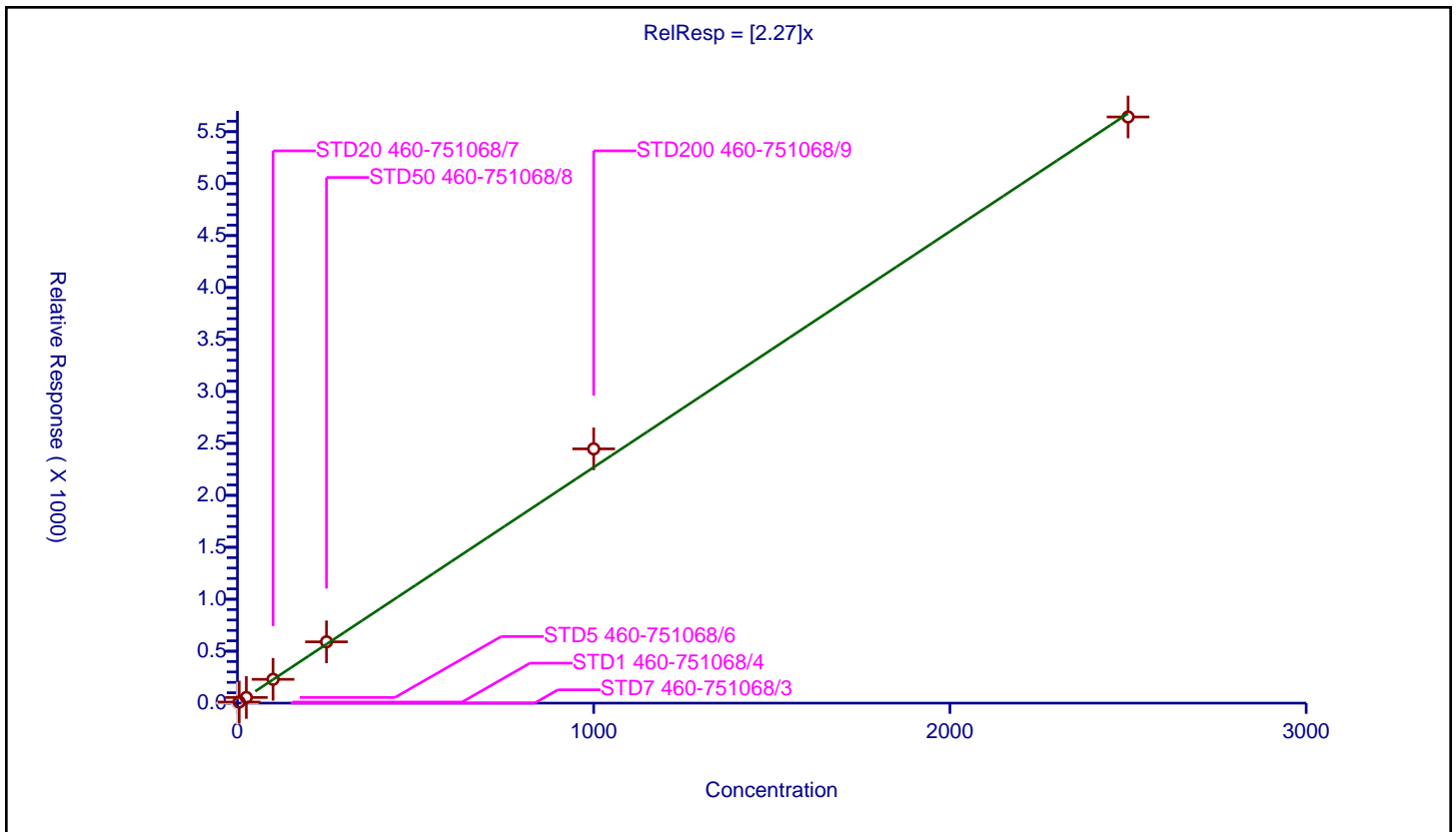
**/ 4-Methyl-2-pentanone (MIBK)**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** ISTD  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	2.27

Error Coefficients	
Standard Error:	5430000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	250.0	356267.0	NaN	N
2	STD1 460-751068/4	5.0	10.434715	250.0	327824.0	2.086943	Y
3	STD5 460-751068/6	25.0	54.478155	250.0	324598.0	2.179126	Y
4	STD20 460-751068/7	100.0	229.08977	250.0	333509.0	2.290898	Y
5	STD50 460-751068/8	250.0	589.833291	250.0	388041.0	2.359333	Y
6	STD200 460-751068/9	1000.0	2447.157009	250.0	414071.0	2.447157	Y
7	STD500 460-751068/10	2500.0	5641.596461	250.0	505537.0	2.256639	Y



**Calibration**

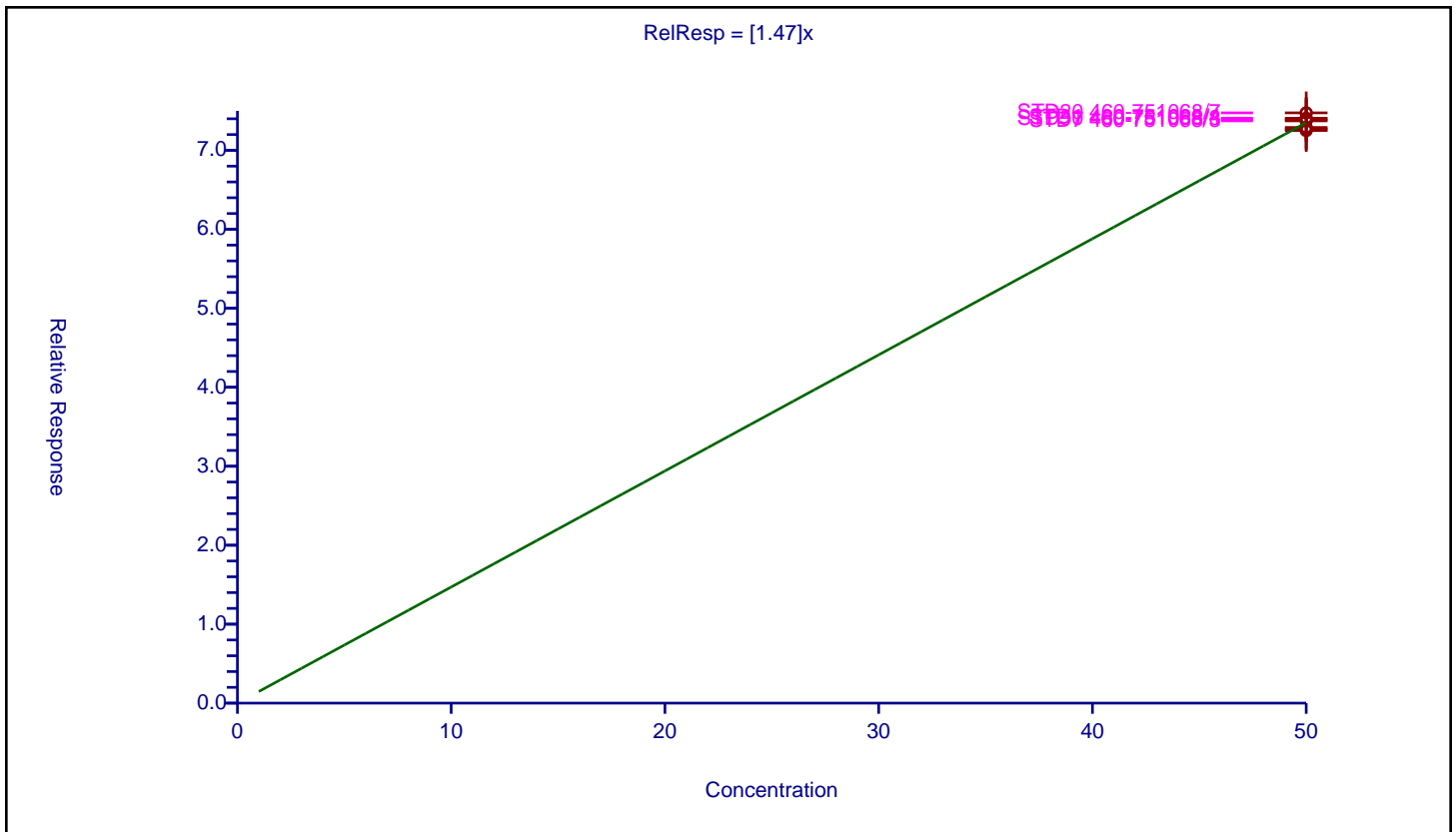
/ Toluene-d8 (Surr)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.47

Error Coefficients	
Standard Error:	728000
Relative Standard Error:	1.1
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	50.0	73.739857	50.0	433562.0	1.474797	Y
2	STD1 460-751068/4	50.0	74.073828	50.0	406242.0	1.481477	Y
3	STD5 460-751068/6	50.0	72.898669	50.0	402602.0	1.457973	Y
4	STD20 460-751068/7	50.0	74.750315	50.0	409316.0	1.495006	Y
5	STD50 460-751068/8	50.0	73.909735	50.0	472500.0	1.478195	Y
6	STD200 460-751068/9	50.0	72.679517	50.0	504561.0	1.45359	Y
7	STD500 460-751068/10	50.0	72.513209	50.0	561366.0	1.450264	Y



Calibration

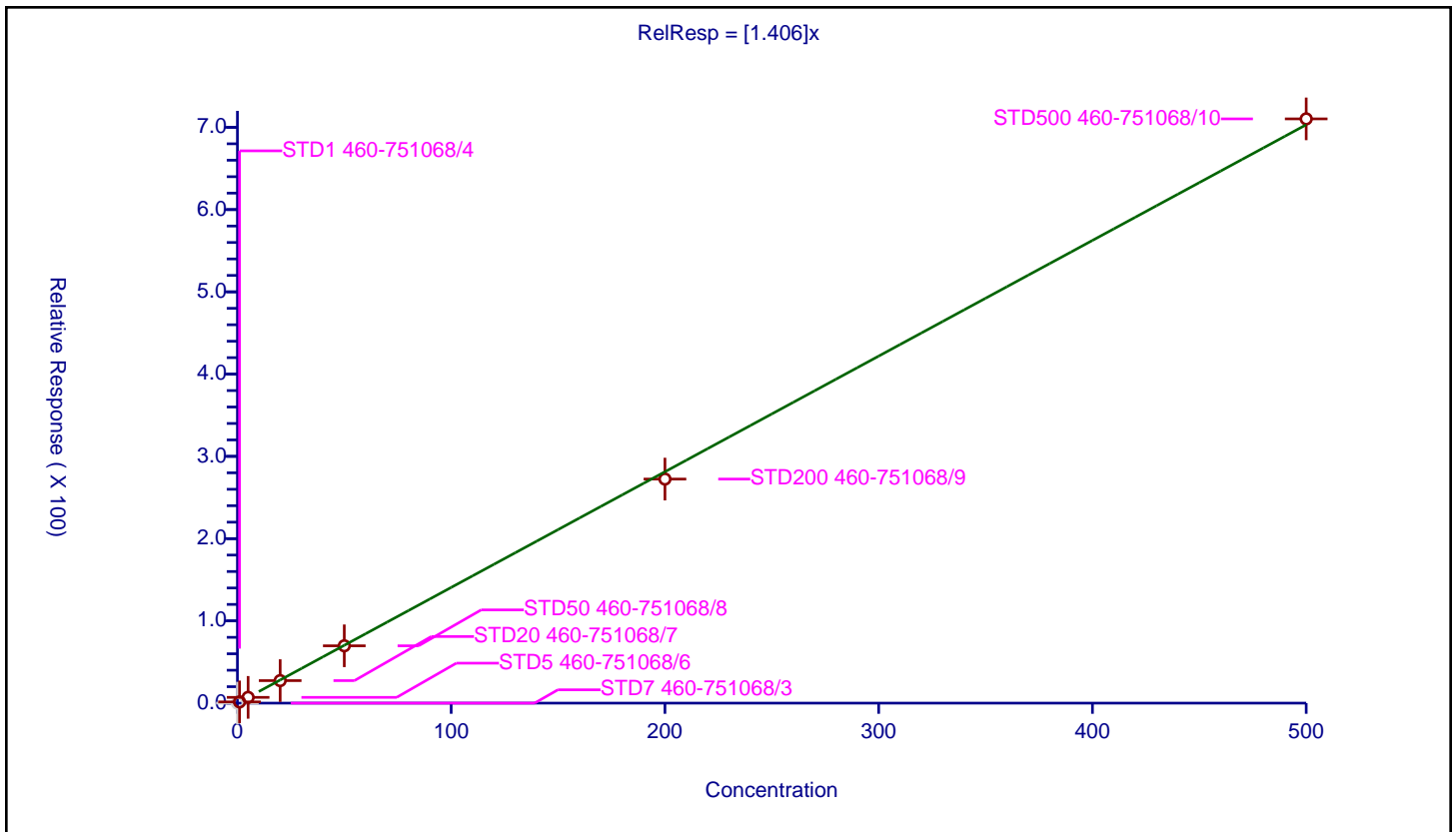
/ Toluene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.406

Error Coefficients	
Standard Error:	3780000
Relative Standard Error:	3.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	1.491352	50.0	406242.0	1.491352	Y
3	STD5 460-751068/6	5.0	7.008659	50.0	402602.0	1.401732	Y
4	STD20 460-751068/7	20.0	27.366631	50.0	409316.0	1.368332	Y
5	STD50 460-751068/8	50.0	69.698095	50.0	472500.0	1.393962	Y
6	STD200 460-751068/9	200.0	272.399076	50.0	504561.0	1.361995	Y
7	STD500 460-751068/10	500.0	710.280548	50.0	561366.0	1.420561	Y



Calibration

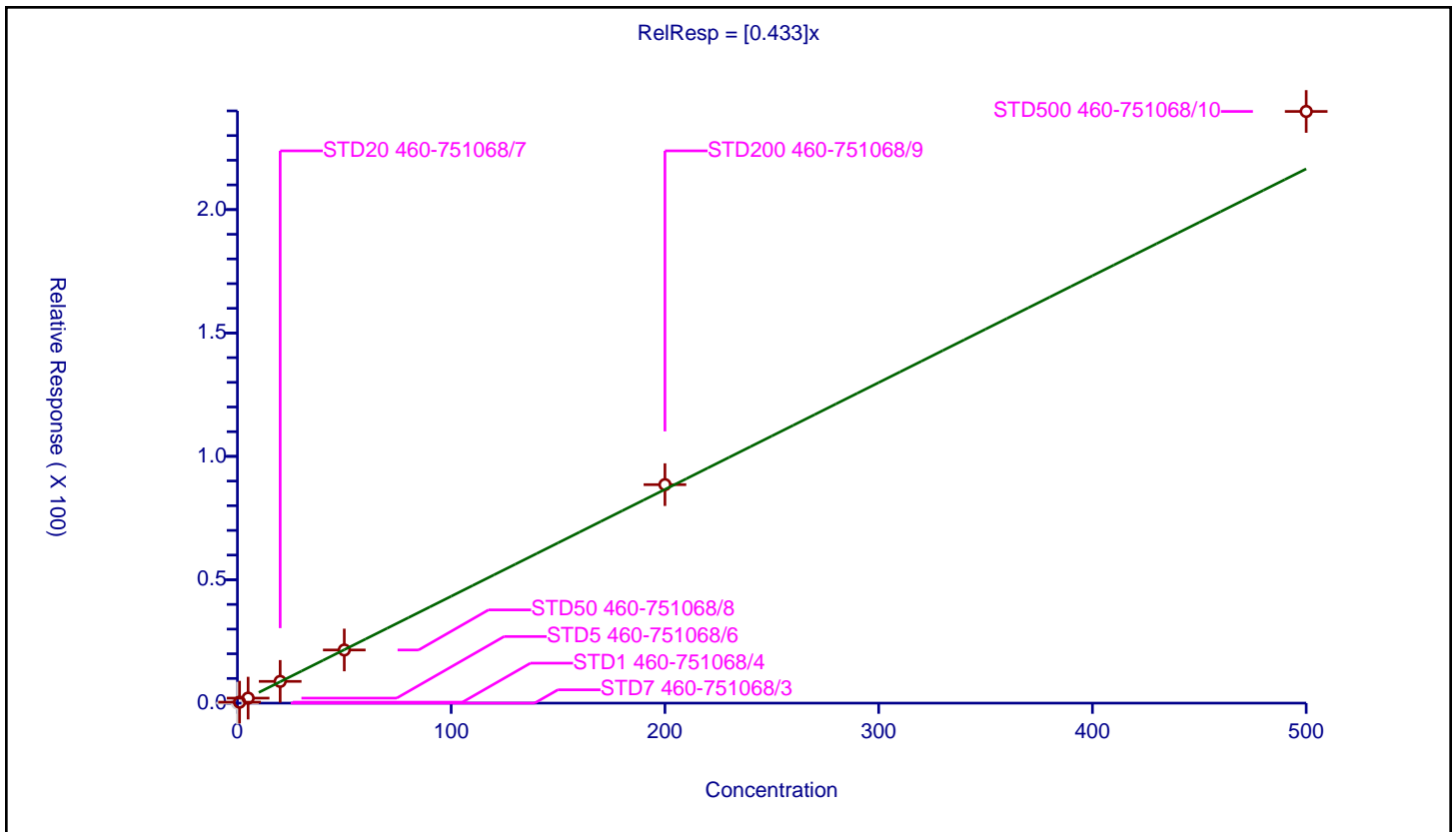
/ trans-1,3-Dichloropropene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.433

Error Coefficients	
Standard Error:	1270000
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 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.397177	50.0	406242.0	0.397177	Y
3	STD5 460-751068/6	5.0	2.036751	50.0	402602.0	0.40735	Y
4	STD20 460-751068/7	20.0	8.811407	50.0	409316.0	0.44057	Y
5	STD50 460-751068/8	50.0	21.533439	50.0	472500.0	0.430669	Y
6	STD200 460-751068/9	200.0	88.539443	50.0	504561.0	0.442697	Y
7	STD500 460-751068/10	500.0	239.770399	50.0	561366.0	0.479541	Y





**Calibration**

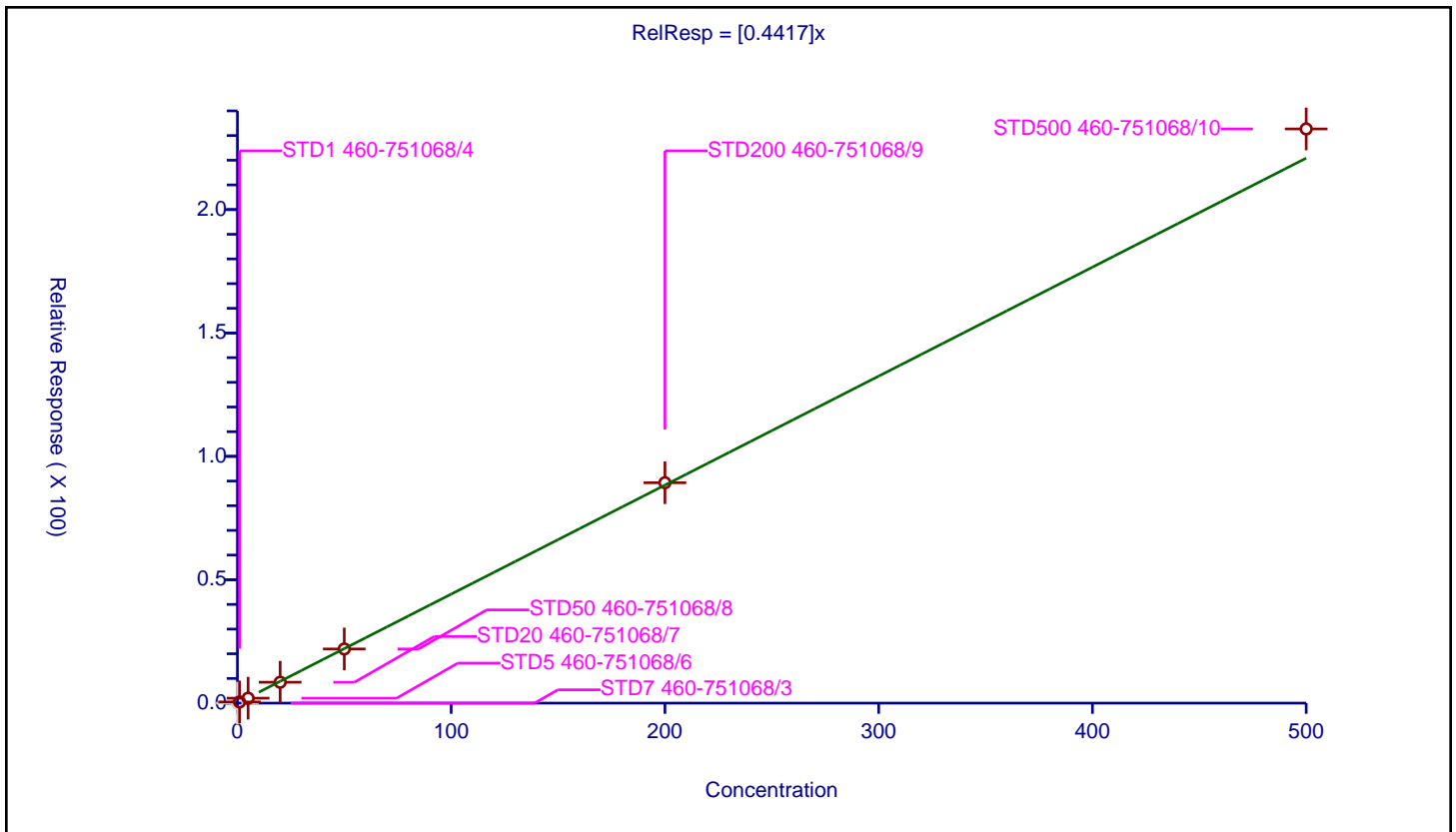
/ Ethyl methacrylate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4417

Error Coefficients	
Standard Error:	1240000
Relative Standard Error:	6.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.475209	50.0	406242.0	0.475209	Y
3	STD5 460-751068/6	5.0	2.004709	50.0	402602.0	0.400942	Y
4	STD20 460-751068/7	20.0	8.462044	50.0	409316.0	0.423102	Y
5	STD50 460-751068/8	50.0	21.952804	50.0	472500.0	0.439056	Y
6	STD200 460-751068/9	200.0	89.313086	50.0	504561.0	0.446565	Y
7	STD500 460-751068/10	500.0	232.679838	50.0	561366.0	0.46536	Y



Calibration

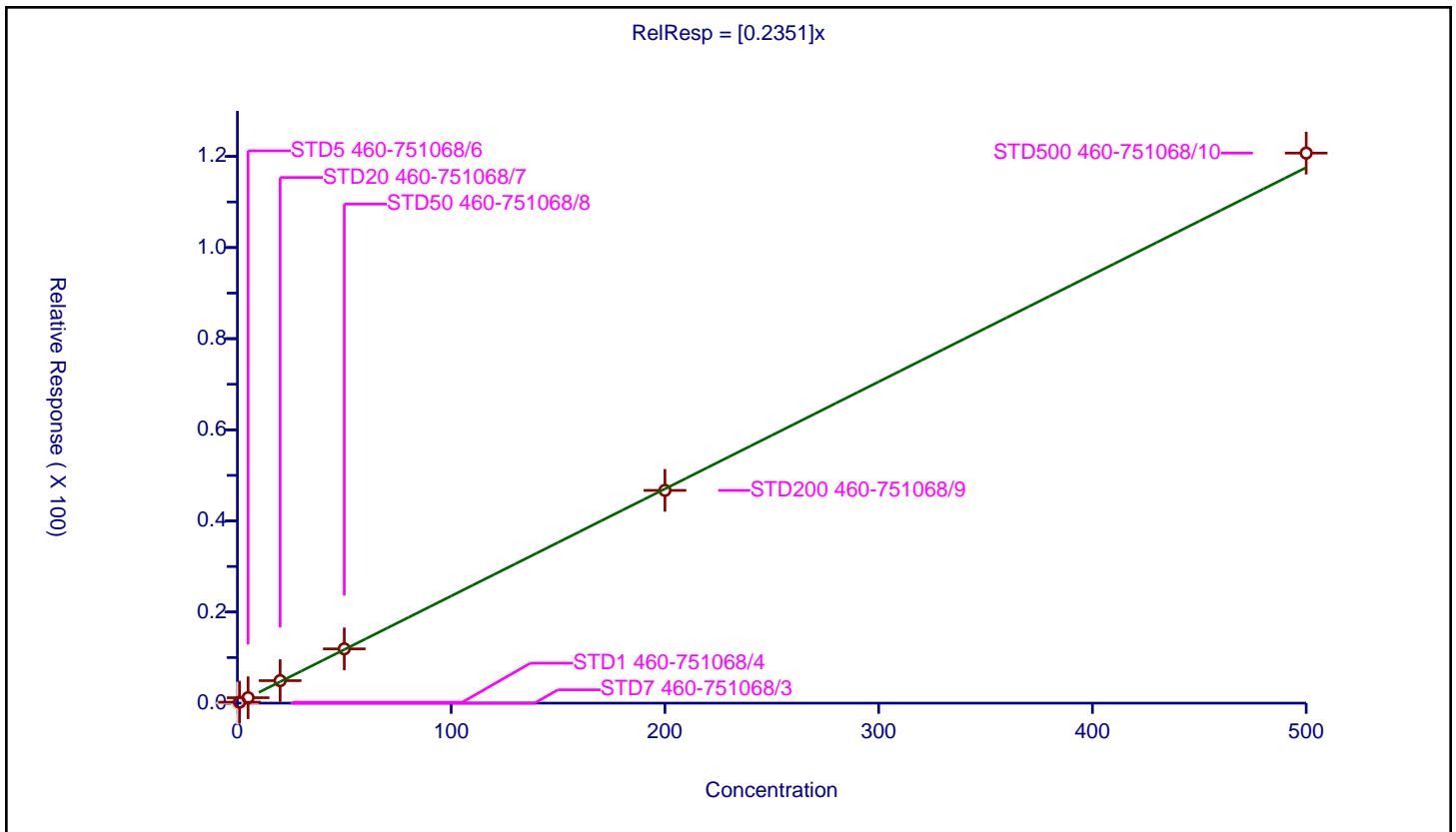
/ 1,1,2-Trichloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2351

Error Coefficients	
Standard Error:	644000
Relative Standard Error:	5.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.212804	50.0	406242.0	0.212804	Y
3	STD5 460-751068/6	5.0	1.189512	50.0	402602.0	0.237902	Y
4	STD20 460-751068/7	20.0	4.93604	50.0	409316.0	0.246802	Y
5	STD50 460-751068/8	50.0	11.914392	50.0	472500.0	0.238288	Y
6	STD200 460-751068/9	200.0	46.698714	50.0	504561.0	0.233494	Y
7	STD500 460-751068/10	500.0	120.735581	50.0	561366.0	0.241471	Y



Calibration

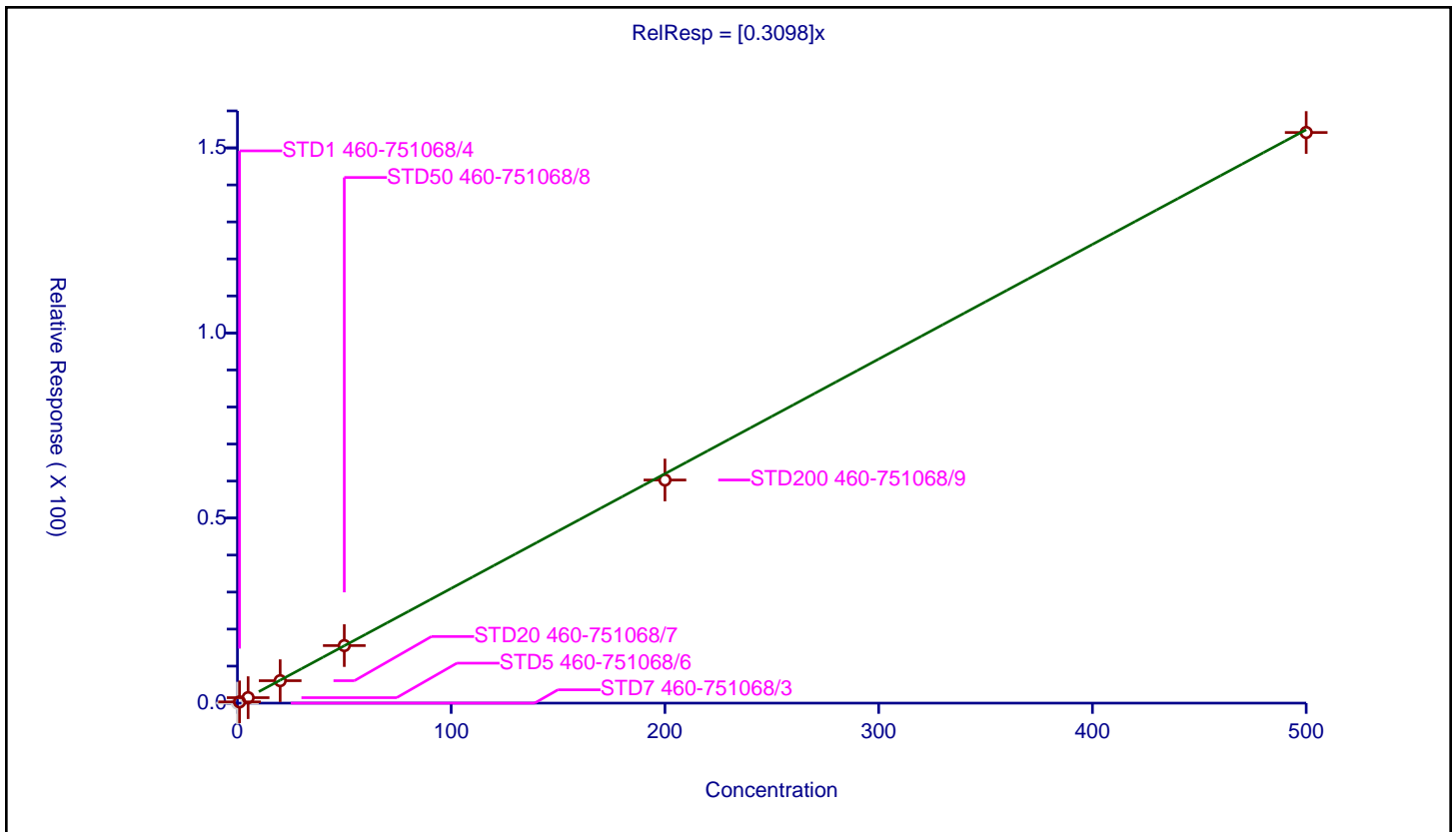
/ Tetrachloroethene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3098

Error Coefficients	
Standard Error:	823000
Relative Standard Error:	5.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.340068	50.0	406242.0	0.340068	Y
3	STD5 460-751068/6	5.0	1.476272	50.0	402602.0	0.295254	Y
4	STD20 460-751068/7	20.0	6.062065	50.0	409316.0	0.303103	Y
5	STD50 460-751068/8	50.0	15.544233	50.0	472500.0	0.310885	Y
6	STD200 460-751068/9	200.0	60.278242	50.0	504561.0	0.301391	Y
7	STD500 460-751068/10	500.0	154.167869	50.0	561366.0	0.308336	Y



Calibration

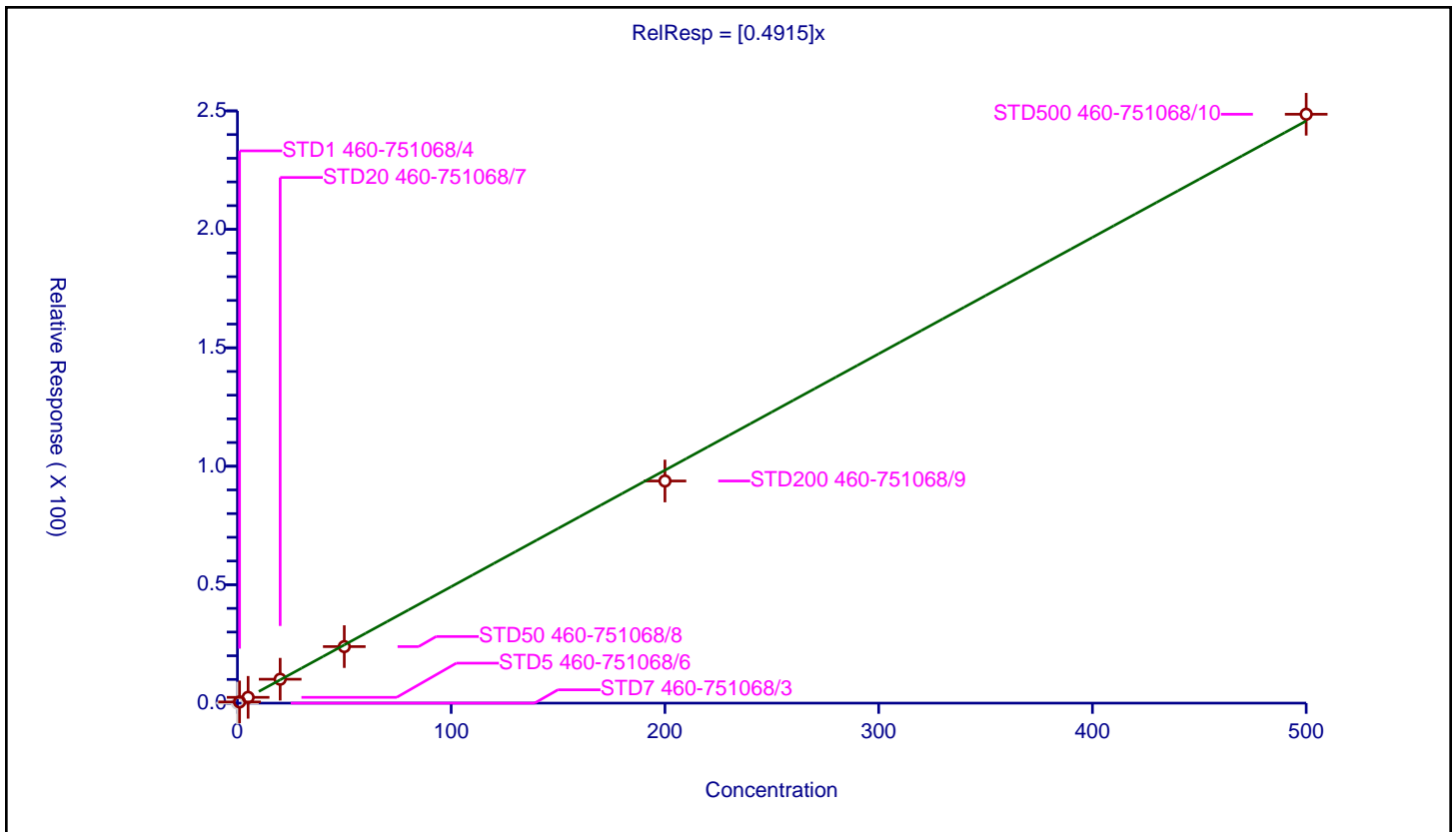
/ 1,3-Dichloropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4915

Error Coefficients	
Standard Error:	1320000
Relative Standard Error:	3.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.513487	50.0	406242.0	0.513487	Y
3	STD5 460-751068/6	5.0	2.440127	50.0	402602.0	0.488025	Y
4	STD20 460-751068/7	20.0	10.088904	50.0	409316.0	0.504445	Y
5	STD50 460-751068/8	50.0	23.861799	50.0	472500.0	0.477236	Y
6	STD200 460-751068/9	200.0	93.769832	50.0	504561.0	0.468849	Y
7	STD500 460-751068/10	500.0	248.579536	50.0	561366.0	0.497159	Y



**Calibration**

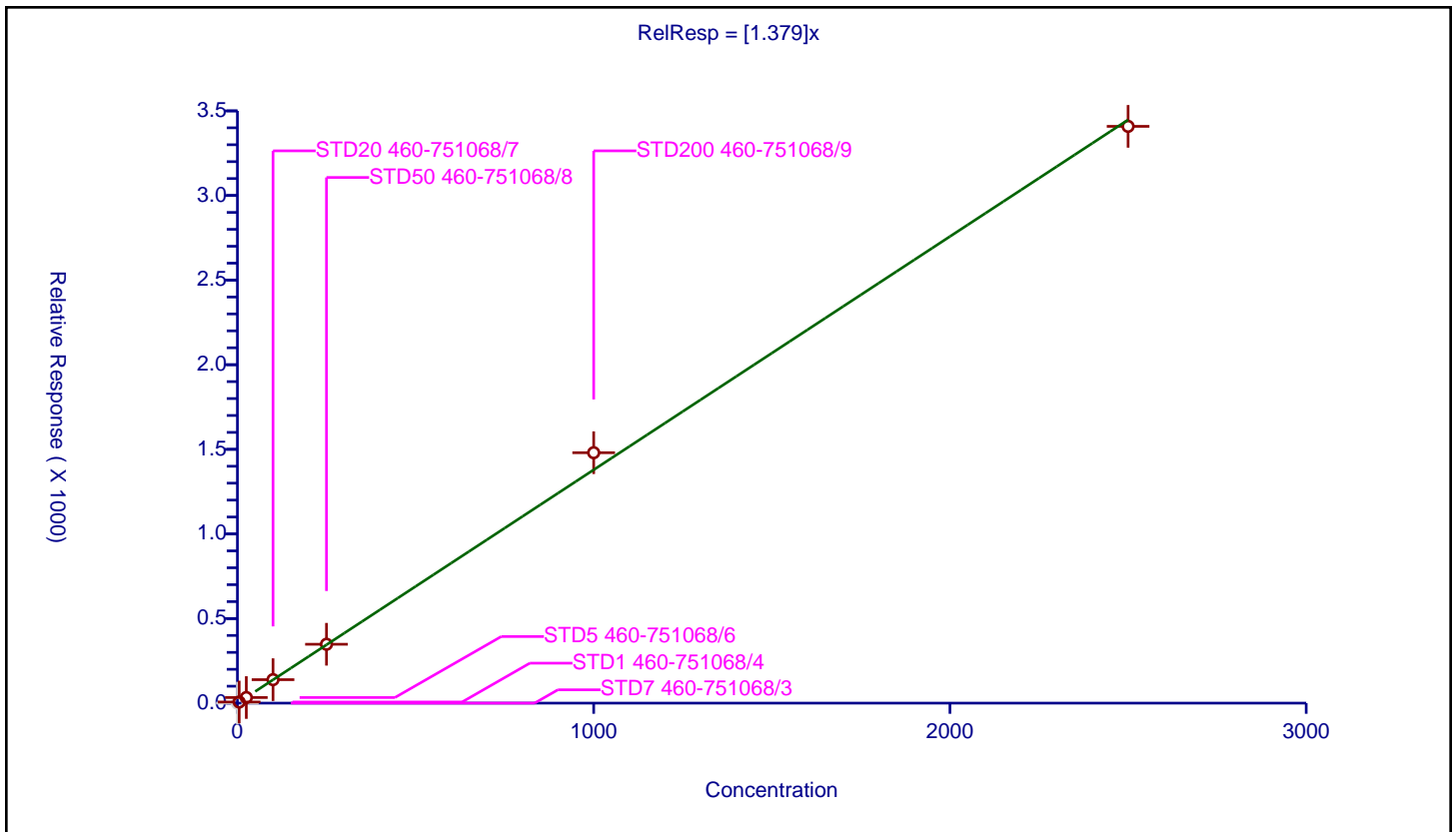
**/ 2-Hexanone**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.379

Error Coefficients	
Standard Error:	3280000
Relative Standard Error:	4.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	250.0	356267.0	NaN	N
2	STD1 460-751068/4	5.0	6.636945	250.0	327824.0	1.327389	Y
3	STD5 460-751068/6	25.0	33.090931	250.0	324598.0	1.323637	Y
4	STD20 460-751068/7	100.0	138.717396	250.0	333509.0	1.387174	Y
5	STD50 460-751068/8	250.0	347.858216	250.0	388041.0	1.391433	Y
6	STD200 460-751068/9	1000.0	1479.882073	250.0	414071.0	1.479882	Y
7	STD500 460-751068/10	2500.0	3408.495817	250.0	505537.0	1.363398	Y



**Calibration**

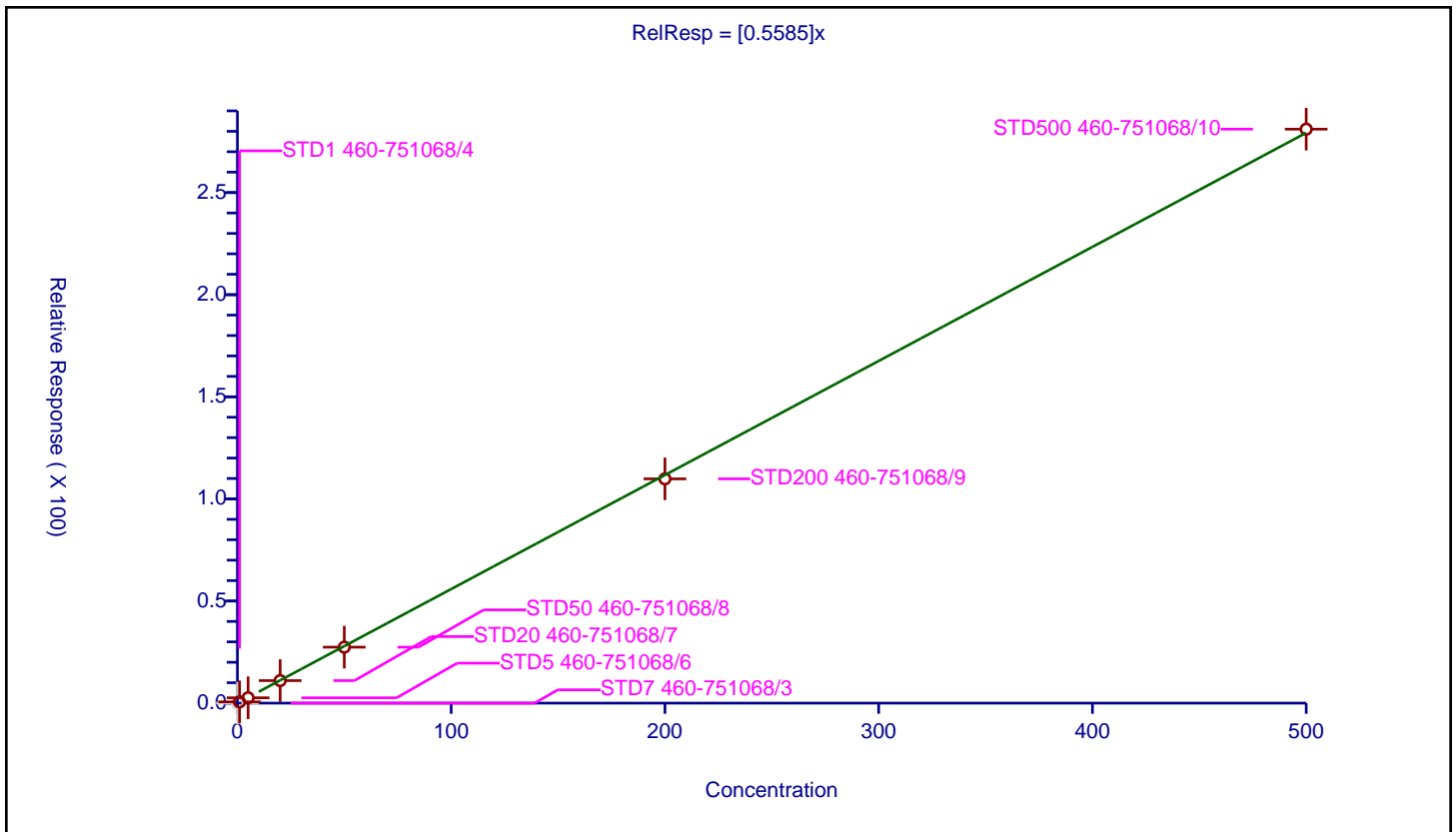
/ n-Butyl acetate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5585

Error Coefficients	
Standard Error:	1500000
Relative Standard Error:	5.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.618597	50.0	406242.0	0.618597	Y
3	STD5 460-751068/6	5.0	2.610394	50.0	402602.0	0.522079	Y
4	STD20 460-751068/7	20.0	11.022535	50.0	409316.0	0.551127	Y
5	STD50 460-751068/8	50.0	27.404127	50.0	472500.0	0.548083	Y
6	STD200 460-751068/9	200.0	109.819031	50.0	504561.0	0.549095	Y
7	STD500 460-751068/10	500.0	281.050865	50.0	561366.0	0.562102	Y



**Calibration**

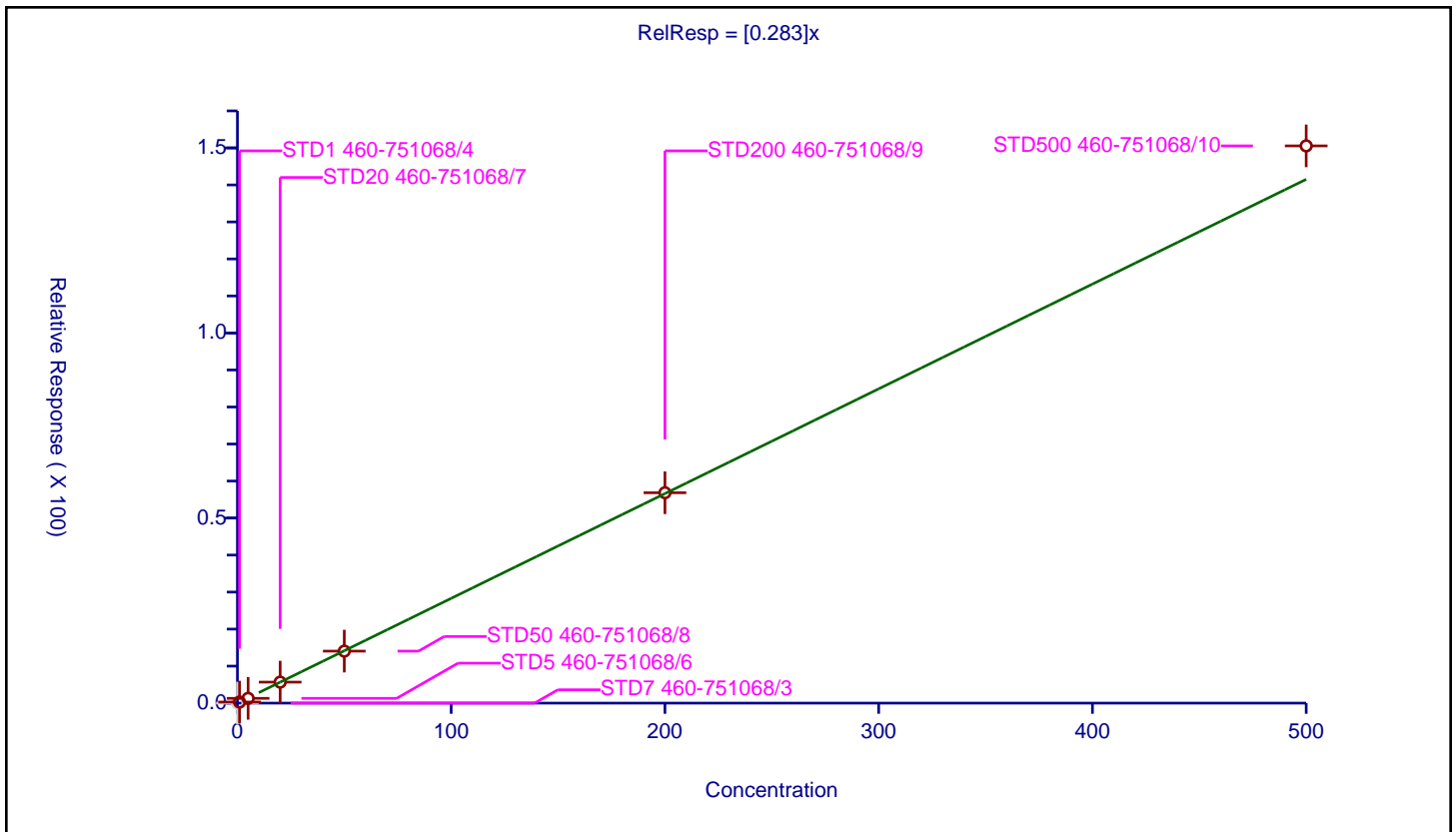
/ Chlorodibromomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.283

Error Coefficients	
Standard Error:	801000
Relative Standard Error:	5.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.290344	50.0	406242.0	0.290344	Y
3	STD5 460-751068/6	5.0	1.290108	50.0	402602.0	0.258022	Y
4	STD20 460-751068/7	20.0	5.671046	50.0	409316.0	0.283552	Y
5	STD50 460-751068/8	50.0	14.045397	50.0	472500.0	0.280908	Y
6	STD200 460-751068/9	200.0	56.838717	50.0	504561.0	0.284194	Y
7	STD500 460-751068/10	500.0	150.547058	50.0	561366.0	0.301094	Y



Calibration

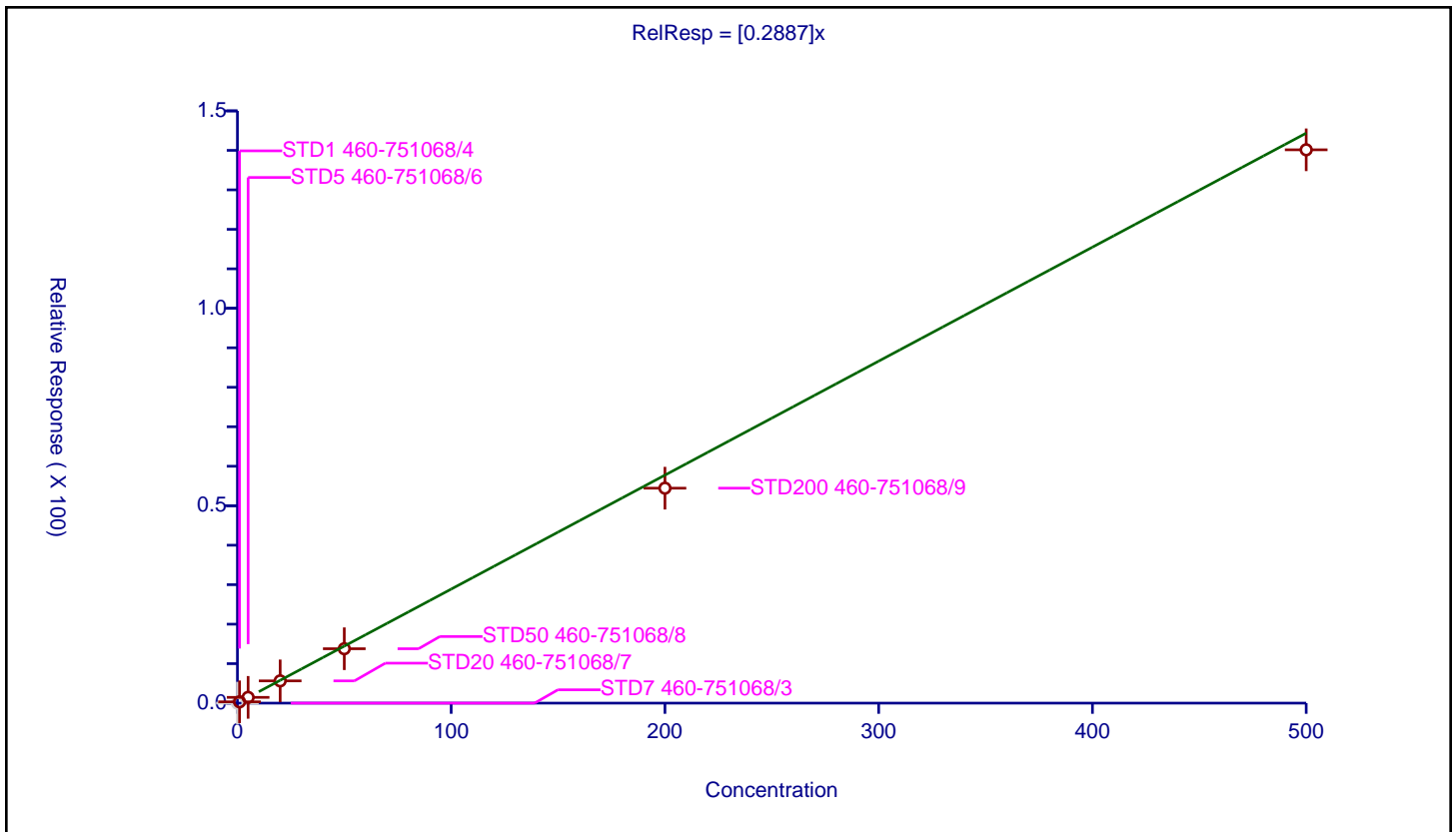
/ Ethylene Dibromide

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2887

Error Coefficients	
Standard Error:	748000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.33096	50.0	406242.0	0.33096	Y
3	STD5 460-751068/6	5.0	1.457146	50.0	402602.0	0.291429	Y
4	STD20 460-751068/7	20.0	5.63782	50.0	409316.0	0.281891	Y
5	STD50 460-751068/8	50.0	13.776614	50.0	472500.0	0.275532	Y
6	STD200 460-751068/9	200.0	54.442575	50.0	504561.0	0.272213	Y
7	STD500 460-751068/10	500.0	140.141548	50.0	561366.0	0.280283	Y





Calibration

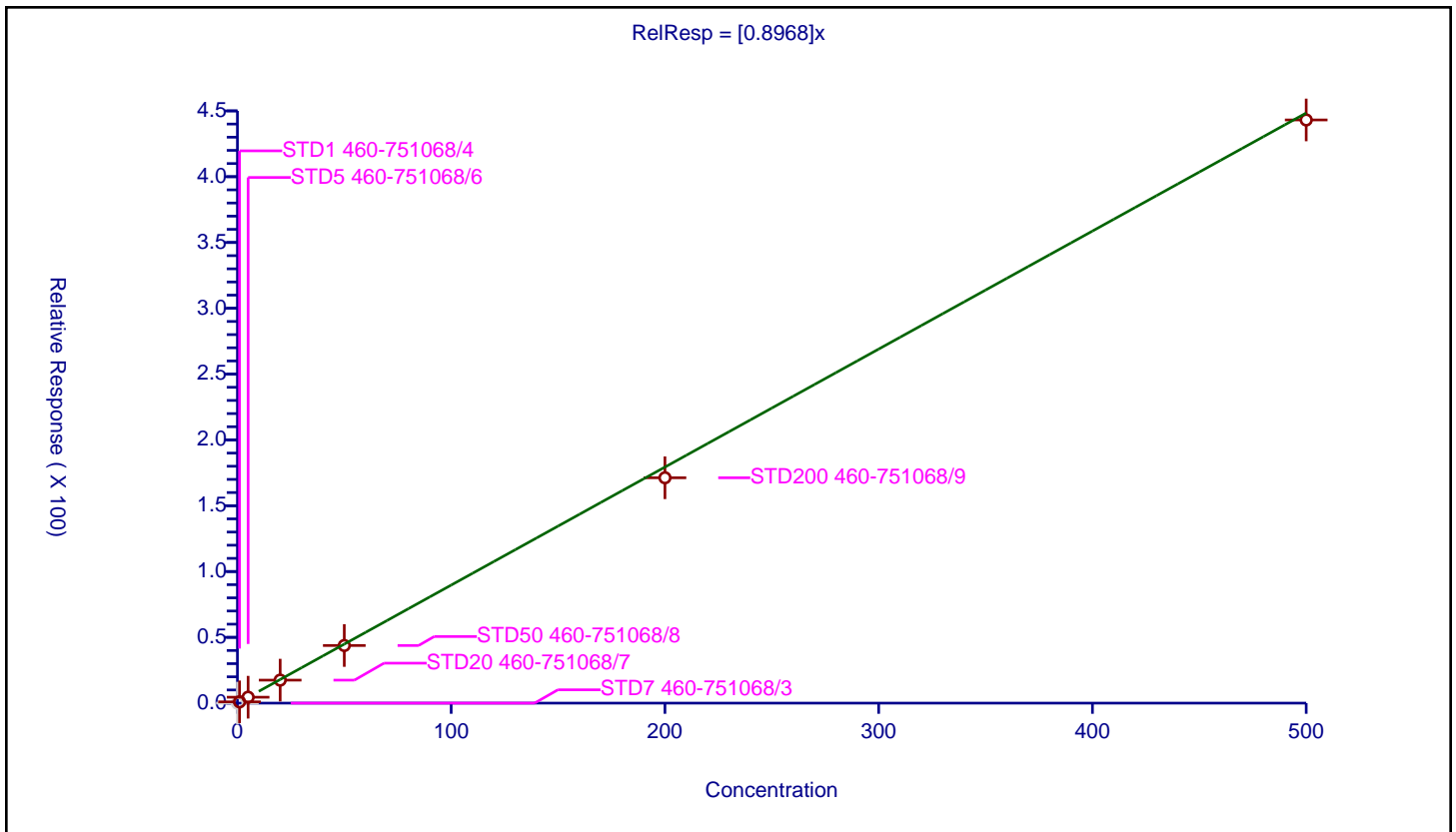
/ Chlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8968

Error Coefficients	
Standard Error:	2360000
Relative Standard Error:	5.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.987343	50.0	406242.0	0.987343	Y
3	STD5 460-751068/6	5.0	4.50507	50.0	402602.0	0.901014	Y
4	STD20 460-751068/7	20.0	17.479283	50.0	409316.0	0.873964	Y
5	STD50 460-751068/8	50.0	43.788995	50.0	472500.0	0.87578	Y
6	STD200 460-751068/9	200.0	171.234994	50.0	504561.0	0.856175	Y
7	STD500 460-751068/10	500.0	443.113406	50.0	561366.0	0.886227	Y



Calibration

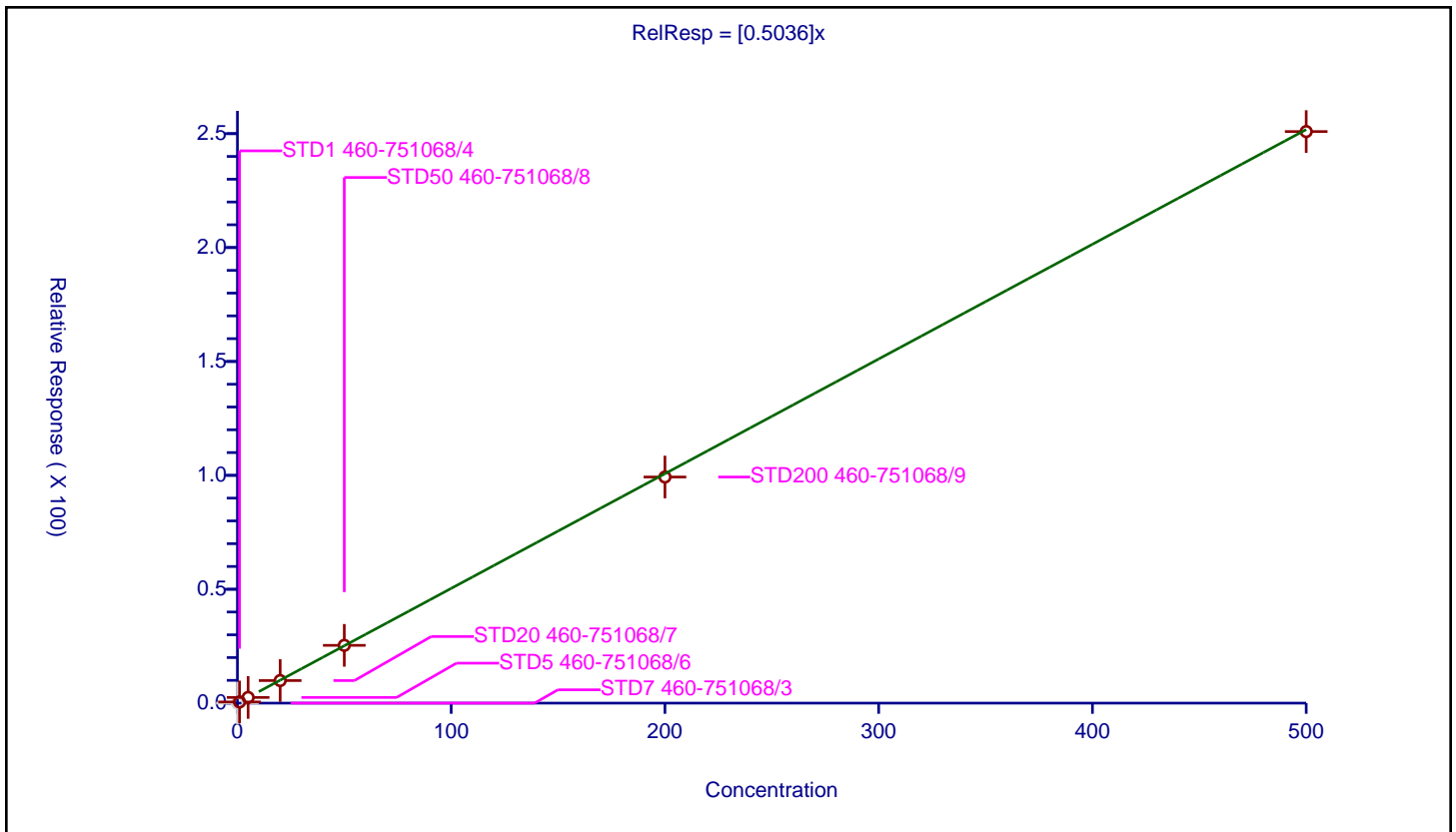
/ Ethylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5036

Error Coefficients	
Standard Error:	1340000
Relative Standard Error:	2.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.52198	50.0	406242.0	0.52198	Y
3	STD5 460-751068/6	5.0	2.493778	50.0	402602.0	0.498756	Y
4	STD20 460-751068/7	20.0	9.907138	50.0	409316.0	0.495357	Y
5	STD50 460-751068/8	50.0	25.367725	50.0	472500.0	0.507354	Y
6	STD200 460-751068/9	200.0	99.266293	50.0	504561.0	0.496331	Y
7	STD500 460-751068/10	500.0	250.929607	50.0	561366.0	0.501859	Y



**Calibration**

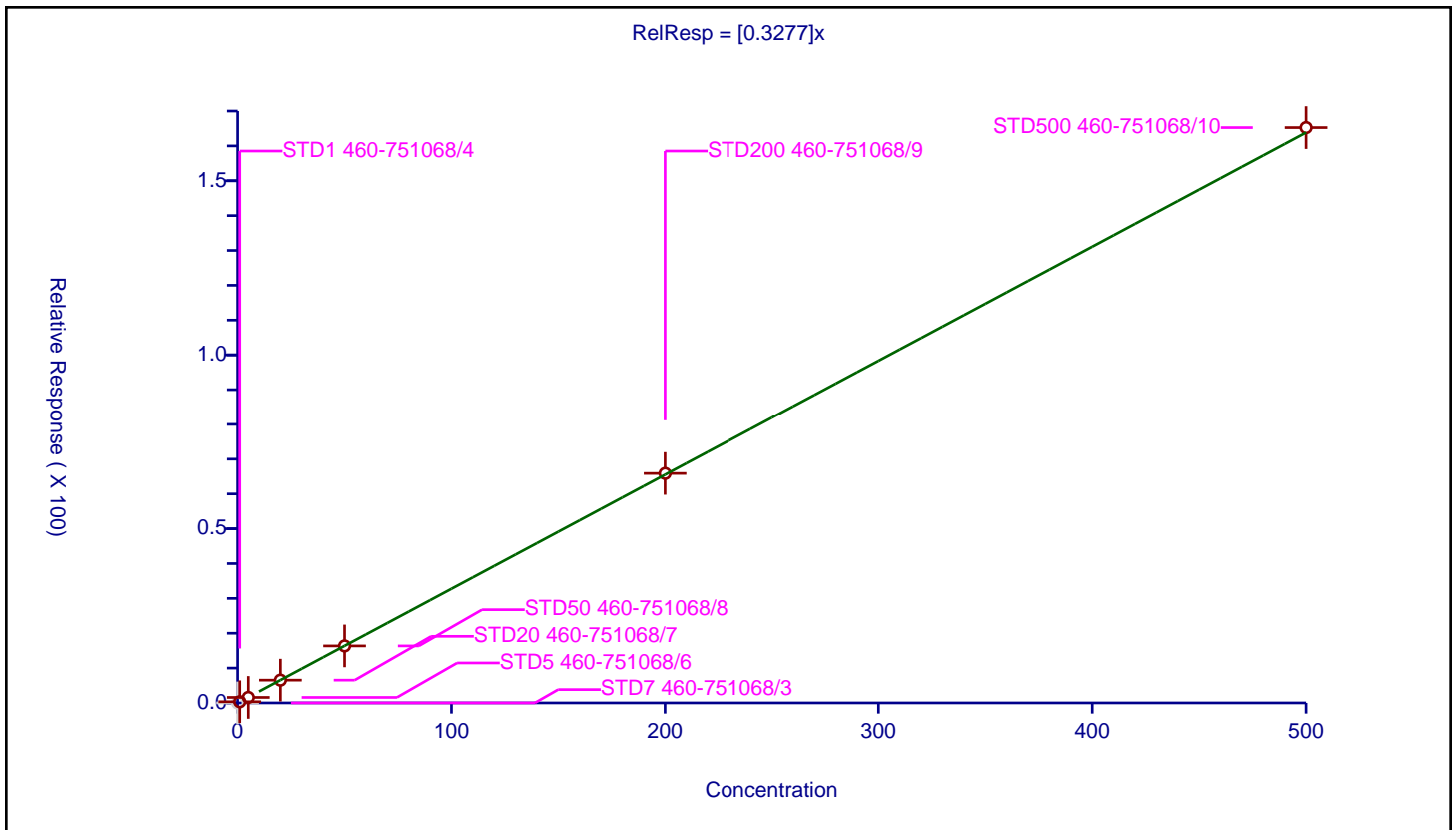
/ 1,1,1,2-Tetrachloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3277

Error Coefficients	
Standard Error:	884000
Relative Standard Error:	2.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.336499	50.0	406242.0	0.336499	Y
3	STD5 460-751068/6	5.0	1.576122	50.0	402602.0	0.315224	Y
4	STD20 460-751068/7	20.0	6.542989	50.0	409316.0	0.327149	Y
5	STD50 460-751068/8	50.0	16.361058	50.0	472500.0	0.327221	Y
6	STD200 460-751068/9	200.0	65.90006	50.0	504561.0	0.3295	Y
7	STD500 460-751068/10	500.0	165.260187	50.0	561366.0	0.33052	Y



Calibration

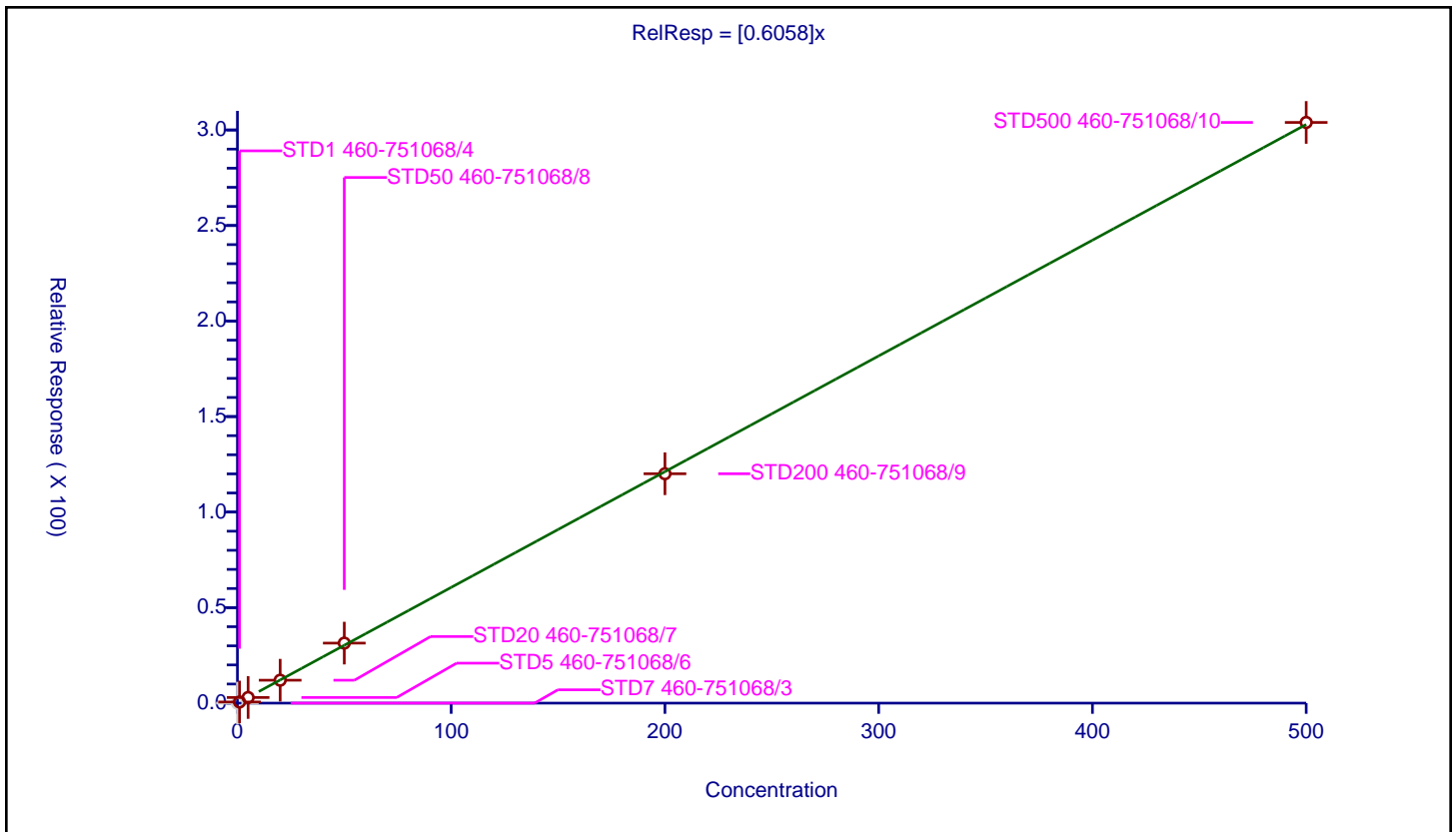
/ m-Xylene & p-Xylene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6058

Error Coefficients	
Standard Error:	1630000
Relative Standard Error:	2.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.609612	50.0	406242.0	0.609612	Y
3	STD5 460-751068/6	5.0	2.94385	50.0	402602.0	0.58877	Y
4	STD20 460-751068/7	20.0	11.996966	50.0	409316.0	0.599848	Y
5	STD50 460-751068/8	50.0	31.415556	50.0	472500.0	0.628311	Y
6	STD200 460-751068/9	200.0	120.068337	50.0	504561.0	0.600342	Y
7	STD500 460-751068/10	500.0	303.944485	50.0	561366.0	0.607889	Y



**Calibration**

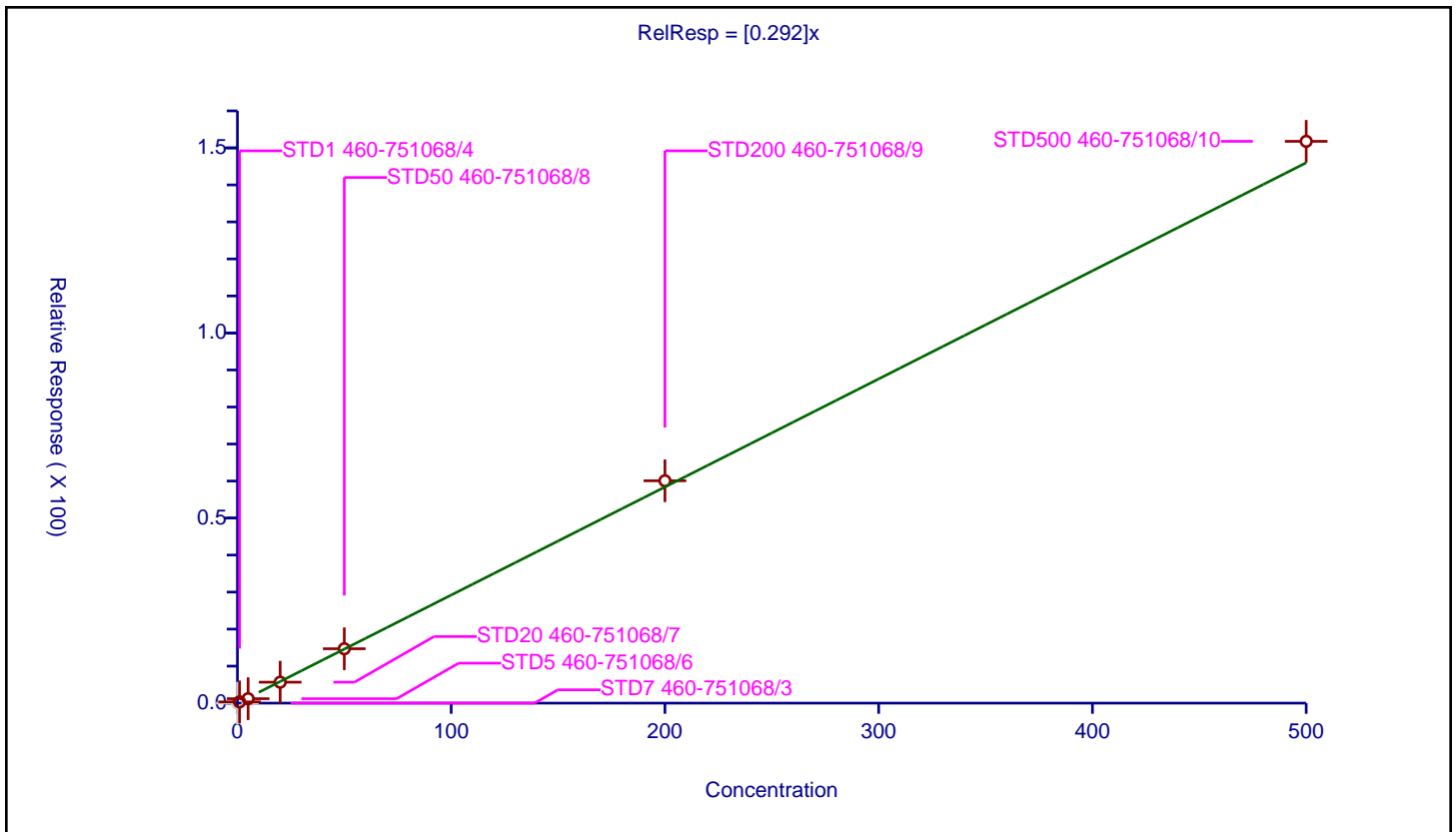
/ n-Butyl acrylate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.292

Error Coefficients	
Standard Error:	811000
Relative Standard Error:	10.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.331207	50.0	406242.0	0.331207	Y
3	STD5 460-751068/6	5.0	1.199944	50.0	402602.0	0.239989	Y
4	STD20 460-751068/7	20.0	5.659442	50.0	409316.0	0.282972	Y
5	STD50 460-751068/8	50.0	14.688889	50.0	472500.0	0.293778	Y
6	STD200 460-751068/9	200.0	60.069149	50.0	504561.0	0.300346	Y
7	STD500 460-751068/10	500.0	151.778697	50.0	561366.0	0.303557	Y



Calibration

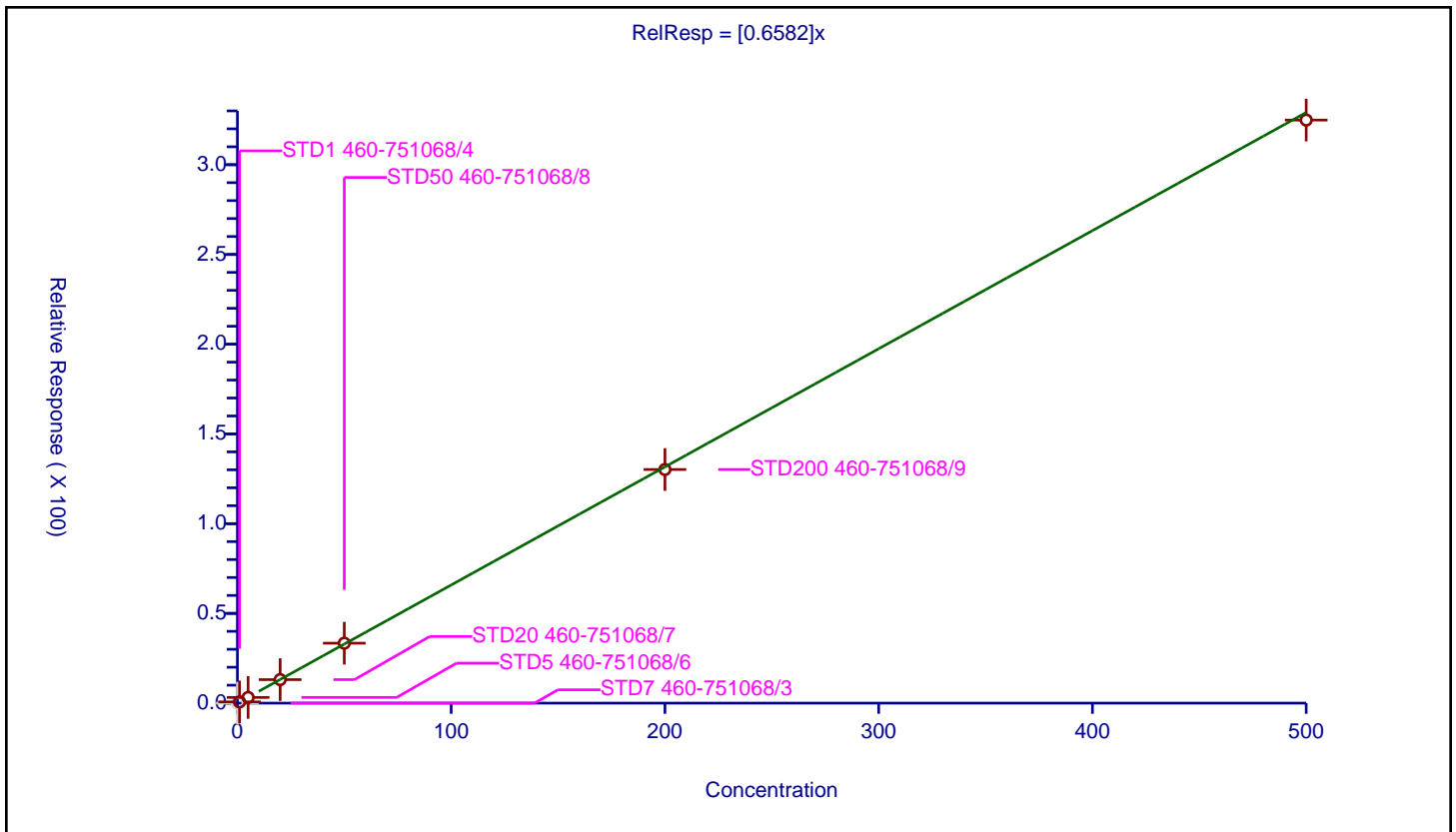
/ o-Xylene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6582

Error Coefficients	
Standard Error:	1740000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.692321	50.0	406242.0	0.692321	Y
3	STD5 460-751068/6	5.0	3.16603	50.0	402602.0	0.633206	Y
4	STD20 460-751068/7	20.0	13.102102	50.0	409316.0	0.655105	Y
5	STD50 460-751068/8	50.0	33.395556	50.0	472500.0	0.667911	Y
6	STD200 460-751068/9	200.0	130.169296	50.0	504561.0	0.650846	Y
7	STD500 460-751068/10	500.0	324.887239	50.0	561366.0	0.649774	Y



Calibration

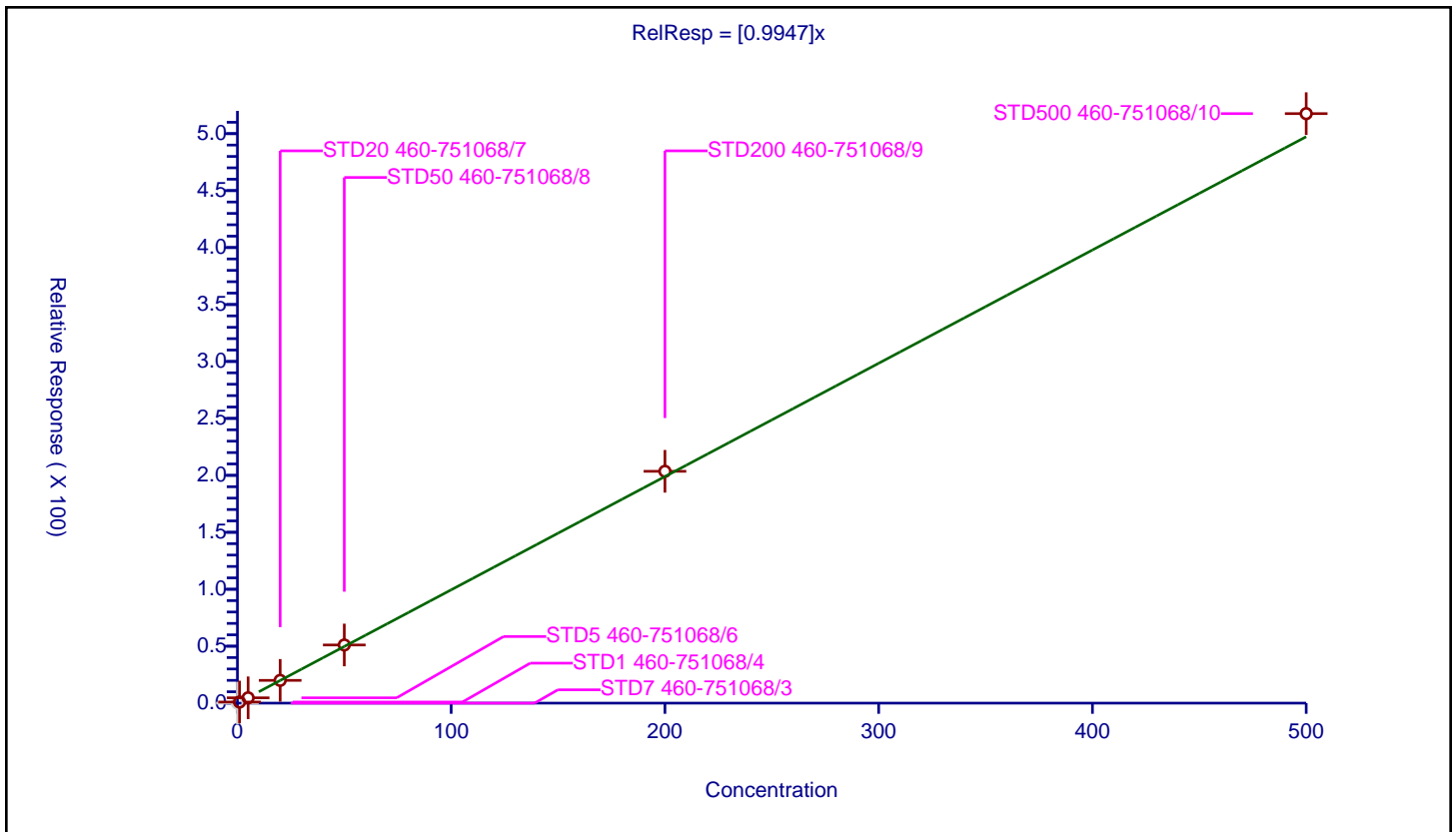
/ Styrene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9947

Error Coefficients	
Standard Error:	2770000
Relative Standard Error:	4.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.962727	50.0	406242.0	0.962727	Y
3	STD5 460-751068/6	5.0	4.661303	50.0	402602.0	0.932261	Y
4	STD20 460-751068/7	20.0	19.972466	50.0	409316.0	0.998623	Y
5	STD50 460-751068/8	50.0	51.071005	50.0	472500.0	1.02142	Y
6	STD200 460-751068/9	200.0	203.542882	50.0	504561.0	1.017714	Y
7	STD500 460-751068/10	500.0	517.58995	50.0	561366.0	1.03518	Y



**Calibration**

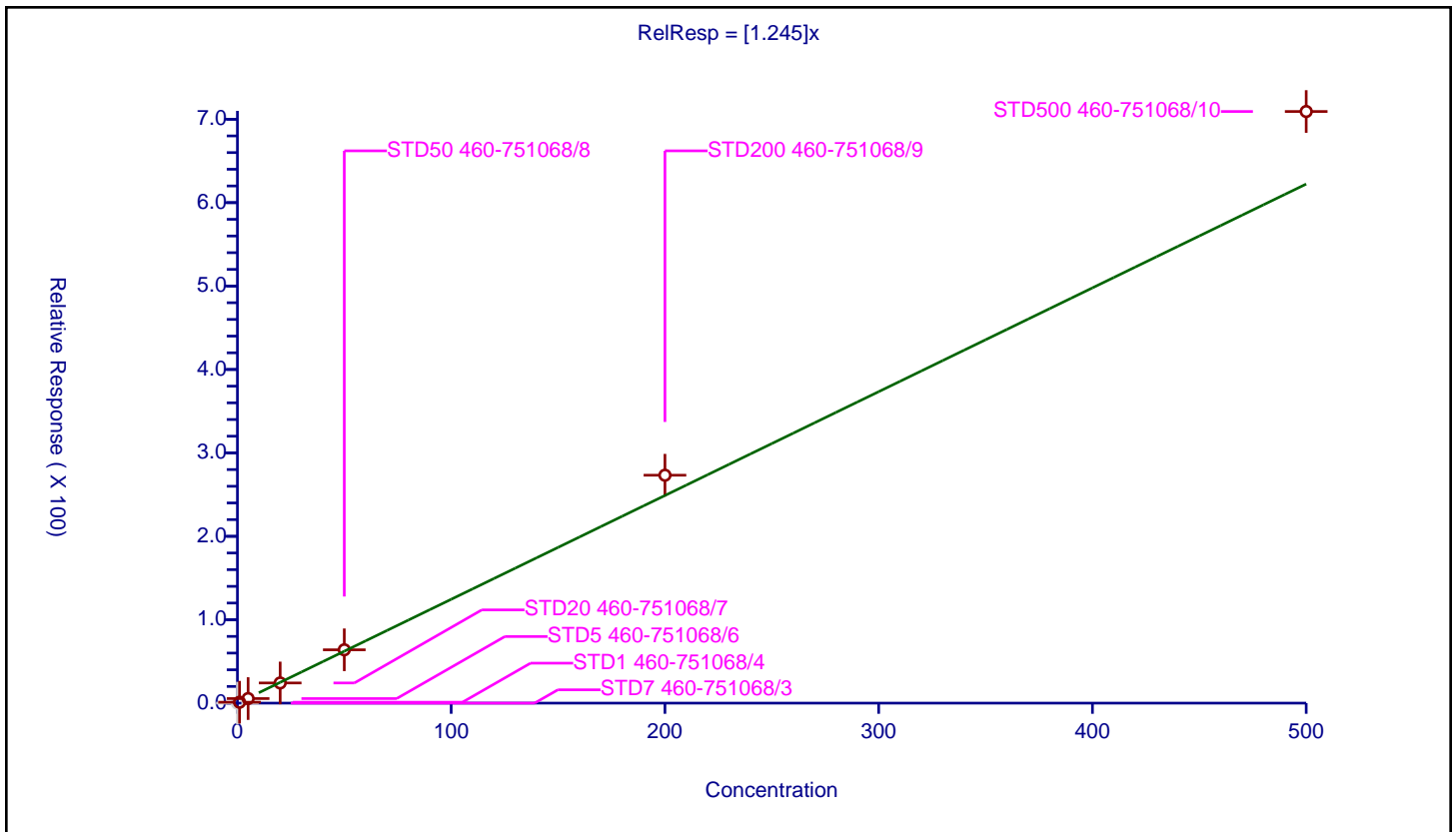
**/ Amyl acetate (mixed isomers)**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.245

Error Coefficients	
Standard Error:	2080000
Relative Standard Error:	10.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.099652	50.0	252307.0	1.099652	Y
3	STD5 460-751068/6	5.0	5.47257	50.0	251582.0	1.094514	Y
4	STD20 460-751068/7	20.0	24.195628	50.0	249760.0	1.209781	Y
5	STD50 460-751068/8	50.0	63.952046	50.0	289488.0	1.279041	Y
6	STD200 460-751068/9	200.0	273.220886	50.0	287601.0	1.366104	Y
7	STD500 460-751068/10	500.0	709.262304	50.0	307159.0	1.418525	Y





**Calibration**

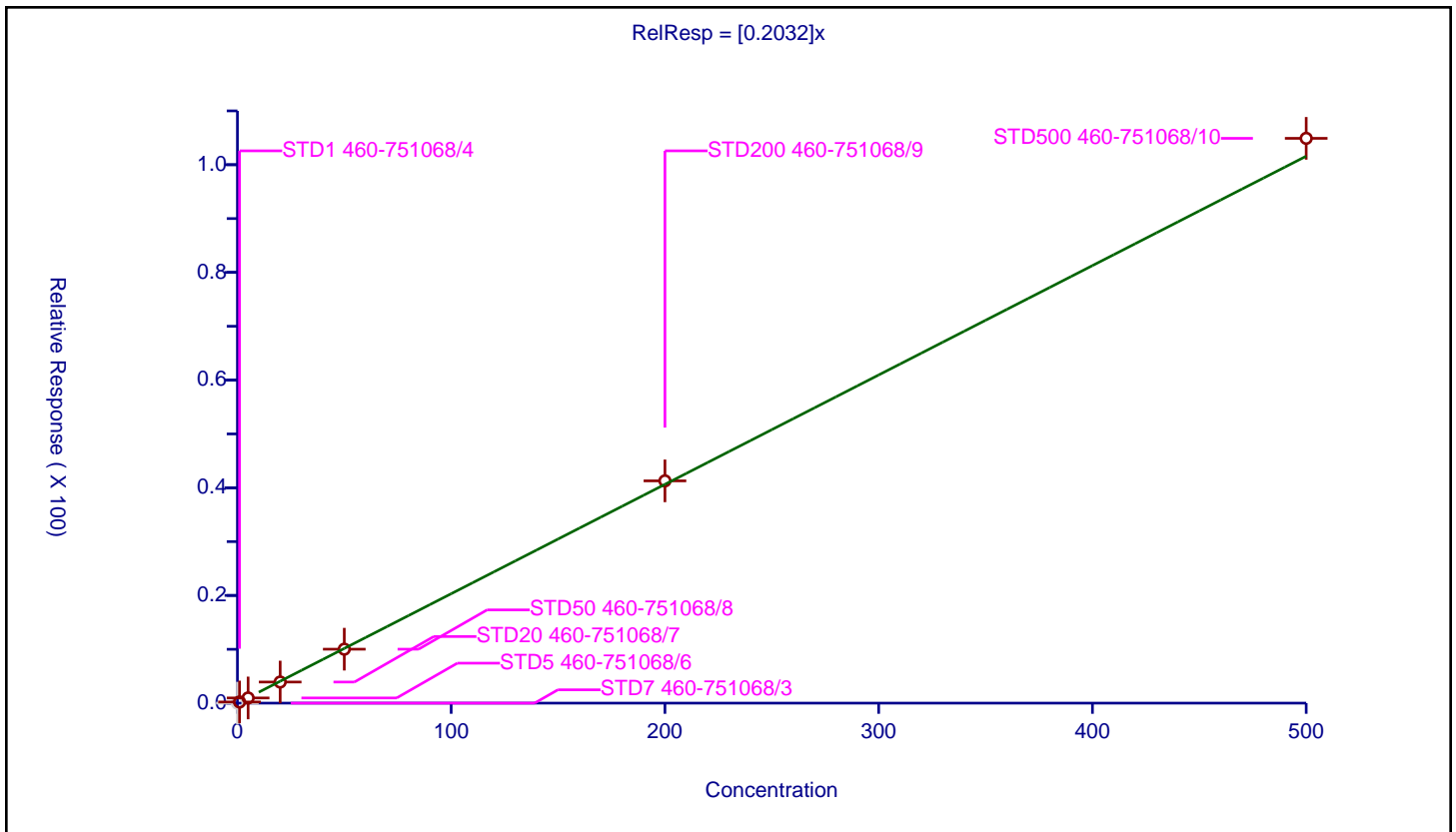
/ Bromoform

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2032

Error Coefficients	
Standard Error:	560000
Relative Standard Error:	4.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	0.213666	50.0	406242.0	0.213666	Y
3	STD5 460-751068/6	5.0	0.963358	50.0	402602.0	0.192672	Y
4	STD20 460-751068/7	20.0	3.921176	50.0	409316.0	0.196059	Y
5	STD50 460-751068/8	50.0	10.02	50.0	472500.0	0.2004	Y
6	STD200 460-751068/9	200.0	41.282124	50.0	504561.0	0.206411	Y
7	STD500 460-751068/10	500.0	104.897518	50.0	561366.0	0.209795	Y



**Calibration**

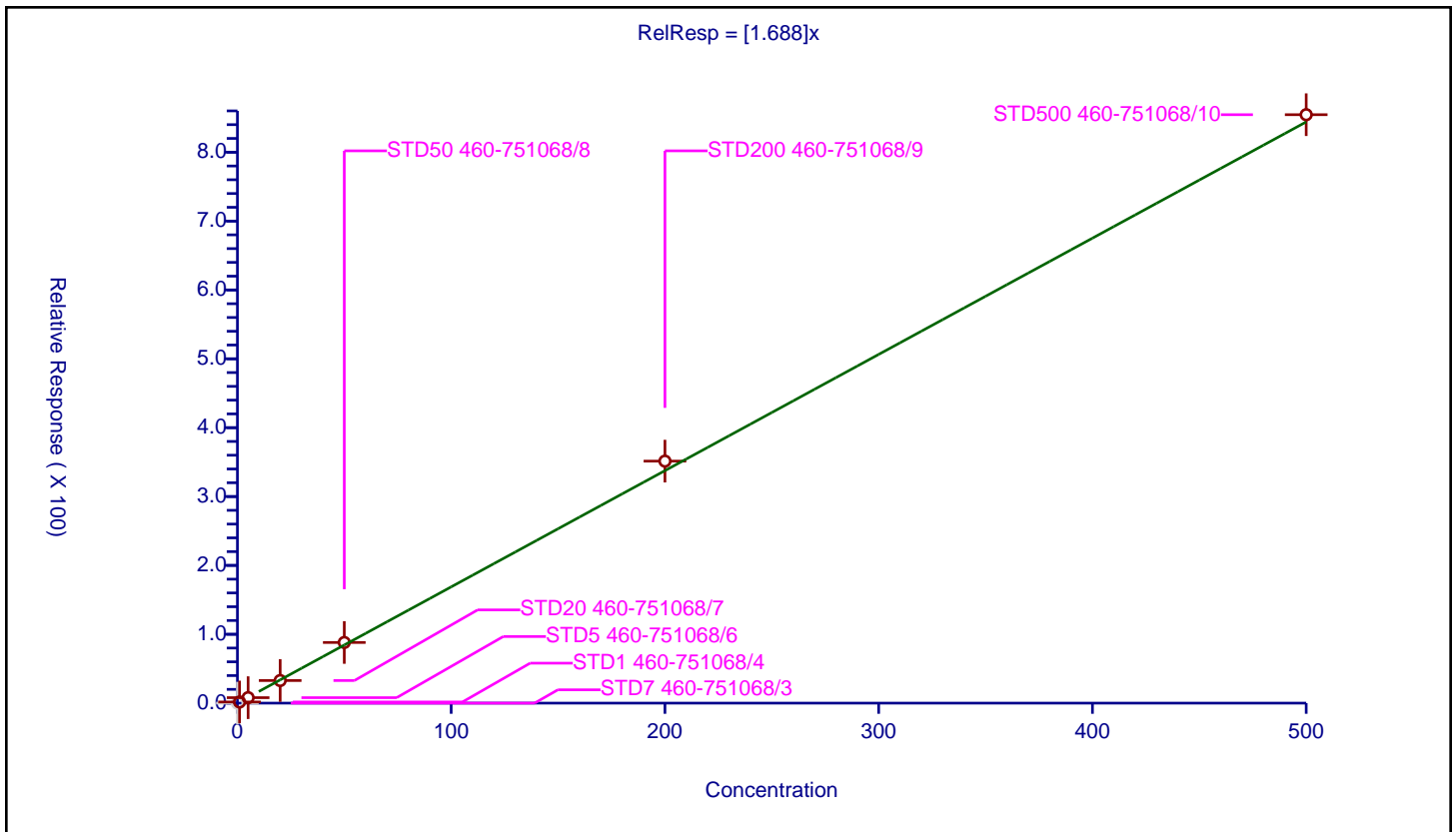
/ Isopropylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.688

Error Coefficients	
Standard Error:	4590000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	433562.0	NaN	N
2	STD1 460-751068/4	1.0	1.668833	50.0	406242.0	1.668833	Y
3	STD5 460-751068/6	5.0	7.954754	50.0	402602.0	1.590951	Y
4	STD20 460-751068/7	20.0	32.798132	50.0	409316.0	1.639907	Y
5	STD50 460-751068/8	50.0	88.101799	50.0	472500.0	1.762036	Y
6	STD200 460-751068/9	200.0	351.406867	50.0	504561.0	1.757034	Y
7	STD500 460-751068/10	500.0	854.484864	50.0	561366.0	1.70897	Y



**Calibration**

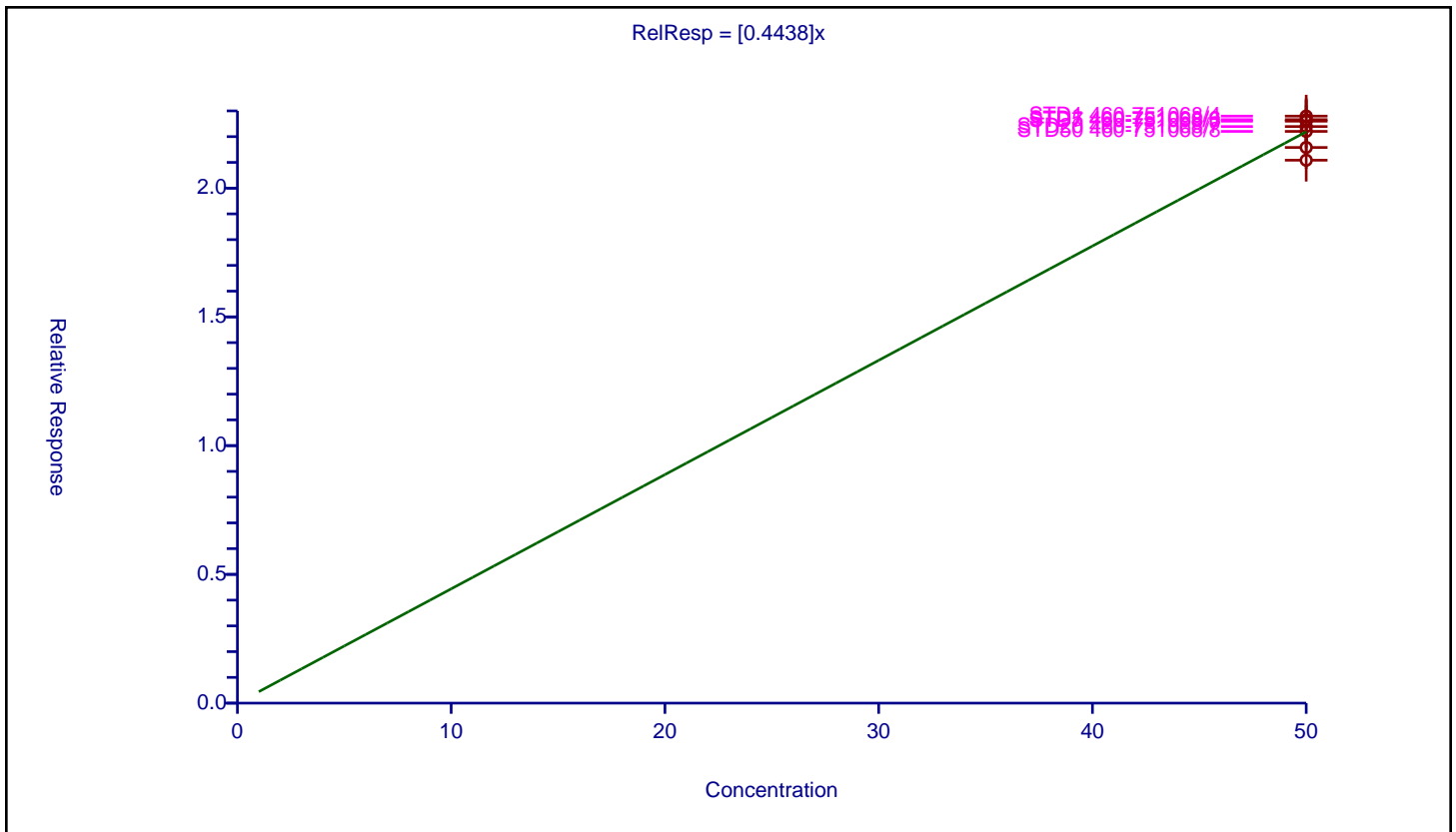
**/ 4-Bromofluorobenzene**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** ISTD  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	0.4438

Error Coefficients	
Standard Error:	219000
Relative Standard Error:	2.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	50.0	22.600113	50.0	433562.0	0.452002	Y
2	STD1 460-751068/4	50.0	22.797741	50.0	406242.0	0.455955	Y
3	STD5 460-751068/6	50.0	22.660717	50.0	402602.0	0.453214	Y
4	STD20 460-751068/7	50.0	22.39138	50.0	409316.0	0.447828	Y
5	STD50 460-751068/8	50.0	22.204021	50.0	472500.0	0.44408	Y
6	STD200 460-751068/9	50.0	21.578461	50.0	504561.0	0.431569	Y
7	STD500 460-751068/10	50.0	21.084373	50.0	561366.0	0.421687	Y



Calibration

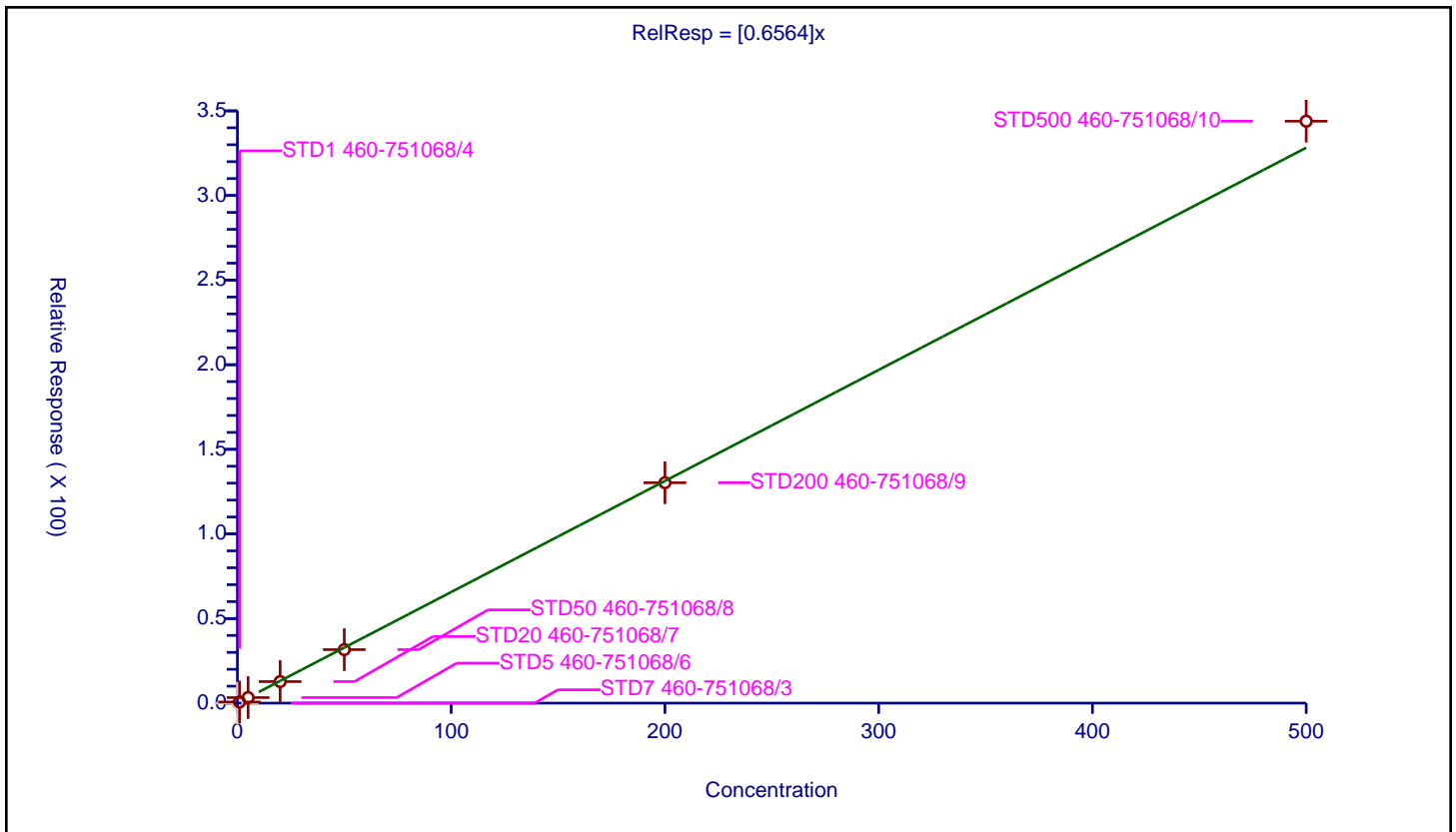
/ Bromobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6564

Error Coefficients	
Standard Error:	1010000
Relative Standard Error:	3.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.675764	50.0	252307.0	0.675764	Y
3	STD5 460-751068/6	5.0	3.274877	50.0	251582.0	0.654975	Y
4	STD20 460-751068/7	20.0	12.730021	50.0	249760.0	0.636501	Y
5	STD50 460-751068/8	50.0	31.612191	50.0	289488.0	0.632244	Y
6	STD200 460-751068/9	200.0	130.255806	50.0	287601.0	0.651279	Y
7	STD500 460-751068/10	500.0	343.910808	50.0	307159.0	0.687822	Y



**Calibration**

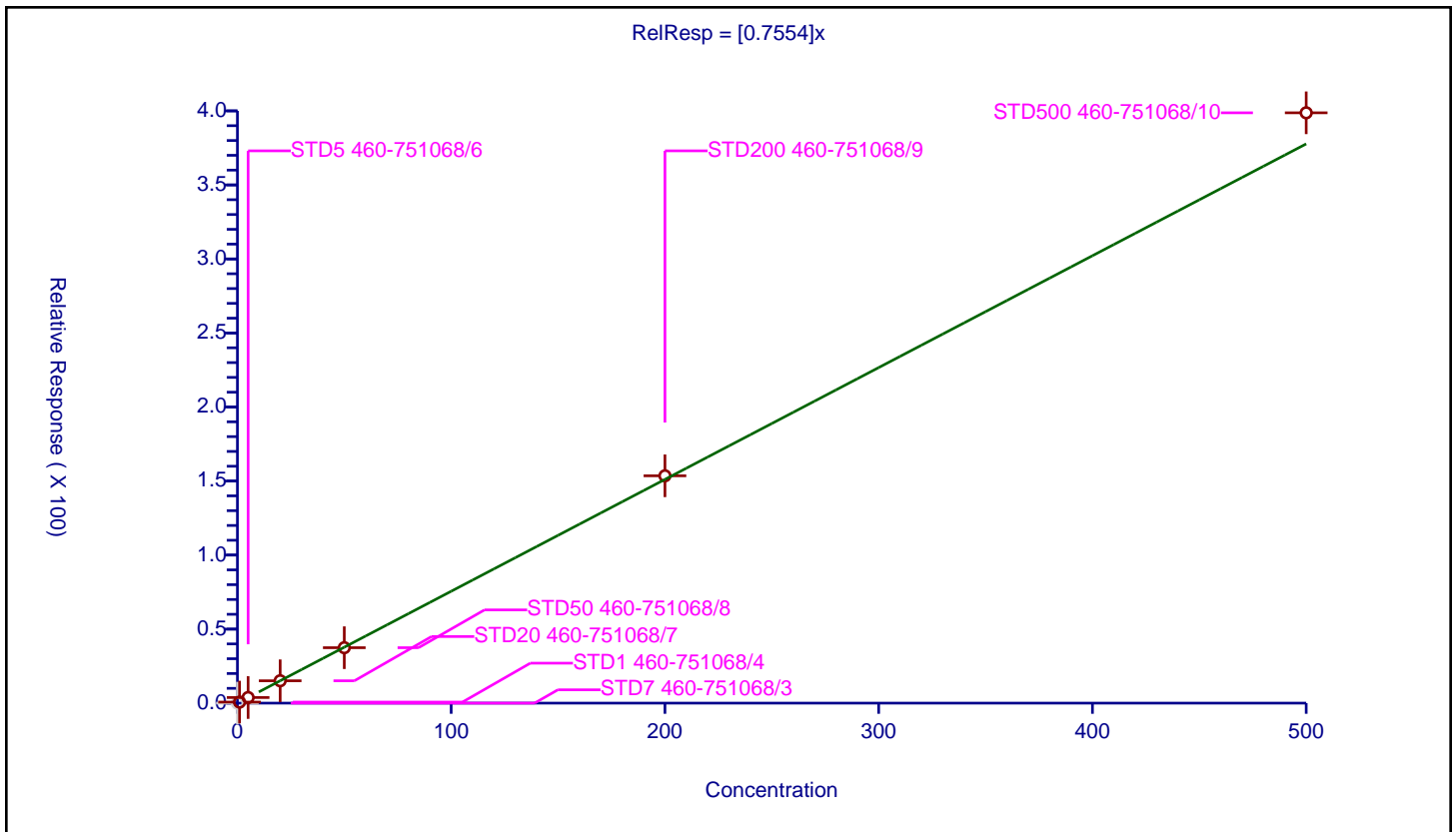
/ 1,1,2,2-Tetrachloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7554

Error Coefficients	
Standard Error:	1170000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.706481	50.0	252307.0	0.706481	Y
3	STD5 460-751068/6	5.0	3.785247	50.0	251582.0	0.757049	Y
4	STD20 460-751068/7	20.0	15.106102	50.0	249760.0	0.755305	Y
5	STD50 460-751068/8	50.0	37.43454	50.0	289488.0	0.748691	Y
6	STD200 460-751068/9	200.0	153.539974	50.0	287601.0	0.7677	Y
7	STD500 460-751068/10	500.0	398.698882	50.0	307159.0	0.797398	Y



Calibration

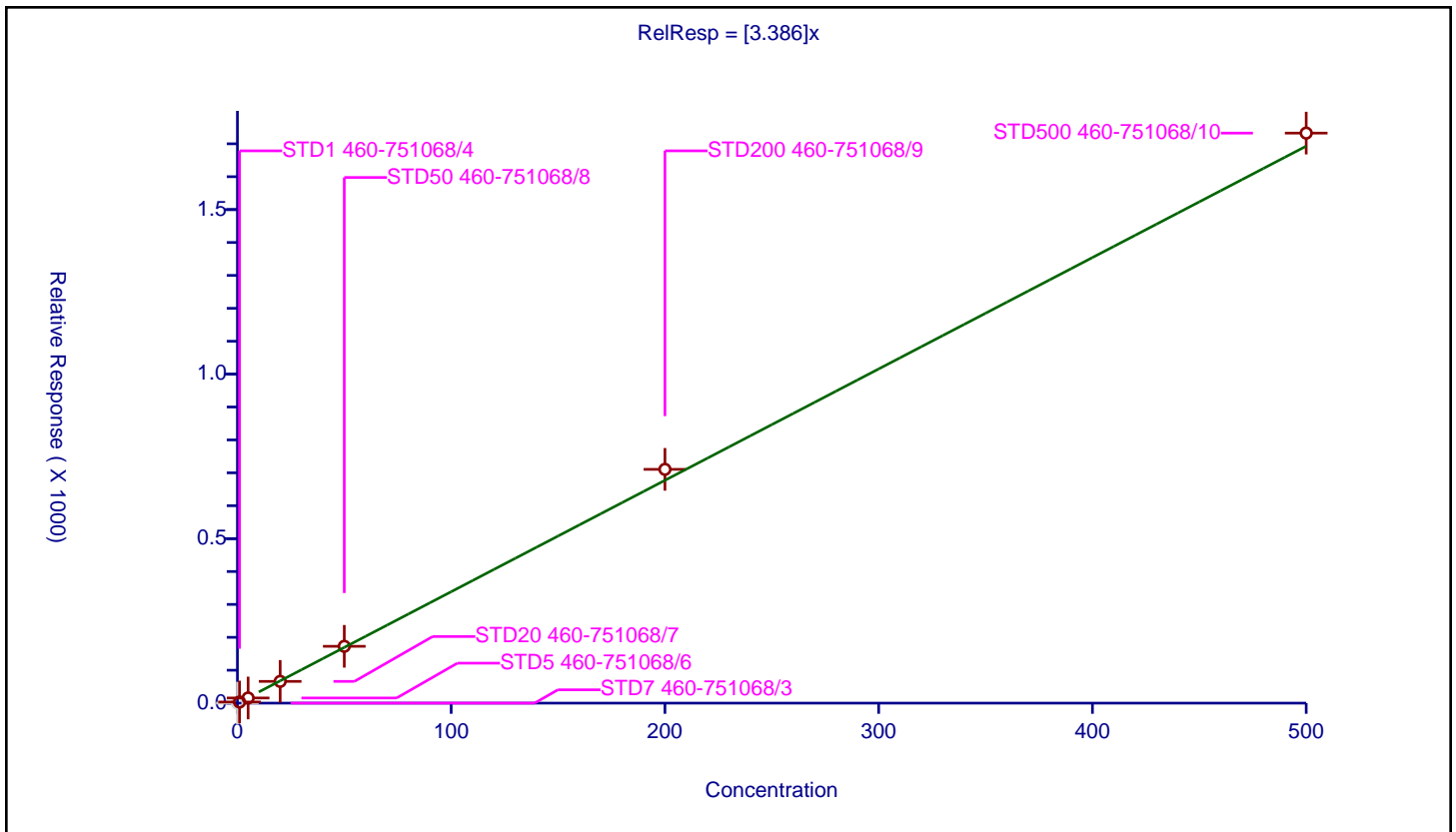
/ N-Propylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.386

Error Coefficients	
Standard Error:	5120000
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 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	3.400817	50.0	252307.0	3.400817	Y
3	STD5 460-751068/6	5.0	15.679977	50.0	251582.0	3.135995	Y
4	STD20 460-751068/7	20.0	66.097854	50.0	249760.0	3.304893	Y
5	STD50 460-751068/8	50.0	172.735312	50.0	289488.0	3.454706	Y
6	STD200 460-751068/9	200.0	710.521869	50.0	287601.0	3.552609	Y
7	STD500 460-751068/10	500.0	1732.458108	50.0	307159.0	3.464916	Y



Calibration

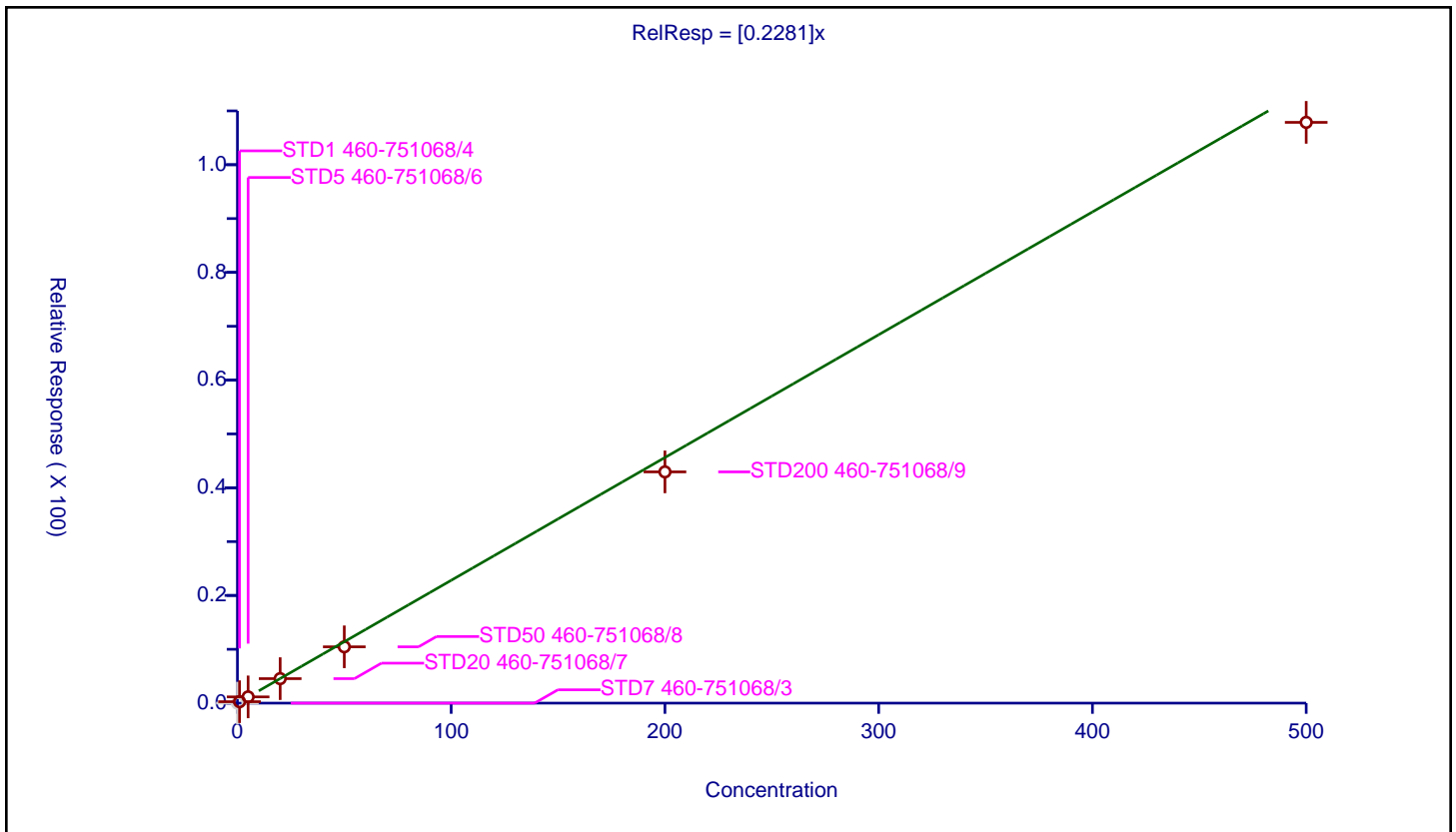
/ 1,2,3-Trichloropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2281

Error Coefficients	
Standard Error:	318000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.269315	50.0	252307.0	0.269315	Y
3	STD5 460-751068/6	5.0	1.15986	50.0	251582.0	0.231972	Y
4	STD20 460-751068/7	20.0	4.549768	50.0	249760.0	0.227488	Y
5	STD50 460-751068/8	50.0	10.461228	50.0	289488.0	0.209225	Y
6	STD200 460-751068/9	200.0	42.95152	50.0	287601.0	0.214758	Y
7	STD500 460-751068/10	500.0	107.866773	50.0	307159.0	0.215734	Y



Calibration

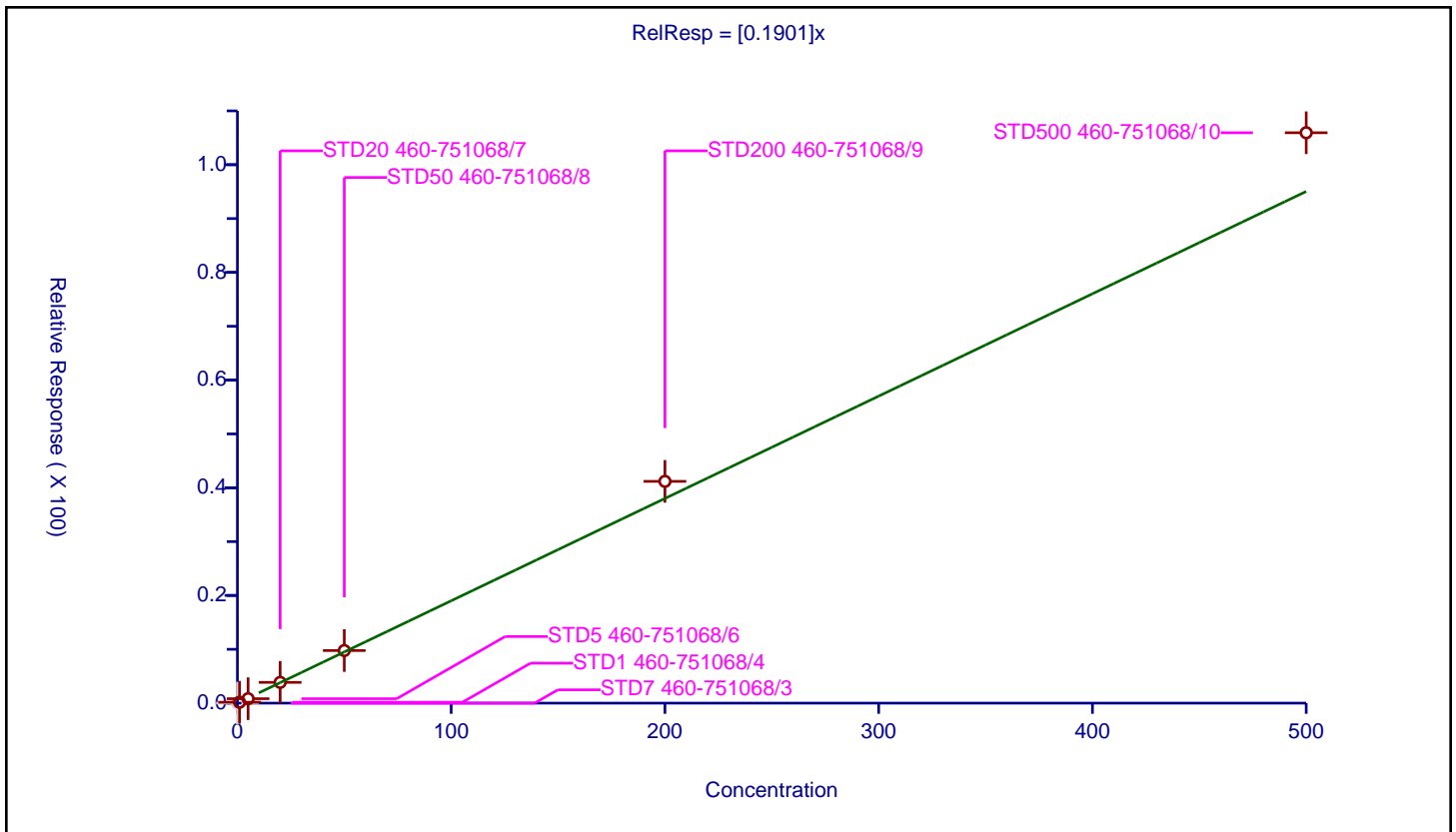
/ trans-1,4-Dichloro-2-butene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1901

Error Coefficients	
Standard Error:	311000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.170229	50.0	252307.0	0.170229	Y
3	STD5 460-751068/6	5.0	0.821203	50.0	251582.0	0.164241	Y
4	STD20 460-751068/7	20.0	3.8545	50.0	249760.0	0.192725	Y
5	STD50 460-751068/8	50.0	9.769317	50.0	289488.0	0.195386	Y
6	STD200 460-751068/9	200.0	41.191268	50.0	287601.0	0.205956	Y
7	STD500 460-751068/10	500.0	105.940246	50.0	307159.0	0.21188	Y





Calibration

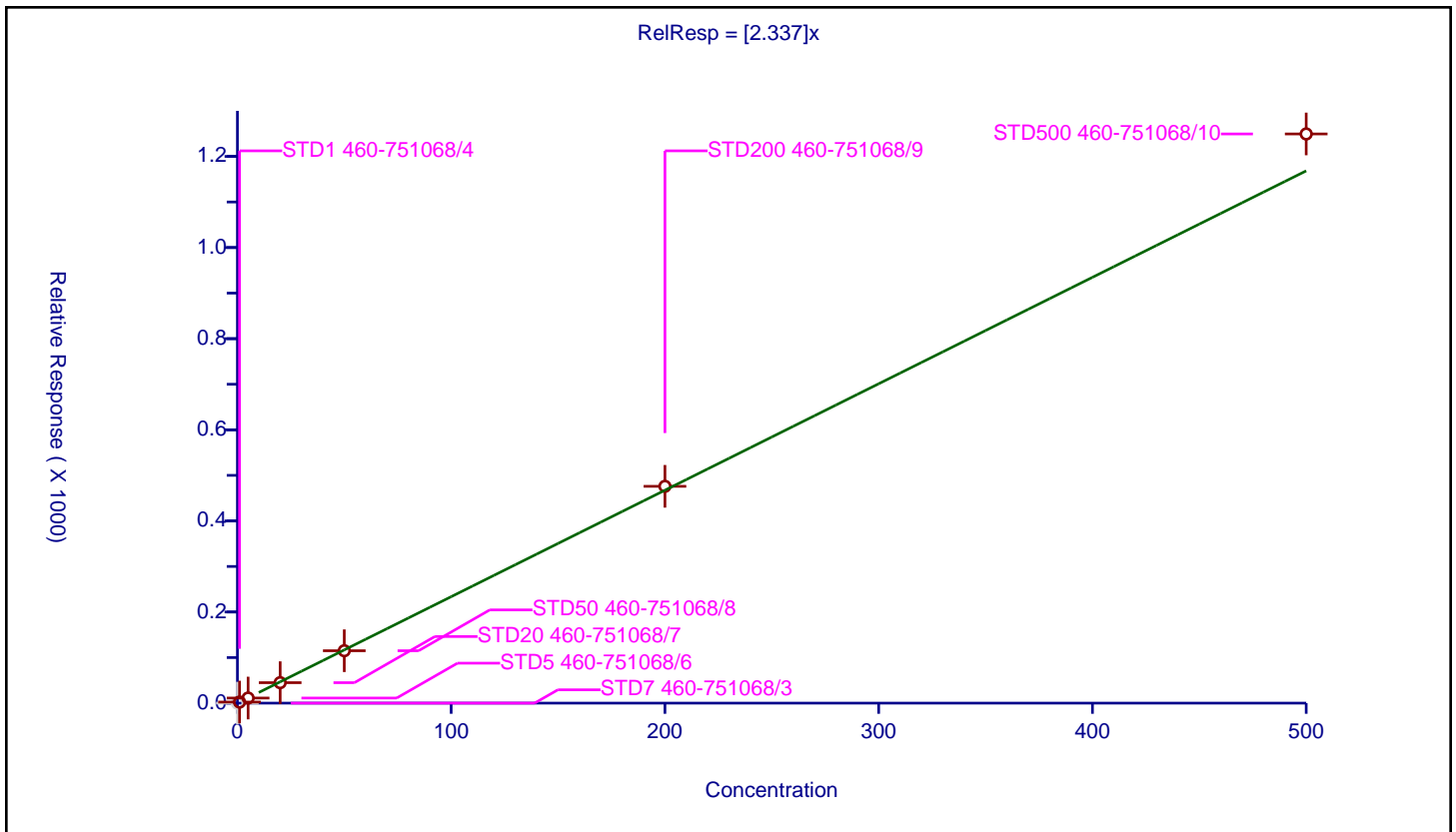
/ 2-Chlorotoluene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.337

Error Coefficients	
Standard Error:	3660000
Relative Standard Error:	4.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.349519	50.0	252307.0	2.349519	Y
3	STD5 460-751068/6	5.0	11.223378	50.0	251582.0	2.244676	Y
4	STD20 460-751068/7	20.0	44.953155	50.0	249760.0	2.247658	Y
5	STD50 460-751068/8	50.0	115.002867	50.0	289488.0	2.300057	Y
6	STD200 460-751068/9	200.0	475.936454	50.0	287601.0	2.379682	Y
7	STD500 460-751068/10	500.0	1249.348058	50.0	307159.0	2.498696	Y



Calibration

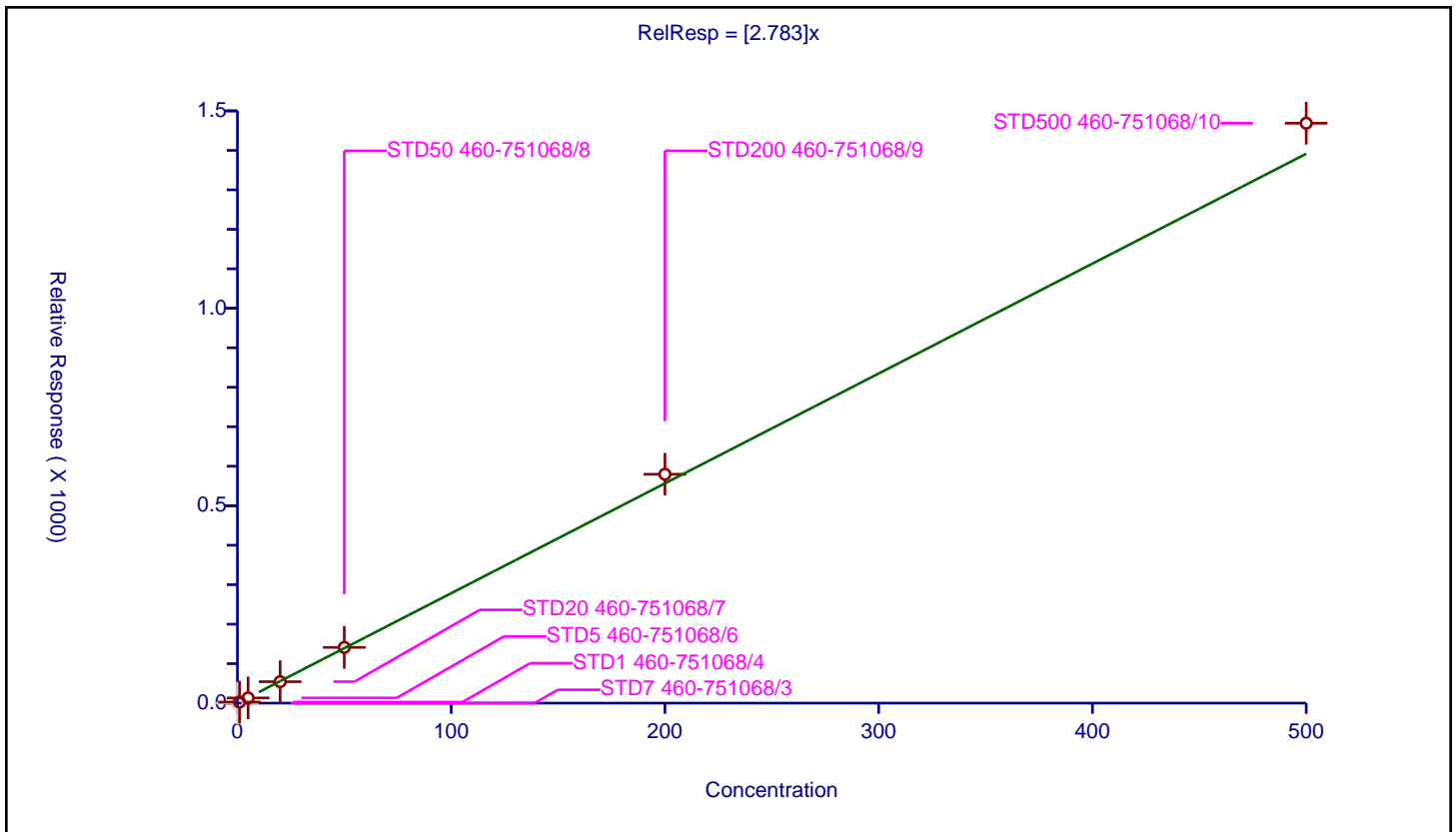
/ 4-Ethyltoluene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.783

Error Coefficients	
Standard Error:	4320000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.70266	50.0	252307.0	2.70266	Y
3	STD5 460-751068/6	5.0	13.116996	50.0	251582.0	2.623399	Y
4	STD20 460-751068/7	20.0	54.23907	50.0	249760.0	2.711953	Y
5	STD50 460-751068/8	50.0	141.137629	50.0	289488.0	2.822753	Y
6	STD200 460-751068/9	200.0	579.678791	50.0	287601.0	2.898394	Y
7	STD500 460-751068/10	500.0	1468.738015	50.0	307159.0	2.937476	Y



**Calibration**

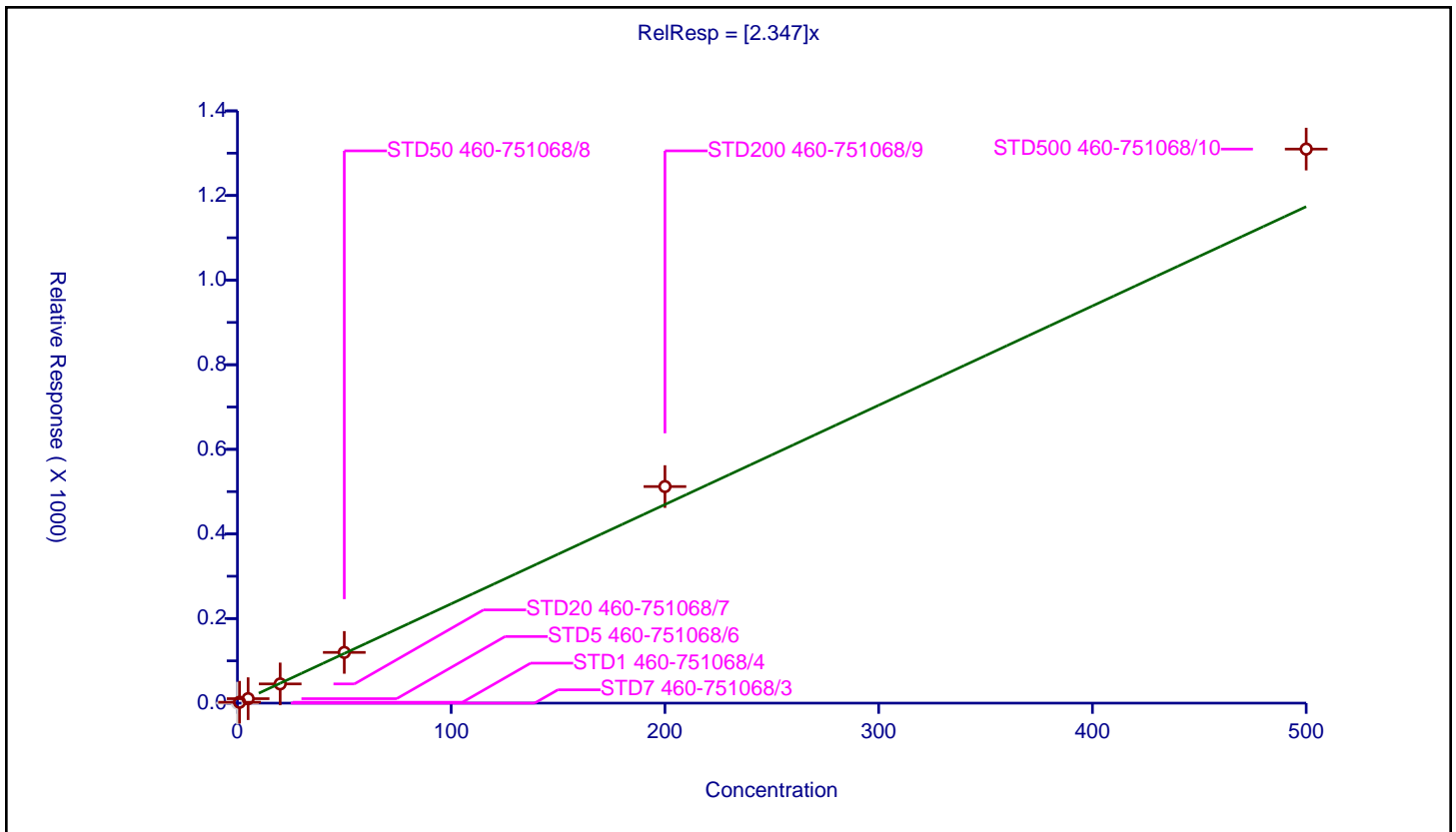
**/ 1,3,5-Trimethylbenzene**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.347

Error Coefficients	
Standard Error:	3850000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.12935	50.0	252307.0	2.12935	Y
3	STD5 460-751068/6	5.0	10.526985	50.0	251582.0	2.105397	Y
4	STD20 460-751068/7	20.0	45.442825	50.0	249760.0	2.272141	Y
5	STD50 460-751068/8	50.0	119.87509	50.0	289488.0	2.397502	Y
6	STD200 460-751068/9	200.0	511.963623	50.0	287601.0	2.559818	Y
7	STD500 460-751068/10	500.0	1309.738767	50.0	307159.0	2.619478	Y



Calibration

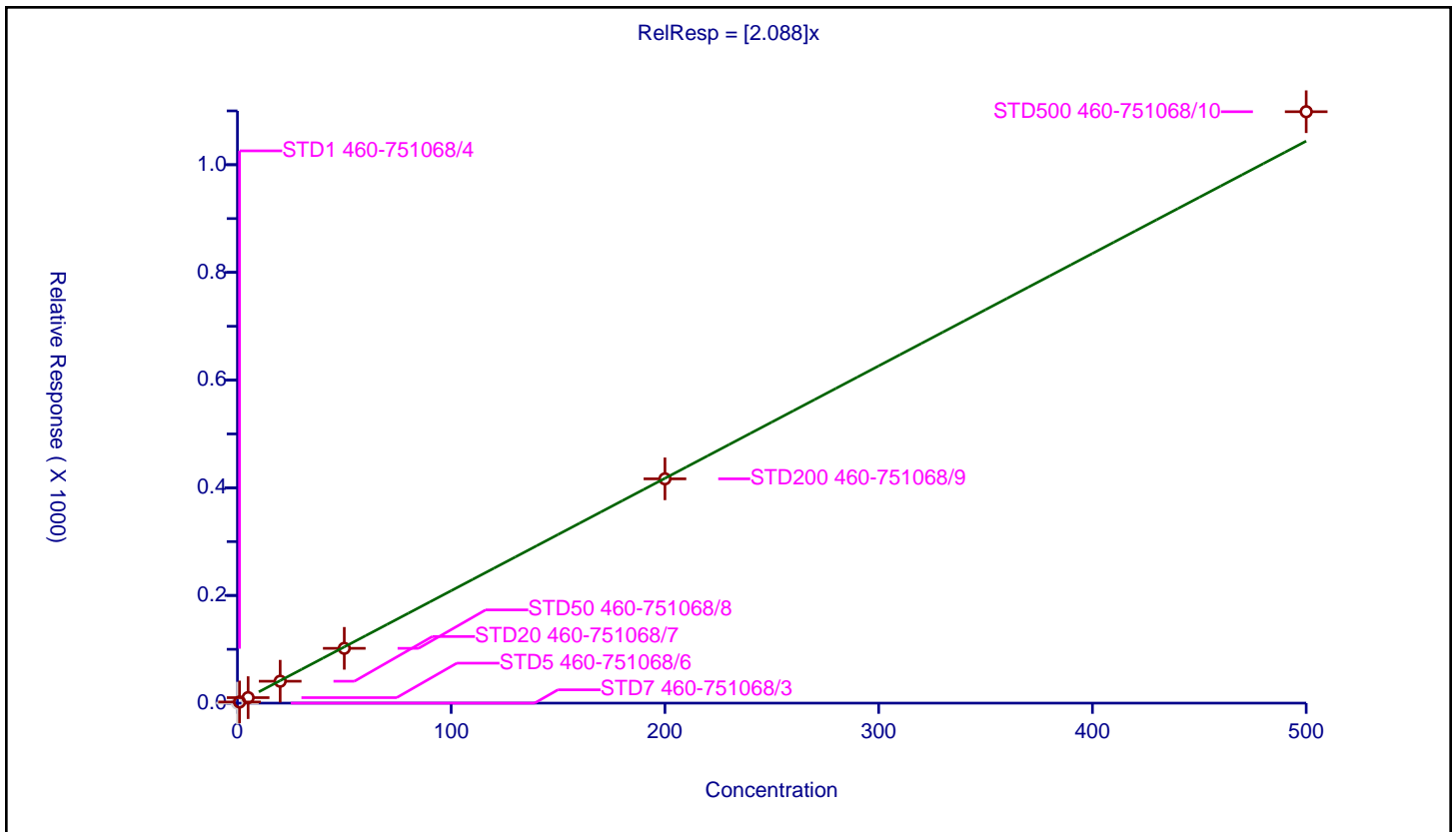
/ 4-Chlorotoluene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.088

Error Coefficients	
Standard Error:	3210000
Relative Standard Error:	3.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.135494	50.0	252307.0	2.135494	Y
3	STD5 460-751068/6	5.0	10.204625	50.0	251582.0	2.040925	Y
4	STD20 460-751068/7	20.0	40.699271	50.0	249760.0	2.034964	Y
5	STD50 460-751068/8	50.0	101.783666	50.0	289488.0	2.035673	Y
6	STD200 460-751068/9	200.0	416.610339	50.0	287601.0	2.083052	Y
7	STD500 460-751068/10	500.0	1098.469685	50.0	307159.0	2.196939	Y



Calibration

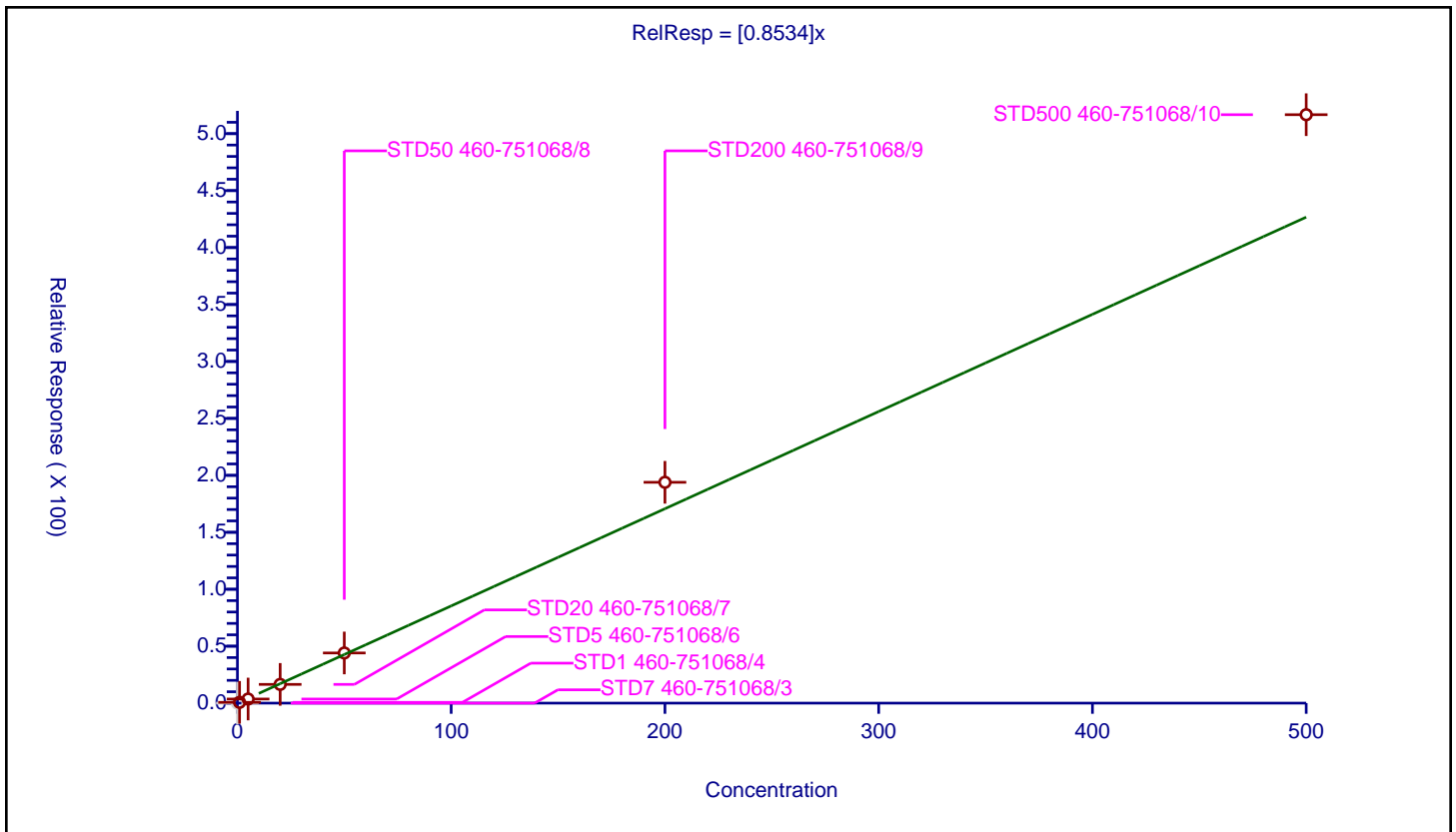
/ Butyl Methacrylate

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8534

Error Coefficients	
Standard Error:	1510000
Relative Standard Error:	15.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.691221	50.0	252307.0	0.691221	Y
3	STD5 460-751068/6	5.0	3.61254	50.0	251582.0	0.722508	Y
4	STD20 460-751068/7	20.0	16.462004	50.0	249760.0	0.8231	Y
5	STD50 460-751068/8	50.0	44.037577	50.0	289488.0	0.880752	Y
6	STD200 460-751068/9	200.0	193.898144	50.0	287601.0	0.969491	Y
7	STD500 460-751068/10	500.0	516.665473	50.0	307159.0	1.033331	Y



Calibration

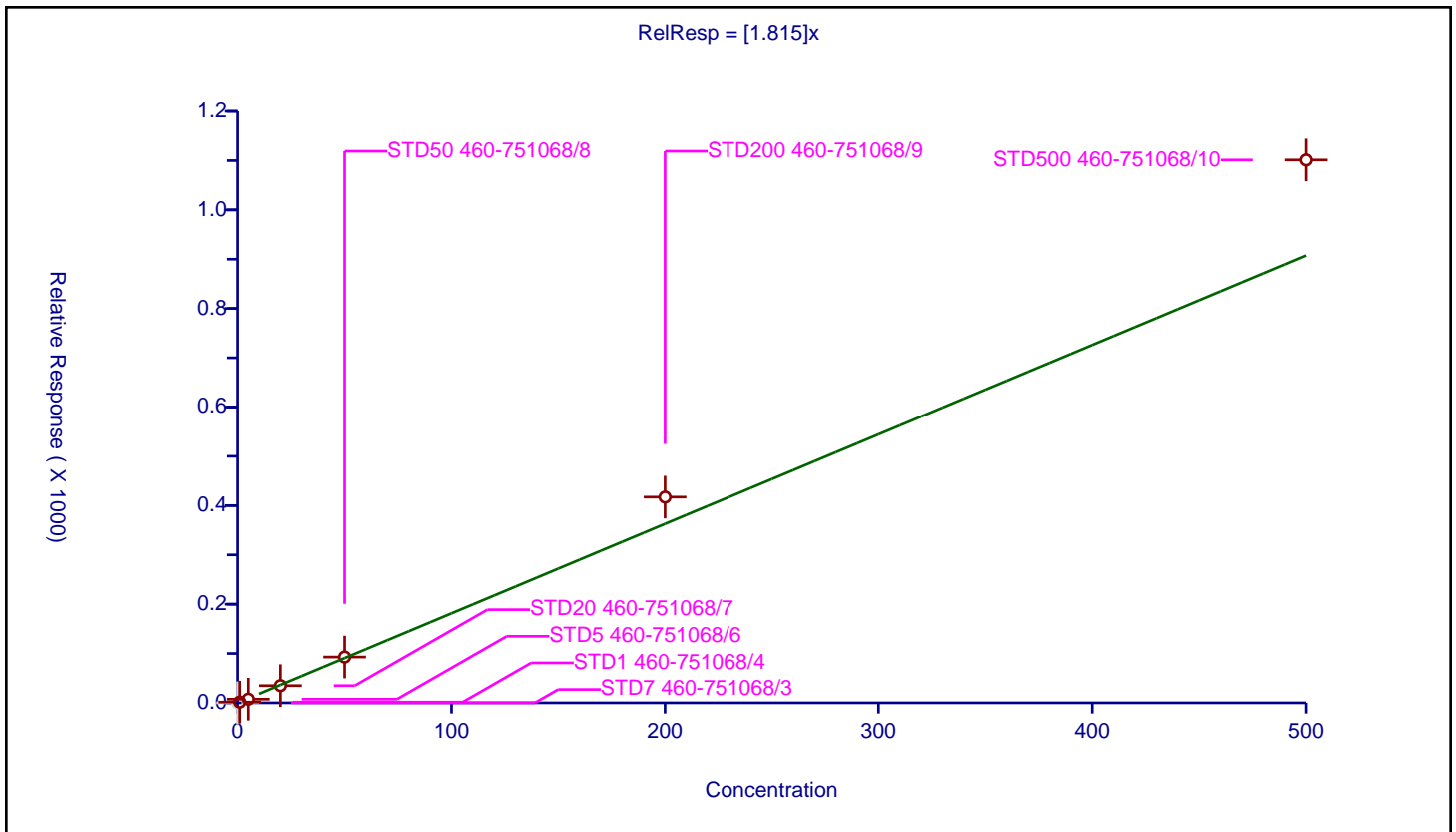
/ tert-Butylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.815

Error Coefficients	
Standard Error:	3220000
Relative Standard Error:	16.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.514821	50.0	252307.0	1.514821	Y
3	STD5 460-751068/6	5.0	7.44151	50.0	251582.0	1.488302	Y
4	STD20 460-751068/7	20.0	34.816023	50.0	249760.0	1.740801	Y
5	STD50 460-751068/8	50.0	92.825437	50.0	289488.0	1.856509	Y
6	STD200 460-751068/9	200.0	417.231859	50.0	287601.0	2.086159	Y
7	STD500 460-751068/10	500.0	1101.299815	50.0	307159.0	2.2026	Y



Calibration

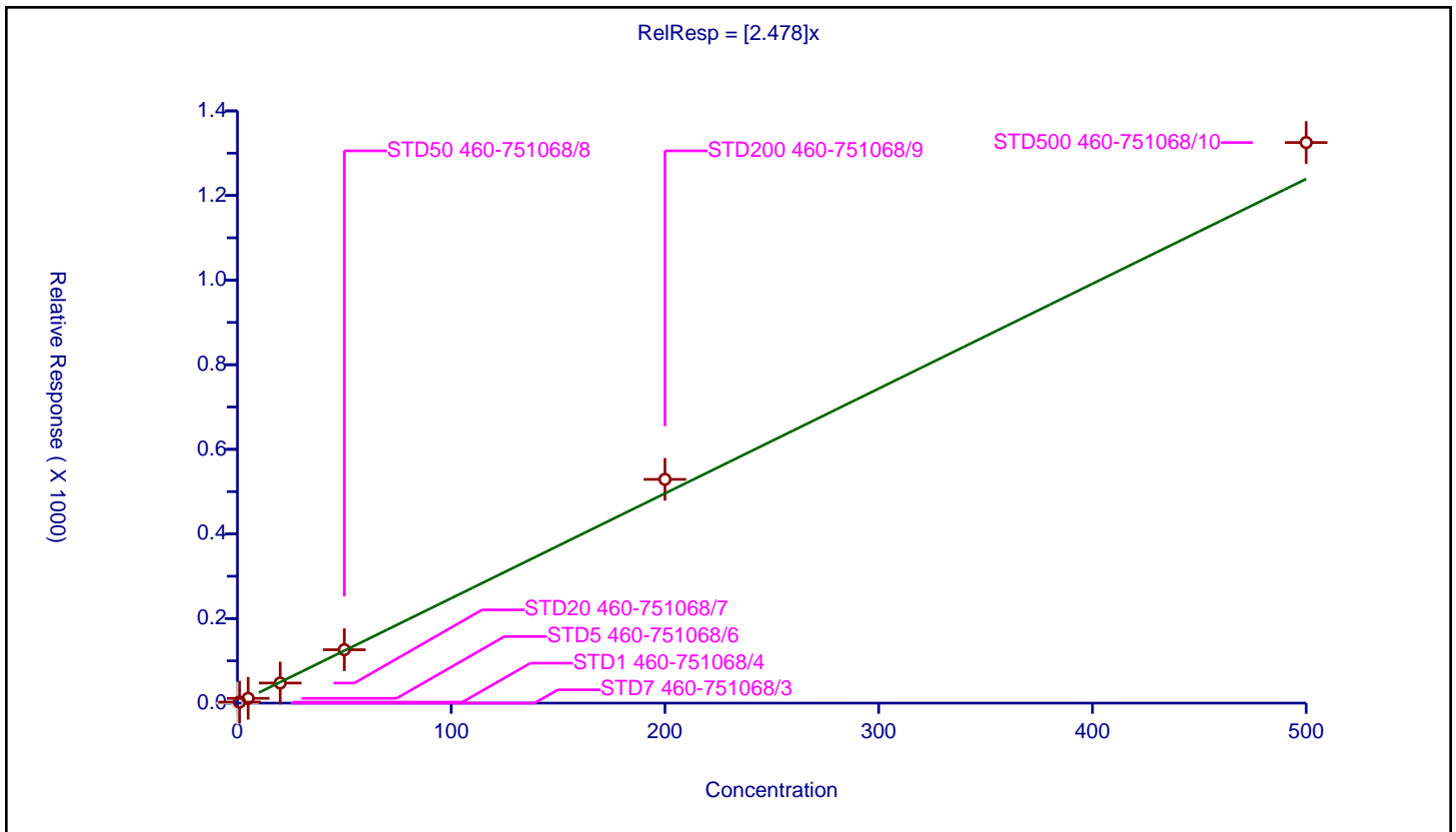
/ 1,2,4-Trimethylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.478

Error Coefficients	
Standard Error:	3900000
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 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.402232	50.0	252307.0	2.402232	Y
3	STD5 460-751068/6	5.0	11.353753	50.0	251582.0	2.270751	Y
4	STD20 460-751068/7	20.0	47.518217	50.0	249760.0	2.375911	Y
5	STD50 460-751068/8	50.0	126.275355	50.0	289488.0	2.525507	Y
6	STD200 460-751068/9	200.0	528.942702	50.0	287601.0	2.644714	Y
7	STD500 460-751068/10	500.0	1325.203234	50.0	307159.0	2.650406	Y



Calibration

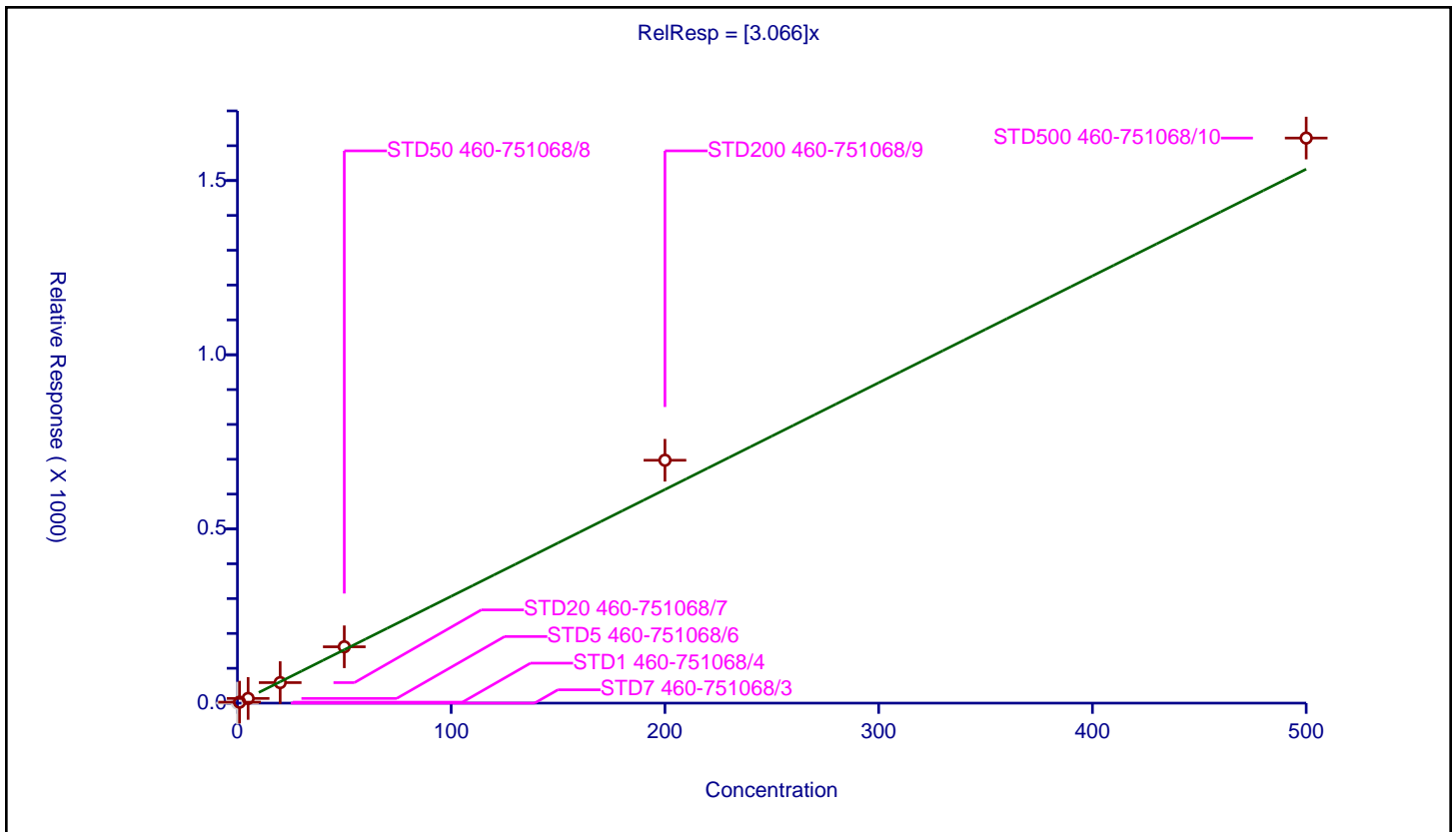
/ sec-Butylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.066

Error Coefficients	
Standard Error:	4820000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.787279	50.0	252307.0	2.787279	Y
3	STD5 460-751068/6	5.0	13.489638	50.0	251582.0	2.697928	Y
4	STD20 460-751068/7	20.0	58.887132	50.0	249760.0	2.944357	Y
5	STD50 460-751068/8	50.0	161.718275	50.0	289488.0	3.234366	Y
6	STD200 460-751068/9	200.0	697.230017	50.0	287601.0	3.48615	Y
7	STD500 460-751068/10	500.0	1621.988612	50.0	307159.0	3.243977	Y





Calibration

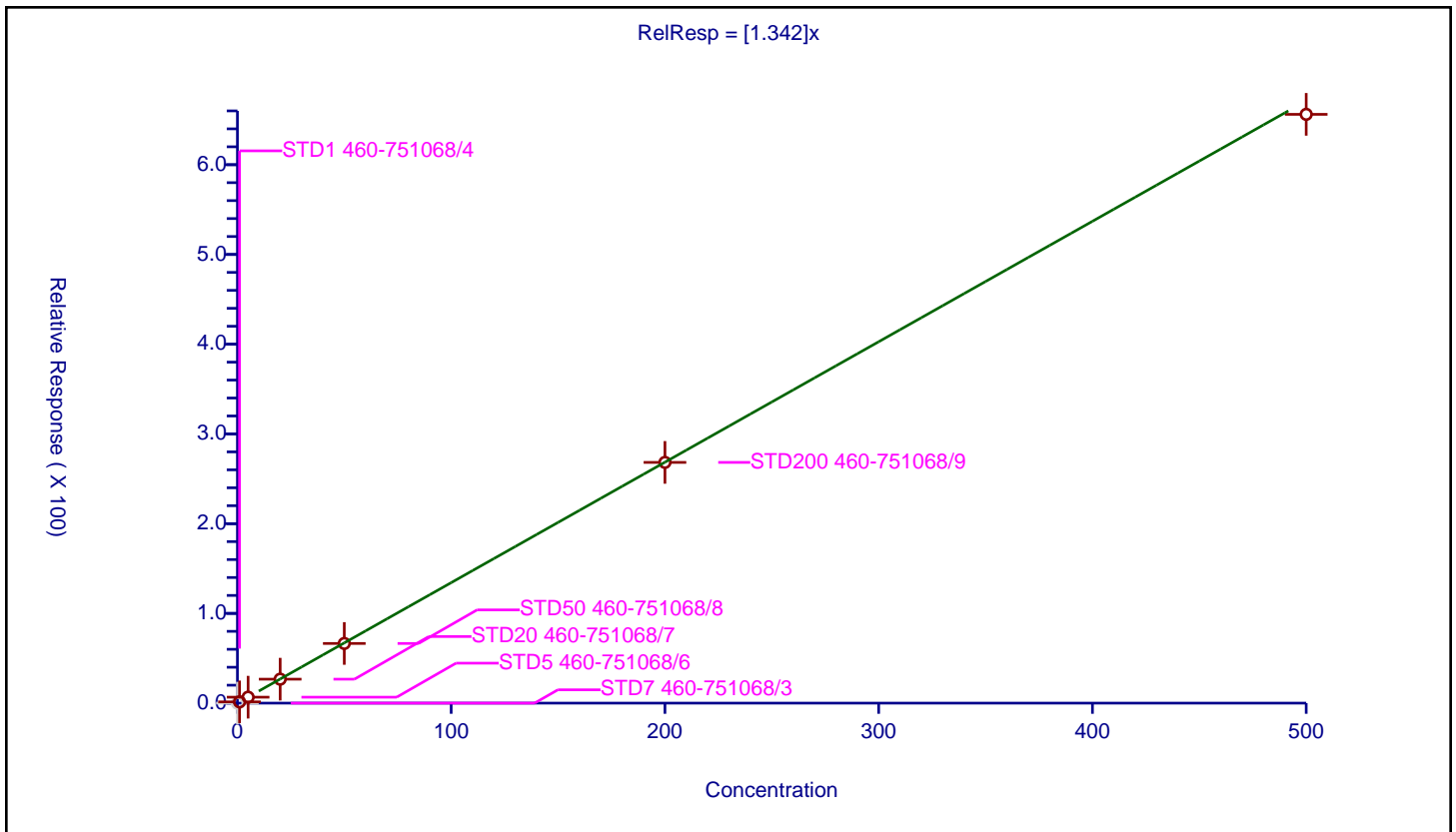
/ 1,3-Dichlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.342

Error Coefficients	
Standard Error:	1940000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.411574	50.0	252307.0	1.411574	Y
3	STD5 460-751068/6	5.0	6.624083	50.0	251582.0	1.324817	Y
4	STD20 460-751068/7	20.0	26.691224	50.0	249760.0	1.334561	Y
5	STD50 460-751068/8	50.0	66.508974	50.0	289488.0	1.330179	Y
6	STD200 460-751068/9	200.0	268.269234	50.0	287601.0	1.341346	Y
7	STD500 460-751068/10	500.0	656.145514	50.0	307159.0	1.312291	Y



Calibration

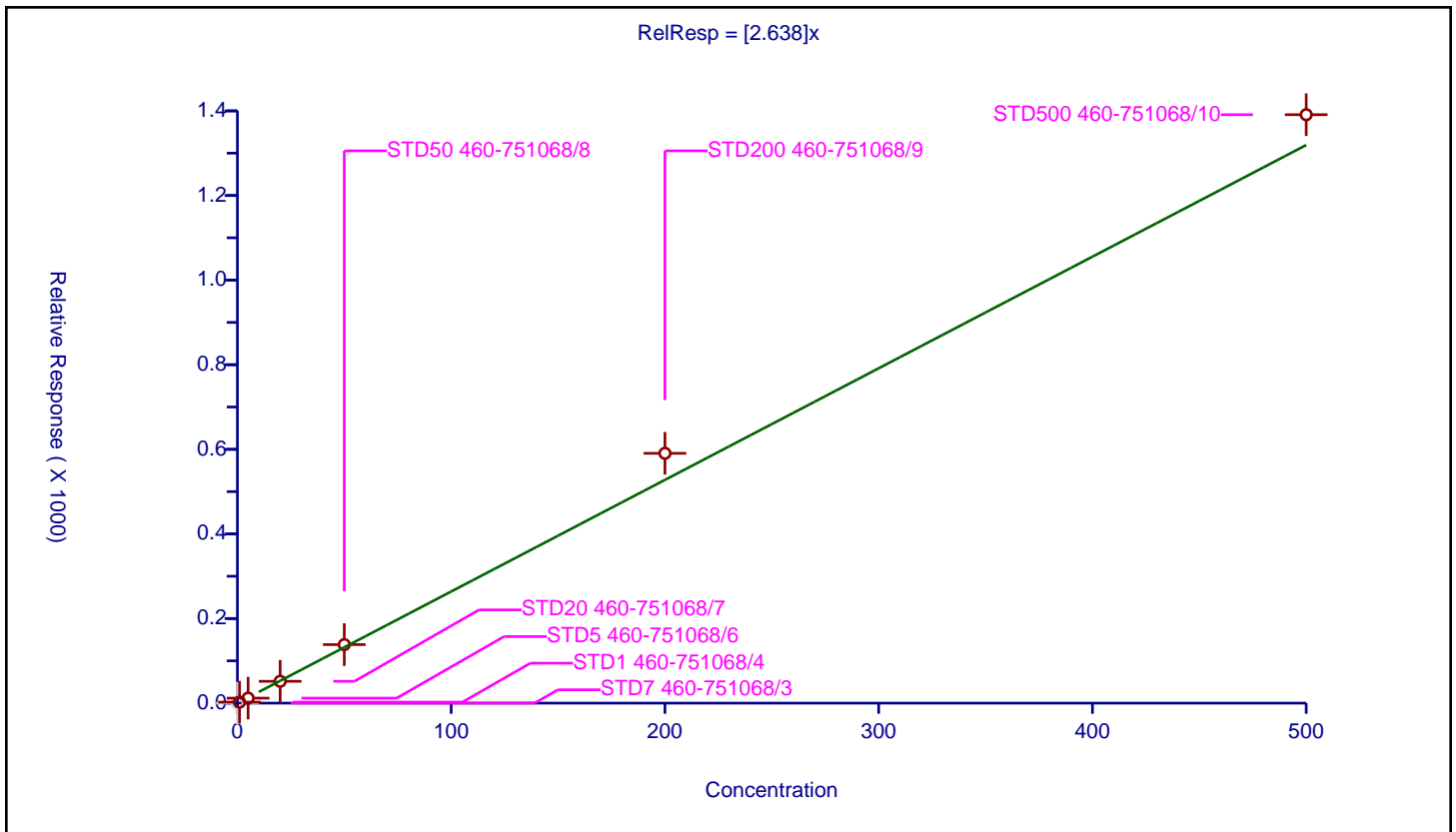
/ 4-Isopropyltoluene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.638

Error Coefficients	
Standard Error:	4130000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.391135	50.0	252307.0	2.391135	Y
3	STD5 460-751068/6	5.0	11.783832	50.0	251582.0	2.356766	Y
4	STD20 460-751068/7	20.0	51.619755	50.0	249760.0	2.580988	Y
5	STD50 460-751068/8	50.0	138.347704	50.0	289488.0	2.766954	Y
6	STD200 460-751068/9	200.0	590.521417	50.0	287601.0	2.952607	Y
7	STD500 460-751068/10	500.0	1390.985776	50.0	307159.0	2.781972	Y



Calibration

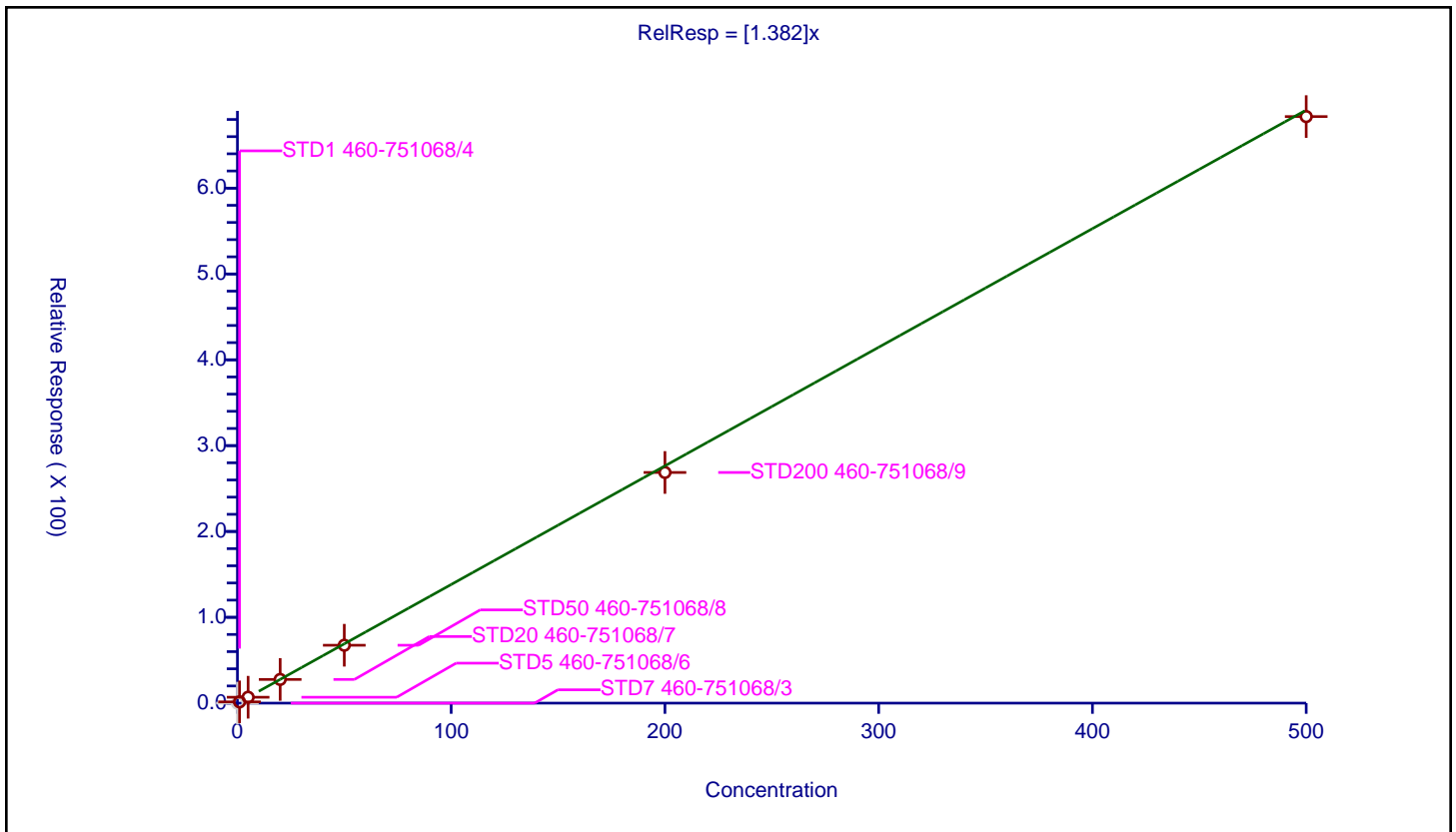
/ 1,4-Dichlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.382

Error Coefficients	
Standard Error:	2010000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.477763	50.0	252307.0	1.477763	Y
3	STD5 460-751068/6	5.0	6.873703	50.0	251582.0	1.374741	Y
4	STD20 460-751068/7	20.0	27.605101	50.0	249760.0	1.380255	Y
5	STD50 460-751068/8	50.0	67.448046	50.0	289488.0	1.348961	Y
6	STD200 460-751068/9	200.0	268.750804	50.0	287601.0	1.343754	Y
7	STD500 460-751068/10	500.0	683.361061	50.0	307159.0	1.366722	Y



Calibration

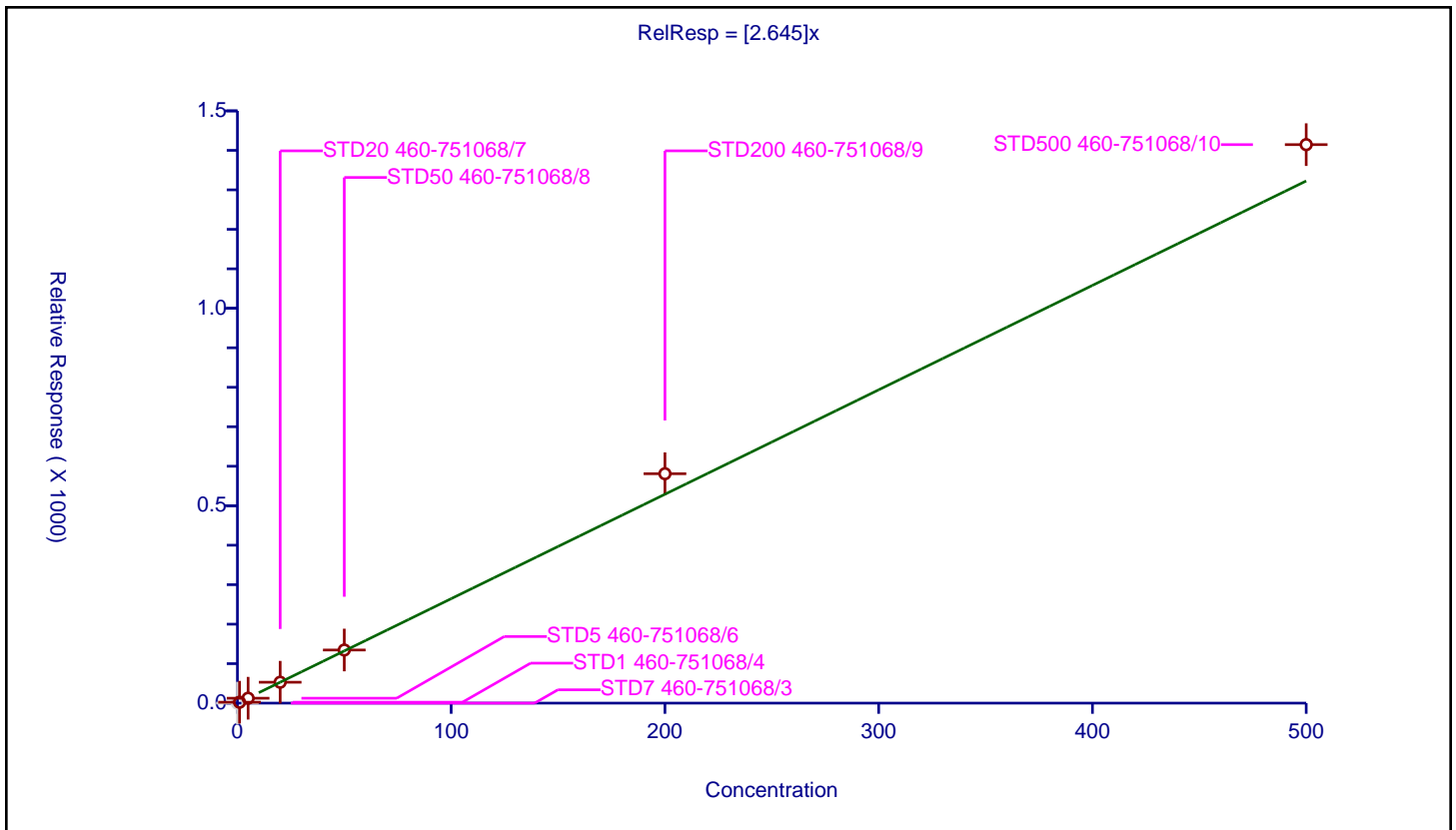
/ 1,2,3-Trimethylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.645

Error Coefficients	
Standard Error:	4180000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.303147	50.0	252307.0	2.303147	Y
3	STD5 460-751068/6	5.0	12.477244	50.0	251582.0	2.495449	Y
4	STD20 460-751068/7	20.0	52.919403	50.0	249760.0	2.64597	Y
5	STD50 460-751068/8	50.0	134.558255	50.0	289488.0	2.691165	Y
6	STD200 460-751068/9	200.0	581.0138	50.0	287601.0	2.905069	Y
7	STD500 460-751068/10	500.0	1414.559886	50.0	307159.0	2.82912	Y



**Calibration**

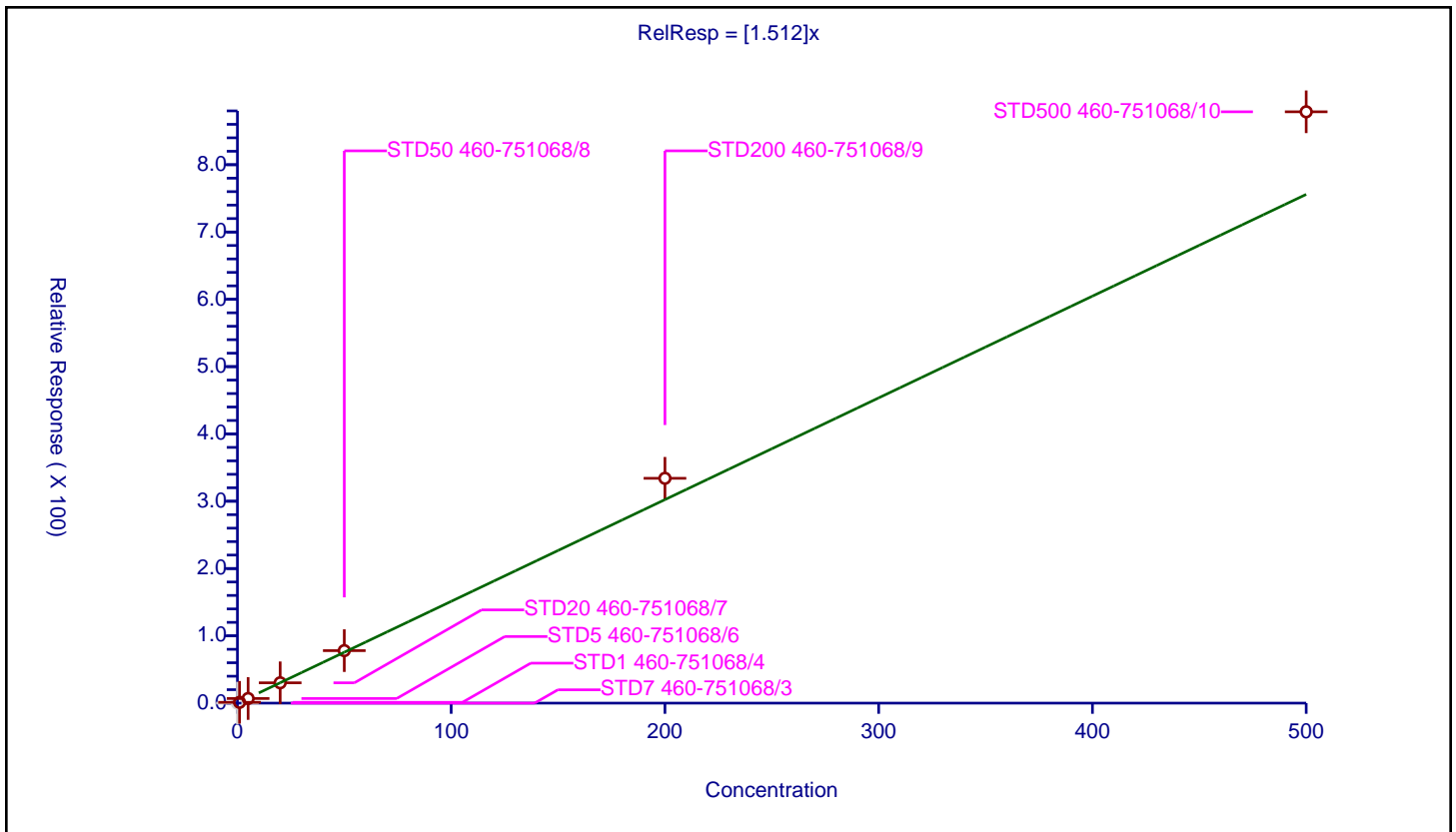
/ Benzyl chloride

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.512

Error Coefficients	
Standard Error:	2570000
Relative Standard Error:	13.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.198738	50.0	252307.0	1.198738	Y
3	STD5 460-751068/6	5.0	6.865555	50.0	251582.0	1.373111	Y
4	STD20 460-751068/7	20.0	30.21901	50.0	249760.0	1.510951	Y
5	STD50 460-751068/8	50.0	78.028796	50.0	289488.0	1.560576	Y
6	STD200 460-751068/9	200.0	334.083852	50.0	287601.0	1.670419	Y
7	STD500 460-751068/10	500.0	878.671958	50.0	307159.0	1.757344	Y



Calibration

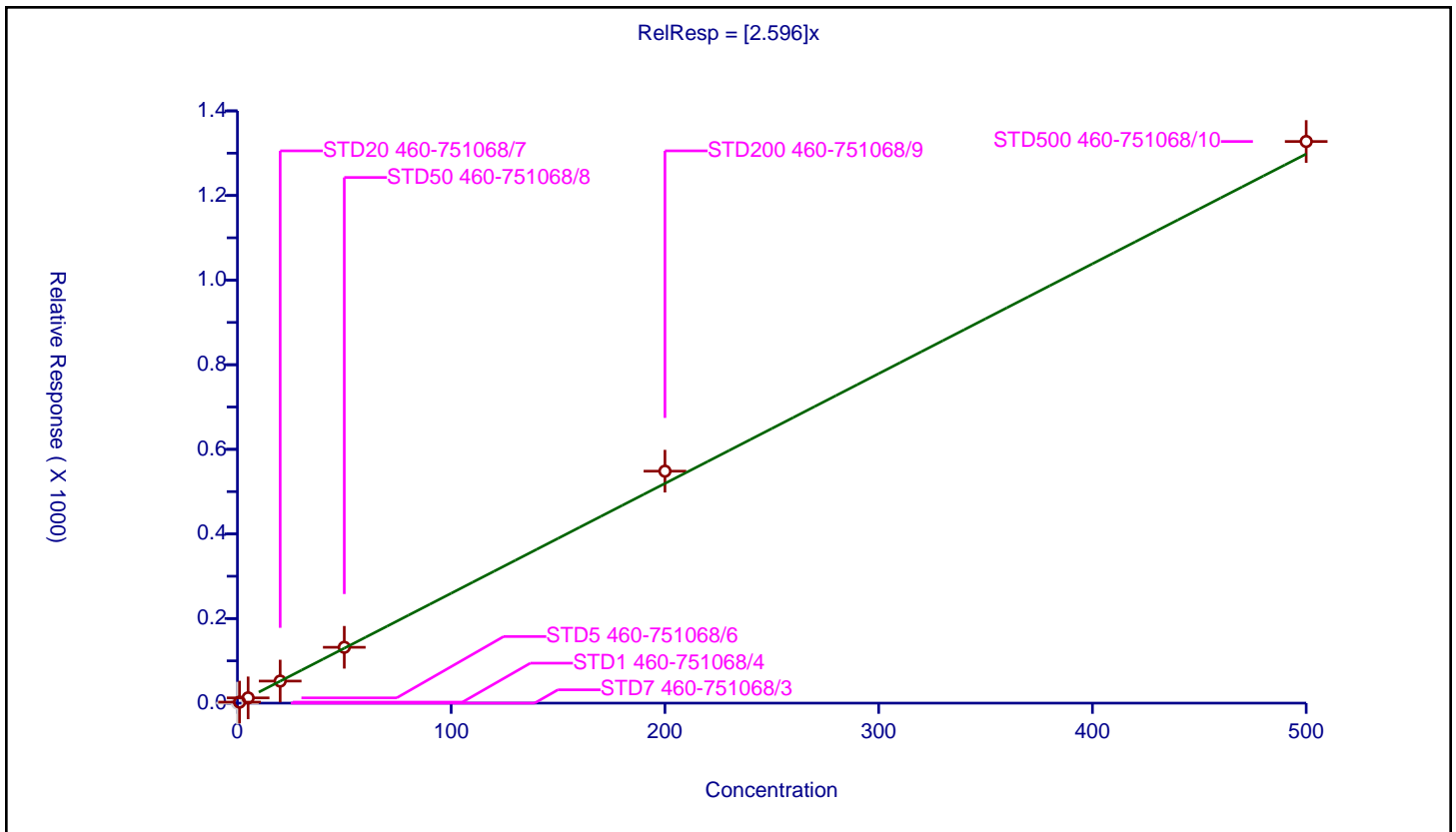
/ 2,3-Dihydroindene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.596

Error Coefficients	
Standard Error:	3930000
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 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.444839	50.0	252307.0	2.444839	Y
3	STD5 460-751068/6	5.0	12.442265	50.0	251582.0	2.488453	Y
4	STD20 460-751068/7	20.0	52.159473	50.0	249760.0	2.607974	Y
5	STD50 460-751068/8	50.0	131.975764	50.0	289488.0	2.639515	Y
6	STD200 460-751068/9	200.0	548.336584	50.0	287601.0	2.741683	Y
7	STD500 460-751068/10	500.0	1327.661407	50.0	307159.0	2.655323	Y



Calibration

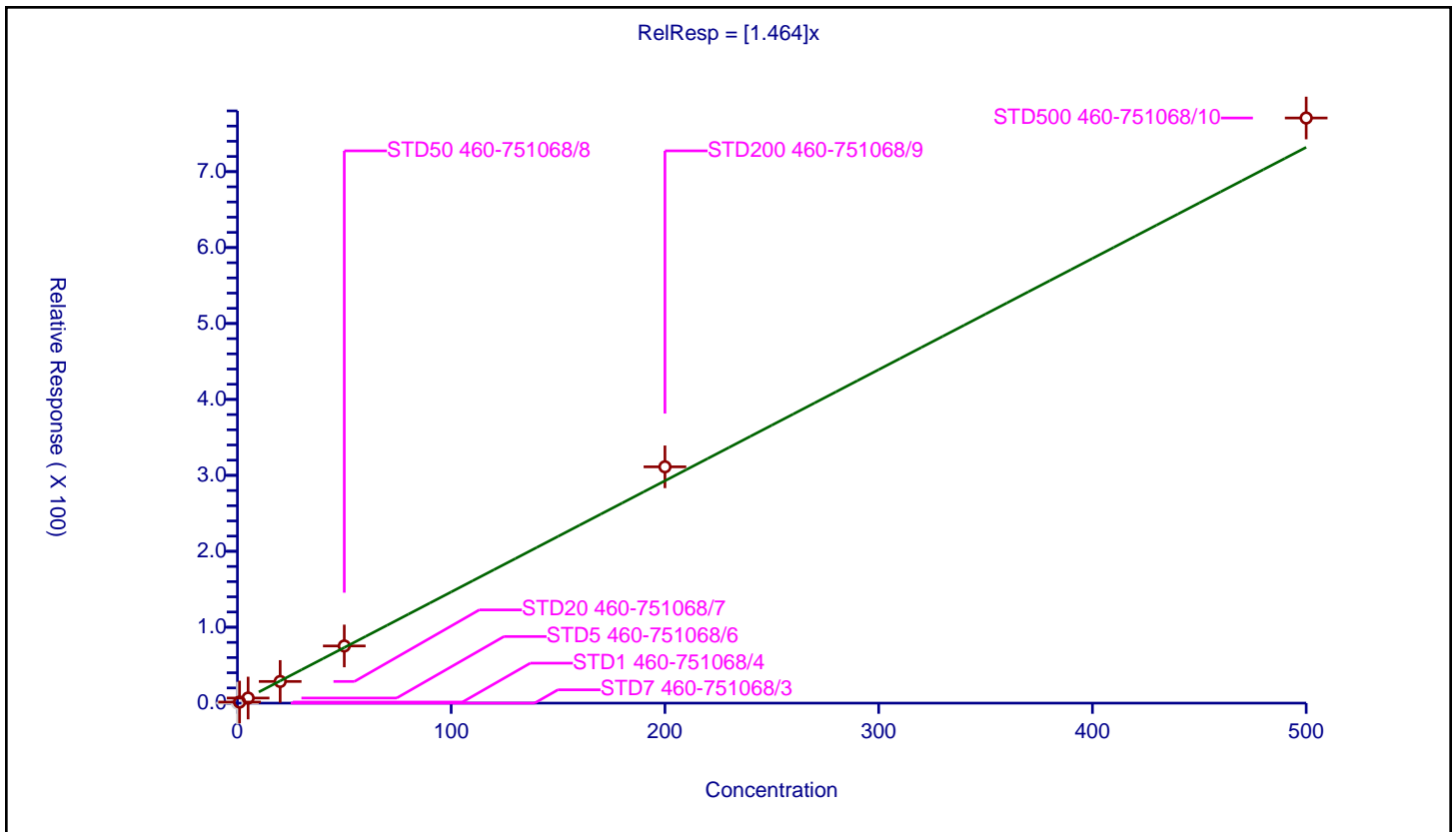
/ p-Diethylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.464

Error Coefficients	
Standard Error:	2270000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.409989	50.0	252307.0	1.409989	Y
3	STD5 460-751068/6	5.0	6.72405	50.0	251582.0	1.34481	Y
4	STD20 460-751068/7	20.0	28.528387	50.0	249760.0	1.426419	Y
5	STD50 460-751068/8	50.0	75.293449	50.0	289488.0	1.505869	Y
6	STD200 460-751068/9	200.0	311.211192	50.0	287601.0	1.556056	Y
7	STD500 460-751068/10	500.0	770.635404	50.0	307159.0	1.541271	Y



**Calibration**

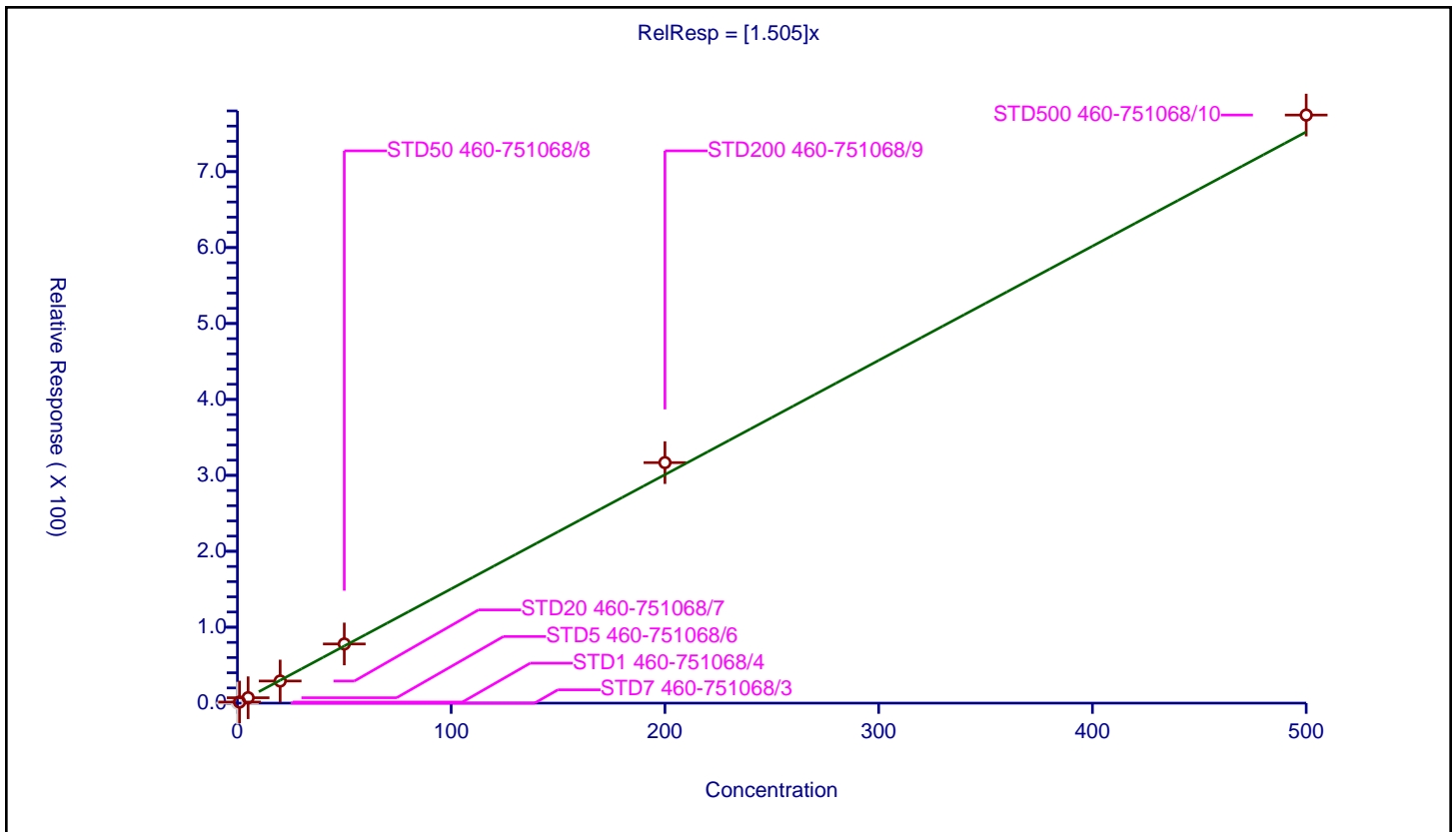
**/ n-Butylbenzene**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.505

Error Coefficients	
Standard Error:	2290000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.455964	50.0	252307.0	1.455964	Y
3	STD5 460-751068/6	5.0	7.117163	50.0	251582.0	1.423433	Y
4	STD20 460-751068/7	20.0	29.13557	50.0	249760.0	1.456779	Y
5	STD50 460-751068/8	50.0	77.930173	50.0	289488.0	1.558603	Y
6	STD200 460-751068/9	200.0	316.781757	50.0	287601.0	1.583909	Y
7	STD500 460-751068/10	500.0	774.516293	50.0	307159.0	1.549033	Y





Calibration

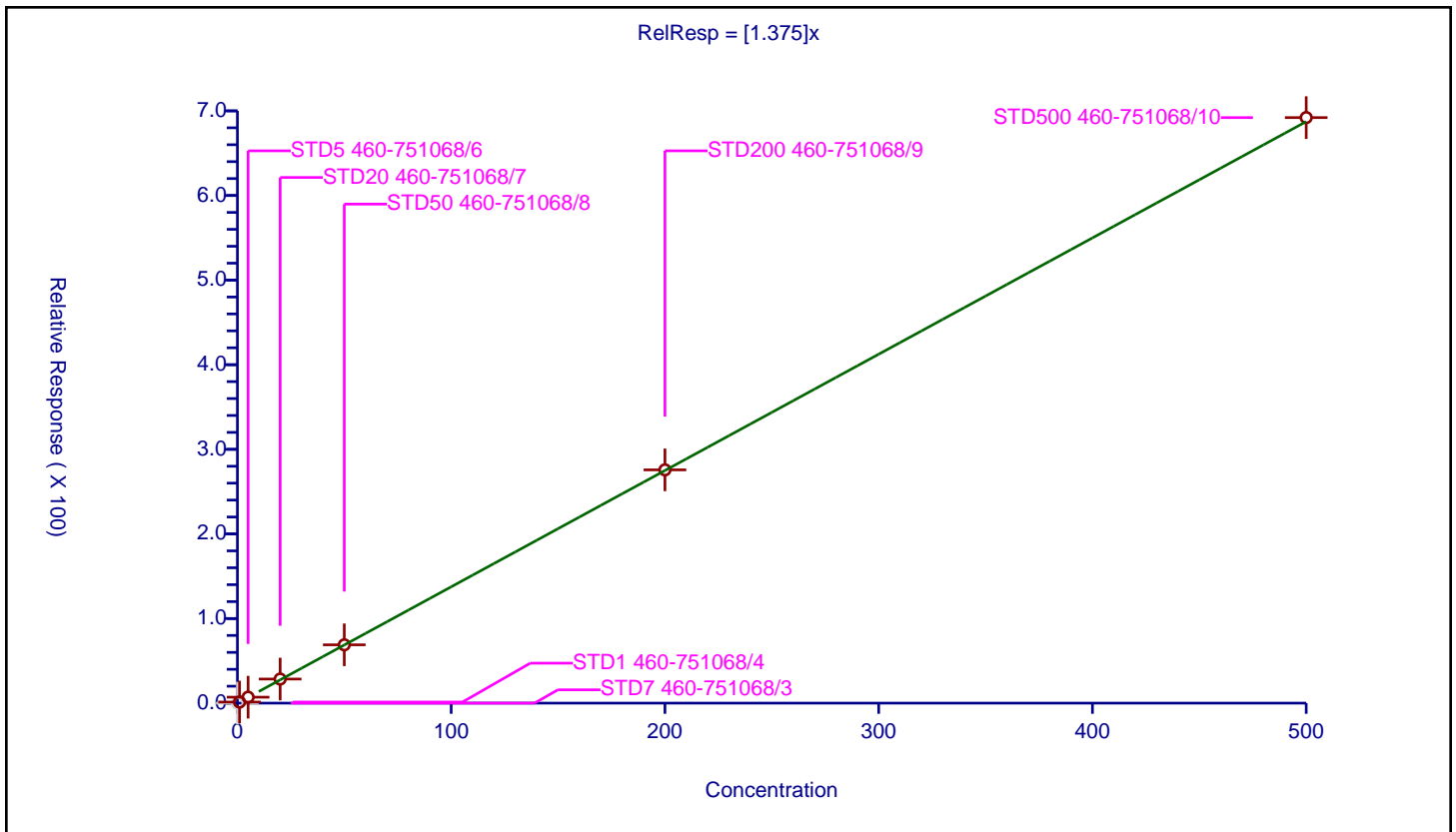
/ 1,2-Dichlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.375

Error Coefficients	
Standard Error:	2040000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.273647	50.0	252307.0	1.273647	Y
3	STD5 460-751068/6	5.0	7.044622	50.0	251582.0	1.408924	Y
4	STD20 460-751068/7	20.0	28.47954	50.0	249760.0	1.423977	Y
5	STD50 460-751068/8	50.0	68.931182	50.0	289488.0	1.378624	Y
6	STD200 460-751068/9	200.0	275.724876	50.0	287601.0	1.378624	Y
7	STD500 460-751068/10	500.0	692.065836	50.0	307159.0	1.384132	Y



Calibration

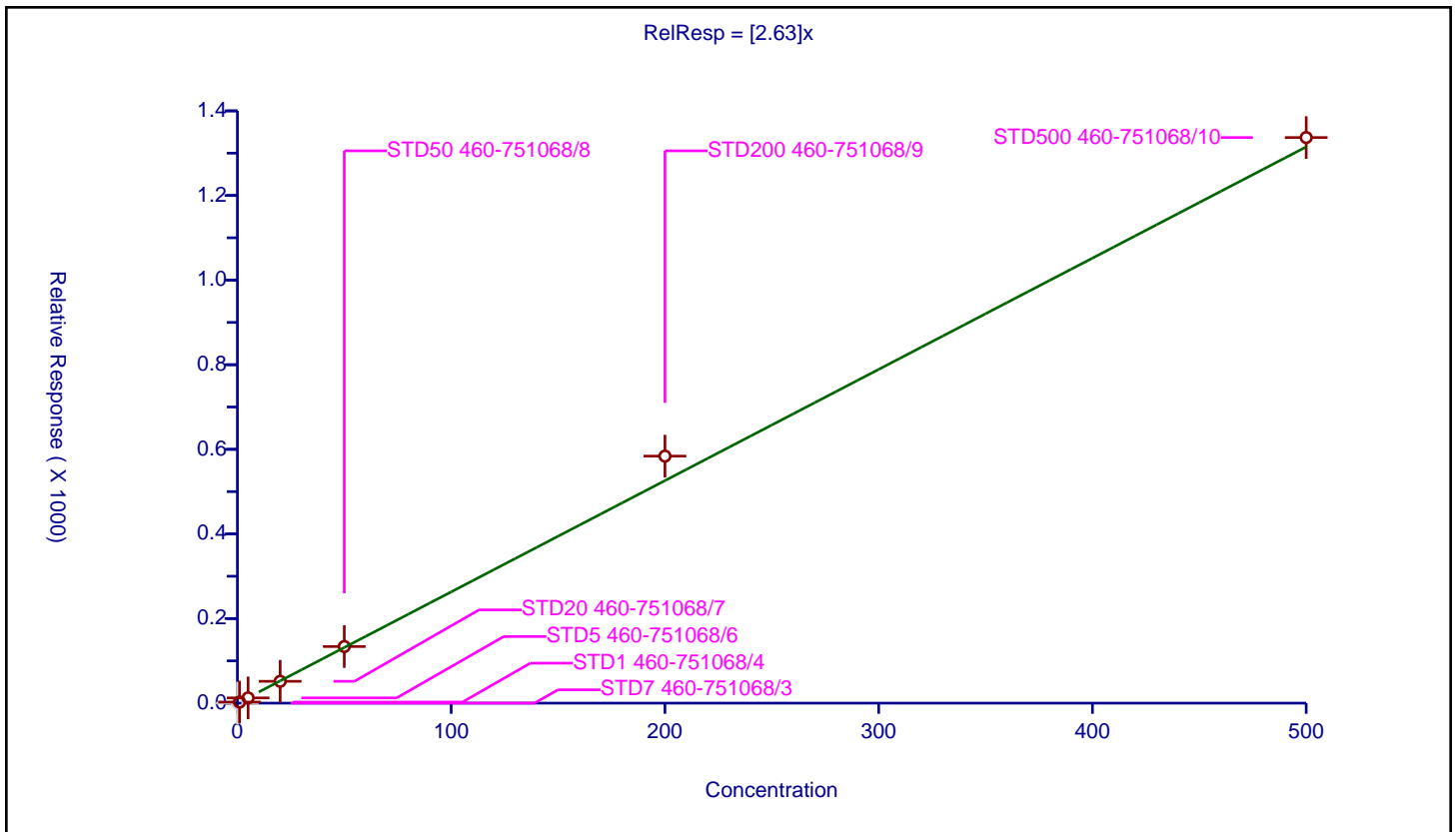
/ 1,2,4,5-Tetramethylbenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.63

Error Coefficients	
Standard Error:	3980000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.4599	50.0	252307.0	2.4599	Y
3	STD5 460-751068/6	5.0	12.347068	50.0	251582.0	2.469414	Y
4	STD20 460-751068/7	20.0	51.585122	50.0	249760.0	2.579256	Y
5	STD50 460-751068/8	50.0	133.827136	50.0	289488.0	2.676543	Y
6	STD200 460-751068/9	200.0	583.949291	50.0	287601.0	2.919746	Y
7	STD500 460-751068/10	500.0	1336.967011	50.0	307159.0	2.673934	Y



Calibration

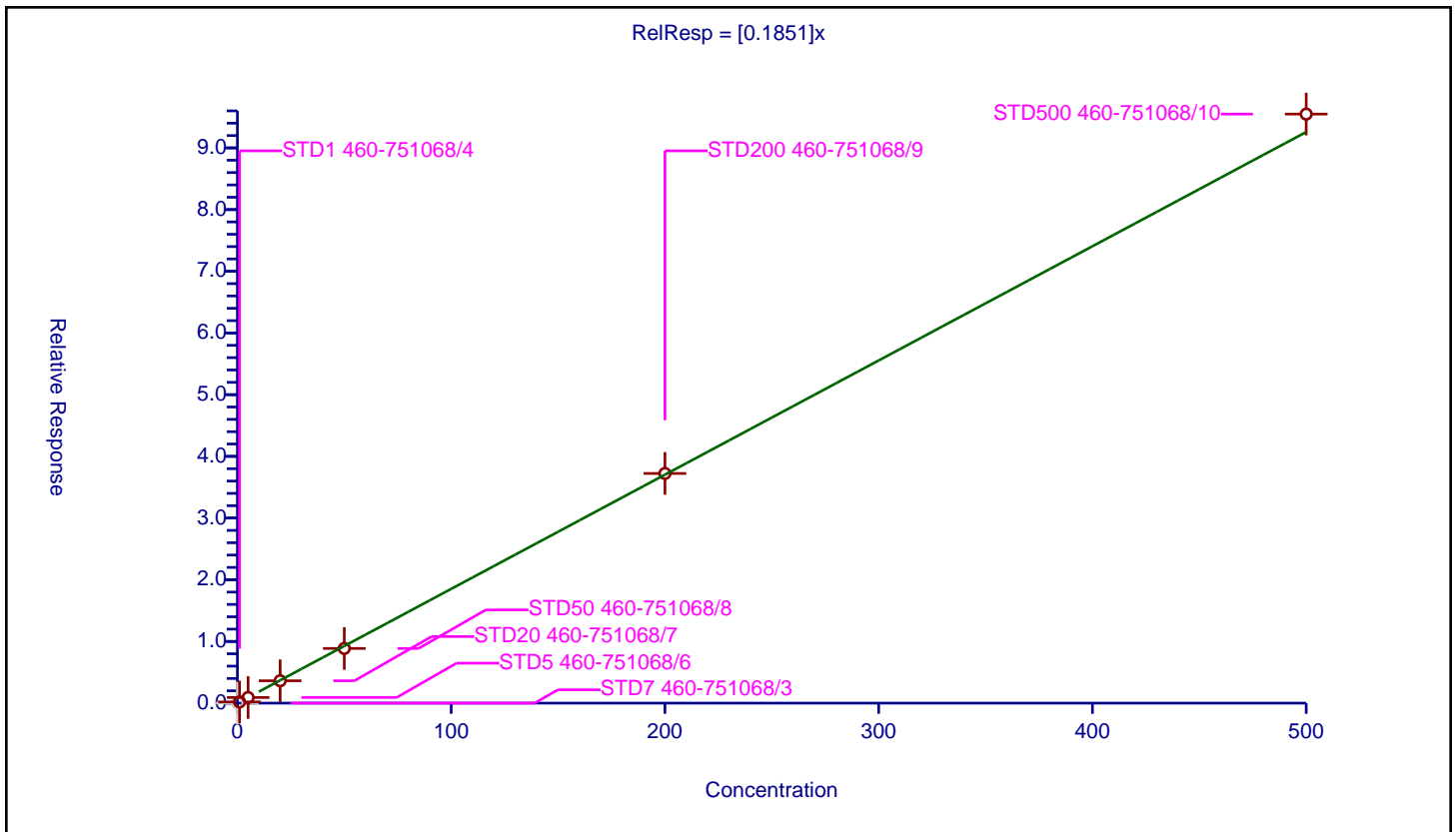
/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1851

Error Coefficients	
Standard Error:	280000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.192622	50.0	252307.0	0.192622	Y
3	STD5 460-751068/6	5.0	0.91342	50.0	251582.0	0.182684	Y
4	STD20 460-751068/7	20.0	3.623479	50.0	249760.0	0.181174	Y
5	STD50 460-751068/8	50.0	8.864443	50.0	289488.0	0.177289	Y
6	STD200 460-751068/9	200.0	37.229356	50.0	287601.0	0.186147	Y
7	STD500 460-751068/10	500.0	95.480842	50.0	307159.0	0.190962	Y



**Calibration**

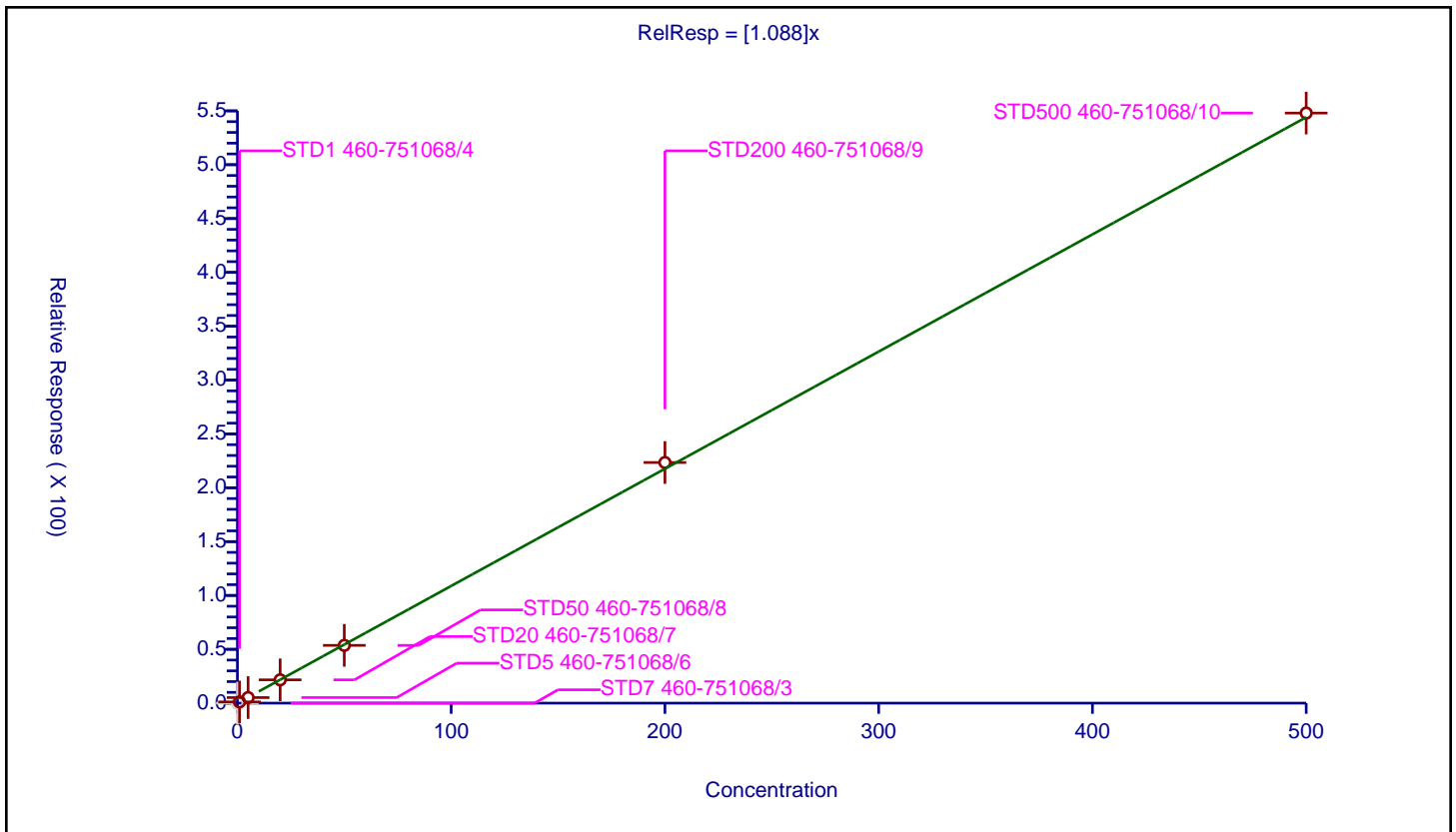
/ 1,3,5-Trichlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.088

Error Coefficients	
Standard Error:	1620000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.129576	50.0	252307.0	1.129576	Y
3	STD5 460-751068/6	5.0	5.16273	50.0	251582.0	1.032546	Y
4	STD20 460-751068/7	20.0	21.621957	50.0	249760.0	1.081098	Y
5	STD50 460-751068/8	50.0	53.642811	50.0	289488.0	1.072856	Y
6	STD200 460-751068/9	200.0	223.453674	50.0	287601.0	1.117268	Y
7	STD500 460-751068/10	500.0	547.960665	50.0	307159.0	1.095921	Y



Calibration

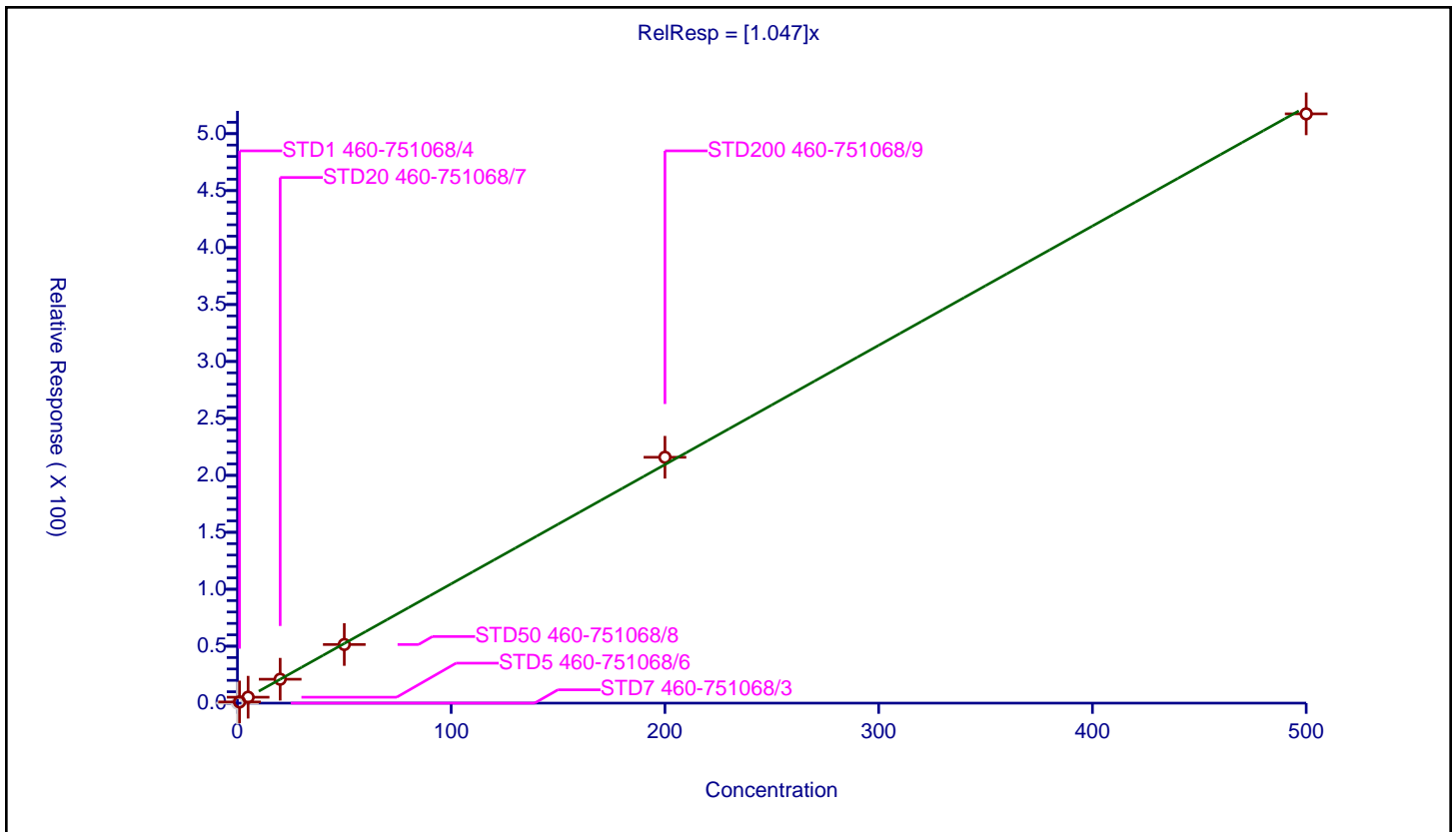
/ 1,2,4-Trichlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.047

Error Coefficients	
Standard Error:	1530000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.047335	50.0	252307.0	1.047335	Y
3	STD5 460-751068/6	5.0	5.212217	50.0	251582.0	1.042443	Y
4	STD20 460-751068/7	20.0	20.998959	50.0	249760.0	1.049948	Y
5	STD50 460-751068/8	50.0	51.481063	50.0	289488.0	1.029621	Y
6	STD200 460-751068/9	200.0	215.867817	50.0	287601.0	1.079339	Y
7	STD500 460-751068/10	500.0	517.411503	50.0	307159.0	1.034823	Y



Calibration

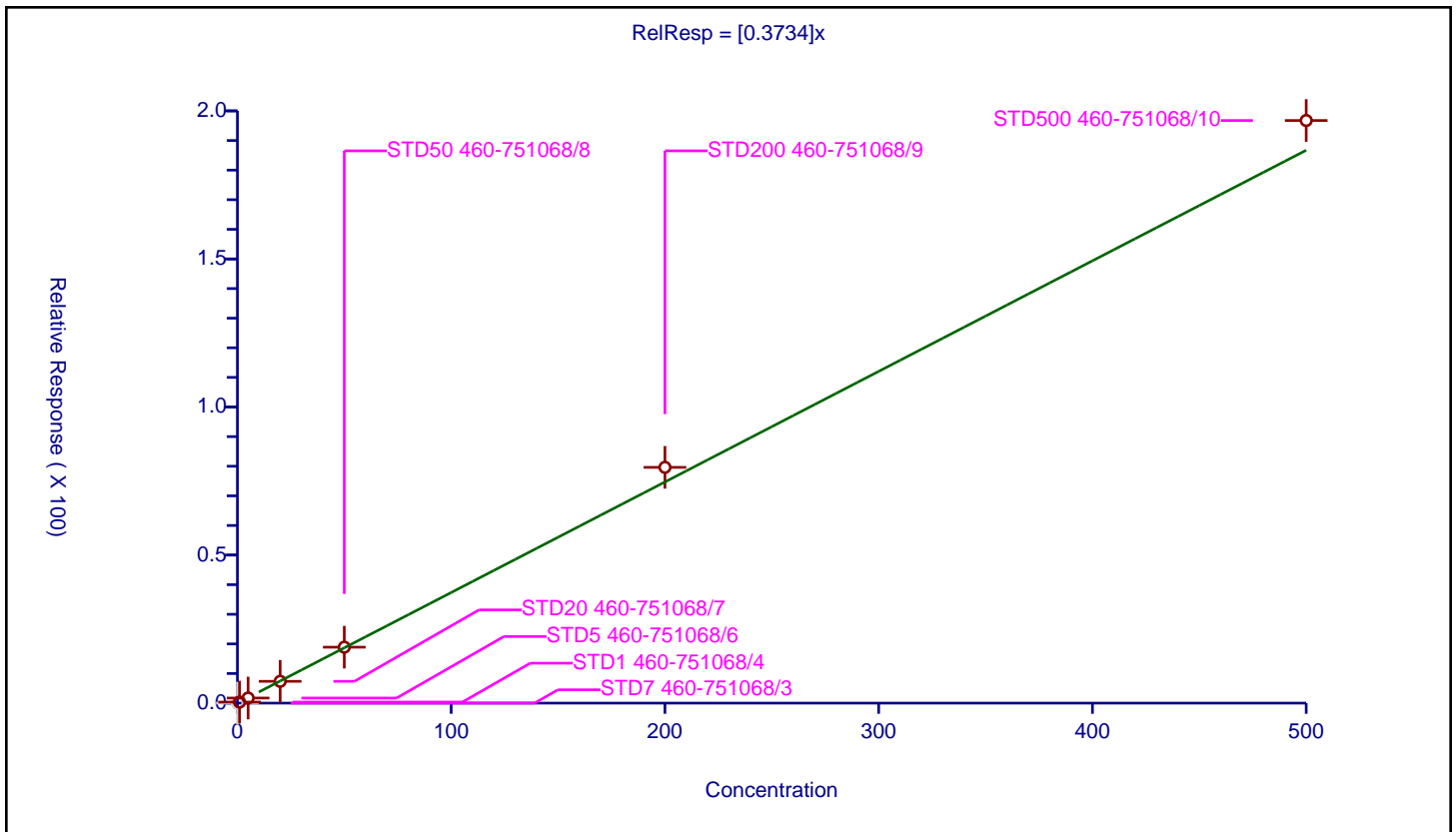
/ Hexachlorobutadiene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3734

Error Coefficients	
Standard Error:	580000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	0.357897	50.0	252307.0	0.357897	Y
3	STD5 460-751068/6	5.0	1.725282	50.0	251582.0	0.345056	Y
4	STD20 460-751068/7	20.0	7.36507	50.0	249760.0	0.368254	Y
5	STD50 460-751068/8	50.0	18.891284	50.0	289488.0	0.377826	Y
6	STD200 460-751068/9	200.0	79.620377	50.0	287601.0	0.398102	Y
7	STD500 460-751068/10	500.0	196.751031	50.0	307159.0	0.393502	Y



**Calibration**

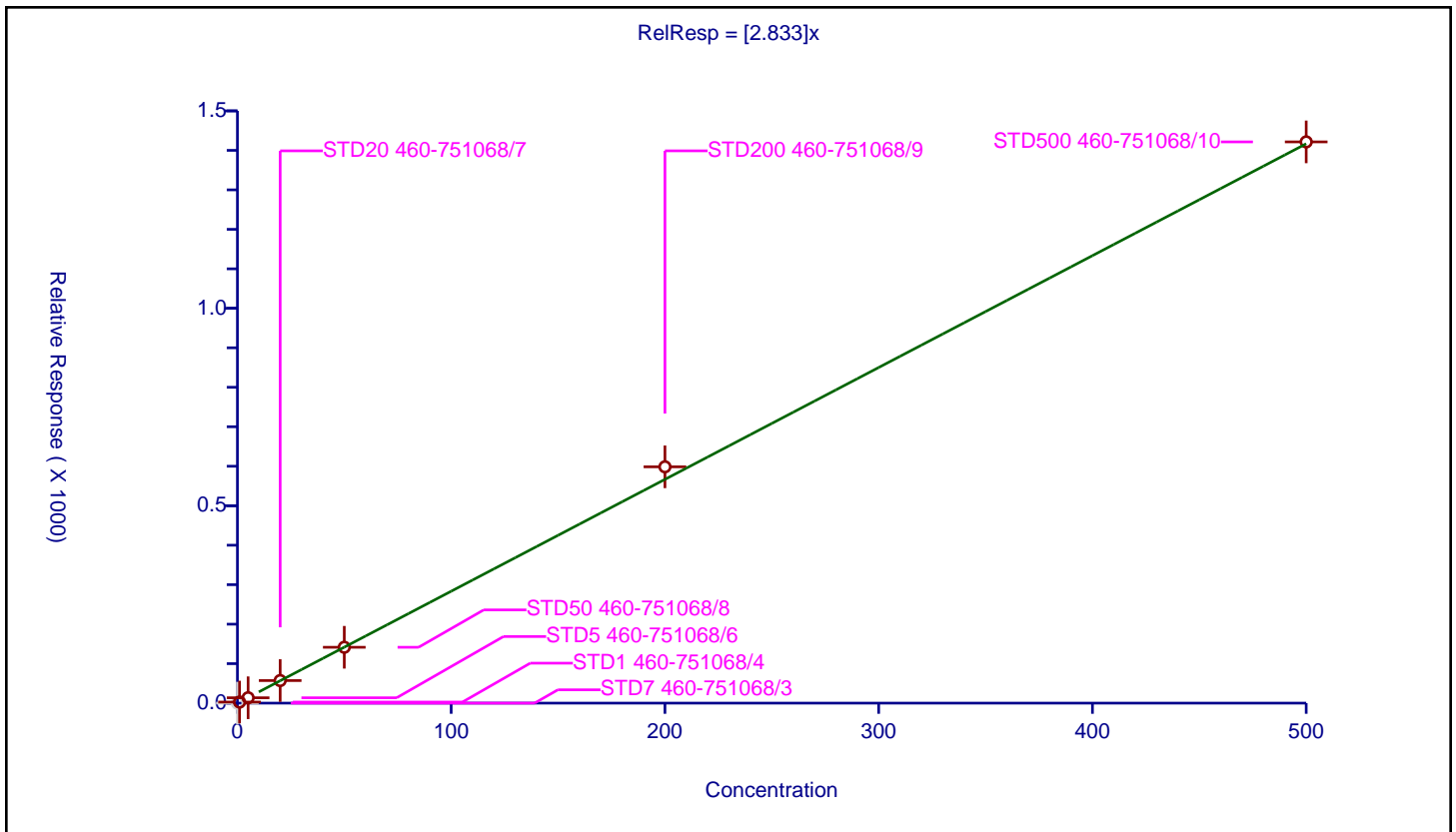
/ Naphthalene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.833

Error Coefficients	
Standard Error:	4220000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	2.764093	50.0	252307.0	2.764093	Y
3	STD5 460-751068/6	5.0	13.568538	50.0	251582.0	2.713708	Y
4	STD20 460-751068/7	20.0	57.146861	50.0	249760.0	2.857343	Y
5	STD50 460-751068/8	50.0	141.501202	50.0	289488.0	2.830024	Y
6	STD200 460-751068/9	200.0	598.530255	50.0	287601.0	2.992651	Y
7	STD500 460-751068/10	500.0	1421.466407	50.0	307159.0	2.842933	Y



Calibration

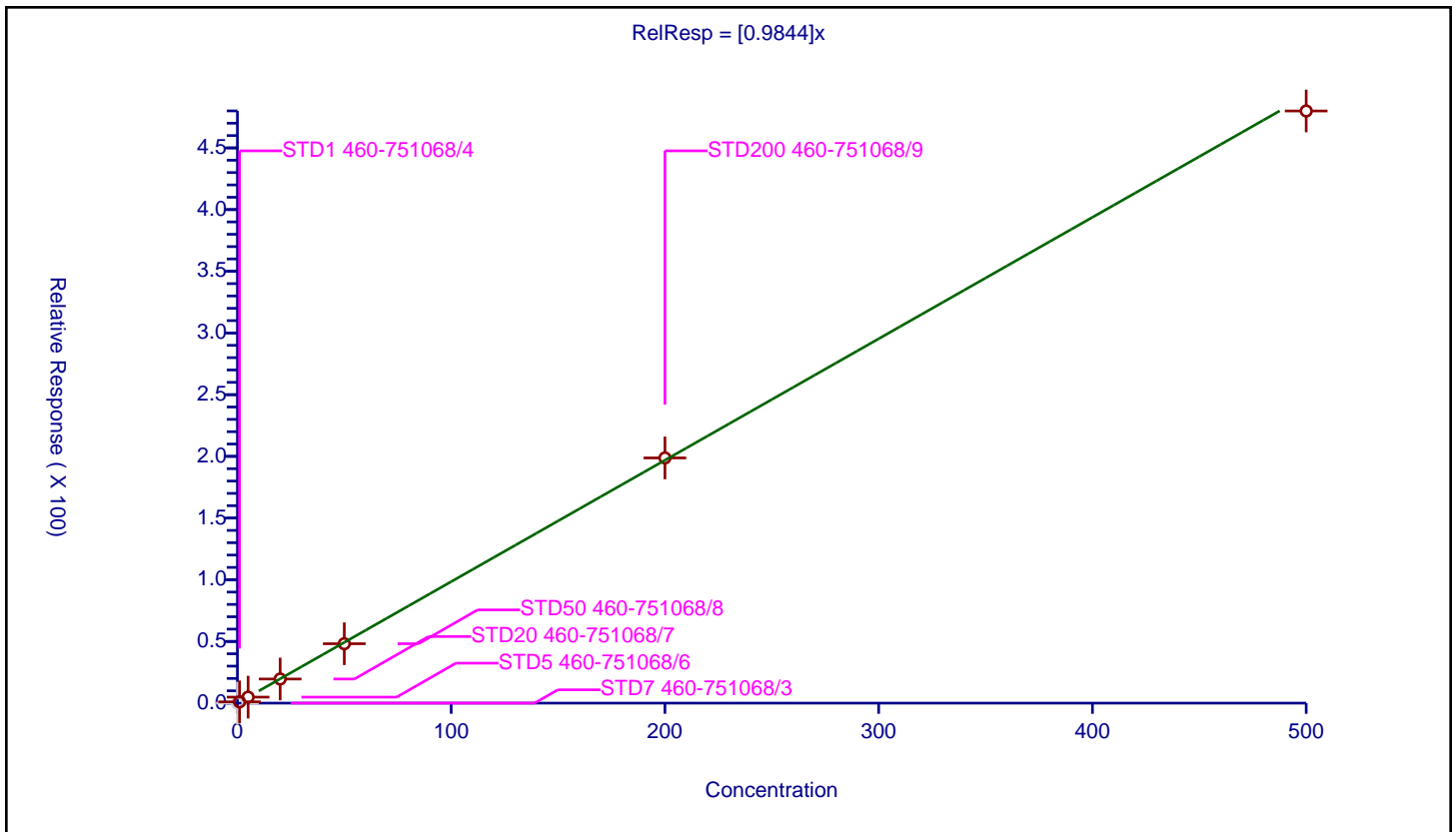
/ 1,2,3-Trichlorobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9844

Error Coefficients	
Standard Error:	1420000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-751068/3	0.0	0.0	50.0	267959.0	NaN	N
2	STD1 460-751068/4	1.0	1.037427	50.0	252307.0	1.037427	Y
3	STD5 460-751068/6	5.0	4.874753	50.0	251582.0	0.974951	Y
4	STD20 460-751068/7	20.0	19.549768	50.0	249760.0	0.977488	Y
5	STD50 460-751068/8	50.0	48.151737	50.0	289488.0	0.963035	Y
6	STD200 460-751068/9	200.0	198.72723	50.0	287601.0	0.993636	Y
7	STD500 460-751068/10	500.0	479.92473	50.0	307159.0	0.959849	Y





FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 460-751068/15 Calibration Date: 01/05/2021 21:01

Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59

Lab File ID: F09461.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	0.3723	0.3176	0.1000	17.1	20.0	-14.7	30.0
Chloromethane	Ave	0.4750	0.4499	0.1000	18.9	20.0	-5.3	30.0
Vinyl chloride	Ave	0.4302	0.4416	0.1000	20.5	20.0	2.6	30.0
Butadiene	Ave	0.3722	0.3621		19.5	20.0	-2.7	30.0
Bromomethane	Ave	0.2899	0.2937	0.1000	20.3	20.0	1.3	30.0
Chloroethane	Ave	0.2677	0.2702	0.1000	20.2	20.0	0.9	30.0
Dichlorofluoromethane	Ave	0.5656	0.6065		21.4	20.0	7.2	30.0
Trichlorofluoromethane	Ave	0.4027	0.4408	0.1000	21.9	20.0	9.5	30.0
Pentane	Ave	2.135	2.188		41.0	40.0	2.5	30.0
Ethanol	Ave	0.0495	0.0528		854	800	6.7	30.0
Ethyl ether	Ave	0.2496	0.2607		20.9	20.0	4.4	30.0
2-Methyl-1,3-butadiene	Ave	0.2551	0.2878		22.6	20.0	12.8	30.0
1,2-Dichloro-1,1,2-trifluoroethane	Ave	0.2612	0.2736		21.0	20.0	4.8	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.4164	0.4461		21.4	20.0	7.1	30.0
Acrolein	Qua2		0.7726		37.4	40.1	-6.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2371	0.2654	0.1000	22.4	20.0	11.9	30.0
1,1-Dichloroethene	Ave	0.2521	0.2574	0.1000	20.4	20.0	2.1	30.0
Acetone	Ave	0.7274	0.7439	0.0500	102	100	2.3	30.0
Iodomethane	Ave	0.4056	0.4369		21.5	20.0	7.7	30.0
Isopropyl alcohol	Ave	0.4445	0.3373		152	200	-24.1	30.0
Carbon disulfide	Ave	0.9221	0.9283	0.1000	20.1	20.0	0.7	30.0
3-Chloro-1-propene	Ave	0.5488	0.5565		20.3	20.0	1.4	30.0
Methyl acetate	Ave	0.1981	0.2168	0.1000	43.8	40.0	9.4	30.0
Cyclopentene	Ave	0.6474	0.7116		22.0	20.0	9.9	30.0
Acetonitrile	Ave	1.209	1.261		209	200	4.4	30.0
Methylene Chloride	Ave	0.3074	0.3123	0.1000	20.3	20.0	1.6	30.0
2-Methyl-2-propanol	Ave	0.9674	0.9686		200	200	0.1	30.0
Methyl tert-butyl ether	Ave	0.7792	0.7975	0.1000	20.5	20.0	2.3	30.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2749	0.1000	20.1	20.0	0.6	30.0
Acrylonitrile	Ave	0.1179	0.1184		201	200	0.4	30.0
Hexane	Ave	0.2269	0.2201		19.4	20.0	-3.0	30.0
Isopropyl ether	Ave	0.8461	0.8344		19.7	20.0	-1.4	30.0
1,1-Dichloroethane	Ave	0.4647	0.4718	0.2000	20.3	20.0	1.5	30.0
Vinyl acetate	Ave	0.0573	0.0493		34.4	40.0	-13.9	30.0
2-Chloro-1,3-butadiene	Ave	0.2186	0.2169		19.8	20.0	-0.8	30.0
Tert-butyl ethyl ether	Ave	0.7995	0.8189		20.5	20.0	2.4	30.0
2,2-Dichloropropane	Ave	0.0881	0.0873		19.8	20.0	-0.9	30.0
cis-1,2-Dichloroethene	Ave	0.2834	0.2875	0.1000	20.3	20.0	1.5	30.0
2-Butanone (MEK)	Ave	0.2643	0.2572	0.0500	97.3	100	-2.7	30.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 460-751068/15 Calibration Date: 01/05/2021 21:01  
 Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09  
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59  
 Lab File ID: F09461.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	Ave	0.2094	0.2294		43.8	40.0	9.6	30.0
Methyl acrylate	Ave	0.2785	0.2898		20.8	20.0	4.1	30.0
Propionitrile	Ave	1.463	1.305		178	200	-10.8	30.0
Chlorobromomethane	Ave	0.1397	0.1345		19.3	20.0	-3.7	30.0
Tetrahydrofuran	Ave	0.3174	0.3220		40.6	40.0	1.5	30.0
Methacrylonitrile	Ave	0.1105	0.1079		195	200	-2.4	30.0
Chloroform	Ave	0.4181	0.4241	0.2000	20.3	20.0	1.4	30.0
Cyclohexane	Ave	0.4285	0.4627	0.1000	21.6	20.0	8.0	30.0
1,1,1-Trichloroethane	Ave	0.3747	0.3843	0.1000	20.5	20.0	2.5	30.0
Carbon tetrachloride	Ave	0.2869	0.3003	0.1000	20.9	20.0	4.7	30.0
1,1-Dichloropropene	Ave	0.3152	0.3123		19.8	20.0	-0.9	30.0
Isobutyl alcohol	Ave	0.5725	0.5205		455	500	-9.1	30.0
Benzene	Ave	1.356	1.358	0.5000	20.0	20.0	0.0	30.0
Isopropyl acetate	Ave	0.8337	0.8200		19.7	20.0	-1.6	30.0
Tert-amyl methyl ether	Ave	0.9254	0.8930		19.3	20.0	-3.5	30.0
1,2-Dichloroethane	Ave	0.3016	0.2987	0.1000	19.8	20.0	-1.0	30.0
n-Heptane	Ave	0.1936	0.1900		19.6	20.0	-1.9	30.0
n-Butanol	QuaF		0.1846		546	500	9.2	30.0
Trichloroethene	Ave	0.2207	0.2142	0.2000	19.4	20.0	-3.0	30.0
Ethyl acrylate	Ave	0.6280	0.6346		20.2	20.0	1.0	30.0
Methylcyclohexane	Ave	0.4671	0.5056	0.1000	21.7	20.0	8.3	30.0
1,2-Dichloropropane	Ave	0.2433	0.2536	0.1000	20.8	20.0	4.2	30.0
Methyl methacrylate	Ave	0.0632	0.0627		39.7	40.0	-0.9	30.0
1,4-Dioxane	Ave	0.7633	0.7543		395	400	-1.2	30.0
Dibromomethane	Ave	0.1514	0.1432		18.9	20.0	-5.5	30.0
n-Propyl acetate	Ave	0.3391	0.3302		19.5	20.0	-2.6	30.0
Dichlorobromomethane	Ave	0.2909	0.2867	0.2000	19.7	20.0	-1.4	30.0
2-Nitropropane	Ave	0.0653	0.0565		34.6	40.0	-13.5	30.0
2-Chloroethyl vinyl ether	Ave	0.1372	0.1340		19.5	20.0	-2.3	30.0
Epichlorohydrin	Ave	0.1981	0.2407		24.3	20.0	21.5	30.0
cis-1,3-Dichloropropene	Ave	0.5010	0.4801	0.2000	19.2	20.0	-4.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	2.270	2.270	0.0500	100	100	0.0	30.0
Toluene	Ave	1.406	1.400	0.4000	19.9	20.0	-0.5	30.0
trans-1,3-Dichloropropene	Ave	0.4330	0.4161	0.1000	19.2	20.0	-3.9	30.0
Ethyl methacrylate	Ave	0.4417	0.4117		18.6	20.0	-6.8	30.0
1,1,2-Trichloroethane	Ave	0.2351	0.2410	0.1000	20.5	20.0	2.5	30.0
Tetrachloroethene	Ave	0.3098	0.3136	0.2000	20.2	20.0	1.2	30.0
1,3-Dichloropropane	Ave	0.4915	0.4966		20.2	20.0	1.0	30.0
2-Hexanone	Ave	1.379	1.392	0.0500	101	100	0.9	30.0
n-Butyl acetate	Ave	0.5585	0.5374		19.2	20.0	-3.8	30.0
Chlorodibromomethane	Ave	0.2830	0.2880	0.1000	20.4	20.0	1.8	30.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 460-751068/15 Calibration Date: 01/05/2021 21:01  
 Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09  
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59  
 Lab File ID: F09461.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	Ave	0.2887	0.2788	0.1000	19.3	20.0	-3.4	30.0
Chlorobenzene	Ave	0.8968	0.9006	0.5000	20.1	20.0	0.4	30.0
Ethylbenzene	Ave	0.5036	0.5050	0.1000	20.1	20.0	0.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3277	0.3277		20.0	20.0	0.0	30.0
m-Xylene & p-Xylene	Ave	0.6058	0.6221	0.1000	20.5	20.0	2.7	30.0
n-Butyl acrylate	Ave	0.2920	0.2816		19.3	20.0	-3.6	30.0
o-Xylene	Ave	0.6582	0.6815	0.3000	20.7	20.0	3.5	30.0
Styrene	Ave	0.9947	1.002	0.3000	20.1	20.0	0.7	30.0
Amyl acetate (mixed isomers)	Ave	1.245	1.175		18.9	20.0	-5.6	30.0
Bromoform	Ave	0.2032	0.2006	0.1000	19.7	20.0	-1.3	30.0
Isopropylbenzene	Ave	1.688	1.739	0.1000	20.6	20.0	3.0	30.0
Bromobenzene	Ave	0.6564	0.6306		19.2	20.0	-3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7554	0.7428	0.3000	19.7	20.0	-1.7	30.0
N-Propylbenzene	Ave	3.386	3.294		19.5	20.0	-2.7	30.0
1,2,3-Trichloropropane	Ave	0.2281	0.2199		19.3	20.0	-3.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1901	0.1928		20.3	20.0	1.4	30.0
2-Chlorotoluene	Ave	2.337	2.223		19.0	20.0	-4.9	30.0
4-Ethyltoluene	Ave	2.783	2.707		19.5	20.0	-2.7	30.0
1,3,5-Trimethylbenzene	Ave	2.347	2.309		19.7	20.0	-1.6	30.0
4-Chlorotoluene	Ave	2.088	1.991		19.1	20.0	-4.6	30.0
Butyl Methacrylate	Ave	0.8534	0.8161		19.1	20.0	-4.4	30.0
tert-Butylbenzene	Ave	1.815	1.755		19.3	20.0	-3.3	30.0
1,2,4-Trimethylbenzene	Ave	2.478	2.430		19.6	20.0	-1.9	30.0
sec-Butylbenzene	Ave	3.066	3.061		20.0	20.0	-0.2	30.0
1,3-Dichlorobenzene	Ave	1.342	1.325	0.6000	19.7	20.0	-1.3	30.0
4-Isopropyltoluene	Ave	2.638	2.625		19.9	20.0	-0.5	30.0
1,4-Dichlorobenzene	Ave	1.382	1.337	0.5000	19.4	20.0	-3.2	30.0
1,2,3-Trimethylbenzene	Ave	2.645	2.613		19.8	20.0	-1.2	30.0
Benzyl chloride	Ave	1.512	1.387		18.4	20.0	-8.2	30.0
Indan	Ave	2.596	2.614		20.1	20.0	0.7	30.0
p-Diethylbenzene	Ave	1.464	1.491		20.4	20.0	1.8	30.0
n-Butylbenzene	Ave	1.505	1.506		20.0	20.0	0.0	30.0
1,2-Dichlorobenzene	Ave	1.375	1.371	0.4000	19.9	20.0	-0.3	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.630	2.576		19.6	20.0	-2.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1851	0.1738	0.0500	18.8	20.0	-6.1	30.0
1,3,5-Trichlorobenzene	Ave	1.088	1.063		19.5	20.0	-2.3	30.0
1,2,4-Trichlorobenzene	Ave	1.047	1.039	0.2000	19.8	20.0	-0.8	30.0
Hexachlorobutadiene	Ave	0.3734	0.3702		19.8	20.0	-0.9	30.0
Naphthalene	Ave	2.833	2.764		19.5	20.0	-2.5	30.0
1,2,3-Trichlorobenzene	Ave	0.9844	0.9667		19.6	20.0	-1.8	30.0
Dibromofluoromethane (Surr)	Ave	0.2706	0.2696		49.8	50.0	-0.4	30.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 460-751068/15 Calibration Date: 01/05/2021 21:01  
 Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09  
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59  
 Lab File ID: F09461.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	0.3161	0.3133		49.6	50.0	-0.9	30.0
Toluene-d8 (Surr)	Ave	1.470	1.481		50.4	50.0	0.7	30.0
4-Bromofluorobenzene	Ave	0.4438	0.4539		51.1	50.0	2.3	30.0

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09461.D  
 Lims ID: ICV  
 Client ID:  
 Sample Type: ICV  
 Inject. Date: 05-Jan-2021 21:01:30 ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: ICV  
 Misc. Info.: 460-0122504-015  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub55  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:26:01 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: kluseys

Date: 06-Jan-2021 19:17:47

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	1.566	-0.017	67	77210	20.0	17.1	
2 Chloromethane	50	1.714	1.730	-0.016	99	109370	20.0	18.9	
4 Vinyl chloride	62	1.788	1.804	-0.016	98	107345	20.0	20.5	
3 Butadiene	54	1.796	1.812	-0.016	97	88021	20.0	19.5	
5 Bromomethane	94	2.067	2.075	-0.008	99	71388	20.0	20.3	
6 Chloroethane	64	2.124	2.133	-0.009	100	65685	20.0	20.2	
7 Dichlorofluoromethane	67	2.281	2.289	-0.008	98	147428	20.0	21.4	
8 Trichlorofluoromethane	101	2.289	2.305	-0.016	59	107159	20.0	21.9	
9 Pentane	72	2.322	2.330	-0.008	97	32127	40.0	41.0	
10 Ethyl ether	59	2.486	2.494	-0.008	94	63364	20.0	20.9	
11 Ethanol	46	2.486	2.494	-0.008	69	15509	800.0	853.7	
12 2-Methyl-1,3-butadiene	53	2.511	2.519	-0.008	93	69964	20.0	22.6	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.552	2.560	-0.008	85	66518	20.0	21.0	
14 1,1,1-Trifluoro-2,2-dichloroethane	83	2.601	2.609	-0.008	91	108443	20.0	21.4	
15 Acrolein	56	2.659	2.659	0.000	60	11358	40.1	37.4	
16 112TCTFE	101	2.675	2.683	-0.008	94	64507	20.0	22.4	
17 1,1-Dichloroethene	96	2.691	2.708	-0.017	97	62567	20.0	20.4	
18 Acetone	43	2.774	2.782	-0.008	79	105775	100.0	102.3	
19 Iodomethane	142	2.848	2.856	-0.008	96	106203	20.0	21.5	
20 Isopropyl alcohol	45	2.864	2.872	-0.008	26	24760	200.0	151.8	
21 Carbon disulfide	76	2.872	2.880	-0.008	100	225659	20.0	20.1	
22 3-Chloro-1-propene	41	2.979	2.995	-0.016	94	135287	20.0	20.3	
23 Methyl acetate	43	2.995	2.995	0.000	99	105413	40.0	43.8	
24 Cyclopentene	67	3.004	3.012	-0.008	93	172986	20.0	22.0	
25 Acetonitrile	41	3.069	3.086	-0.017	35	92587	200.0	208.7	a
26 Methylene Chloride	84	3.110	3.119	-0.009	98	75921	20.0	20.3	
* 27 TBA-d9 (IS)	65	3.119	3.127	-0.008	0	367027	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.168	3.201	-0.033	88	71102	200.0	200.3	a
29 Methyl tert-butyl ether	73	3.258	3.267	-0.009	97	193861	20.0	20.5	
30 trans-1,2-Dichloroethene	96	3.283	3.291	-0.008	95	66816	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	3.349	3.357	-0.008	96	287734	200.0	200.8	
32 Hexane	43	3.423	3.431	-0.008	93	53501	20.0	19.4	
33 Isopropyl ether	45	3.628	3.636	-0.008	92	202843	20.0	19.7	
34 1,1-Dichloroethane	63	3.653	3.661	-0.008	66	114682	20.0	20.3	
35 Vinyl acetate	86	3.661	3.669	-0.008	100	23986	40.0	34.4	
36 2-Chloro-1,3-butadiene	88	3.694	3.702	-0.008	91	52719	20.0	19.8	
37 Tert-butyl ethyl ether	59	3.932	3.940	-0.008	89	199056	20.0	20.5	
* 38 2-Butanone-d5	46	4.113	4.113	0.000	0	355457	250.0	250.0	
39 2,2-Dichloropropane	97	4.146	4.146	0.000	86	21222	20.0	19.8	
40 cis-1,2-Dichloroethene	96	4.154	4.162	-0.008	94	69899	20.0	20.3	
42 2-Butanone (MEK)	72	4.162	4.171	-0.008	96	36572	100.0	97.3	
41 Ethyl acetate	70	4.170	4.171	0.000	94	13047	40.0	43.8	
43 Methyl acrylate	55	4.220	4.228	-0.008	57	51278	20.0	20.8	a
44 Propionitrile	54	4.294	4.302	-0.008	97	95814	200.0	178.4	
45 Chlorobromomethane	128	4.368	4.376	-0.008	87	32694	20.0	19.3	
46 Tetrahydrofuran	72	4.368	4.384	-0.016	64	18313	40.0	40.6	
47 Methacrylonitrile	67	4.392	4.392	0.000	93	262264	200.0	195.2	
48 Chloroform	83	4.417	4.425	-0.008	97	103085	20.0	20.3	
49 Cyclohexane	84	4.565	4.565	0.000	91	112481	20.0	21.6	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.581	-0.008	97	163816	50.0	49.8	
50 1,1,1-Trichloroethane	97	4.573	4.581	-0.008	64	93415	20.0	20.5	
52 Carbon tetrachloride	117	4.688	4.688	0.000	96	73007	20.0	20.9	
53 1,1-Dichloropropene	75	4.705	4.713	-0.008	97	75929	20.0	19.8	
54 Isobutyl alcohol	43	4.869	4.877	-0.008	88	95513	500.0	454.6	
55 Benzene	78	4.902	4.902	0.000	96	240237	20.0	20.0	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.918	-0.008	0	190417	50.0	49.6	
57 Isopropyl acetate	43	4.959	4.959	0.000	94	199332	20.0	19.7	
58 Tert-amyl methyl ether	73	4.967	4.976	-0.009	91	217072	20.0	19.3	
59 1,2-Dichloroethane	62	4.984	4.992	-0.008	96	72599	20.0	19.8	
60 n-Heptane	57	5.050	5.058	-0.008	92	46191	20.0	19.6	
* 61 Fluorobenzene	96	5.181	5.181	0.000	99	607726	50.0	50.0	
62 n-Butanol	56	5.477	5.477	0.000	86	33870	500.0	546.2	
63 Trichloroethene	95	5.526	5.526	0.000	97	52066	20.0	19.4	
64 Ethyl acrylate	55	5.649	5.650	-0.001	98	154256	20.0	20.2	
65 Methylcyclohexane	83	5.658	5.658	0.000	88	122918	20.0	21.7	
66 1,2-Dichloropropane	63	5.806	5.814	-0.008	89	61659	20.0	20.8	
* 67 1,4-Dioxane-d8	96	5.871	5.880	-0.009	0	33112	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	90	30472	40.0	39.7	
71 1,4-Dioxane	88	5.921	5.921	0.000	33	9990	400.0	395.3	
69 Dibromomethane	93	5.929	5.937	-0.008	97	34808	20.0	18.9	
70 n-Propyl acetate	43	5.945	5.945	0.000	99	80272	20.0	19.5	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	69697	20.0	19.7	
74 2-Nitropropane	41	6.414	6.414	0.000	87	27455	40.0	34.6	
73 2-Chloroethyl vinyl ether	63	6.422	6.422	0.000	92	32583	20.0	19.5	
75 Epichlorohydrin	57	6.512	6.521	-0.009	69	6844	20.0	24.3	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	94	84956	20.0	19.2	
77 4-Methyl-2-pentanone (MIBK)	43	6.742	6.742	0.000	97	322801	100.0	100.0	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	-0.001	99	655050	50.0	50.4	
79 Toluene	91	6.898	6.899	-0.001	93	247659	20.0	19.9	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	98	73625	20.0	19.2	
81 Ethyl methacrylate	69	7.276	7.277	0.000	91	72855	20.0	18.6	
82 1,1,2-Trichloroethane	83	7.449	7.457	-0.008	94	42643	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.498	7.498	0.000	96	55495	20.0	20.2	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	93	87867	20.0	20.2	
85 2-Hexanone	43	7.728	7.728	0.000	96	197869	100.0	100.9	
86 n-Butyl acetate	43	7.843	7.852	-0.009	99	95095	20.0	19.2	
87 Chlorodibromomethane	129	7.884	7.893	-0.009	99	50968	20.0	20.4	
88 Ethylene Dibromide	107	8.041	8.041	0.000	97	49340	20.0	19.3	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	87	442364	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	95	159357	20.0	20.1	
91 Ethylbenzene	106	8.731	8.731	0.000	99	89360	20.0	20.1	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	95	57987	20.0	20.0	
93 m-Xylene & p-Xylene	106	8.895	8.895	0.000	0	110074	20.0	20.5	
94 n-Butyl acrylate	73	9.372	9.364	0.008	98	49823	20.0	19.3	
95 o-Xylene	106	9.372	9.372	0.000	94	120585	20.0	20.7	
96 Styrene	104	9.405	9.405	0.000	97	177298	20.0	20.1	
97 Amyl acetate (mixed isomers)	43	9.610	9.610	0.000	92	131489	20.0	18.9	
98 Bromoform	173	9.610	9.618	-0.008	96	35491	20.0	19.7	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	307658	20.0	20.6	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	87	200799	50.0	51.1	
101 Bromobenzene	156	10.046	10.046	0.000	98	70586	20.0	19.2	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	98	83145	20.0	19.7	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	368691	20.0	19.5	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	98	24612	20.0	19.3	
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	81	21579	20.0	20.3	
106 2-Chlorotoluene	91	10.202	10.202	0.000	97	248816	20.0	19.0	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	302999	20.0	19.5	
108 1,3,5-Trimethylbenzene	105	10.267	10.267	0.000	93	258449	20.0	19.7	
109 4-Chlorotoluene	91	10.300	10.300	0.000	97	222842	20.0	19.1	
110 Butyl Methacrylate	87	10.358	10.358	0.000	92	91352	20.0	19.1	
111 tert-Butylbenzene	119	10.506	10.506	0.000	95	196485	20.0	19.3	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	272003	20.0	19.6	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	342597	20.0	20.0	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	70	148298	20.0	19.7	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	293871	20.0	19.9	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	95	279838	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	149685	20.0	19.4	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	292494	20.0	19.8	
119 Benzyl chloride	91	10.941	10.941	0.000	99	155303	20.0	18.4	
120 2,3-Dihydroindene	117	10.990	10.991	-0.001	95	292552	20.0	20.1	
121 p-Diethylbenzene	119	11.032	11.032	0.000	94	166861	20.0	20.4	
122 n-Butylbenzene	92	11.048	11.048	0.000	97	168569	20.0	20.0	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	96	153455	20.0	19.9	
124 1,2,4,5-Tetramethylbenzene	119	11.508	11.516	-0.008	98	288348	20.0	19.6	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	95	19450	20.0	18.8	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	118982	20.0	19.5	
127 1,2,4-Trichlorobenzene	180	12.050	12.051	-0.001	94	116313	20.0	19.8	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	92	41438	20.0	19.8	
129 Naphthalene	128	12.207	12.215	-0.008	99	309350	20.0	19.5	
130 1,2,3-Trichlorobenzene	180	12.363	12.371	-0.008	94	108210	20.0	19.6	
S 131 1,2-Dichloroethene, Total	100				0		40.0	40.4	
S 132 Xylenes, Total	100				0		40.0	41.2	

[QC Flag Legend](#)

Processing Flags

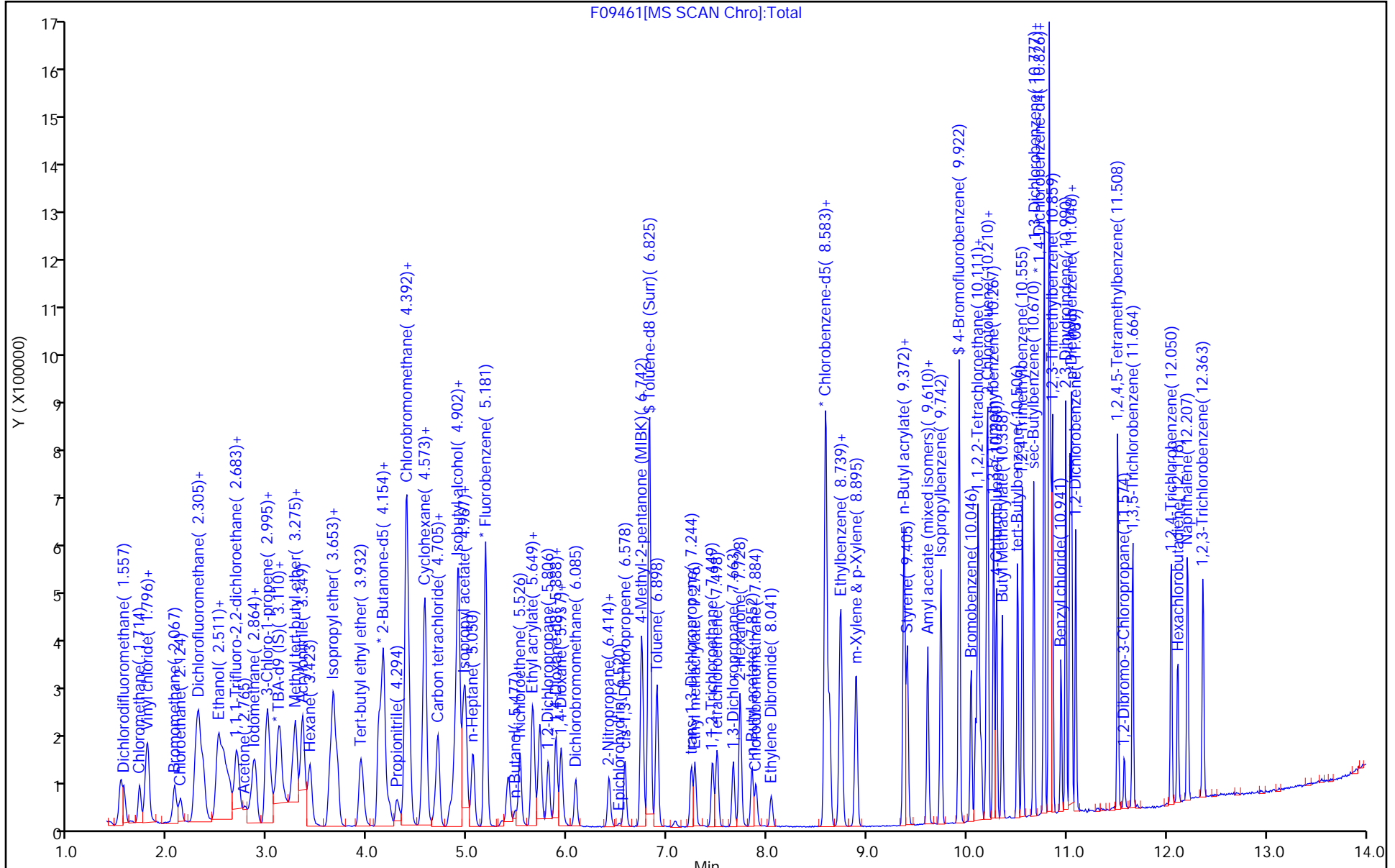
Review Flags

a - User Assigned ID

[Reagents:](#)

GAS C SP_00390	Amount Added: 20.00	Units: uL	
8260 SP_00134	Amount Added: 20.00	Units: uL	
8FreonsSS_00027	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00120	Amount Added: 4.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent





F09461[MS SCAN Chro]:Total

Eurofins TestAmerica, Edison

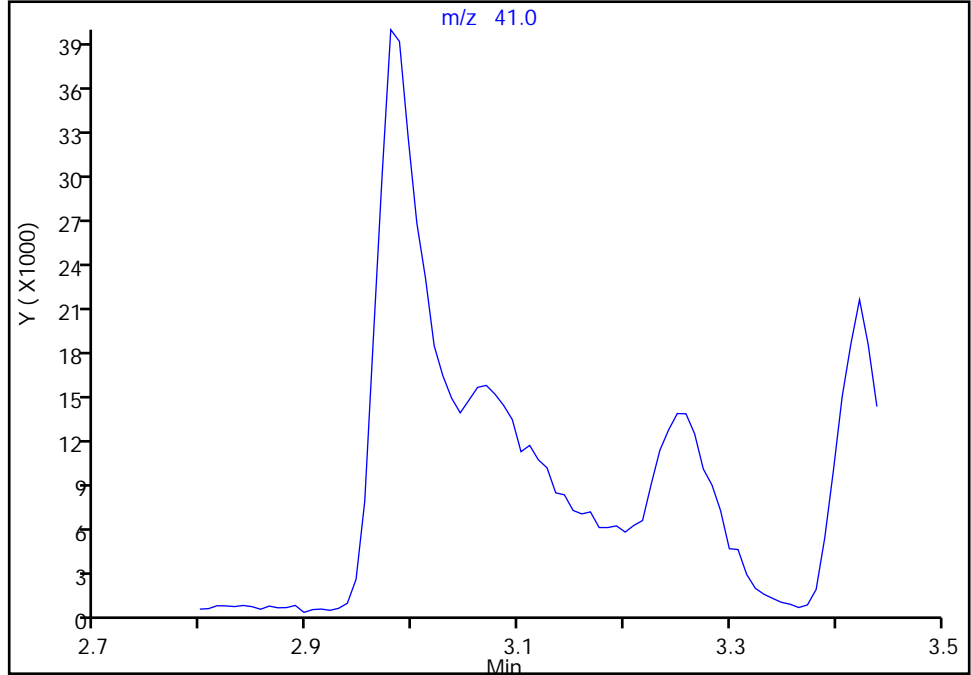
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Injection Date: 05-Jan-2021 21:01:30 Instrument ID: CVOAMS6  
Lims ID: ICV  
Client ID:  
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

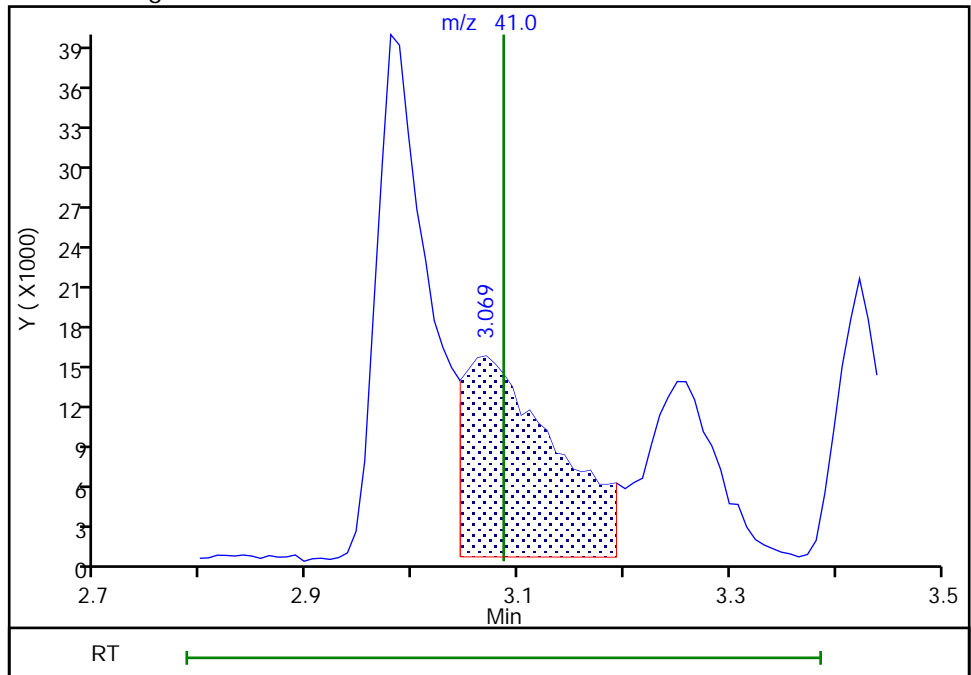
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Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.07  
Area: 92587  
Amount: 208.7207  
Amount Units: ug/l



Reviewer: moroneyc, 07-Jan-2021 08:49:51  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

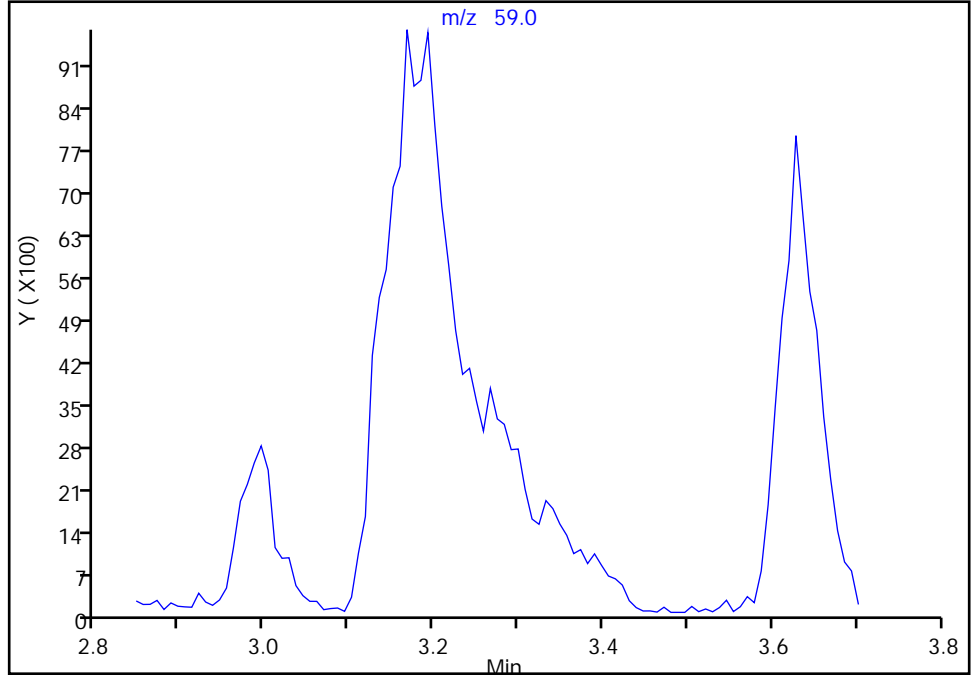
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Injection Date: 05-Jan-2021 21:01:30 Instrument ID: CVOAMS6  
Lims ID: ICV  
Client ID:  
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

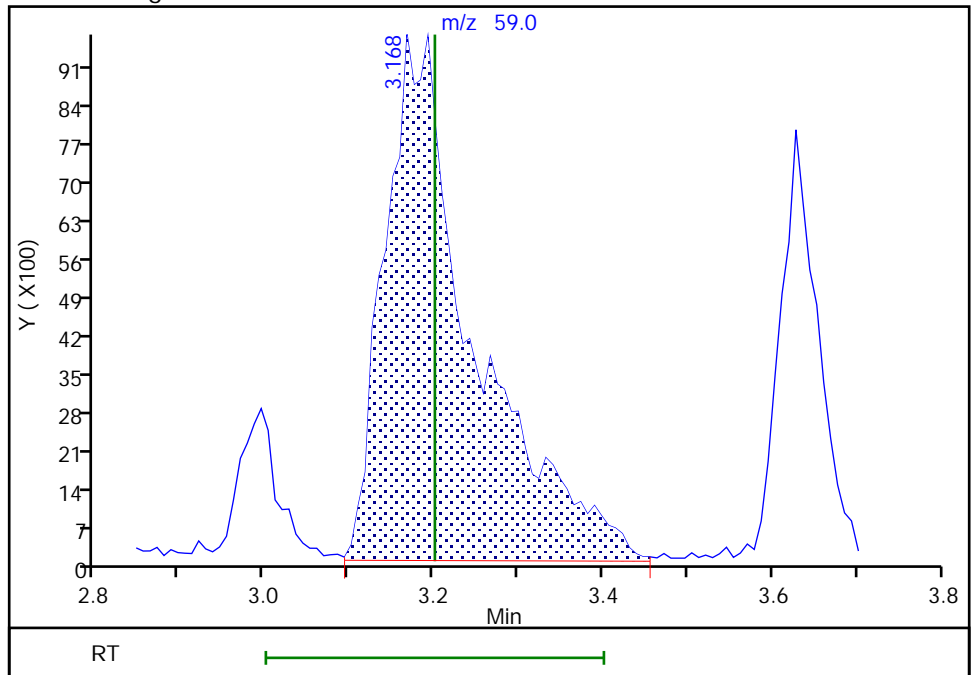
Not Detected  
Expected RT: 3.20

Processing Integration Results



RT: 3.17  
Area: 71102  
Amount: 200.2569  
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 07-Jan-2021 08:49:56  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09461.D  
Injection Date: 05-Jan-2021 21:01:30 Instrument ID: CVOAMS6  
Lims ID: ICV  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 (0.25 mm)

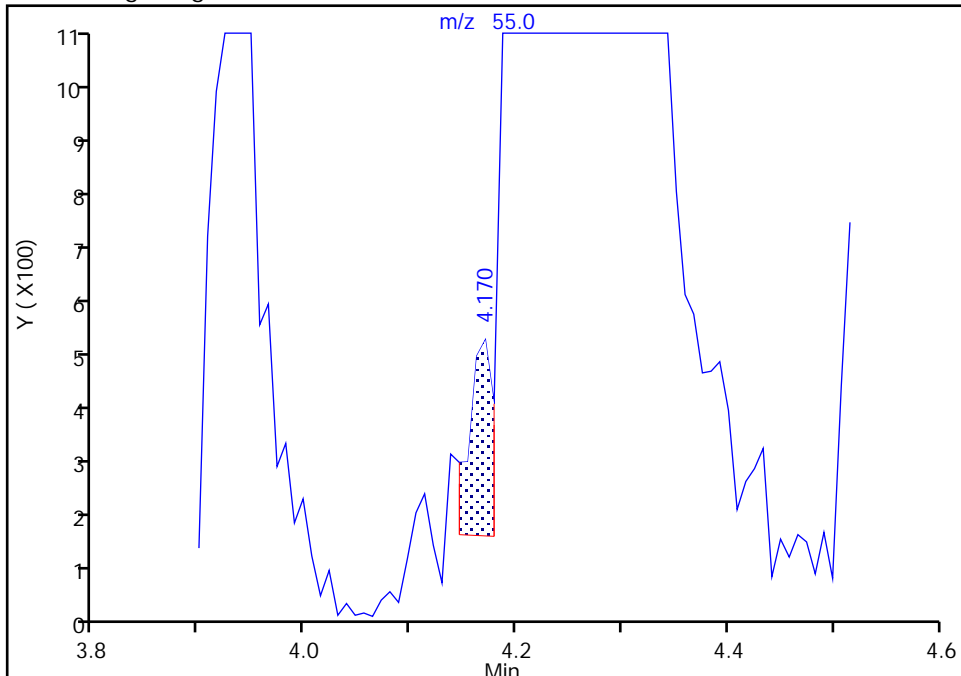
ALS Bottle#: 14 Worklist Smp#: 15  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

43 Methyl acrylate, CAS: 96-33-3

Signal: 1

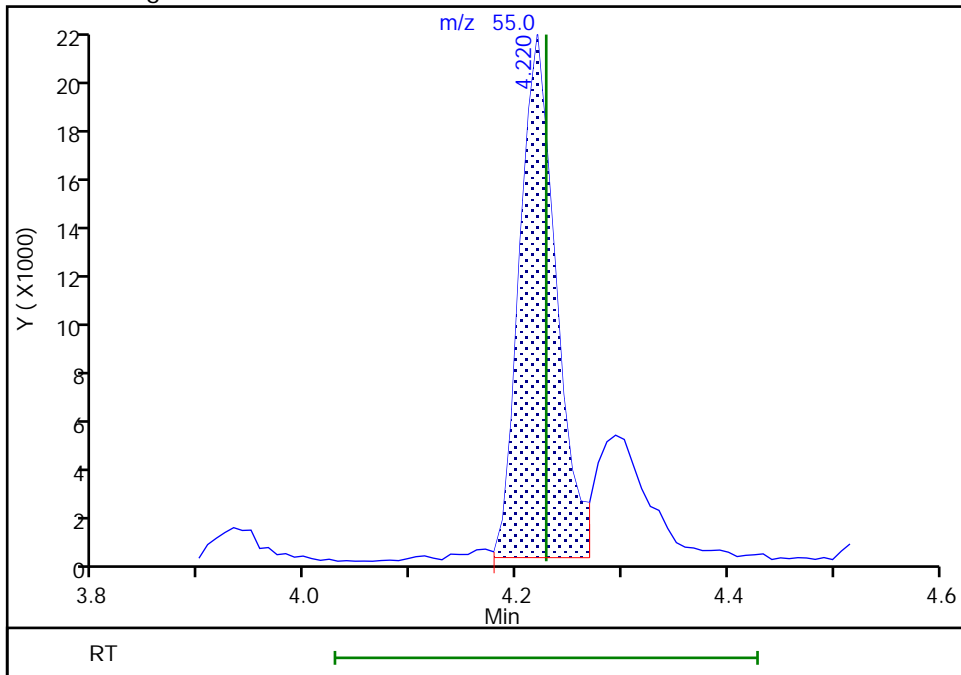
RT: 4.17  
Area: 576  
Amount: 0.233809  
Amount Units: ug/l

Processing Integration Results



RT: 4.22  
Area: 51278  
Amount: 20.814684  
Amount Units: ug/l

Manual Integration Results



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-753821/3 Calibration Date: 01/19/2021 18:24  
 Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09  
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59  
 Lab File ID: F09731.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	0.3723	0.3674	0.1000	19.7	20.0	-1.3	20.0
Chloromethane	Ave	0.4750	0.5400	0.1000	22.7	20.0	13.7	20.0
Vinyl chloride	Ave	0.4302	0.4891	0.1000	22.7	20.0	13.7	20.0
Butadiene	Ave	0.3722	0.4482		24.1	20.0	20.4*	20.0
Bromomethane	Ave	0.2899	0.2901	0.1000	20.0	20.0	0.0	50.0
Chloroethane	Ave	0.2677	0.2803	0.1000	20.9	20.0	4.7	50.0
Dichlorofluoromethane	Ave	0.5656	0.5898		20.9	20.0	4.3	20.0
Trichlorofluoromethane	Ave	0.4027	0.4209	0.1000	20.9	20.0	4.5	20.0
Pentane	Ave	2.135	2.285		42.8	40.0	7.0	20.0
Ethanol	Ave	0.0495	0.0593		959	800	19.9	50.0
Ethyl ether	Ave	0.2496	0.2633		21.1	20.0	5.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2551	0.3088		24.2	20.0	21.0*	20.0
Acrolein	Qua2		0.8826		42.3	40.0	5.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2371	0.2840	0.1000	24.0	20.0	19.8	20.0
1,1-Dichloroethene	Ave	0.2521	0.2727	0.1000	21.6	20.0	8.2	20.0
Acetone	Ave	0.7274	0.7579	0.0500	104	100	4.2	50.0
Iodomethane	Ave	0.4056	0.4263		21.0	20.0	5.1	20.0
Isopropyl alcohol	Ave	0.4445	0.4421		199	200	-0.5	50.0
Carbon disulfide	Ave	0.9221	1.050	0.1000	22.8	20.0	13.8	50.0
3-Chloro-1-propene	Ave	0.5488	0.6297		22.9	20.0	14.7	20.0
Methyl acetate	Ave	0.1981	0.2543	0.1000	51.4	40.0	28.4*	20.0
Cyclopentene	Ave	0.6474	0.7754		24.0	20.0	19.8	20.0
Acetonitrile	Ave	1.209	1.955		323	200	61.7*	20.0
Methylene Chloride	Ave	0.3074	0.3286	0.1000	21.4	20.0	6.9	20.0
2-Methyl-2-propanol	Ave	0.9674	1.024		212	200	5.8	50.0
Methyl tert-butyl ether	Ave	0.7792	0.8388	0.1000	21.5	20.0	7.6	20.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2953	0.1000	21.6	20.0	8.0	20.0
Acrylonitrile	Ave	0.1179	0.1365		232	200	15.8	20.0
Hexane	Ave	0.2269	0.2913		25.7	20.0	28.4*	20.0
Isopropyl ether	Ave	0.8461	1.011		23.9	20.0	19.5	20.0
1,1-Dichloroethane	Ave	0.4647	0.5323	0.2000	22.9	20.0	14.6	20.0
Vinyl acetate	Ave	0.0573	0.0580		40.5	40.0	1.2	20.0
2-Chloro-1,3-butadiene	Ave	0.2186	0.2450		22.4	20.0	12.1	20.0
Tert-butyl ethyl ether	Ave	0.7995	0.8909		22.3	20.0	11.4	20.0
2,2-Dichloropropane	Ave	0.0881	0.0992		22.5	20.0	12.5	20.0
cis-1,2-Dichloroethene	Ave	0.2834	0.3043	0.1000	21.5	20.0	7.4	20.0
2-Butanone (MEK)	Ave	0.2643	0.2505	0.0500	94.8	100	-5.2	50.0
Ethyl acetate	Ave	0.2094	0.2070		39.5	40.0	-1.1	20.0
Methyl acrylate	Ave	0.2785	0.3469		24.9	20.0	24.6*	20.0
Propionitrile	Ave	1.463	1.578		216	200	7.9	20.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-753821/3 Calibration Date: 01/19/2021 18:24  
 Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09  
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59  
 Lab File ID: F09731.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	Ave	0.1397	0.1459		20.9	20.0	4.5	20.0
Tetrahydrofuran	Ave	0.3174	0.2974		37.5	40.0	-6.3	20.0
Methacrylonitrile	Ave	0.1105	0.1215		220	200	10.0	20.0
Chloroform	Ave	0.4181	0.4550	0.2000	21.8	20.0	8.8	20.0
Cyclohexane	Ave	0.4285	0.4906	0.1000	22.9	20.0	14.5	50.0
1,1,1-Trichloroethane	Ave	0.3747	0.3982	0.1000	21.3	20.0	6.3	20.0
Carbon tetrachloride	Ave	0.2869	0.3106	0.1000	21.7	20.0	8.3	20.0
1,1-Dichloropropene	Ave	0.3152	0.3563		22.6	20.0	13.0	20.0
Isobutyl alcohol	Ave	0.5725	0.3202		280	500	-44.1	50.0
Benzene	Ave	1.356	1.624	0.5000	23.9	20.0	19.7	20.0
Isopropyl acetate	Ave	0.8337	0.8902		21.4	20.0	6.8	20.0
Tert-amyl methyl ether	Ave	0.9254	0.9278		20.1	20.0	0.3	20.0
1,2-Dichloroethane	Ave	0.3016	0.3326	0.1000	22.1	20.0	10.3	20.0
n-Heptane	Ave	0.1936	0.2489		25.7	20.0	28.5*	20.0
n-Butanol	QuaF		0.2216		652	500	30.3	50.0
Trichloroethene	Ave	0.2207	0.2373	0.2000	21.5	20.0	7.5	20.0
Ethyl acrylate	Ave	0.6280	0.7176		22.9	20.0	14.3	20.0
Methylcyclohexane	Ave	0.4671	0.5472	0.1000	23.4	20.0	17.2	50.0
1,2-Dichloropropane	Ave	0.2433	0.2769	0.1000	22.8	20.0	13.8	20.0
Methyl methacrylate	Ave	0.0632	0.0618		39.1	40.0	-2.3	20.0
1,4-Dioxane	Ave	0.7633	0.9525		499	400	24.8	50.0
Dibromomethane	Ave	0.1514	0.1540		20.3	20.0	1.7	20.0
n-Propyl acetate	Ave	0.3391	0.3688		21.8	20.0	8.8	20.0
Dichlorobromomethane	Ave	0.2909	0.3015	0.2000	20.7	20.0	3.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1372	0.1392		20.3	20.0	1.4	20.0
2-Nitropropane	Ave	0.0653	0.0634		38.9	40.0	-2.9	20.0
Epichlorohydrin	Ave	0.1981	0.1872		378	400	-5.5	20.0
cis-1,3-Dichloropropene	Ave	0.5010	0.5803	0.2000	23.2	20.0	15.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.270	2.199	0.0500	96.9	100	-3.1	50.0
Toluene	Ave	1.406	1.550	0.4000	22.0	20.0	10.2	20.0
trans-1,3-Dichloropropene	Ave	0.4330	0.4899	0.1000	22.6	20.0	13.1	50.0
Ethyl methacrylate	Ave	0.4417	0.4626		20.9	20.0	4.7	20.0
1,1,2-Trichloroethane	Ave	0.2351	0.2742	0.1000	23.3	20.0	16.6	20.0
Tetrachloroethene	Ave	0.3098	0.3426	0.2000	22.1	20.0	10.6	20.0
1,3-Dichloropropane	Ave	0.4915	0.5583		22.7	20.0	13.6	20.0
2-Hexanone	Ave	1.379	1.298	0.0500	94.1	100	-5.9	50.0
n-Butyl acetate	Ave	0.5585	0.6049		21.7	20.0	8.3	20.0
Chlorodibromomethane	Ave	0.2830	0.3002	0.1000	21.2	20.0	6.1	50.0
Ethylene Dibromide	Ave	0.2887	0.2989	0.1000	20.7	20.0	3.5	20.0
Chlorobenzene	Ave	0.8968	0.9486	0.5000	21.2	20.0	5.8	20.0
Ethylbenzene	Ave	0.5036	0.5557	0.1000	22.1	20.0	10.3	20.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-753821/3 Calibration Date: 01/19/2021 18:24  
 Instrument ID: CVOAMS6 Calib Start Date: 01/05/2021 16:09  
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2021 18:59  
 Lab File ID: F09731.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	0.3277	0.3639		22.2	20.0	11.1	20.0
m-Xylene & p-Xylene	Ave	0.6058	0.6562	0.1000	21.7	20.0	8.3	20.0
n-Butyl acrylate	Ave	0.2920	0.2802		19.2	20.0	-4.0	20.0
o-Xylene	Ave	0.6582	0.7078	0.3000	21.5	20.0	7.5	20.0
Styrene	Ave	0.9947	1.064	0.3000	21.4	20.0	6.9	20.0
Amyl acetate (mixed isomers)	Ave	1.245	1.341		21.6	20.0	7.8	20.0
Bromoform	Ave	0.2032	0.2059	0.1000	20.3	20.0	1.3	20.0
Isopropylbenzene	Ave	1.688	1.858	0.1000	22.0	20.0	10.1	20.0
Bromobenzene	Ave	0.6564	0.6620		20.2	20.0	0.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7554	0.8580	0.3000	22.7	20.0	13.6	20.0
N-Propylbenzene	Ave	3.386	3.776		22.3	20.0	11.5	20.0
1,2,3-Trichloropropane	Ave	0.2281	0.2382		20.9	20.0	4.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1901	0.2280		24.0	20.0	20.0	20.0
2-Chlorotoluene	Ave	2.337	2.540		21.7	20.0	8.7	20.0
4-Ethyltoluene	Ave	2.783	3.092		22.2	20.0	11.1	20.0
1,3,5-Trimethylbenzene	Ave	2.347	2.603		22.2	20.0	10.9	20.0
4-Chlorotoluene	Ave	2.088	2.259		21.6	20.0	8.2	20.0
Butyl Methacrylate	Ave	0.8534	0.8717		20.4	20.0	2.1	20.0
tert-Butylbenzene	Ave	1.815	2.014		22.2	20.0	11.0	20.0
1,2,4-Trimethylbenzene	Ave	2.478	2.717		21.9	20.0	9.6	20.0
sec-Butylbenzene	Ave	3.066	3.454		22.5	20.0	12.7	20.0
1,3-Dichlorobenzene	Ave	1.342	1.418	0.6000	21.1	20.0	5.6	20.0
4-Isopropyltoluene	Ave	2.638	2.905		22.0	20.0	10.1	20.0
1,4-Dichlorobenzene	Ave	1.382	1.423	0.5000	20.6	20.0	2.9	20.0
1,2,3-Trimethylbenzene	Ave	2.645	2.916		22.0	20.0	10.2	20.0
Benzyl chloride	Ave	1.512	1.783		23.6	20.0	17.9	50.0
Indan	Ave	2.596	2.785		21.5	20.0	7.3	20.0
p-Diethylbenzene	Ave	1.464	1.585		21.7	20.0	8.3	20.0
n-Butylbenzene	Ave	1.505	1.720		22.9	20.0	14.3	20.0
1,2-Dichlorobenzene	Ave	1.375	1.476	0.4000	21.5	20.0	7.4	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.630	2.918		22.2	20.0	11.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1851	0.1891	0.0500	20.4	20.0	2.1	50.0
1,3,5-Trichlorobenzene	Ave	1.088	1.172		21.5	20.0	7.7	20.0
1,2,4-Trichlorobenzene	Ave	1.047	1.134	0.2000	21.7	20.0	8.3	20.0
Hexachlorobutadiene	Ave	0.3734	0.3943		21.1	20.0	5.6	20.0
Naphthalene	Ave	2.833	3.141		22.2	20.0	10.9	50.0
1,2,3-Trichlorobenzene	Ave	0.9844	1.052		21.4	20.0	6.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2706	0.2676		49.4	50.0	-1.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3161	0.3151		49.8	50.0	-0.3	20.0
Toluene-d8 (Surr)	Ave	1.470	1.538		52.3	50.0	4.6	20.0
4-Bromofluorobenzene	Ave	0.4438	0.4200		47.3	50.0	-5.4	20.0

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09731.D  
 Lims ID: CCVIS  
 Client ID:  
 Sample Type: CCVIS  
 Inject. Date: 19-Jan-2021 18:24:30 ALS Bottle#: 2 Worklist Smp#: 3  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: CCVIS  
 Misc. Info.: 460-0123057-003  
 Operator ID: Instrument ID: CVOAMS6  
 Sublist: chrom-8260624W6\*sub54  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 20:30:38 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1608

First Level Reviewer: yallabg

Date: 19-Jan-2021 19:50:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.558	1.558	0.000	99	108354	20.0	19.7	
2 Chloromethane	50	1.722	1.722	0.000	99	159288	20.0	22.7	
4 Vinyl chloride	62	1.796	1.796	0.000	98	144252	20.0	22.7	
3 Butadiene	54	1.804	1.804	0.000	98	132187	20.0	24.1	
5 Bromomethane	94	2.075	2.075	0.000	99	85565	20.0	20.0	
6 Chloroethane	64	2.133	2.133	0.000	99	82683	20.0	20.9	
7 Dichlorofluoromethane	67	2.289	2.289	0.000	98	173967	20.0	20.9	
8 Trichlorofluoromethane	101	2.305	2.305	0.000	96	124147	20.0	20.9	
9 Pentane	72	2.322	2.322	0.000	97	39425	40.0	42.8	
11 Ethanol	46	2.486	2.486	0.000	73	20476	800.0	959.1	
10 Ethyl ether	59	2.494	2.494	0.000	93	77671	20.0	21.1	
12 2-Methyl-1,3-butadiene	53	2.519	2.519	0.000	97	91088	20.0	24.2	
15 Acrolein	56	2.659	2.659	0.000	92	15229	40.0	42.3	
16 112TCTFE	101	2.683	2.683	0.000	93	83759	20.0	24.0	
17 1,1-Dichloroethene	96	2.700	2.700	0.000	96	80427	20.0	21.6	
18 Acetone	43	2.774	2.774	0.000	87	149702	100.0	104.2	
19 Iodomethane	142	2.848	2.848	0.000	96	125745	20.0	21.0	
20 Isopropyl alcohol	45	2.864	2.864	0.000	31	38136	200.0	198.9	
21 Carbon disulfide	76	2.881	2.881	0.000	100	309583	20.0	22.8	
22 3-Chloro-1-propene	41	2.987	2.987	0.000	97	185743	20.0	22.9	
23 Methyl acetate	43	2.996	2.996	0.000	95	150044	40.0	51.4	
24 Cyclopentene	67	3.012	3.012	0.000	93	228707	20.0	24.0	
25 Acetonitrile	41	3.061	3.061	0.000	96	168651	200.0	323.5	a
26 Methylene Chloride	84	3.111	3.111	0.000	96	96937	20.0	21.4	
* 27 TBA-d9 (IS)	65	3.119	3.119	0.000	0	431352	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.176	3.176	0.000	91	88329	200.0	211.7	a
29 Methyl tert-butyl ether	73	3.259	3.259	0.000	98	247406	20.0	21.5	
30 trans-1,2-Dichloroethene	96	3.283	3.283	0.000	97	87094	20.0	21.6	
31 Acrylonitrile	53	3.349	3.349	0.000	95	402691	200.0	231.6	
32 Hexane	43	3.431	3.431	0.000	94	85918	20.0	25.7	



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	3.637	3.637	0.000	90	298112	20.0	23.9	
34 1,1-Dichloroethane	63	3.661	3.661	0.000	98	157016	20.0	22.9	
35 Vinyl acetate	86	3.669	3.669	0.000	100	34216	40.0	40.5	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	91	72253	20.0	22.4	
37 Tert-butyl ethyl ether	59	3.932	3.932	0.000	89	262790	20.0	22.3	
* 38 2-Butanone-d5	46	4.121	4.121	0.000	0	493829	250.0	250.0	
39 2,2-Dichloropropane	97	4.138	4.138	0.000	94	29247	20.0	22.5	
40 cis-1,2-Dichloroethene	96	4.154	4.154	0.000	94	89763	20.0	21.5	
41 Ethyl acetate	70	4.171	4.171	0.000	93	16354	40.0	39.5	
42 2-Butanone (MEK)	72	4.171	4.171	0.000	96	49486	100.0	94.8	
43 Methyl acrylate	55	4.228	4.228	0.000	98	69401	20.0	24.9	
44 Propionitrile	54	4.302	4.302	0.000	98	136143	200.0	215.7	
45 Chlorobromomethane	128	4.376	4.376	0.000	97	43048	20.0	20.9	
46 Tetrahydrofuran	72	4.376	4.376	0.000	63	23495	40.0	37.5	
47 Methacrylonitrile	67	4.392	4.392	0.000	93	358500	200.0	220.0	
48 Chloroform	83	4.425	4.425	0.000	98	134215	20.0	21.8	
49 Cyclohexane	84	4.565	4.565	0.000	93	144715	20.0	22.9	
50 1,1,1-Trichloroethane	97	4.573	4.573	0.000	67	117466	20.0	21.3	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	96	197339	50.0	49.4	
52 Carbon tetrachloride	117	4.688	4.688	0.000	96	91611	20.0	21.7	
53 1,1-Dichloropropene	75	4.713	4.713	0.000	96	105103	20.0	22.6	
54 Isobutyl alcohol	43	4.828	4.828	0.000	93	69052	500.0	279.6	
55 Benzene	78	4.902	4.902	0.000	96	324842	20.0	23.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	232371	50.0	49.8	
57 Isopropyl acetate	43	4.959	4.959	0.000	95	262577	20.0	21.4	
58 Tert-amyl methyl ether	73	4.968	4.968	0.000	94	273651	20.0	20.1	
59 1,2-Dichloroethane	62	4.984	4.984	0.000	95	98106	20.0	22.1	
60 n-Heptane	57	5.058	5.058	0.000	94	73411	20.0	25.7	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	737400	50.0	50.0	
62 n-Butanol	56	5.485	5.485	0.000	88	47795	500.0	651.7	
63 Trichloroethene	95	5.526	5.526	0.000	98	69992	20.0	21.5	
64 Ethyl acrylate	55	5.650	5.650	0.000	97	211661	20.0	22.9	
65 Methylcyclohexane	83	5.658	5.658	0.000	89	161393	20.0	23.4	
66 1,2-Dichloropropane	63	5.814	5.814	0.000	92	81678	20.0	22.8	
* 67 1,4-Dioxane-d8	96	5.872	5.872	0.000	0	38381	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	92	36431	40.0	39.1	
71 1,4-Dioxane	88	5.929	5.929	0.000	87	14623	400.0	499.2	Ma
69 Dibromomethane	93	5.937	5.937	0.000	96	45412	20.0	20.3	
70 n-Propyl acetate	43	5.937	5.937	0.000	99	108791	20.0	21.8	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	88940	20.0	20.7	
74 2-Nitropropane	41	6.414	6.414	0.000	82	37402	40.0	38.9	
73 2-Chloroethyl vinyl ether	63	6.414	6.414	0.000	73	41146	20.0	20.3	
75 Epichlorohydrin	57	6.521	6.521	0.000	100	147917	400.0	378.0	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	93	116094	20.0	23.2	
77 4-Methyl-2-pentanone (MIBK)	43	6.743	6.743	0.000	97	434423	100.0	96.9	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	769048	50.0	52.3	
79 Toluene	91	6.899	6.899	0.000	93	310170	20.0	22.0	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	98	98023	20.0	22.6	
81 Ethyl methacrylate	69	7.277	7.277	0.000	91	92557	20.0	20.9	
82 1,1,2-Trichloroethane	83	7.449	7.449	0.000	96	54863	20.0	23.3	
83 Tetrachloroethene	166	7.498	7.498	0.000	96	68550	20.0	22.1	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	95	111709	20.0	22.7	

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	7.729	7.729	0.000	97	256394	100.0	94.1	
86 n-Butyl acetate	43	7.844	7.844	0.000	99	121027	20.0	21.7	
87 Chlorodibromomethane	129	7.893	7.893	0.000	98	60058	20.0	21.2	
88 Ethylene Dibromide	107	8.041	8.041	0.000	100	59807	20.0	20.7	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	88	500184	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	94	189786	20.0	21.2	
91 Ethylbenzene	106	8.731	8.731	0.000	98	111178	20.0	22.1	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	95	72806	20.0	22.2	
93 m-Xylene & p-Xylene	106	8.887	8.887	0.000	0	131285	20.0	21.7	
94 n-Butyl acrylate	73	9.364	9.364	0.000	98	56055	20.0	19.2	
95 o-Xylene	106	9.372	9.372	0.000	93	141612	20.0	21.5	
96 Styrene	104	9.405	9.405	0.000	96	212803	20.0	21.4	
97 Amyl acetate (mixed isomers)	43	9.602	9.602	0.000	92	160175	20.0	21.6	
98 Bromoform	173	9.610	9.610	0.000	95	41187	20.0	20.3	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	371816	20.0	22.0	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	85	210064	50.0	47.3	
101 Bromobenzene	156	10.046	10.046	0.000	99	79042	20.0	20.2	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	102453	20.0	22.7	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	450874	20.0	22.3	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	99	28440	20.0	20.9	
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	82	27227	20.0	24.0	
106 2-Chlorotoluene	91	10.202	10.202	0.000	97	303339	20.0	21.7	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	369191	20.0	22.2	
108 1,3,5-Trimethylbenzene	105	10.268	10.268	0.000	93	310812	20.0	22.2	
109 4-Chlorotoluene	91	10.300	10.300	0.000	97	269778	20.0	21.6	
110 Butyl Methacrylate	87	10.358	10.358	0.000	92	104081	20.0	20.4	
111 tert-Butylbenzene	119	10.506	10.506	0.000	94	240471	20.0	22.2	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	324440	20.0	21.9	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	412432	20.0	22.5	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	94	169304	20.0	21.1	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	346909	20.0	22.0	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	95	298513	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	94	169889	20.0	20.6	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	348172	20.0	22.0	
119 Benzyl chloride	91	10.941	10.941	0.000	98	212841	20.0	23.6	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	332495	20.0	21.5	
121 p-Diethylbenzene	119	11.032	11.032	0.000	92	189304	20.0	21.7	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	205404	20.0	22.9	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	95	176209	20.0	21.5	
124 1,2,4,5-Tetramethylbenzene	119	11.508	11.508	0.000	98	348417	20.0	22.2	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	96	22575	20.0	20.4	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	139915	20.0	21.5	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	135416	20.0	21.7	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	91	47082	20.0	21.1	
129 Naphthalene	128	12.207	12.207	0.000	99	375074	20.0	22.2	
130 1,2,3-Trichlorobenzene	180	12.363	12.363	0.000	96	125606	20.0	21.4	
S 131 1,2-Dichloroethene, Total	100				0		40.0	43.1	
S 132 Xylenes, Total	100				0		40.0	43.2	

[QC Flag Legend](#)

Processing Flags

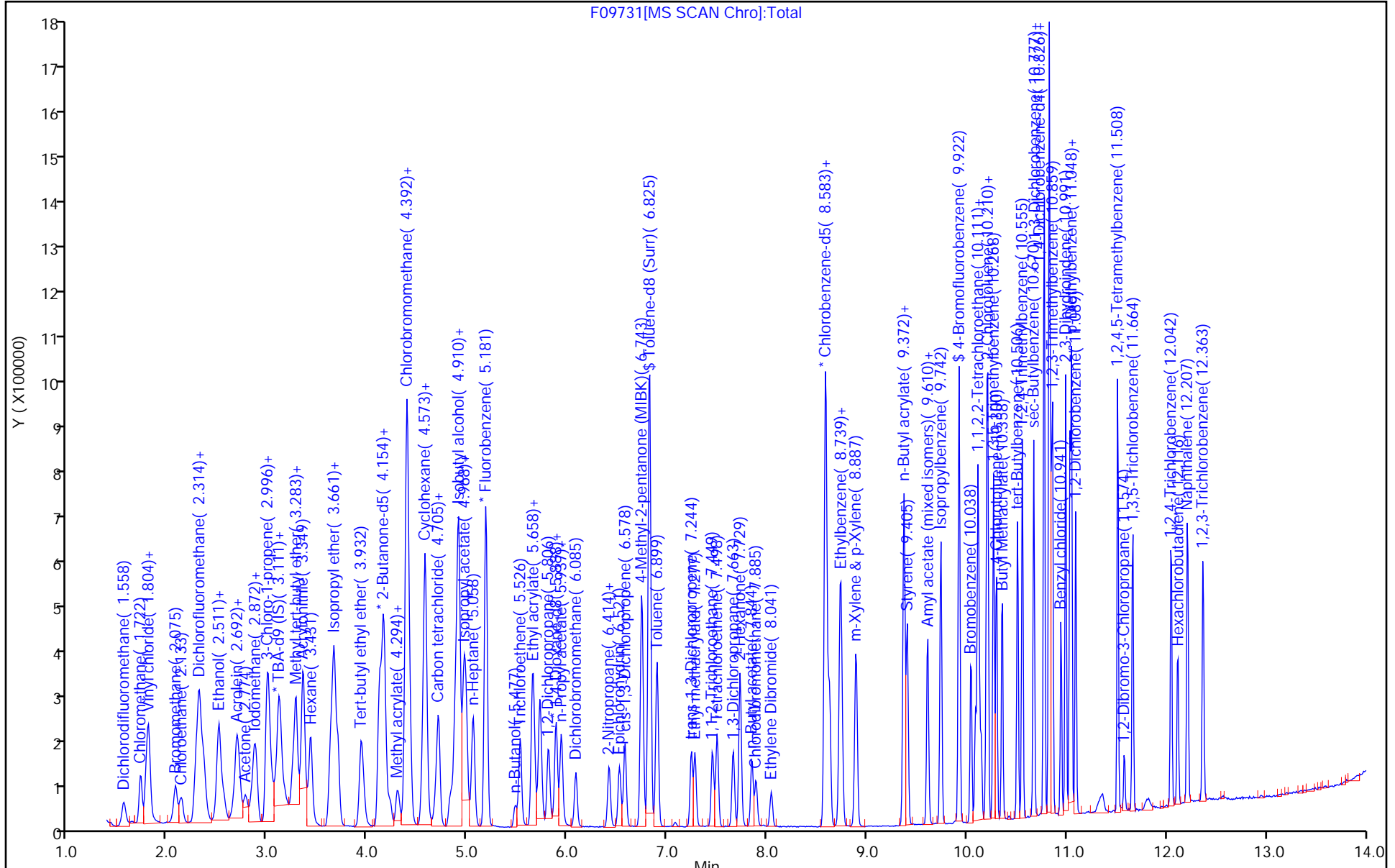
Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

GASES Li_00403	Amount Added: 20.00	Units: uL	
ACROLEIN W_00118	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00131	Amount Added: 20.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09731.D  
Injection Date: 19-Jan-2021 18:24:30 Instrument ID: CVOAMS6  
Lims ID: CCVIS  
Client ID:  
Operator ID:  
Purge Vol: 5.000 mL  
Method: 8260624W6  
Column: Rtx-624 ( 0.25 mm)

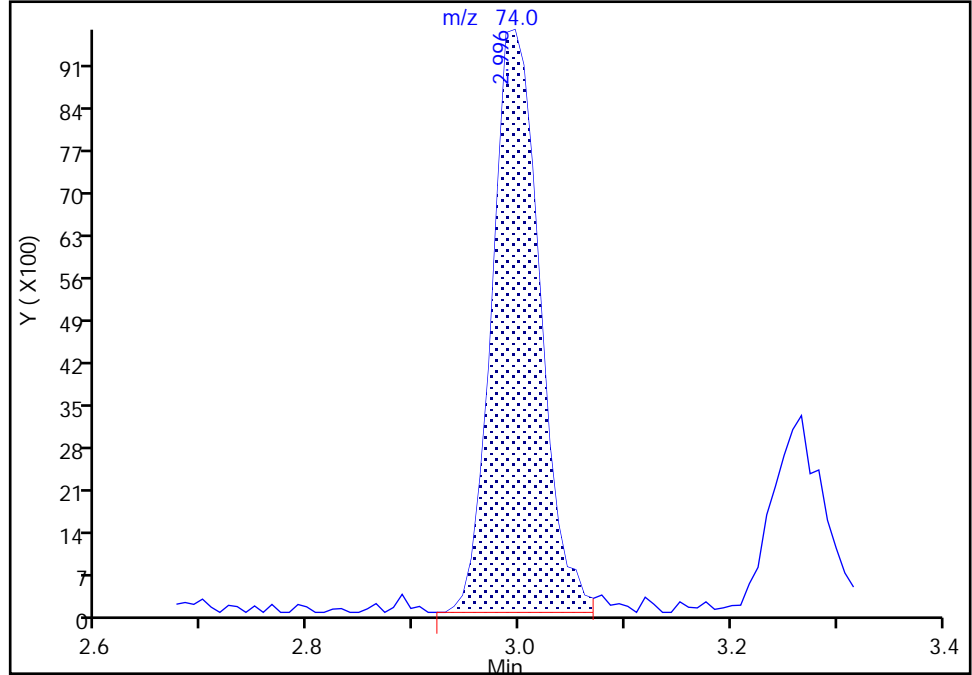
ALS Bottle#: 2 Worklist Smp#: 3  
Dil. Factor: 1.0000  
Limit Group: VOA - 8260D Water and Solid  
Detector: MS SCAN

23 Methyl acetate, CAS: 79-20-9

Signal: 2

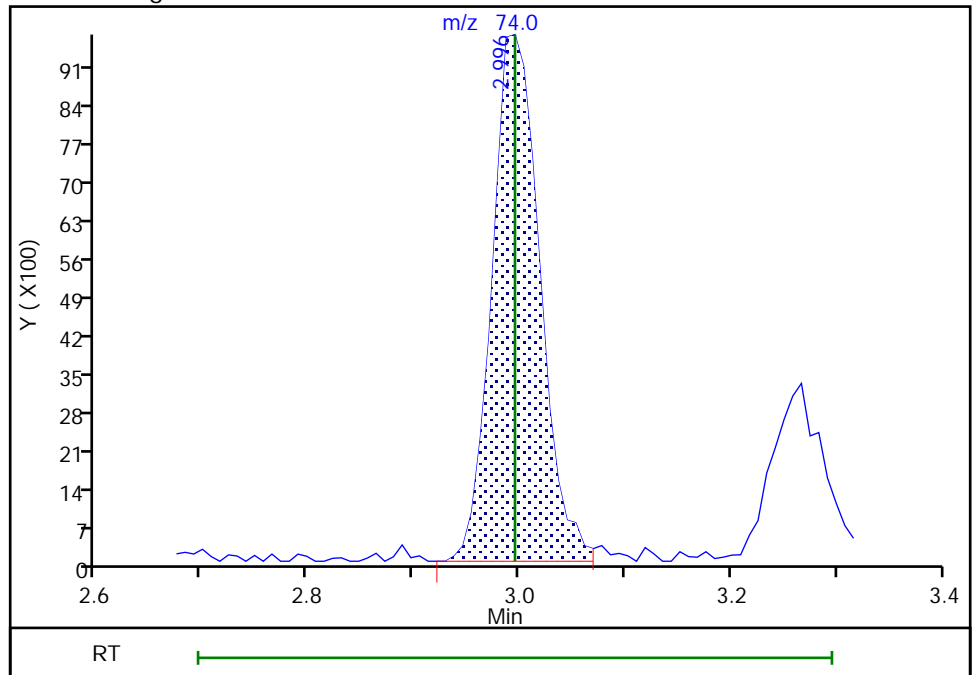
RT: 3.00  
Area: 30506  
Amount: 51.354867  
Amount Units: ug/l

Processing Integration Results



RT: 3.00  
Area: 30506  
Amount: 51.354867  
Amount Units: ug/l

Manual Integration Results



Reviewer: yallabg, 19-Jan-2021 18:41:49  
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

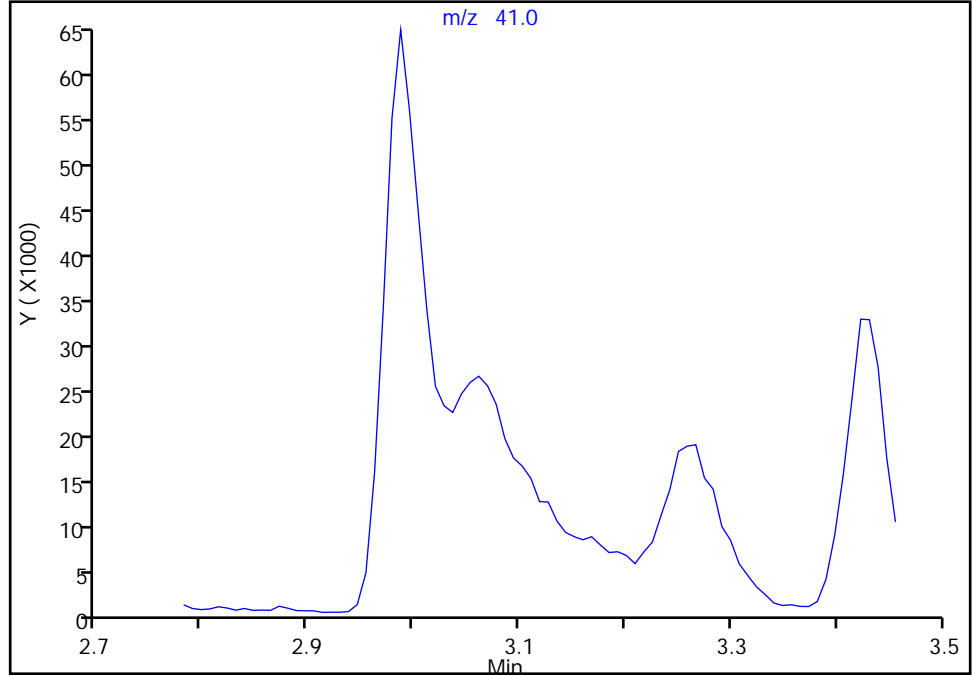
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09731.D  
Injection Date: 19-Jan-2021 18:24:30 Instrument ID: CVOAMS6  
Lims ID: CCVIS  
Client ID:  
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

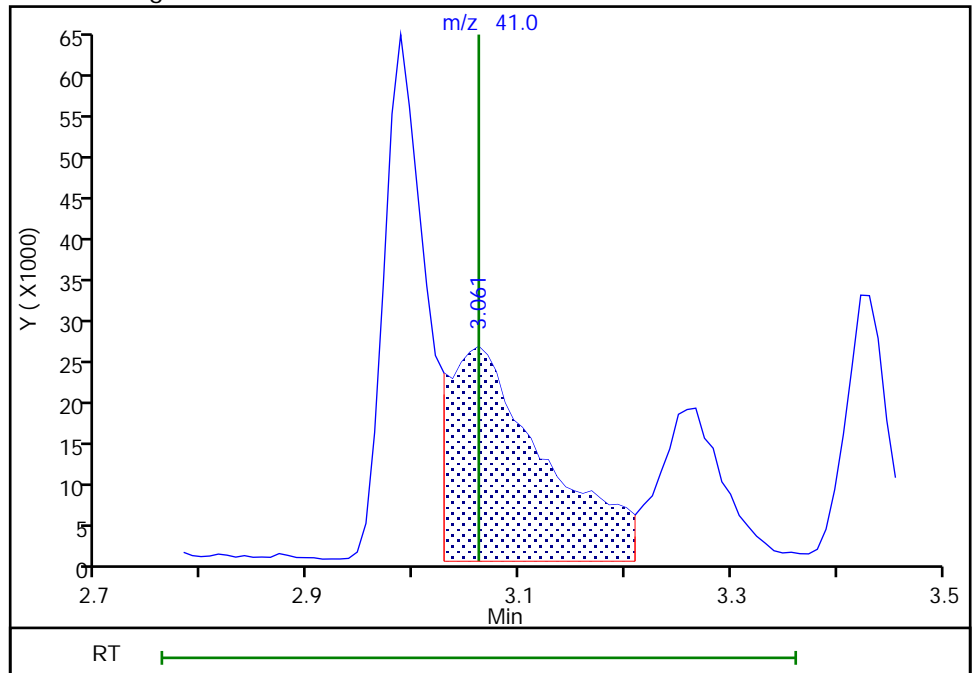
Signal: 1

Not Detected  
Expected RT: 3.06

Processing Integration Results



Manual Integration Results



RT: 3.06  
Area: 168651  
Amount: 323.4973  
Amount Units: ug/l

Eurofins TestAmerica, Edison

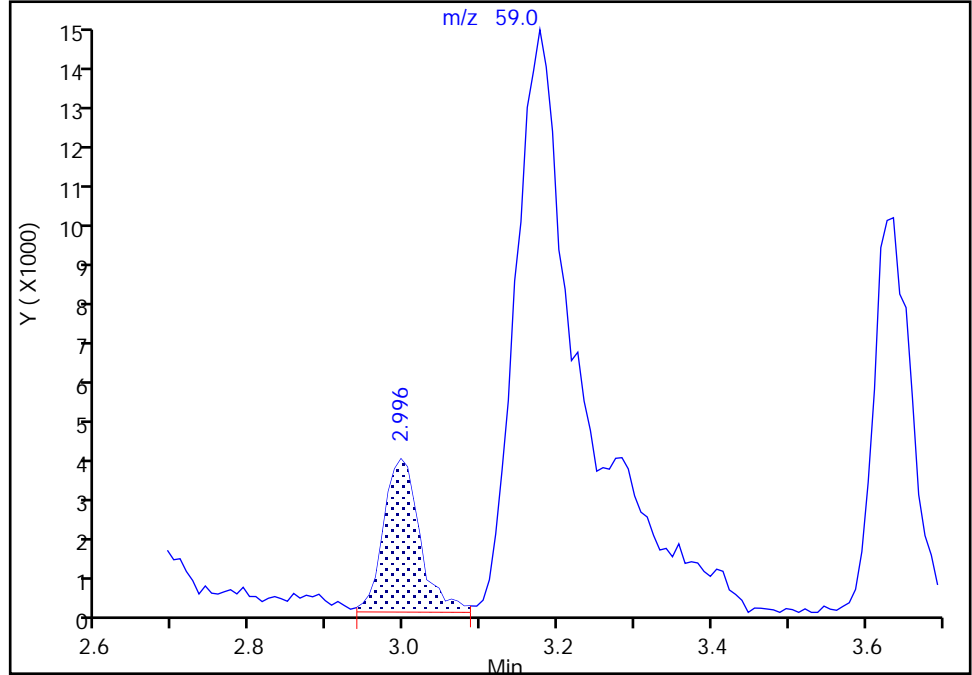
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09731.D  
Injection Date: 19-Jan-2021 18:24:30 Instrument ID: CVOAMS6  
Lims ID: CCVIS  
Client ID:  
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

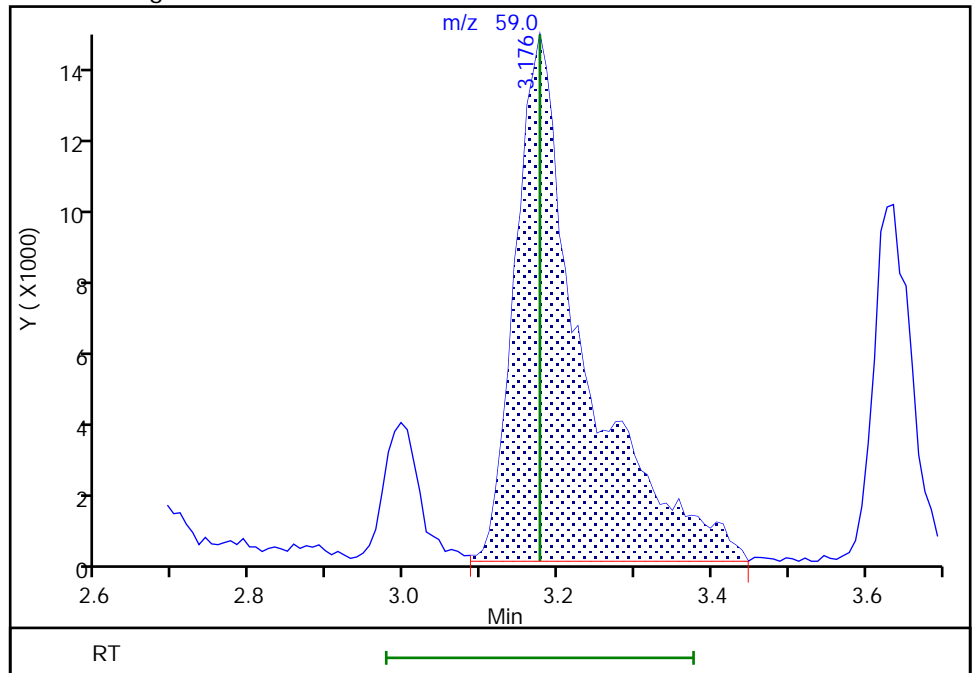
RT: 3.00  
Area: 12285  
Amount: 29.440620  
Amount Units: ug/l

Processing Integration Results



RT: 3.18  
Area: 88329  
Amount: 211.6777  
Amount Units: ug/l

Manual Integration Results



Reviewer: yallabg, 19-Jan-2021 18:42:08  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

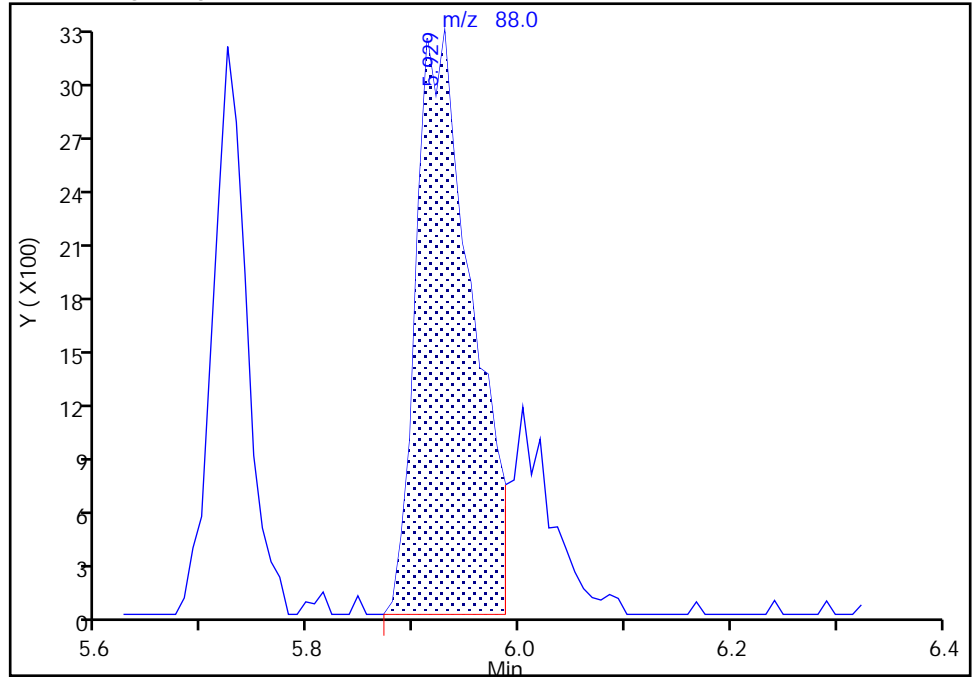
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Injection Date: 19-Jan-2021 18:24:30 Instrument ID: CVOAMS6  
Lims ID: CCVIS  
Client ID:  
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

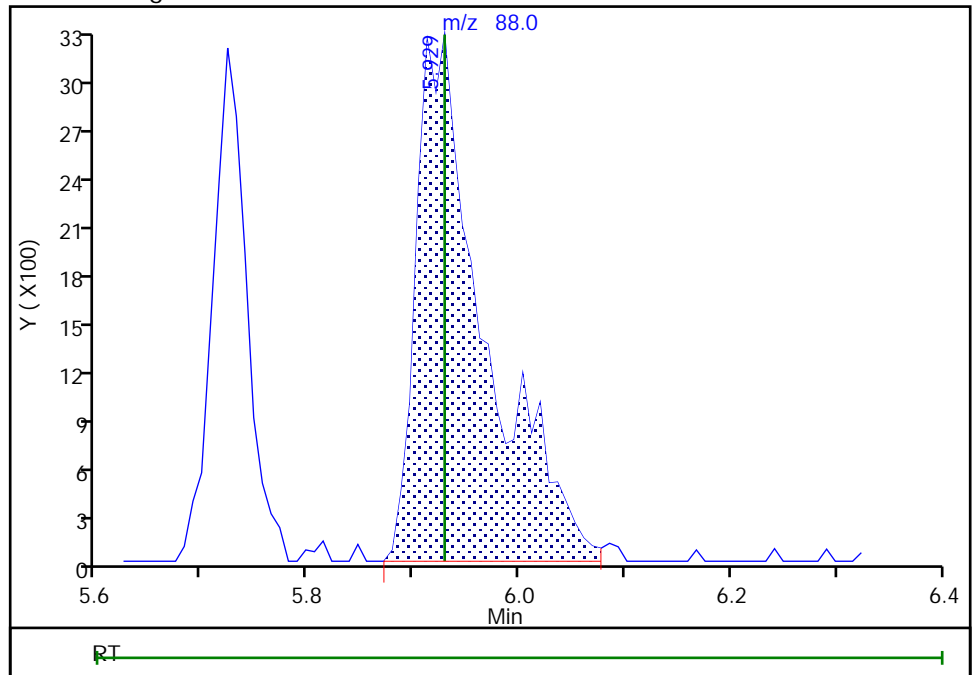
RT: 5.93  
Area: 11881  
Amount: 405.5650  
Amount Units: ug/l

Processing Integration Results



RT: 5.93  
Area: 14623  
Amount: 499.1648  
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 20-Jan-2021 20:29:35  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09447.D  
 Lims ID: BFB  
 Client ID:  
 Sample Type: BFB  
 Inject. Date: 05-Jan-2021 15:20:30 ALS Bottle#: 99 Worklist Smp#: 1  
 Injection Vol: 5.0 mL Dil. Factor: 1.0000  
 Sample Info: BFB  
 Misc. Info.: 460-0122504-001  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 08-Jan-2021 20:26:01 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1611

First Level Reviewer: starzecm Date: 05-Jan-2021 15:33:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 133 BFB

**QC Flag Legend**

Processing Flags

**Reagents:**

BFB\_00028

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09447.D

Injection Date: 05-Jan-2021 15:20:30

Instrument ID: CVOAMS6

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

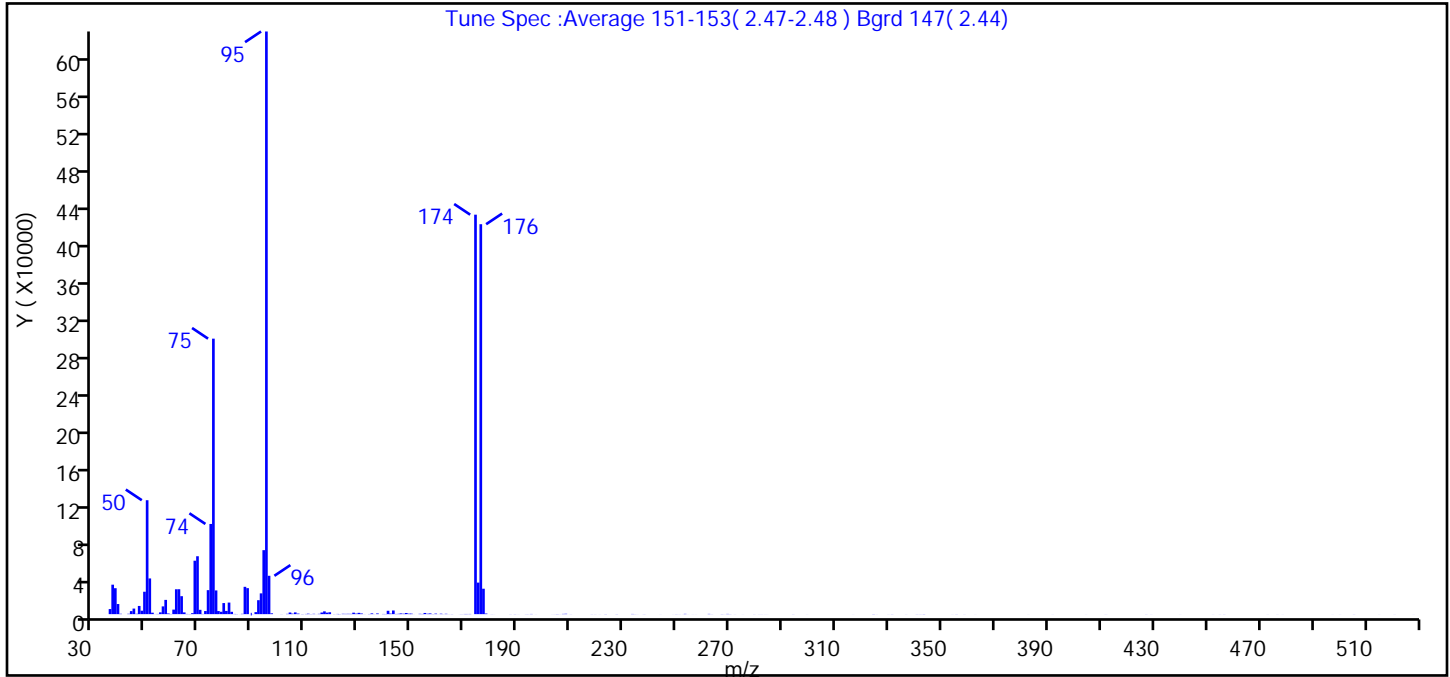
Dil. Factor: 1.0000

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Tune Method: BFB Method 8260D

\$ 133 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (145.9)
96	5 to 9% of m/z 95	6.6
173	<2% of m/z 174	0.0 (0.0)
174	50 to 200% of m/z 95	68.6
175	5 to 9% of m/z 174	5.4 (7.9)
176	95 to 105% of m/z 174	66.9 (97.6)
177	5 to 10% of m/z 176	4.4 (6.5)

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09447.D\8260624W6.rsl\spectra.d  
Injection Date: 05-Jan-2021 15:20:30  
Spectrum: Tune Spec :Average 151-153( 2.47-2.48 ) Bgrd 147( 2.44)  
Base Peak: 95.10  
Minimum % Base Peak: 0  
Number of Points: 213

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5465	92.00	14985	155.00	1265	256.00	40
37.00	31648	93.00	22320	156.00	474	257.00	35
38.00	27856	94.00	68728	157.00	768	262.00	262
39.00	10859	95.00	625920	158.00	137	263.00	74
40.00	389	96.00	41208	159.00	582	267.00	114
43.00	384	97.00	888	160.00	48	268.00	44
44.00	3252	101.00	71	161.00	479	269.00	243
45.00	5979	103.00	301	162.00	83	270.00	93
46.00	386	104.00	1769	163.00	377	272.00	46
47.00	8800	105.00	570	164.00	56	275.00	34
48.00	3685	106.00	1878	165.00	113	279.00	65
49.00	24072	107.00	597	168.00	44	281.00	48
50.00	122384	109.00	151	169.00	93	282.00	53
51.00	38352	110.00	215	170.00	192	283.00	37
52.00	1552	111.00	485	171.00	194	284.00	33
53.00	62	112.00	139	172.00	216	294.00	78
54.00	227	113.00	351	174.00	429120	299.00	34
55.00	1924	114.00	48	175.00	33880	316.00	35
56.00	8330	115.00	335	176.00	418880	324.00	142
57.00	15311	116.00	1732	177.00	27312	325.00	37
58.00	706	117.00	2984	178.00	638	330.00	44
59.00	181	118.00	1636	180.00	69	331.00	96
60.00	4869	119.00	2017	181.00	38	336.00	53
61.00	26712	121.00	108	187.00	78	340.00	46
62.00	26760	122.00	231	189.00	110	341.00	53
63.00	19296	123.00	151	190.00	41	342.00	71
64.00	1866	124.00	367	193.00	82	343.00	136
65.00	220	125.00	301	194.00	69	354.00	41
66.00	148	126.00	362	195.00	206	356.00	92
67.00	1048	127.00	301	197.00	38	358.00	58
68.00	57408	128.00	1581	203.00	40	363.00	35
69.00	62208	129.00	587	204.00	58	383.00	33
70.00	4647	130.00	1402	205.00	137	392.00	40

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09447.D\8260624W6.rsl\spectra.d

Injection Date: 05-Jan-2021 15:20:30

Spectrum: Tune Spec :Average 151-153( 2.47-2.48 ) Bgrd 147( 2.44)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 213

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	221	131.00	712	206.00	45	404.00	34
72.00	3334	132.00	68	207.00	259	412.00	35
73.00	25776	134.00	184	208.00	385	412.00	34
74.00	96880	135.00	838	210.00	68	427.00	74
75.00	295936	136.00	77	218.00	78	429.00	44
76.00	25480	137.00	753	219.00	60	440.00	35
77.00	3303	139.00	204	221.00	42	452.00	43
78.00	2550	140.00	168	223.00	120	455.00	52
79.00	11900	141.00	3609	227.00	111	456.00	74
80.00	3456	142.00	620	233.00	212	473.00	38
81.00	12428	143.00	3929	234.00	85	477.00	47
82.00	2503	144.00	211	235.00	40	479.00	35
83.00	222	145.00	384	237.00	50	497.00	36
84.00	140	146.00	771	238.00	54	500.00	38
85.00	38	147.00	508	244.00	39	506.00	71
86.00	342	148.00	1242	249.00	35	515.00	35
87.00	29352	149.00	504	250.00	99	521.00	53
88.00	27928	150.00	522	251.00	51	528.00	36
89.00	1	151.00	42	252.00	36		
90.00	127	153.00	351	253.00	300		
91.00	2170	154.00	212	254.00	33		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09447.D

Injection Date: 05-Jan-2021 15:20:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

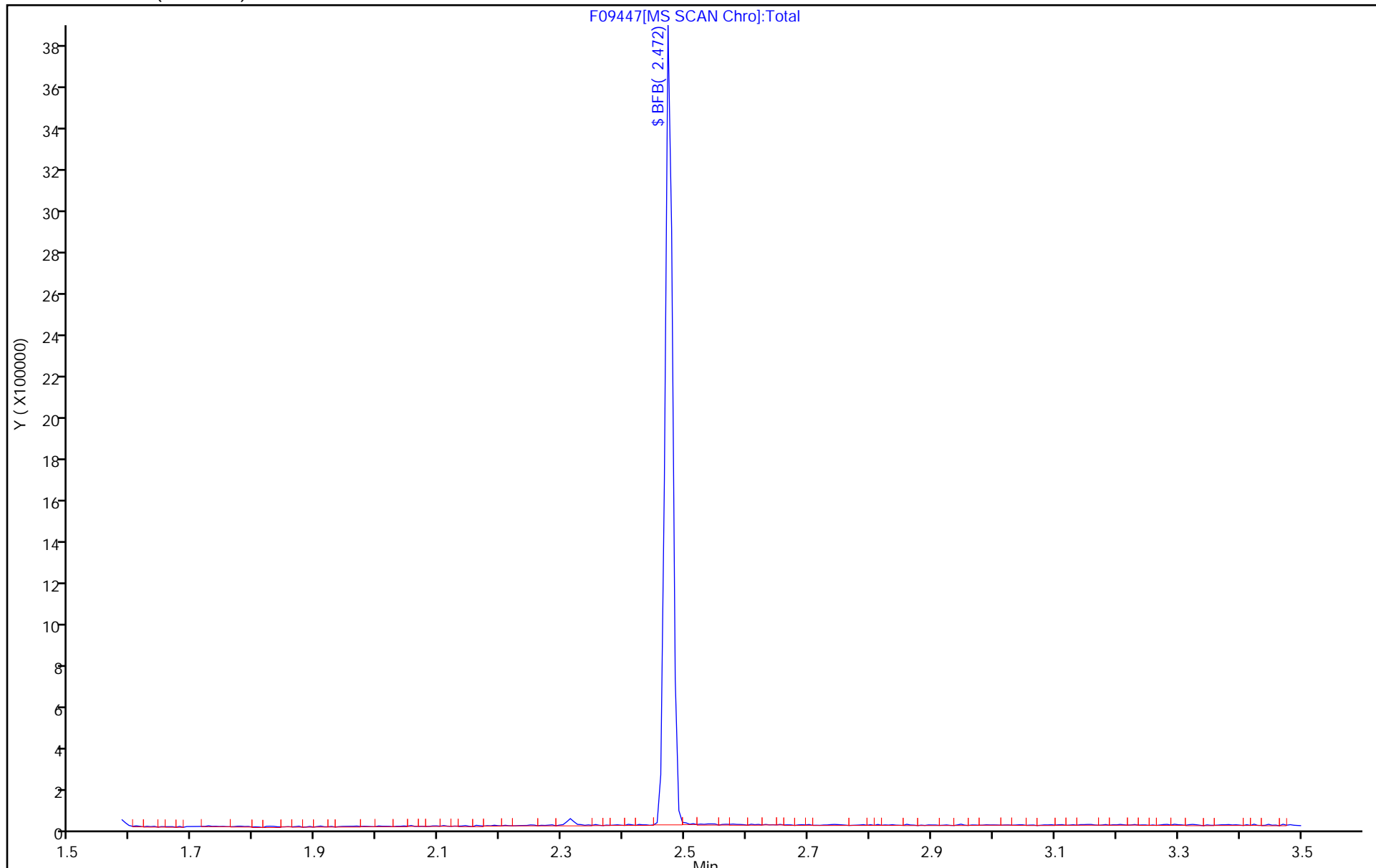
Dil. Factor: 1.0000

ALS Bottle#: 99

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09729.D  
 Lims ID: BFB  
 Client ID:  
 Sample Type: BFB  
 Inject. Date: 19-Jan-2021 17:30:30 ALS Bottle#: 99 Worklist Smp#: 1  
 Injection Vol: 5.0 mL Dil. Factor: 1.0000  
 Sample Info: BFB  
 Misc. Info.: 460-0123057-001  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 07:42:54 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1621

First Level Reviewer: moroneyc Date: 20-Jan-2021 07:42:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 133 BFB

**QC Flag Legend**

Processing Flags

**Reagents:**

BFB\_00028 Amount Added: 1.00 Units: uL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09729.D

Injection Date: 19-Jan-2021 17:30:30

Instrument ID: CVOAMS6

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

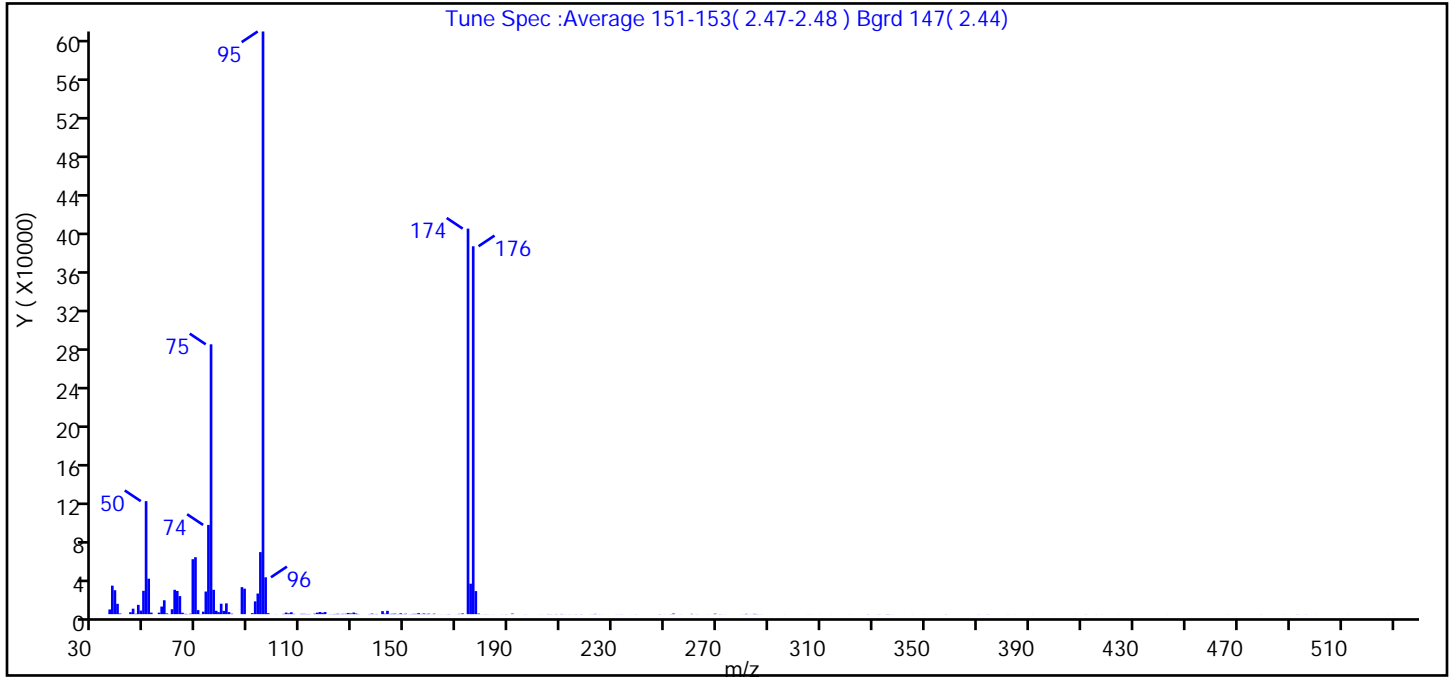
Dil. Factor: 1.0000

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Tune Method: BFB Method 8260D

\$ 133 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (151.1)
96	5 to 9% of m/z 95	6.3
173	<2% of m/z 174	0.0 (0.0)
174	50 to 200% of m/z 95	66.2
175	5 to 9% of m/z 174	5.2 (7.9)
176	95 to 105% of m/z 174	63.1 (95.4)
177	5 to 10% of m/z 176	4.0 (6.3)

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09729.D\8260624W6.rsl\spectra.d  
Injection Date: 19-Jan-2021 17:30:30  
Spectrum: Tune Spec :Average 151-153( 2.47-2.48 ) Bgrd 147( 2.44)  
Base Peak: 95.10  
Minimum % Base Peak: 0  
Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4844	98.00	14	163.00	59	266.00	50
37.00	29496	100.00	78	164.00	42	269.00	504
38.00	24776	103.00	306	165.00	15	271.00	125
39.00	10685	104.00	1610	166.00	86	273.00	48
40.00	647	105.00	806	167.00	167	279.00	46
44.00	2005	106.00	1940	169.00	51	280.00	58
45.00	5646	107.00	302	171.00	313	281.00	319
46.00	400	110.00	323	172.00	731	282.00	39
47.00	9599	111.00	338	174.00	398848	283.00	48
48.00	3692	112.00	210	175.00	31488	284.00	295
49.00	24160	113.00	158	176.00	380608	285.00	156
50.00	116920	115.00	516	177.00	23856	286.00	37
51.00	36680	116.00	1564	178.00	588	287.00	52
52.00	1596	117.00	2206	179.00	59	296.00	43
53.00	27	118.00	1468	180.00	51	305.00	35
55.00	1570	119.00	2181	181.00	97	306.00	44
56.00	7843	121.00	110	182.00	50	309.00	33
57.00	14355	122.00	144	184.00	48	314.00	39
58.00	788	123.00	220	187.00	73	321.00	45
59.00	74	124.00	421	189.00	124	328.00	111
60.00	5108	125.00	96	191.00	596	331.00	37
61.00	25168	126.00	347	196.00	98	332.00	89
62.00	24008	127.00	409	202.00	37	335.00	123
63.00	18656	128.00	1251	202.00	41	336.00	90
64.00	1462	129.00	767	203.00	14	338.00	35
65.00	288	130.00	1654	205.00	180	345.00	42
66.00	163	131.00	684	206.00	107	350.00	48
67.00	450	132.00	181	208.00	169	358.00	107
68.00	56848	136.00	183	210.00	207	371.00	81
69.00	58888	137.00	571	211.00	49	374.00	56
70.00	4155	138.00	43	212.00	37	374.00	66
71.00	136	139.00	240	213.00	93	382.00	61
72.00	2570	141.00	3109	215.00	34	385.00	40



Report Date: 20-Jan-2021 07:42:55

Chrom Revision: 2.3 09-Dec-2020 16:22:14

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09729.D\8260624W6.rsl\spectra.d

Injection Date: 19-Jan-2021 17:30:30

Spectrum: Tune Spec :Average 151-153( 2.47-2.48 ) Bgrd 147( 2.44)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	23400	142.00	490	216.00	108	391.00	42
74.00	92304	143.00	3450	218.00	133	399.00	36
75.00	279168	144.00	236	218.00	4	408.00	33
76.00	25176	145.00	381	221.00	35	412.00	75
77.00	3443	146.00	531	222.00	78	416.00	45
78.00	2032	147.00	144	223.00	285	418.00	37
79.00	10802	148.00	918	225.00	63	424.00	39
80.00	3385	149.00	148	226.00	34	443.00	46
81.00	11158	150.00	465	231.00	52	466.00	49
82.00	2110	152.00	130	232.00	34	479.00	57
83.00	478	153.00	316	233.00	85	488.00	47
87.00	27952	154.00	328	237.00	33	493.00	96
88.00	26360	155.00	1069	239.00	85	496.00	66
91.00	1068	156.00	223	248.00	143	500.00	36
92.00	13208	157.00	669	250.00	42	513.00	35
93.00	21320	158.00	220	252.00	150	528.00	40
94.00	64168	159.00	511	253.00	642	530.00	33
95.00	602816	160.00	79	256.00	60		
96.00	38128	161.00	474	260.00	322		
97.00	1037	162.00	3	262.00	100		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09729.D

Injection Date: 19-Jan-2021 17:30:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

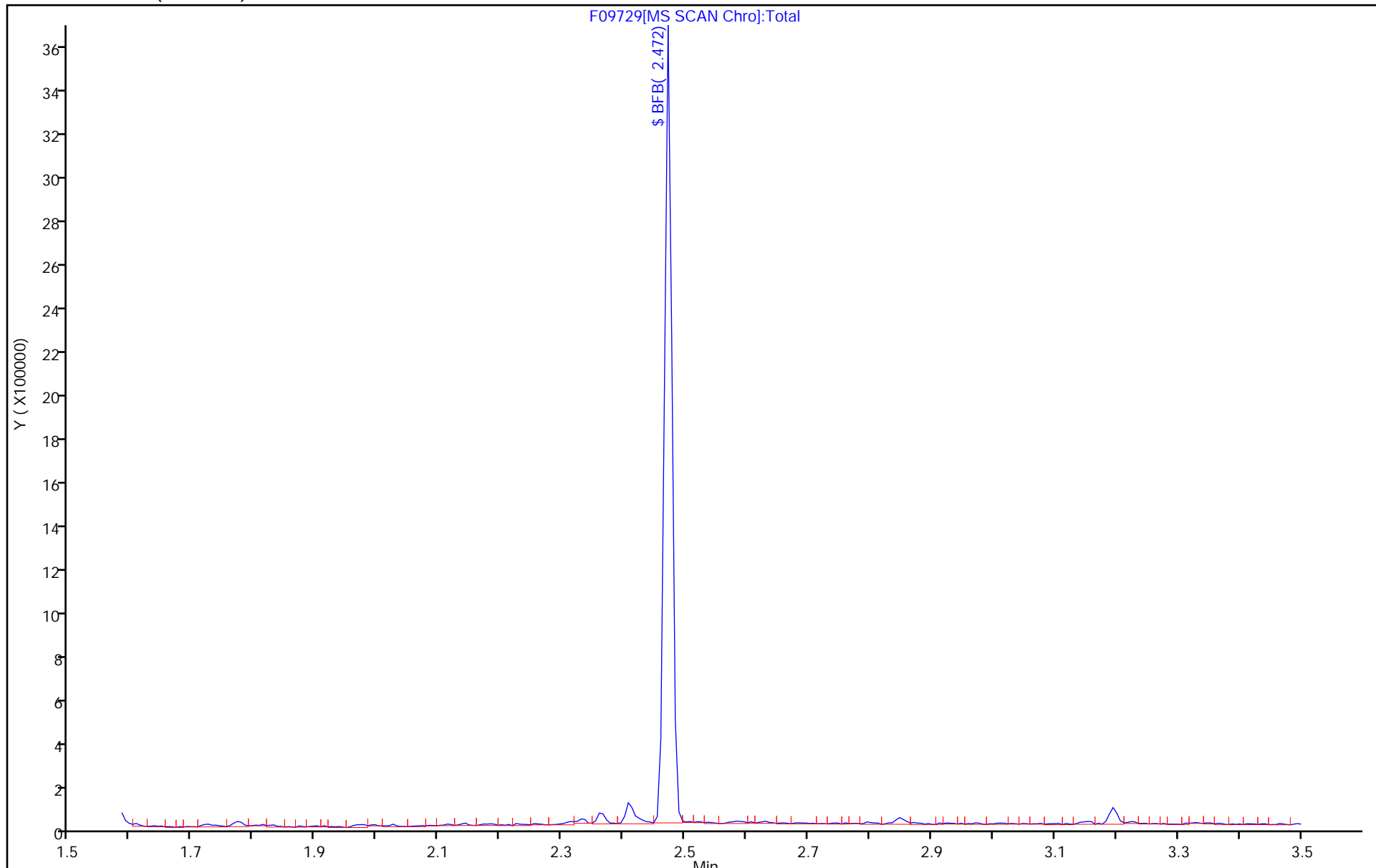
Dil. Factor: 1.0000

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-753821/11  
 Matrix: Water Lab File ID: F09739.D  
 Analysis Method: 8260D Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 21:40  
 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.: 753821 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	6.72		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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-753821/11  
 Matrix: Water Lab File ID: F09739.D  
 Analysis Method: 8260D Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 21:40  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
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
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)	100		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09739.D  
 Lims ID: MB  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 19-Jan-2021 21:40:30 ALS Bottle#: 10 Worklist Smp#: 11  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: MB  
 Misc. Info.: 460-0123057-011  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 07:58:13 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1621

First Level Reviewer: moroneyc Date: 20-Jan-2021 07:46:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
18 Acetone	43	2.782	2.774	0.008	86	9046		6.72	
* 27 TBA-d9 (IS)	65	3.119	3.119	0.000	0	413829	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.121	4.121	0.000	0	462972	250.0	250.0	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	96	186559	50.0	50.3	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	216624	50.0	50.0	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	685628	50.0	50.0	
* 67 1,4-Dioxane-d8	96	5.863	5.872	-0.009	0	32847	1000.0	1000.0	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	691753	50.0	52.3	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	88	450167	50.0	50.0	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	86	190680	50.0	47.7	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	273177	50.0	50.0	

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR\_00042 Amount Added: 5.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09739.D

Injection Date: 19-Jan-2021 21:40:30

Instrument ID: CVOAMS6

Operator ID:

Lims ID: MB

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

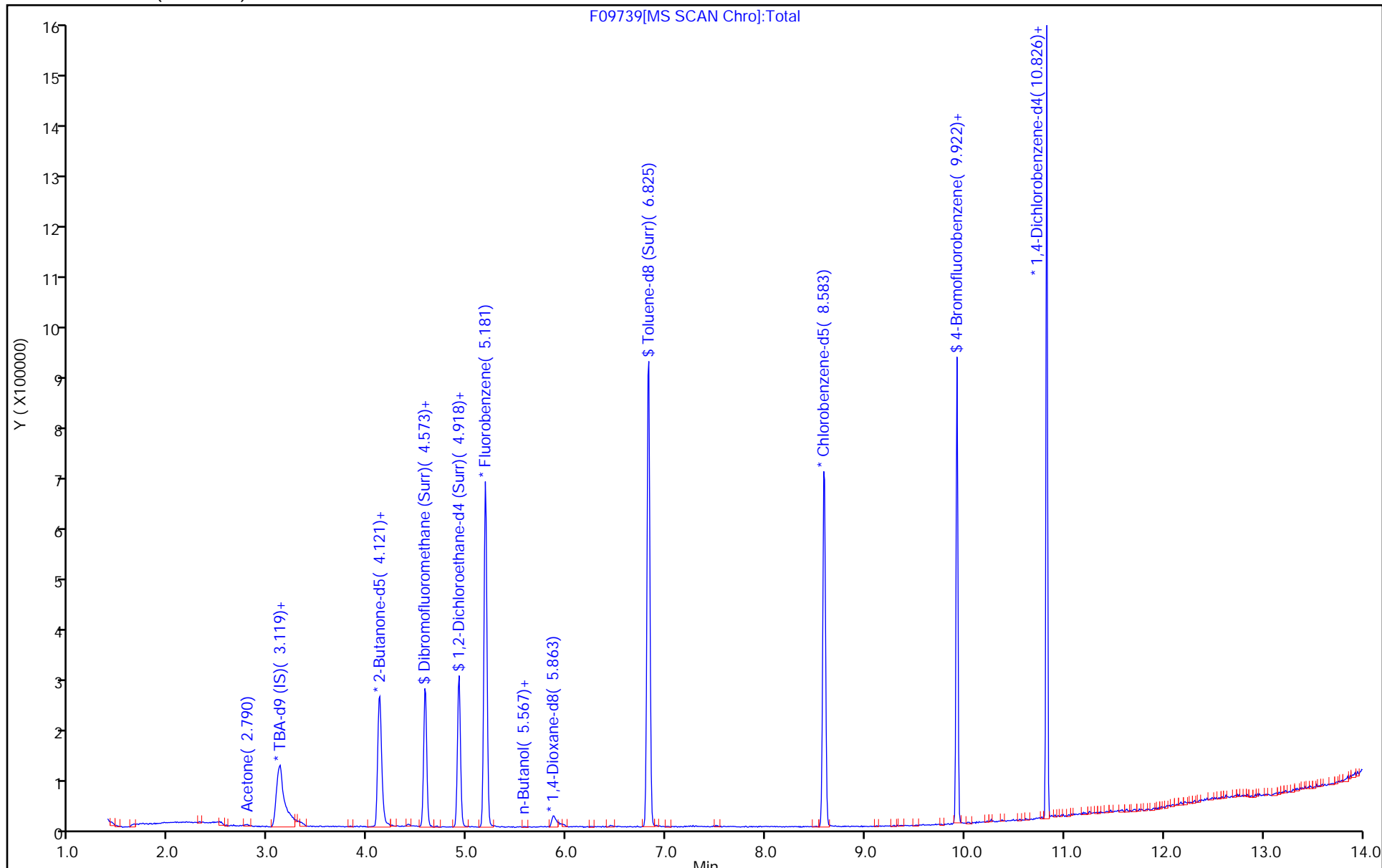
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09739.D

Injection Date: 19-Jan-2021 21:40:30

Instrument ID: CVOAMS6

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

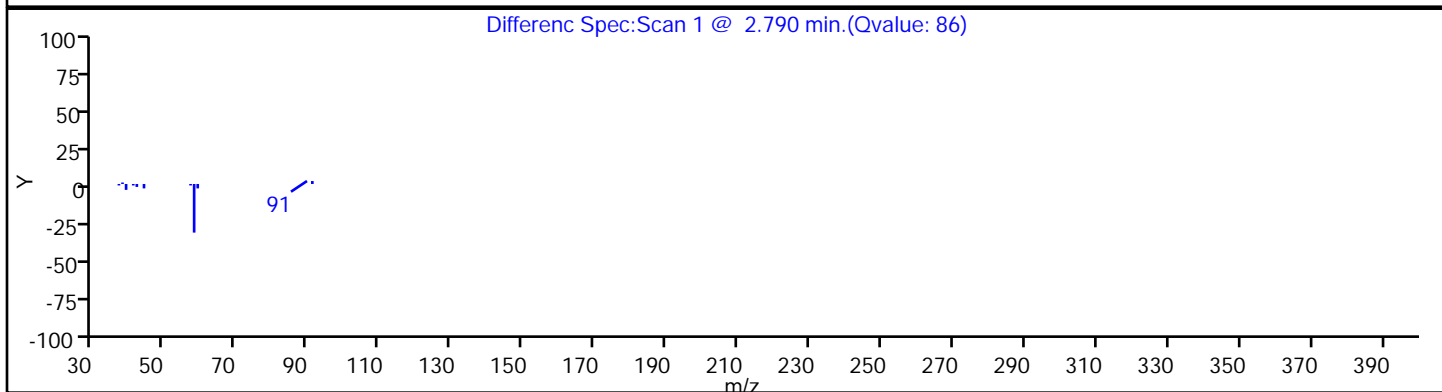
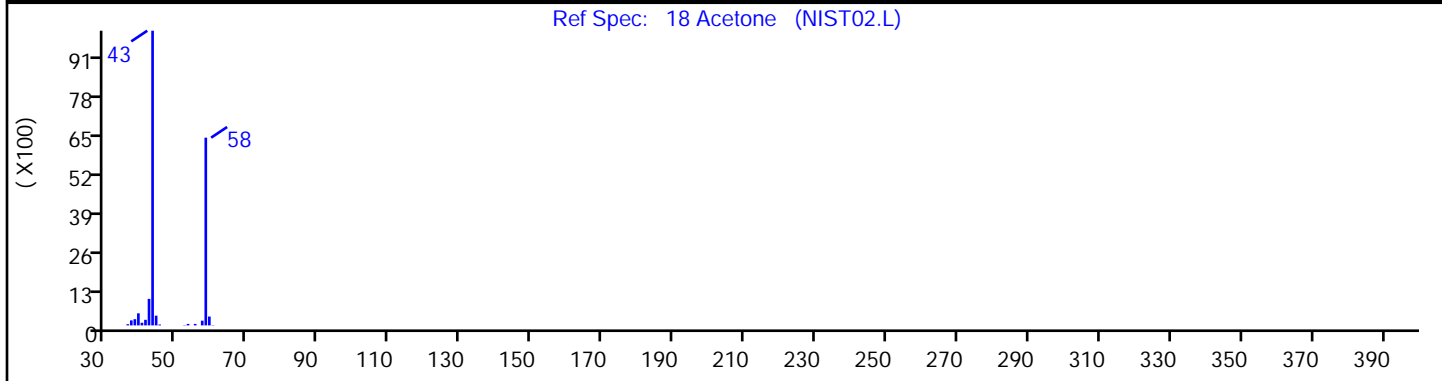
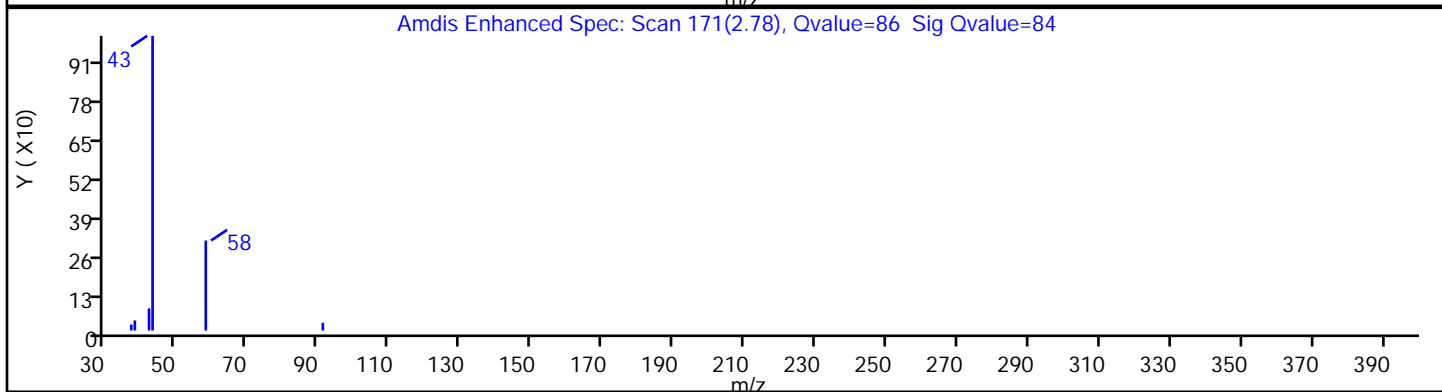
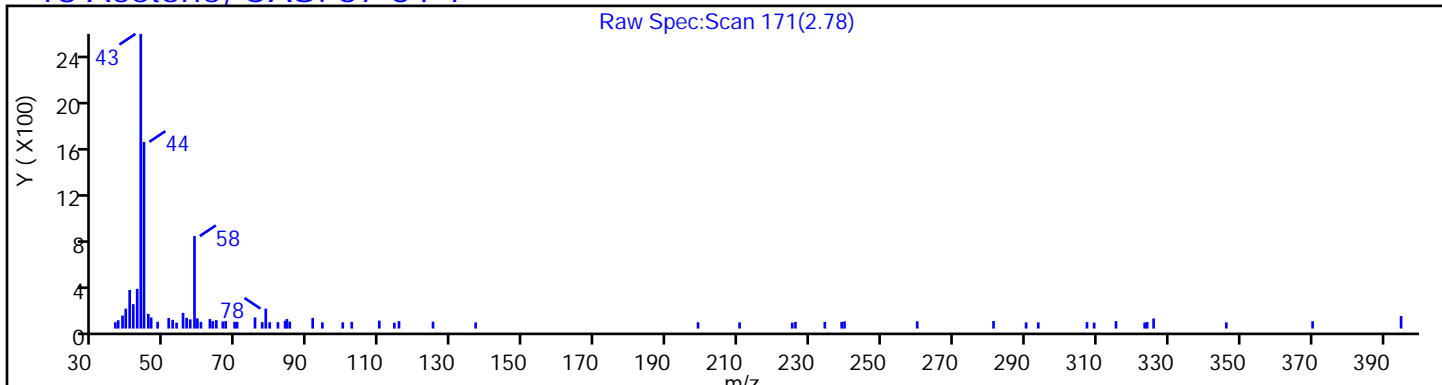
Method: 8260624W6

Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

18 Acetone, CAS: 67-64-1

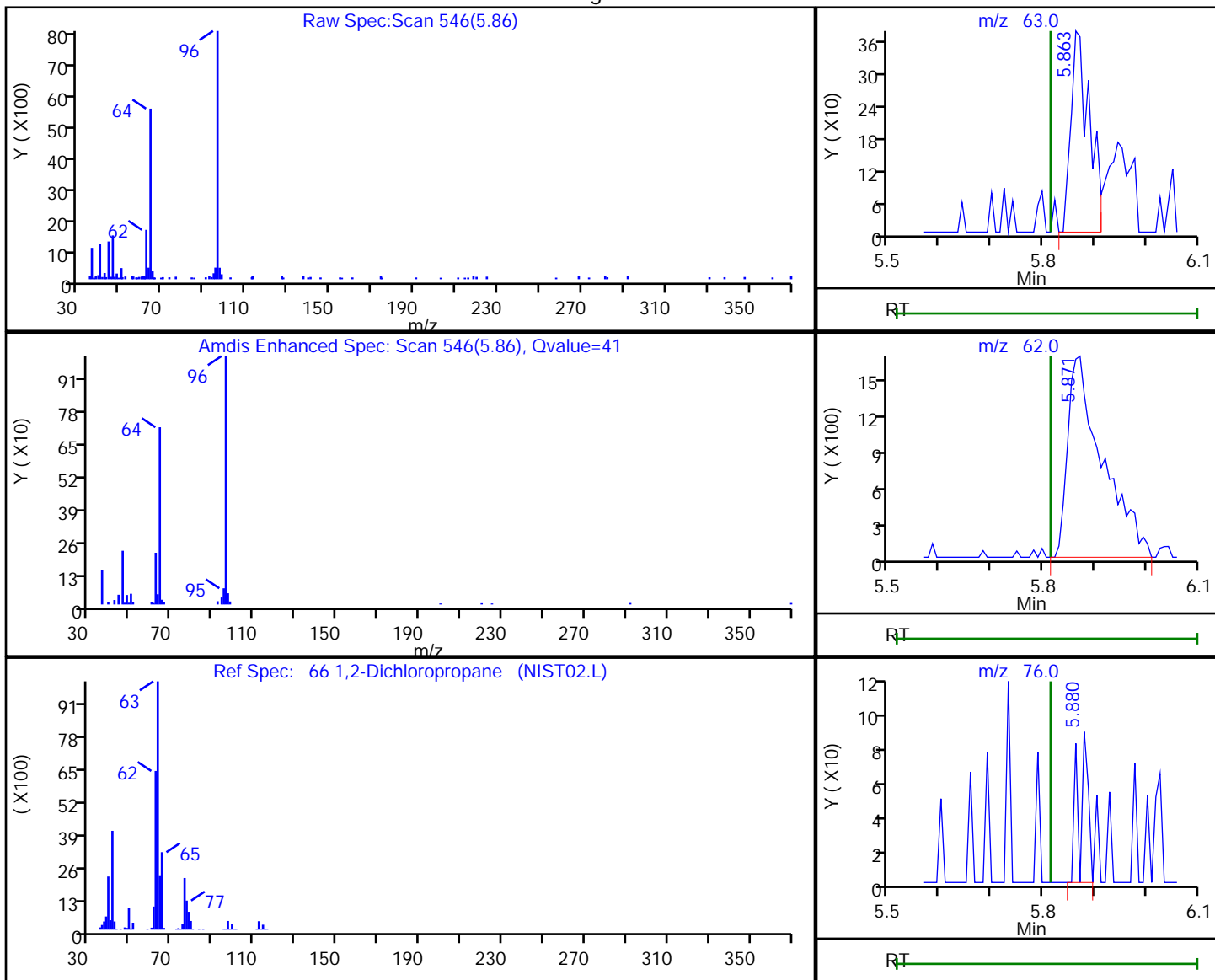


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09739.D  
 Injection Date: 19-Jan-2021 21:40:30 Instrument ID: CVOAMS6  
 Lims ID: MB  
 Client ID:  
 Operator ID: ALS Bottle#: 10 Worklist Smp#: 11  
 Purge Vol: 5.000 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
5.86	63.00	938	0.281110
5.87	62.00	7617	
5.88	76.00	113	
5.86	112.00	33	

Reviewer: moroneyc, 20-Jan-2021 07:46:25  
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

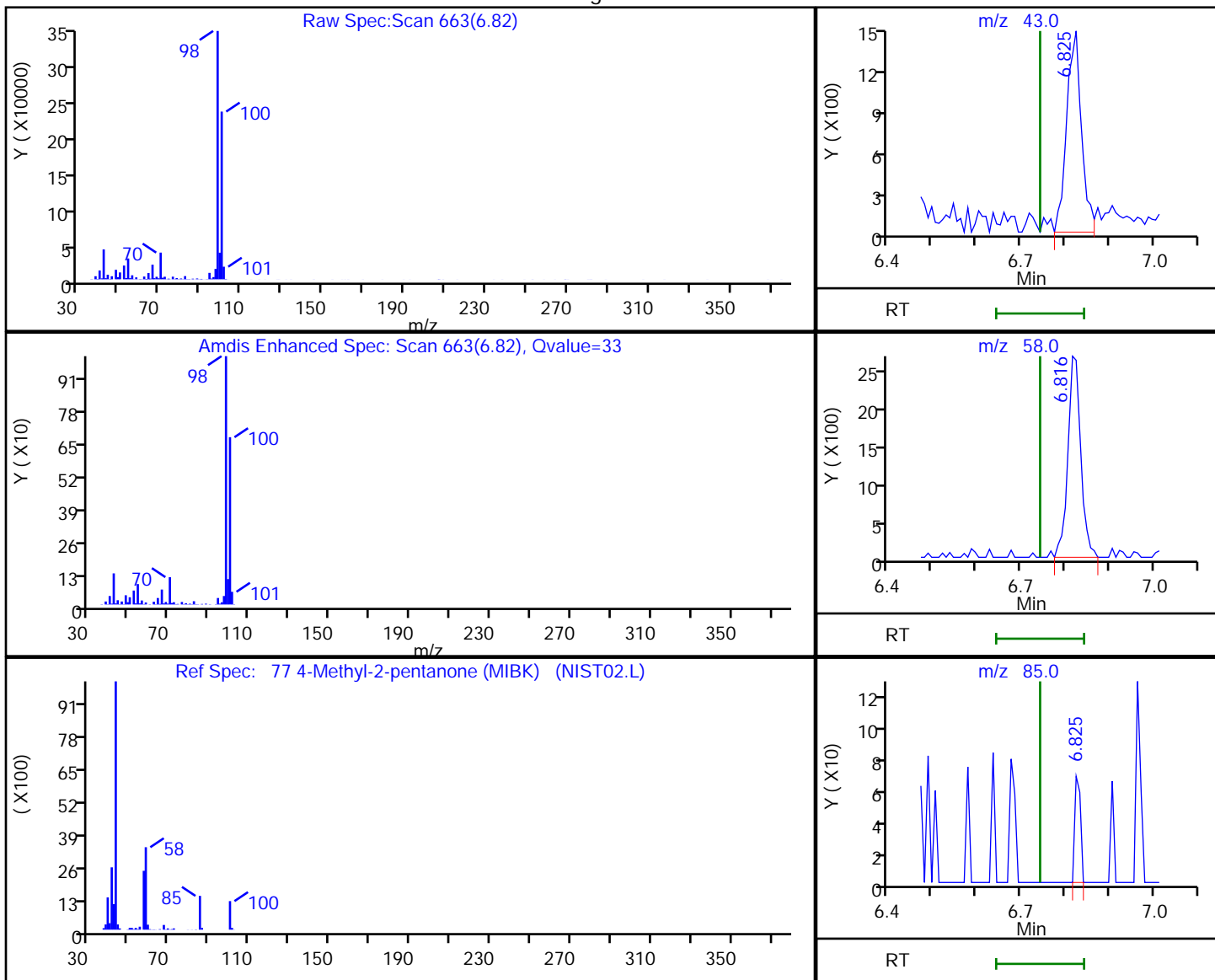


Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09739.D  
 Injection Date: 19-Jan-2021 21:40:30 Instrument ID: CVOAMS6  
 Lims ID: MB  
 Client ID:  
 Operator ID: ALS Bottle#: 10 Worklist Smp#: 11  
 Purge Vol: 5.000 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
6.82	43.00	3482	0.828295
6.82	58.00	5466	
6.82	85.00	61	
6.82	100.00	465259	

Reviewer: moroneyc, 20-Jan-2021 07:46:28

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-753821/4  
 Matrix: Water Lab File ID: F09732.D  
 Analysis Method: 8260D Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 18:48  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	24.3		1.0	0.40
74-83-9	Bromomethane	19.8		1.0	0.55
75-01-4	Vinyl chloride	23.4		1.0	0.17
75-00-3	Chloroethane	20.7		1.0	0.32
75-09-2	Methylene Chloride	21.7		1.0	0.32
67-64-1	Acetone	106		5.0	4.4
75-15-0	Carbon disulfide	23.2		1.0	0.82
75-69-4	Trichlorofluoromethane	20.8		1.0	0.32
75-35-4	1,1-Dichloroethene	21.5		1.0	0.26
75-34-3	1,1-Dichloroethane	23.5		1.0	0.26
156-60-5	trans-1,2-Dichloroethene	21.6		1.0	0.24
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.22
67-66-3	Chloroform	21.9		1.0	0.33
107-06-2	1,2-Dichloroethane	22.2		1.0	0.43
78-93-3	2-Butanone (MEK)	91.5		5.0	1.9
71-55-6	1,1,1-Trichloroethane	21.3		1.0	0.24
56-23-5	Carbon tetrachloride	21.9		1.0	0.21
75-27-4	Dichlorobromomethane	21.4		1.0	0.34
78-87-5	1,2-Dichloropropane	24.0		1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	23.0		1.0	0.22
79-01-6	Trichloroethene	21.7		1.0	0.31
124-48-1	Chlorodibromomethane	21.1		1.0	0.28
79-00-5	1,1,2-Trichloroethane	23.6		1.0	0.20
71-43-2	Benzene	23.8		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	22.7		1.0	0.22
75-25-2	Bromoform	19.9		1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	95.7		5.0	1.3
591-78-6	2-Hexanone	92.5		5.0	1.1
127-18-4	Tetrachloroethene	21.8		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	23.6		1.0	0.37
108-88-3	Toluene	22.0		1.0	0.38
108-90-7	Chlorobenzene	21.4		1.0	0.38
100-41-4	Ethylbenzene	22.1		1.0	0.30
100-42-5	Styrene	21.7		1.0	0.42
179601-23-1	m-Xylene & p-Xylene	22.6		1.0	0.30
95-47-6	o-Xylene	22.0		1.0	0.36

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-753821/4  
 Matrix: Water Lab File ID: F09732.D  
 Analysis Method: 8260D Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 18:48  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.8		1.0	0.31
1634-04-4	Methyl tert-butyl ether	21.7		1.0	0.22
110-82-7	Cyclohexane	23.0		1.0	0.32
106-93-4	Ethylene Dibromide	21.2		1.0	0.50
541-73-1	1,3-Dichlorobenzene	21.7		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.6		1.0	0.33
95-50-1	1,2-Dichlorobenzene	22.2		1.0	0.21
75-71-8	Dichlorodifluoromethane	20.3		1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	22.2		1.0	0.37
123-91-1	1,4-Dioxane	602		50	28
87-61-6	1,2,3-Trichlorobenzene	22.9		1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		1.0	0.38
74-97-5	Chlorobromomethane	21.0		1.0	0.41
98-82-8	Isopropylbenzene	22.3		1.0	0.34
79-20-9	Methyl acetate	52.6		5.0	0.79
108-87-2	Methylcyclohexane	23.8		1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09732.D  
 Lims ID: LCS  
 Client ID:  
 Sample Type: LCS  
 Inject. Date: 19-Jan-2021 18:48:30 ALS Bottle#: 3 Worklist Smp#: 4  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: LCS  
 Misc. Info.: 460-0123057-004  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 20:30:38 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1608

First Level Reviewer: yallabg

Date: 19-Jan-2021 19:18:28

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.550	1.558	-0.008	99	109553	20.0	20.3	
2 Chloromethane	50	1.714	1.722	-0.008	100	166781	20.0	24.3	
4 Vinyl chloride	62	1.788	1.796	-0.008	98	145442	20.0	23.4	
3 Butadiene	54	1.796	1.804	-0.008	95	130834	20.0	24.3	
5 Bromomethane	94	2.067	2.075	-0.008	98	82944	20.0	19.8	
6 Chloroethane	64	2.125	2.133	-0.008	99	80391	20.0	20.7	
7 Dichlorofluoromethane	67	2.281	2.289	-0.008	98	169571	20.0	20.7	
8 Trichlorofluoromethane	101	2.289	2.305	-0.016	85	121345	20.0	20.8	
9 Pentane	72	2.322	2.322	0.000	97	37114	40.0	38.6	
11 Ethanol	46	2.486	2.486	0.000	79	24243	800.0	1088.3	
10 Ethyl ether	59	2.486	2.494	-0.008	93	76238	20.0	21.1	
12 2-Methyl-1,3-butadiene	53	2.511	2.519	-0.008	97	84974	20.0	23.0	
15 Acrolein	56	2.659	2.659	0.000	38	13858	40.0	37.2	
16 112TCTFE	101	2.675	2.683	-0.008	95	78175	20.0	22.8	
17 1,1-Dichloroethene	96	2.692	2.700	-0.008	97	78384	20.0	21.5	
18 Acetone	43	2.774	2.774	0.000	88	153710	100.0	105.9	
19 Iodomethane	142	2.840	2.848	-0.008	97	126230	20.0	21.5	
20 Isopropyl alcohol	45	2.856	2.864	-0.008	28	46274	200.0	231.3	
21 Carbon disulfide	76	2.872	2.881	-0.009	100	310297	20.0	23.2	
22 3-Chloro-1-propene	41	2.987	2.987	0.000	96	181031	20.0	22.8	
23 Methyl acetate	43	2.996	2.996	0.000	99	150721	40.0	52.6	
24 Cyclopentene	67	3.004	3.012	-0.008	93	226685	20.0	24.2	
25 Acetonitrile	41	3.053	3.061	-0.008	96	168043	200.0	308.9	a
26 Methylene Chloride	84	3.111	3.111	0.000	96	96535	20.0	21.7	
* 27 TBA-d9 (IS)	65	3.111	3.119	-0.008	0	450068	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.168	3.176	-0.008	95	96792	200.0	222.3	a
29 Methyl tert-butyl ether	73	3.250	3.259	-0.009	98	244380	20.0	21.7	
30 trans-1,2-Dichloroethene	96	3.275	3.283	-0.008	97	85381	20.0	21.6	
31 Acrylonitrile	53	3.349	3.349	0.000	94	399526	200.0	234.1	
32 Hexane	43	3.423	3.431	-0.008	94	84480	20.0	25.7	
33 Isopropyl ether	45	3.628	3.637	-0.009	95	301610	20.0	24.6	

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	3.653	3.661	-0.008	99	157763	20.0	23.5	
35 Vinyl acetate	86	3.669	3.669	0.000	100	35320	40.0	42.6	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	91	70532	20.0	22.3	
37 Tert-butyl ethyl ether	59	3.932	3.932	0.000	89	259785	20.0	22.4	
* 38 2-Butanone-d5	46	4.113	4.121	-0.008	0	499038	250.0	250.0	
39 2,2-Dichloropropane	97	4.146	4.138	0.008	88	29525	20.0	23.1	
40 cis-1,2-Dichloroethene	96	4.154	4.154	0.000	94	90635	20.0	22.1	
41 Ethyl acetate	70	4.171	4.171	0.000	95	17166	40.0	41.1	
42 2-Butanone (MEK)	72	4.162	4.171	-0.009	96	48302	100.0	91.5	
43 Methyl acrylate	55	4.220	4.228	-0.008	99	68656	20.0	24.6	
44 Propionitrile	54	4.294	4.302	-0.008	98	138017	200.0	209.6	
45 Chlorobromomethane	128	4.368	4.376	-0.008	93	42432	20.0	21.0	
46 Tetrahydrofuran	72	4.376	4.376	0.000	84	24318	40.0	38.4	
47 Methacrylonitrile	67	4.393	4.392	0.001	94	360714	200.0	225.5	
48 Chloroform	83	4.417	4.425	-0.008	98	132811	20.0	21.9	
49 Cyclohexane	84	4.557	4.565	-0.008	92	142959	20.0	23.0	
50 1,1,1-Trichloroethane	97	4.565	4.573	-0.008	67	115592	20.0	21.3	
\$ 51 Dibromofluoromethane (Surr)	113	4.573	4.573	0.000	97	193850	50.0	49.5	
52 Carbon tetrachloride	117	4.688	4.688	0.000	96	90945	20.0	21.9	
53 1,1-Dichloropropene	75	4.705	4.713	-0.008	96	103586	20.0	22.7	
54 Isobutyl alcohol	43	4.836	4.828	0.008	94	62698	500.0	243.3	
55 Benzene	78	4.902	4.902	0.000	96	324578	20.0	23.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.910	4.918	-0.008	0	229404	50.0	50.1	
57 Isopropyl acetate	43	4.960	4.959	0.001	93	272721	20.0	22.6	
58 Tert-amyl methyl ether	73	4.968	4.968	0.000	93	274414	20.0	20.5	
59 1,2-Dichloroethane	62	4.984	4.984	0.000	96	96980	20.0	22.2	
60 n-Heptane	57	5.050	5.058	-0.008	93	71667	20.0	25.6	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	723767	50.0	50.0	
62 n-Butanol	56	5.477	5.485	-0.008	89	52772	500.0	688.2	
63 Trichloroethene	95	5.527	5.526	0.000	98	69344	20.0	21.7	
64 Ethyl acrylate	55	5.650	5.650	0.000	96	212208	20.0	23.3	
65 Methylcyclohexane	83	5.658	5.658	0.000	89	161233	20.0	23.8	
66 1,2-Dichloropropane	63	5.806	5.814	-0.008	93	84390	20.0	24.0	
* 67 1,4-Dioxane-d8	96	5.863	5.872	-0.009	0	38274	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	93	37023	40.0	40.5	
71 1,4-Dioxane	88	5.921	5.929	-0.008	91	17595	400.0	602.3	a
69 Dibromomethane	93	5.929	5.937	-0.008	96	45693	20.0	20.8	
70 n-Propyl acetate	43	5.937	5.937	0.000	98	111284	20.0	22.7	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	90113	20.0	21.4	
74 2-Nitropropane	41	6.414	6.414	0.000	84	38327	40.0	40.6	
73 2-Chloroethyl vinyl ether	63	6.414	6.414	0.000	82	40696	20.0	20.5	
75 Epichlorohydrin	57	6.521	6.521	0.000	99	152759	400.0	386.3	
76 cis-1,3-Dichloropropene	75	6.570	6.578	-0.008	92	115419	20.0	23.0	
77 4-Methyl-2-pentanone (MIBK)	43	6.743	6.743	0.000	97	433554	100.0	95.7	
\$ 78 Toluene-d8 (Surr)	98	6.817	6.825	-0.008	99	765790	50.0	51.9	
79 Toluene	91	6.899	6.899	0.000	94	310390	20.0	22.0	
80 trans-1,3-Dichloropropene	75	7.236	7.244	-0.008	99	98533	20.0	22.7	
81 Ethyl methacrylate	69	7.277	7.277	0.000	92	91706	20.0	20.7	
82 1,1,2-Trichloroethane	83	7.449	7.449	0.000	96	55600	20.0	23.6	
83 Tetrachloroethene	166	7.499	7.498	0.001	95	67862	20.0	21.8	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	95	112147	20.0	22.7	
85 2-Hexanone	43	7.729	7.729	0.000	97	254682	100.0	92.5	

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	7.844	7.844	0.000	99	124928	20.0	22.3	
87 Chlorodibromomethane	129	7.893	7.893	0.000	99	60000	20.0	21.1	
88 Ethylene Dibromide	107	8.041	8.041	0.000	97	61326	20.0	21.2	
* 89 Chlorobenzene-d5	117	8.583	8.591	-0.008	88	501772	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	94	192957	20.0	21.4	
91 Ethylbenzene	106	8.731	8.731	0.000	98	111790	20.0	22.1	
92 1,1,1,2-Tetrachloroethane	131	8.739	8.747	-0.008	95	72100	20.0	21.9	
93 m-Xylene & p-Xylene	106	8.887	8.887	0.000	0	137547	20.0	22.6	
94 n-Butyl acrylate	73	9.364	9.364	0.000	98	58460	20.0	20.0	
95 o-Xylene	106	9.372	9.372	0.000	93	145582	20.0	22.0	
96 Styrene	104	9.405	9.405	0.000	95	216364	20.0	21.7	
97 Amyl acetate (mixed isomers)	43	9.602	9.602	0.000	91	164302	20.0	22.5	
98 Bromoform	173	9.610	9.610	0.000	95	40562	20.0	19.9	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	377736	20.0	22.3	
\$ 100 4-Bromofluorobenzene	174	9.923	9.922	0.001	86	212336	50.0	47.7	
101 Bromobenzene	156	10.046	10.046	0.000	99	79937	20.0	20.7	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	104687	20.0	23.6	
103 N-Propylbenzene	91	10.112	10.111	0.001	99	460353	20.0	23.1	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	99	28676	20.0	21.4	
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	81	26968	20.0	24.1	
106 2-Chlorotoluene	91	10.202	10.202	0.000	97	304771	20.0	22.2	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	369532	20.0	22.6	
108 1,3,5-Trimethylbenzene	105	10.268	10.268	0.000	93	310044	20.0	22.5	
109 4-Chlorotoluene	91	10.301	10.300	0.001	97	273630	20.0	22.3	
110 Butyl Methacrylate	87	10.358	10.358	0.000	92	108697	20.0	21.7	
111 tert-Butylbenzene	119	10.506	10.506	0.000	94	237126	20.0	22.2	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	326269	20.0	22.4	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	415881	20.0	23.1	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	94	171427	20.0	21.7	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	347906	20.0	22.4	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	95	293949	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	175872	20.0	21.6	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	351737	20.0	22.6	
119 Benzyl chloride	91	10.941	10.941	0.000	98	211027	20.0	23.7	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	337008	20.0	22.1	
121 p-Diethylbenzene	119	11.032	11.032	0.000	93	194530	20.0	22.6	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	209825	20.0	23.7	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	95	179714	20.0	22.2	
124 1,2,4,5-Tetramethylbenzene	119	11.517	11.508	0.009	97	346119	20.0	22.4	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	96	22244	20.0	20.4	
126 1,3,5-Trichlorobenzene	180	11.665	11.664	0.001	97	141662	20.0	22.1	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	136398	20.0	22.2	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	92	49168	20.0	22.4	
129 Naphthalene	128	12.215	12.207	0.008	100	400206	20.0	24.0	
130 1,2,3-Trichlorobenzene	180	12.371	12.363	0.008	95	132587	20.0	22.9	
S 131 1,2-Dichloroethene, Total	100				0		40.0	43.7	
S 132 Xylenes, Total	100				0		40.0	44.7	

### QC Flag Legend

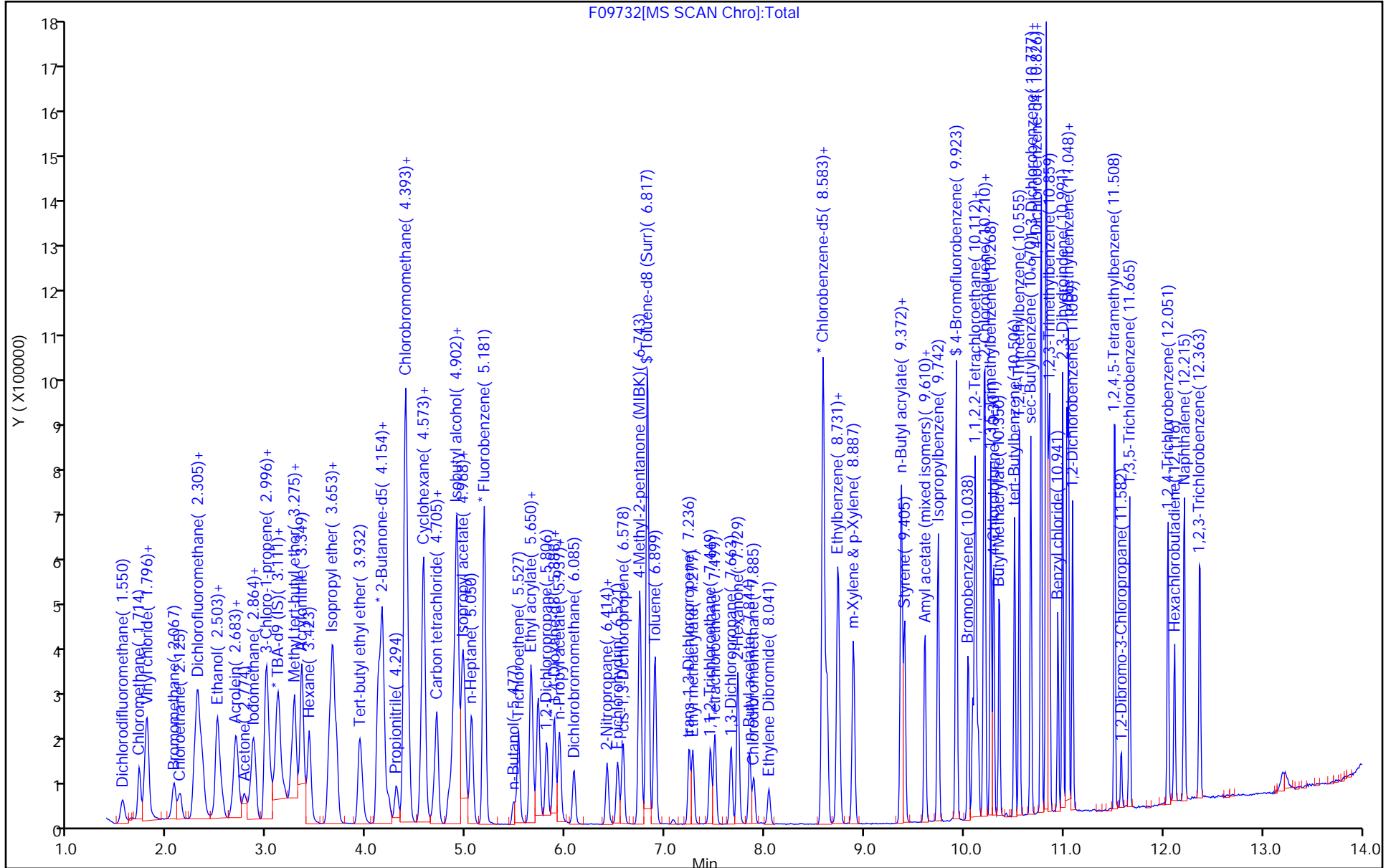
Processing Flags

Review Flags

a - User Assigned ID

**Reagents:**

GASES Li_00403	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00131	Amount Added: 20.00	Units: uL	
ACROLEIN W_00118	Amount Added: 4.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent





Eurofins TestAmerica, Edison

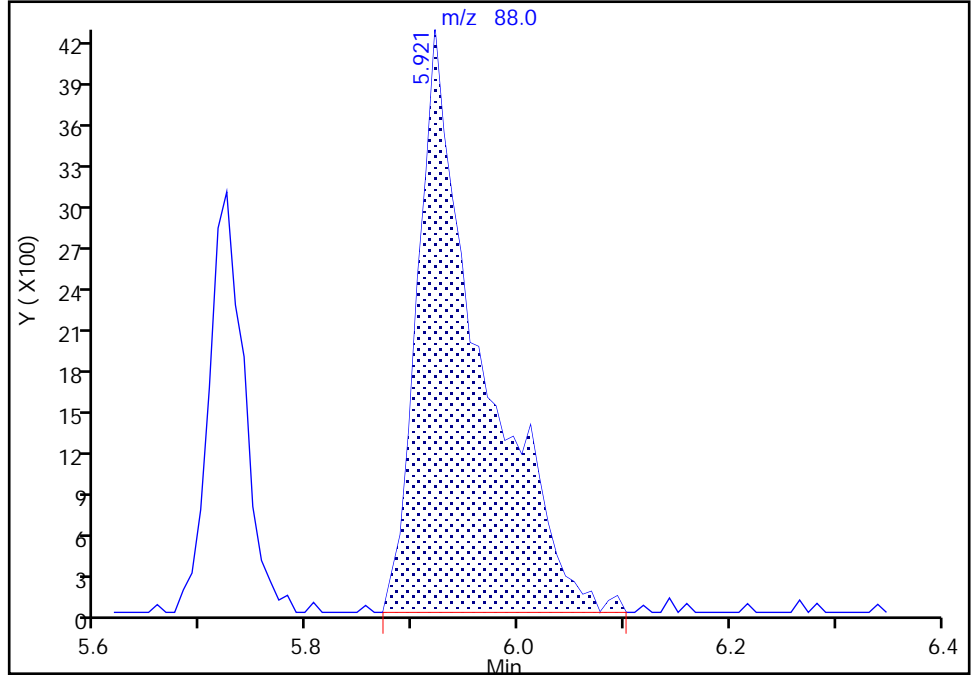
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09732.D  
Injection Date: 19-Jan-2021 18:48:30 Instrument ID: CVOAMS6  
Lims ID: LCS  
Client ID:  
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

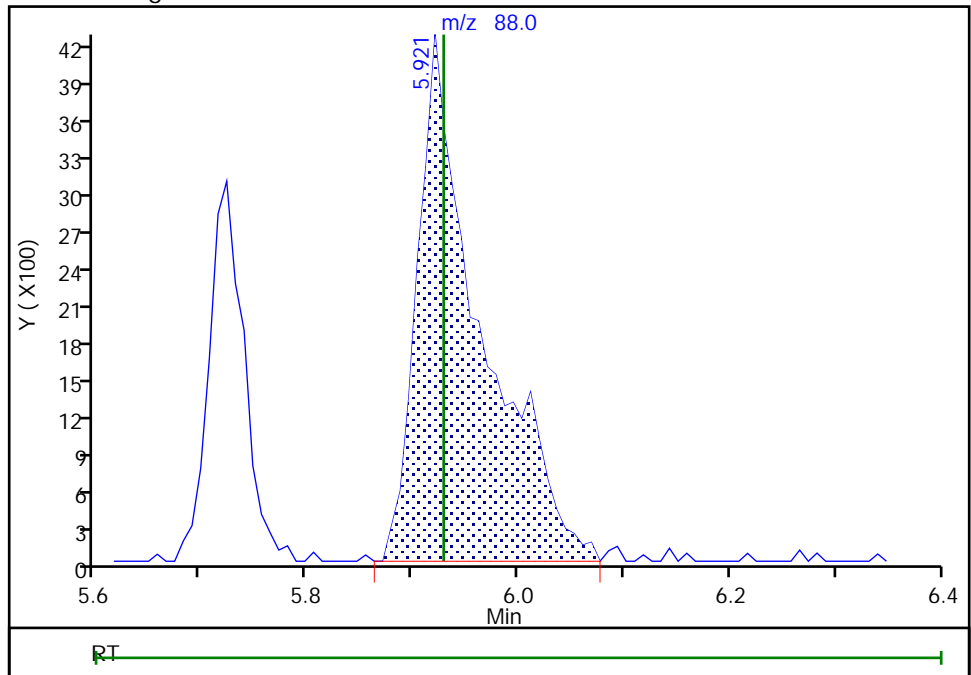
RT: 5.92  
Area: 17695  
Amount: 605.7180  
Amount Units: ug/l

Processing Integration Results



RT: 5.92  
Area: 17595  
Amount: 602.2949  
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 20-Jan-2021 07:45:10  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-753821/5  
 Matrix: Water Lab File ID: F09733.D  
 Analysis Method: 8260D Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 19:13  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	21.5		1.0	0.40
74-83-9	Bromomethane	18.5		1.0	0.55
75-01-4	Vinyl chloride	21.5		1.0	0.17
75-00-3	Chloroethane	19.4		1.0	0.32
75-09-2	Methylene Chloride	21.3		1.0	0.32
67-64-1	Acetone	91.9		5.0	4.4
75-15-0	Carbon disulfide	22.5		1.0	0.82
75-69-4	Trichlorofluoromethane	19.7		1.0	0.32
75-35-4	1,1-Dichloroethene	20.4		1.0	0.26
75-34-3	1,1-Dichloroethane	22.2		1.0	0.26
156-60-5	trans-1,2-Dichloroethene	21.0		1.0	0.24
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.22
67-66-3	Chloroform	21.0		1.0	0.33
107-06-2	1,2-Dichloroethane	21.3		1.0	0.43
78-93-3	2-Butanone (MEK)	90.5		5.0	1.9
71-55-6	1,1,1-Trichloroethane	20.4		1.0	0.24
56-23-5	Carbon tetrachloride	20.5		1.0	0.21
75-27-4	Dichlorobromomethane	20.3		1.0	0.34
78-87-5	1,2-Dichloropropane	22.3		1.0	0.35
10061-01-5	cis-1,3-Dichloropropene	22.2		1.0	0.22
79-01-6	Trichloroethene	21.1		1.0	0.31
124-48-1	Chlorodibromomethane	20.6		1.0	0.28
79-00-5	1,1,2-Trichloroethane	22.2		1.0	0.20
71-43-2	Benzene	22.5		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	21.9		1.0	0.22
75-25-2	Bromoform	19.3		1.0	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	96.1		5.0	1.3
591-78-6	2-Hexanone	93.0		5.0	1.1
127-18-4	Tetrachloroethene	20.8		1.0	0.25
79-34-5	1,1,2,2-Tetrachloroethane	22.8		1.0	0.37
108-88-3	Toluene	20.9		1.0	0.38
108-90-7	Chlorobenzene	20.7		1.0	0.38
100-41-4	Ethylbenzene	21.0		1.0	0.30
100-42-5	Styrene	20.9		1.0	0.42
179601-23-1	m-Xylene & p-Xylene	21.5		1.0	0.30
95-47-6	o-Xylene	20.9		1.0	0.36

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-753821/5  
 Matrix: Water Lab File ID: F09733.D  
 Analysis Method: 8260D Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/19/2021 19:13  
 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.: 753821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.2		1.0	0.31
1634-04-4	Methyl tert-butyl ether	21.2		1.0	0.22
110-82-7	Cyclohexane	22.0		1.0	0.32
106-93-4	Ethylene Dibromide	20.2		1.0	0.50
541-73-1	1,3-Dichlorobenzene	21.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.1		1.0	0.33
95-50-1	1,2-Dichlorobenzene	21.6		1.0	0.21
75-71-8	Dichlorodifluoromethane	18.7		1.0	0.31
120-82-1	1,2,4-Trichlorobenzene	21.6		1.0	0.37
123-91-1	1,4-Dioxane	621		50	28
87-61-6	1,2,3-Trichlorobenzene	22.1		1.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.0	0.38
74-97-5	Chlorobromomethane	20.2		1.0	0.41
98-82-8	Isopropylbenzene	21.4		1.0	0.34
79-20-9	Methyl acetate	53.3		5.0	0.79
108-87-2	Methylcyclohexane	22.5		1.0	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene	96		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09733.D  
 Lims ID: LCSD  
 Client ID:  
 Sample Type: LCSD  
 Inject. Date: 19-Jan-2021 19:13:30 ALS Bottle#: 4 Worklist Smp#: 5  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: LCSD  
 Misc. Info.: 460-0123057-005  
 Operator ID: Instrument ID: CVOAMS6  
 Method: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\8260624W6.m  
 Limit Group: VOA - 8260D Water and Solid  
 Last Update: 20-Jan-2021 20:30:38 Calib Date: 05-Jan-2021 18:59:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20210105-122504.b\F09456.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1608

First Level Reviewer: yallabg

Date: 19-Jan-2021 19:50:12

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	1.558	0.008	99	108215	20.0	18.7	
2 Chloromethane	50	1.730	1.722	0.008	99	158688	20.0	21.5	
4 Vinyl chloride	62	1.804	1.796	0.008	98	144088	20.0	21.5	
3 Butadiene	54	1.812	1.804	0.008	92	132493	20.0	22.9	
5 Bromomethane	94	2.084	2.075	0.009	99	83514	20.0	18.5	
6 Chloroethane	64	2.141	2.133	0.008	100	80575	20.0	19.4	
7 Dichlorofluoromethane	67	2.289	2.289	0.000	98	172176	20.0	19.6	
8 Trichlorofluoromethane	101	2.305	2.305	0.000	85	123437	20.0	19.7	
9 Pentane	72	2.330	2.322	0.008	97	39716	40.0	41.4	
11 Ethanol	46	2.503	2.486	0.017	73	20990	800.0	944.1	
10 Ethyl ether	59	2.503	2.494	0.009	92	80201	20.0	20.7	
12 2-Methyl-1,3-butadiene	53	2.527	2.519	0.008	97	90127	20.0	22.7	
15 Acrolein	56	2.667	2.659	0.008	89	14947	40.0	40.0	
16 112TCTFE	101	2.692	2.683	0.009	95	78274	20.0	21.2	
17 1,1-Dichloroethene	96	2.708	2.700	0.008	96	79860	20.0	20.4	
18 Acetone	43	2.790	2.774	0.016	87	141225	100.0	91.9	
19 Iodomethane	142	2.856	2.848	0.008	96	129658	20.0	20.6	
20 Isopropyl alcohol	45	2.881	2.864	0.017	29	34947	200.0	175.0	
21 Carbon disulfide	76	2.881	2.881	0.000	99	322998	20.0	22.5	
22 3-Chloro-1-propene	41	2.996	2.987	0.009	93	195442	20.0	22.9	
23 Methyl acetate	43	3.004	2.996	0.008	99	164258	40.0	53.3	
24 Cyclopentene	67	3.012	3.012	0.000	94	231705	20.0	23.0	
25 Acetonitrile	41	3.070	3.061	0.009	91	161825	200.0	298.1	a
26 Methylene Chloride	84	3.127	3.111	0.016	96	101600	20.0	21.3	
* 27 TBA-d9 (IS)	65	3.119	3.119	0.000	0	449212	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.193	3.176	0.017	94	97582	200.0	224.6	a
29 Methyl tert-butyl ether	73	3.267	3.259	0.008	98	256582	20.0	21.2	
30 trans-1,2-Dichloroethene	96	3.291	3.283	0.008	96	89004	20.0	21.0	
31 Acrylonitrile	53	3.357	3.349	0.008	95	425994	200.0	232.4	
32 Hexane	43	3.431	3.431	0.000	94	87166	20.0	24.7	
33 Isopropyl ether	45	3.637	3.637	-0.001	92	307048	20.0	23.3	

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	3.669	3.661	0.008	64	160237	20.0	22.2	
35 Vinyl acetate	86	3.669	3.669	0.000	100	35763	40.0	40.1	
36 2-Chloro-1,3-butadiene	88	3.702	3.702	0.000	91	72029	20.0	21.2	
37 Tert-butyl ethyl ether	59	3.941	3.932	0.009	89	274648	20.0	22.1	
* 38 2-Butanone-d5	46	4.121	4.121	0.000	0	527965	250.0	250.0	
39 2,2-Dichloropropane	97	4.154	4.138	0.016	89	29102	20.0	21.2	
40 cis-1,2-Dichloroethene	96	4.162	4.154	0.008	93	93161	20.0	21.1	
41 Ethyl acetate	70	4.179	4.171	0.008	94	17850	40.0	40.4	
42 2-Butanone (MEK)	72	4.179	4.171	0.008	96	50518	100.0	90.5	
43 Methyl acrylate	55	4.220	4.228	-0.008	98	72046	20.0	24.0	
44 Propionitrile	54	4.302	4.302	0.000	98	148552	200.0	226.0	
45 Chlorobromomethane	128	4.376	4.376	0.000	91	43847	20.0	20.2	
46 Tetrahydrofuran	72	4.384	4.376	0.008	64	24856	40.0	37.1	
47 Methacrylonitrile	67	4.401	4.392	0.009	93	372404	200.0	216.8	
48 Chloroform	83	4.425	4.425	0.000	98	136619	20.0	21.0	
49 Cyclohexane	84	4.565	4.565	0.000	92	146489	20.0	22.0	
50 1,1,1-Trichloroethane	97	4.573	4.573	0.000	64	118989	20.0	20.4	
\$ 51 Dibromofluoromethane (Surr)	113	4.581	4.573	0.008	97	208717	50.0	49.6	
52 Carbon tetrachloride	117	4.696	4.688	0.008	96	91210	20.0	20.5	
53 1,1-Dichloropropene	75	4.713	4.713	0.000	96	104801	20.0	21.4	
54 Isobutyl alcohol	43	4.836	4.828	0.008	95	64633	500.0	251.3	
55 Benzene	78	4.902	4.902	0.000	96	328001	20.0	22.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	65	4.918	4.918	0.000	0	244060	50.0	49.7	
57 Isopropyl acetate	43	4.968	4.959	0.009	95	285404	20.0	22.0	
58 Tert-amyl methyl ether	73	4.976	4.968	0.008	94	284068	20.0	19.7	
59 1,2-Dichloroethane	62	4.992	4.984	0.008	96	99850	20.0	21.3	
60 n-Heptane	57	5.058	5.058	0.000	94	71860	20.0	23.9	
* 61 Fluorobenzene	96	5.181	5.181	0.000	98	777180	50.0	50.0	
62 n-Butanol	56	5.477	5.485	-0.008	90	52657	500.0	688.0	
63 Trichloroethene	95	5.526	5.526	0.000	99	72391	20.0	21.1	
64 Ethyl acrylate	55	5.658	5.650	0.008	97	215736	20.0	22.1	
65 Methylcyclohexane	83	5.658	5.658	0.000	87	163321	20.0	22.5	
66 1,2-Dichloropropane	63	5.814	5.814	0.000	92	84471	20.0	22.3	
* 67 1,4-Dioxane-d8	96	5.863	5.872	-0.009	0	34216	1000.0	1000.0	
68 Methyl methacrylate	100	5.888	5.888	0.000	92	37924	40.0	38.6	
71 1,4-Dioxane	88	5.921	5.929	-0.008	35	16222	400.0	621.2	a
69 Dibromomethane	93	5.937	5.937	0.000	93	46896	20.0	19.9	
70 n-Propyl acetate	43	5.945	5.937	0.008	99	115477	20.0	21.9	
72 Dichlorobromomethane	83	6.085	6.085	0.000	99	91663	20.0	20.3	
74 2-Nitropropane	41	6.414	6.414	0.000	81	38725	40.0	38.2	
73 2-Chloroethyl vinyl ether	63	6.422	6.414	0.008	75	43474	20.0	20.4	
75 Epichlorohydrin	57	6.521	6.521	0.000	99	161296	400.0	385.6	
76 cis-1,3-Dichloropropene	75	6.578	6.578	0.000	92	119734	20.0	22.2	
77 4-Methyl-2-pentanone (MIBK)	43	6.742	6.743	-0.001	97	460918	100.0	96.1	
\$ 78 Toluene-d8 (Surr)	98	6.825	6.825	0.000	99	804526	50.0	50.8	
79 Toluene	91	6.899	6.899	0.000	94	316452	20.0	20.9	
80 trans-1,3-Dichloropropene	75	7.244	7.244	0.000	98	102133	20.0	21.9	
81 Ethyl methacrylate	69	7.277	7.277	0.000	92	96286	20.0	20.2	
82 1,1,2-Trichloroethane	83	7.457	7.449	0.008	95	56127	20.0	22.2	
83 Tetrachloroethene	166	7.498	7.498	0.000	96	69432	20.0	20.8	
84 1,3-Dichloropropane	76	7.663	7.663	0.000	95	116224	20.0	22.0	
85 2-Hexanone	43	7.729	7.729	0.000	97	270717	100.0	93.0	

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	7.852	7.844	0.008	99	132545	20.0	22.0	
87 Chlorodibromomethane	129	7.893	7.893	0.000	97	62754	20.0	20.6	
88 Ethylene Dibromide	107	8.041	8.041	0.000	99	62905	20.0	20.2	
* 89 Chlorobenzene-d5	117	8.591	8.591	0.000	87	538433	50.0	50.0	
90 Chlorobenzene	112	8.624	8.624	0.000	94	200229	20.0	20.7	
91 Ethylbenzene	106	8.731	8.731	0.000	99	113781	20.0	21.0	
92 1,1,1,2-Tetrachloroethane	131	8.747	8.747	0.000	95	74622	20.0	21.1	
93 m-Xylene & p-Xylene	106	8.895	8.887	0.008	0	140029	20.0	21.5	
94 n-Butyl acrylate	73	9.364	9.364	0.000	97	61475	20.0	19.6	
95 o-Xylene	106	9.372	9.372	0.000	93	148105	20.0	20.9	
96 Styrene	104	9.405	9.405	0.000	96	224252	20.0	20.9	
97 Amyl acetate (mixed isomers)	43	9.610	9.602	0.008	92	170274	20.0	21.9	
98 Bromoform	173	9.610	9.610	0.000	95	42125	20.0	19.3	
99 Isopropylbenzene	105	9.742	9.742	0.000	96	389078	20.0	21.4	
\$ 100 4-Bromofluorobenzene	174	9.922	9.922	0.000	86	229475	50.0	48.0	
101 Bromobenzene	156	10.046	10.046	0.000	98	85043	20.0	20.8	
102 1,1,2,2-Tetrachloroethane	83	10.087	10.087	0.000	99	107461	20.0	22.8	
103 N-Propylbenzene	91	10.111	10.111	0.000	99	473885	20.0	22.5	
104 1,2,3-Trichloropropane	110	10.128	10.128	0.000	98	30403	20.0	21.4	
105 trans-1,4-Dichloro-2-butene	53	10.144	10.144	0.000	81	27500	20.0	23.2	
106 2-Chlorotoluene	91	10.202	10.202	0.000	97	318277	20.0	21.9	
107 4-Ethyltoluene	105	10.210	10.210	0.000	98	385312	20.0	22.2	
108 1,3,5-Trimethylbenzene	105	10.268	10.268	0.000	93	319040	20.0	21.8	
109 4-Chlorotoluene	91	10.300	10.300	0.000	98	307442	20.0	23.6	
110 Butyl Methacrylate	87	10.358	10.358	0.000	92	111410	20.0	20.9	
111 tert-Butylbenzene	119	10.506	10.506	0.000	95	243463	20.0	21.5	
112 1,2,4-Trimethylbenzene	105	10.555	10.555	0.000	97	337133	20.0	21.8	
113 sec-Butylbenzene	105	10.670	10.670	0.000	99	426382	20.0	22.3	
114 1,3-Dichlorobenzene	146	10.777	10.777	0.000	70	179016	20.0	21.4	
115 4-Isopropyltoluene	119	10.777	10.777	0.000	98	357718	20.0	21.8	
* 116 1,4-Dichlorobenzene-d4	152	10.826	10.826	0.000	96	311660	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.843	10.843	0.000	95	181381	20.0	21.1	
118 1,2,3-Trimethylbenzene	105	10.859	10.859	0.000	98	361065	20.0	21.9	
119 Benzyl chloride	91	10.941	10.941	0.000	98	219572	20.0	23.3	
120 2,3-Dihydroindene	117	10.991	10.991	0.000	95	350653	20.0	21.7	
121 p-Diethylbenzene	119	11.032	11.032	0.000	92	197681	20.0	21.7	
122 n-Butylbenzene	92	11.048	11.048	0.000	98	209552	20.0	22.3	
123 1,2-Dichlorobenzene	146	11.089	11.089	0.000	95	184993	20.0	21.6	
124 1,2,4,5-Tetramethylbenzene	119	11.517	11.508	0.009	97	356446	20.0	21.7	
125 1,2-Dibromo-3-Chloropropane	157	11.582	11.582	0.000	96	24291	20.0	21.0	
126 1,3,5-Trichlorobenzene	180	11.664	11.664	0.000	97	143496	20.0	21.2	
127 1,2,4-Trichlorobenzene	180	12.051	12.051	0.000	94	140759	20.0	21.6	
128 Hexachlorobutadiene	225	12.116	12.116	0.000	91	48620	20.0	20.9	
129 Naphthalene	128	12.215	12.207	0.008	99	404465	20.0	22.9	
130 1,2,3-Trichlorobenzene	180	12.371	12.363	0.008	95	135770	20.0	22.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	42.1	
S 132 Xylenes, Total	100				0		40.0	42.4	

### QC Flag Legend

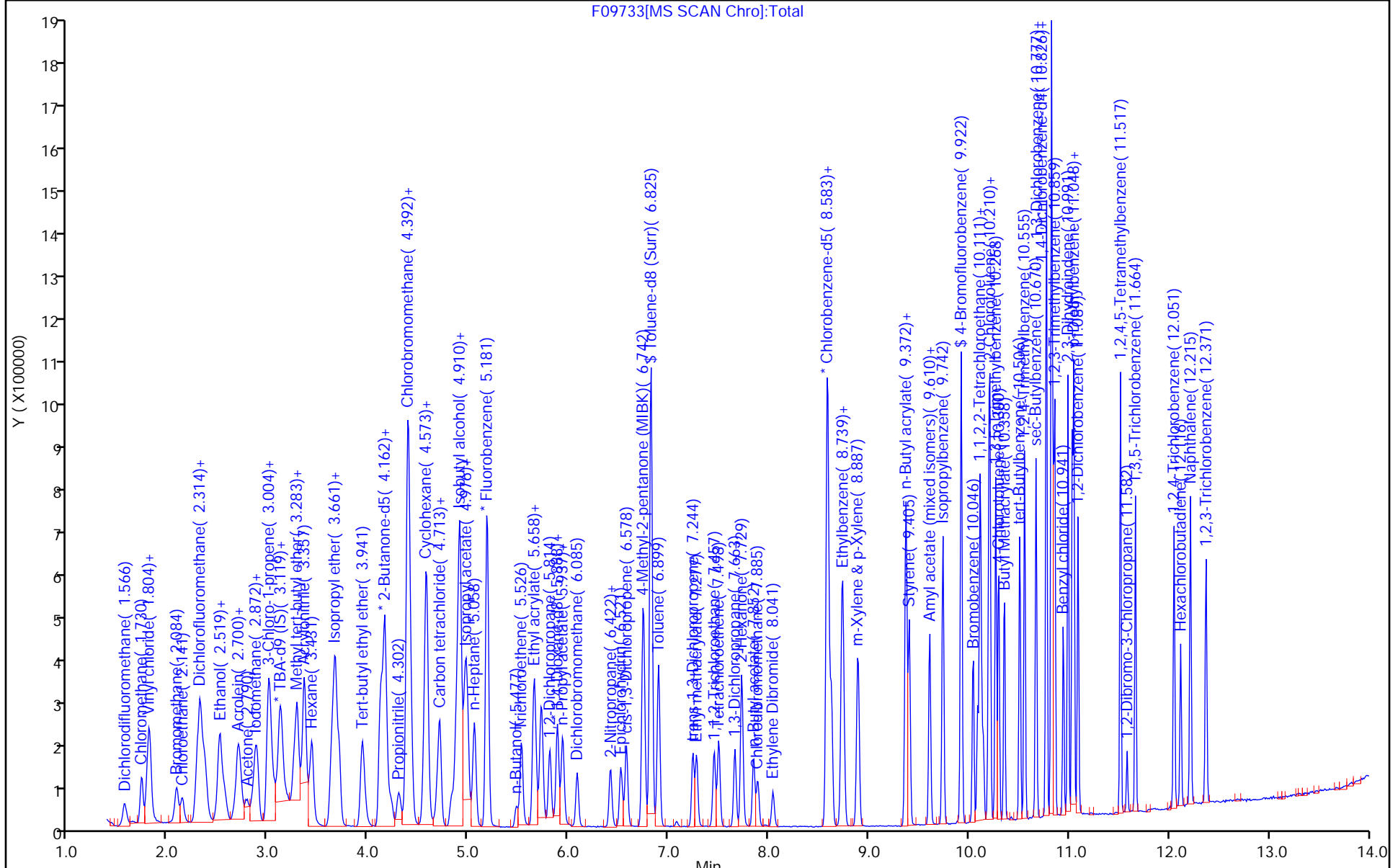
Processing Flags

Review Flags

a - User Assigned ID

**Reagents:**

GASES Li_00403	Amount Added: 20.00	Units: uL	
ACROLEIN W_00118	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00131	Amount Added: 20.00	Units: uL	
VOA6IS/SURR_00042	Amount Added: 5.00	Units: uL	Run Reagent





Eurofins TestAmerica, Edison

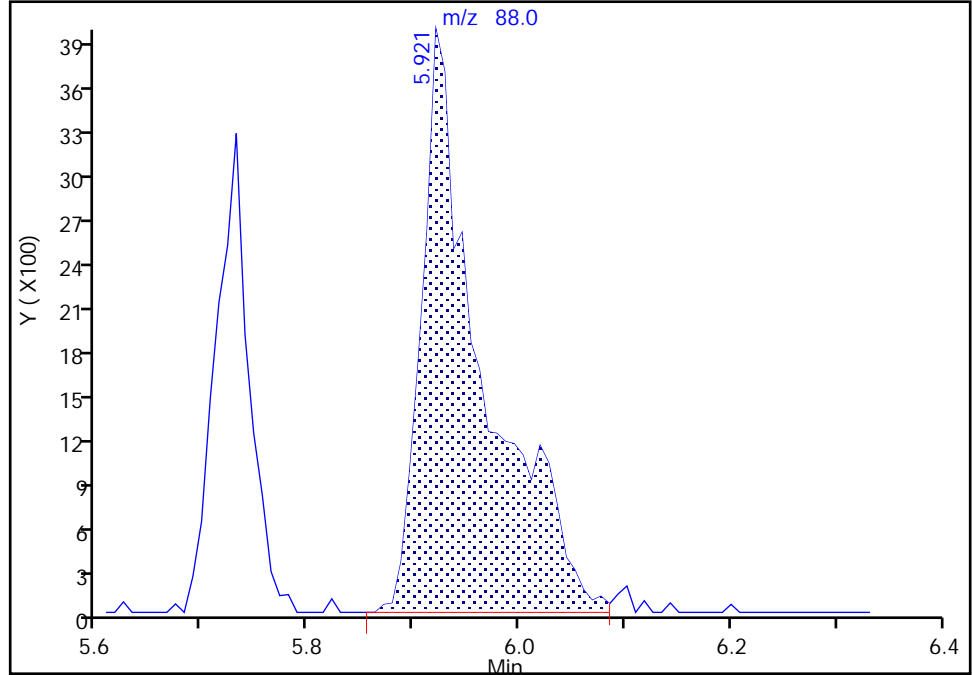
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20210119-123057.b\F09733.D  
Injection Date: 19-Jan-2021 19:13:30 Instrument ID: CVOAMS6  
Lims ID: LCSD  
Client ID:  
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5  
Purge Vol: 5.000 mL Dil. Factor: 1.0000  
Method: 8260624W6 Limit Group: VOA - 8260D Water and Solid  
Column: Rtx-624 ( 0.25 mm) Detector: MS SCAN

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

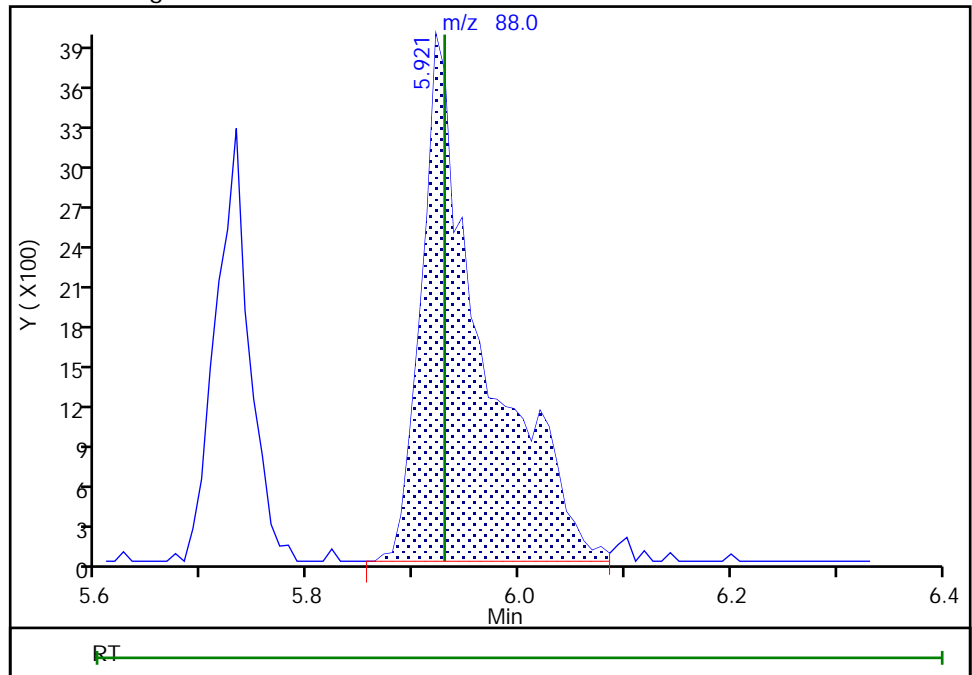
RT: 5.92  
Area: 16222  
Amount: 621.1535  
Amount Units: ug/l

Processing Integration Results



RT: 5.92  
Area: 16222  
Amount: 621.1535  
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 20-Jan-2021 07:44:48  
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 Start Date: 01/05/2021 15:20Analysis Batch Number: 751068 End Date: 01/05/2021 21:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-751068/1		01/05/2021 15:20	1	F09447.D	Rtx-624 0.25 (mm)
STD7 460-751068/3 IC		01/05/2021 16:09	1	F09449.D	Rtx-624 0.25 (mm)
STD1 460-751068/4 IC		01/05/2021 16:33	1	F09450.D	Rtx-624 0.25 (mm)
STD5 460-751068/6 IC		01/05/2021 17:22	1	F09452.D	Rtx-624 0.25 (mm)
STD20 460-751068/7 ICIS		01/05/2021 17:46	1	F09453.D	Rtx-624 0.25 (mm)
STD50 460-751068/8 IC		01/05/2021 18:11	1	F09454.D	Rtx-624 0.25 (mm)
STD200 460-751068/9 IC		01/05/2021 18:35	1	F09455.D	Rtx-624 0.25 (mm)
STD500 460-751068/10 IC		01/05/2021 18:59	1	F09456.D	Rtx-624 0.25 (mm)
ICV 460-751068/15		01/05/2021 21:01	1	F09461.D	Rtx-624 0.25 (mm)

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: CVOAMS6 Start Date: 01/19/2021 17:30Analysis Batch Number: 753821 End Date: 01/20/2021 02:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-753821/1		01/19/2021 17:30	1	F09729.D	Rtx-624 0.25 (mm)
CCVIS 460-753821/3		01/19/2021 18:24	1	F09731.D	Rtx-624 0.25 (mm)
LCS 460-753821/4		01/19/2021 18:48	1	F09732.D	Rtx-624 0.25 (mm)
LCSD 460-753821/5		01/19/2021 19:13	1	F09733.D	Rtx-624 0.25 (mm)
MB 460-753821/11		01/19/2021 21:40	1	F09739.D	Rtx-624 0.25 (mm)
ZZZZZ		01/19/2021 22:05	1		Rtx-624 0.25 (mm)
460-226624-2	ERM-MW-06D	01/19/2021 22:29	1	F09741.D	Rtx-624 0.25 (mm)
460-226624-3	ERM-MW-01D	01/19/2021 22:53	1	F09742.D	Rtx-624 0.25 (mm)
460-226624-1	ERM-MW-05D	01/19/2021 23:18	2	F09743.D	Rtx-624 0.25 (mm)
460-226624-4	MW-102D	01/19/2021 23:43	50	F09744.D	Rtx-624 0.25 (mm)
ZZZZZ		01/20/2021 01:18	1		Rtx-624 0.25 (mm)
ZZZZZ		01/20/2021 01:41	2		Rtx-624 0.25 (mm)
ZZZZZ		01/20/2021 02:30	2		Rtx-624 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 751068 Batch Start Date: 01/05/21 15:20 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	14DIOXINTER 00124	524freon 00031	8260 SP 00134	8260MIX1COMB 00130
BFB 460-751068/1		8260D		5 mL	5 mL				
STD7 460-751068/3 IC		8260D		5 mL	5 mL				
STD1 460-751068/4 IC		8260D		5 mL	5 mL	30 uL	10 uL		10 uL
STD5 460-751068/6 IC		8260D		5 mL	5 mL		10 uL		10 uL
STD20 460-751068/7 ICIS		8260D		5 mL	5 mL		20 uL		20 uL
STD50 460-751068/8 IC		8260D		5 mL	5 mL		50 uL		50 uL
STD200 460-751068/9 IC		8260D		5 mL	5 mL				
STD500 460-751068/10 IC		8260D		5 mL	5 mL				
ICV 460-751068/15		8260D		5 mL	5 mL			20 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	8FreonHi 00027	8FreonsSS 00027	ACROLEIN SP 00120	ACROLEIN W 00118	ACRY/EPIH MIX 00081	BFB 00028
BFB 460-751068/1		8260D							1 uL
STD7 460-751068/3 IC		8260D						20 uL	
STD1 460-751068/4 IC		8260D					4 uL		
STD5 460-751068/6 IC		8260D					4 uL		
STD20 460-751068/7 ICIS		8260D					4 uL		
STD50 460-751068/8 IC		8260D					10 uL		
STD200 460-751068/9 IC		8260D		20 uL			20 uL		
STD500 460-751068/10 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.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 751068 Batch Start Date: 01/05/21 15:20 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	8FreonHi 00027	8FreonsSS 00027	ACROLEIN SP 00120	ACROLEIN W 00118	ACRY/EPIH MIX 00081	BFB 00028
ICV 460-751068/15		8260D			20 uL	4 uL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	Ethanol mix 00047	GAS C SP 00390	GAS Hi 00378	GASES Li 00401	MIX 2 Hi 00106	MIX I Hi 00133
BFB 460-751068/1		8260D							
STD7 460-751068/3 IC		8260D					2.5 uL		
STD1 460-751068/4 IC		8260D					10 uL		
STD5 460-751068/6 IC		8260D					10 uL		
STD20 460-751068/7 ICIS		8260D					20 uL		
STD50 460-751068/8 IC		8260D					50 uL		
STD200 460-751068/9 IC		8260D		20 uL		20 uL		20 uL	20 uL
STD500 460-751068/10 IC		8260D		50 uL		50 uL		50 uL	50 uL
ICV 460-751068/15		8260D			20 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA6IS/SURR 00042					
BFB 460-751068/1		8260D							
STD7 460-751068/3 IC		8260D		5 uL					
STD1 460-751068/4 IC		8260D		5 uL					
STD5 460-751068/6 IC		8260D		5 uL					
STD20 460-751068/7 ICIS		8260D		5 uL					
STD50 460-751068/8 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.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 751068 Batch Start Date: 01/05/21 15:20 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA6IS/SURR 00042					
STD200 460-751068/9 IC		8260D		5 uL					
STD500 460-751068/10 IC		8260D		5 uL					
ICV 460-751068/15		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.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 753821 Batch Start Date: 01/19/21 17:30 Batch Analyst: Yallabandi, Gopichand X

Batch Method: 8260D Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260MIX1COMB 00131	ACROLEIN W 00118	BFB 00028
BFB 460-753821/1		8260D		5 mL	5 mL				1 uL
CCVIS 460-753821/3		8260D		5 mL	5 mL		20 uL	4 uL	
LCS 460-753821/4		8260D		5 mL	5 mL		20 uL	4 uL	
LCSD 460-753821/5		8260D		5 mL	5 mL		20 uL	4 uL	
MB 460-753821/11		8260D		5 mL	5 mL				
460-226624-D-2	ERM-MW-06D	8260D	T	5 mL	5 mL	<2 PH Units			
460-226624-C-3	ERM-MW-01D	8260D	T	5 mL	5 mL	<2 PH Units			
460-226624-C-1	ERM-MW-05D	8260D	T	5 mL	5 mL	<2 PH Units			
460-226624-C-4	MW-102D	8260D	T	5 mL	5 mL	<2 PH Units			

Lab Sample ID	Client Sample ID	Method Chain	Basis	GASES Li 00403	VOA6IS/SURR 00042				
BFB 460-753821/1		8260D							
CCVIS 460-753821/3		8260D		20 uL	5 uL				
LCS 460-753821/4		8260D		20 uL	5 uL				
LCSD 460-753821/5		8260D		20 uL	5 uL				
MB 460-753821/11		8260D			5 uL				
460-226624-D-2	ERM-MW-06D	8260D	T		5 uL				
460-226624-C-3	ERM-MW-01D	8260D	T		5 uL				
460-226624-C-1	ERM-MW-05D	8260D	T		5 uL				
460-226624-C-4	MW-102D	8260D	T		5 uL				

Batch Notes	

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.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 753821 Batch Start Date: 01/19/21 17:30 Batch Analyst: Yallabandi, Gopichand X

Batch Method: 8260D Batch End Date: \_\_\_\_\_

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.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water

Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DXE #
MW-102D	460-226624-4	46
	MB 460-753305/1-A	46

DXE = 1,4-Dioxane-d8

QC LIMITS  
10-150

# Column to be used to flag recovery values

FORM II 8270E SIM ID

FORM II  
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison

Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water

Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DXE #
	LCS 460-753305/2-A	50
	LCSD 460-753305/3-A	40

DXE = 1,4-Dioxane-d8

QC LIMITS  
10-200

# 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.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: h262702.d

Lab ID: LCS 460-753305/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.60	1.24	77	10-200	
1,4-Dioxane-d8	32.0	16.1	50	10-200	

# 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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: h262703.d  
 Lab ID: LCSD 460-753305/3-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,4-Dioxane	1.60	1.31	82	5	50	10-200	
1,4-Dioxane-d8	32.0	12.8	40			10-200	

# 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.: 460-226624-1  
SDG No.: \_\_\_\_\_  
Lab File ID: h262701.d Lab Sample ID: MB 460-753305/1-A  
Matrix: Water Date Extracted: 01/17/2021 08:46  
Instrument ID: CBNAMS9 Date Analyzed: 01/17/2021 16:35  
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-753305/2-A	h262702.d	01/17/2021 16:51
	LCSD 460-753305/3-A	h262703.d	01/17/2021 17:07
MW-102D	460-226624-4	h262721.d	01/17/2021 21:56

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: h260954.d DFTPP Injection Date: 11/03/2020  
 Instrument ID: CBNAMS9 DFTPP Injection Time: 08:50  
 Analysis Batch No.: 736984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	38.9
70	Less than 2.0 % of mass 69	0.3 (0.7) 1
197	Less than 1.0 % of mass 198	0.5
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	12.3 (80.4) 3
442	Greater than 40.0 % of mass 198	76.5
443	17.0 - 23.0 % of mass 442	15.3 (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 460-736984/2	h260955.d	11/03/2020	9:01
	STD9 460-736984/3	h260956.d	11/03/2020	9:17
	STD8 460-736984/4	h260957.d	11/03/2020	9:33
	STD7 460-736984/5	h260958.d	11/03/2020	9:49
	STD6 460-736984/6	h260959.d	11/03/2020	10:05
	STD4 460-736984/7	h260960.d	11/03/2020	10:21
	STD3 460-736984/8	h260961.d	11/03/2020	10:37
	STD2 460-736984/9	h260962.d	11/03/2020	10:53
	STD1 460-736984/10	h260963.d	11/03/2020	11:09
	ICV 460-736984/11	h260964.d	11/03/2020	11:25

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: ICIS 460-736984/2 Date Analyzed: 11/03/2020 09:01  
 Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)  
 Lab File ID (Standard): h260955.d Heated Purge: (Y/N) N  
 Calibration ID: 82658

	DCBd4		#	RT #	#	RT #
	AREA #	RT #				
INITIAL CALIBRATION MID-POINT	15716	5.71				
UPPER LIMIT	31432	6.21				
LOWER LIMIT	7858	5.21				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-736984/11		17646	5.71			

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  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-753359/2 Date Analyzed: 01/17/2021 16:06  
 Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)  
 Lab File ID (Standard): h262700.d Heated Purge: (Y/N) N  
 Calibration ID: 82658

	DCBd4		#	RT #	#	RT #
	AREA #	RT #				
12/24 HOUR STD	15073	5.62				
UPPER LIMIT	30146	6.12				
LOWER LIMIT	7537	5.12				
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-753305/1-A		19973	5.62			
LCS 460-753305/2-A		21437	5.62			
LCSD 460-753305/3-A		20817	5.62			
460-226624-4	MW-102D	20747	5.62			

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 I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: MW-102D Lab Sample ID: 460-226624-4  
 Matrix: Water Lab File ID: h262721.d  
 Analysis Method: 8270E SIM ID Date Collected: 01/13/2021 12:26  
 Extract. Method: 3510C Date Extracted: 01/17/2021 08:46  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/17/2021 21:56  
 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.: 753359 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	46		10-150

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262721.d  
 Lims ID: 460-226624-E-4-A  
 Client ID: MW-102D  
 Sample Type: Client  
 Inject. Date: 17-Jan-2021 21:56:30 ALS Bottle#: 23 Worklist Smp#: 23  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0122958-023  
 Operator ID: Instrument ID: CBNAMS9  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 18-Jan-2021 08:46:33 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1662

First Level Reviewer: zhaoc Date: 18-Jan-2021 08:43:36

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	2.004	1.996	0.008	5	34020	1.84	46.0	
* 4 1,4-Dichlorobenzene-d4	150	5.616	5.616	0.000	1	20747	0.2000		

QC Flag Legend

Processing Flags

Reagents:

SM\_iso\_d4istd\_00007 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262721.d

Injection Date: 17-Jan-2021 21:56:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: 460-226624-E-4-A

Lab Sample ID: 460-226624-4

Worklist Smp#: 23

Client ID: MW-102D

Injection Vol: 5.0 ul

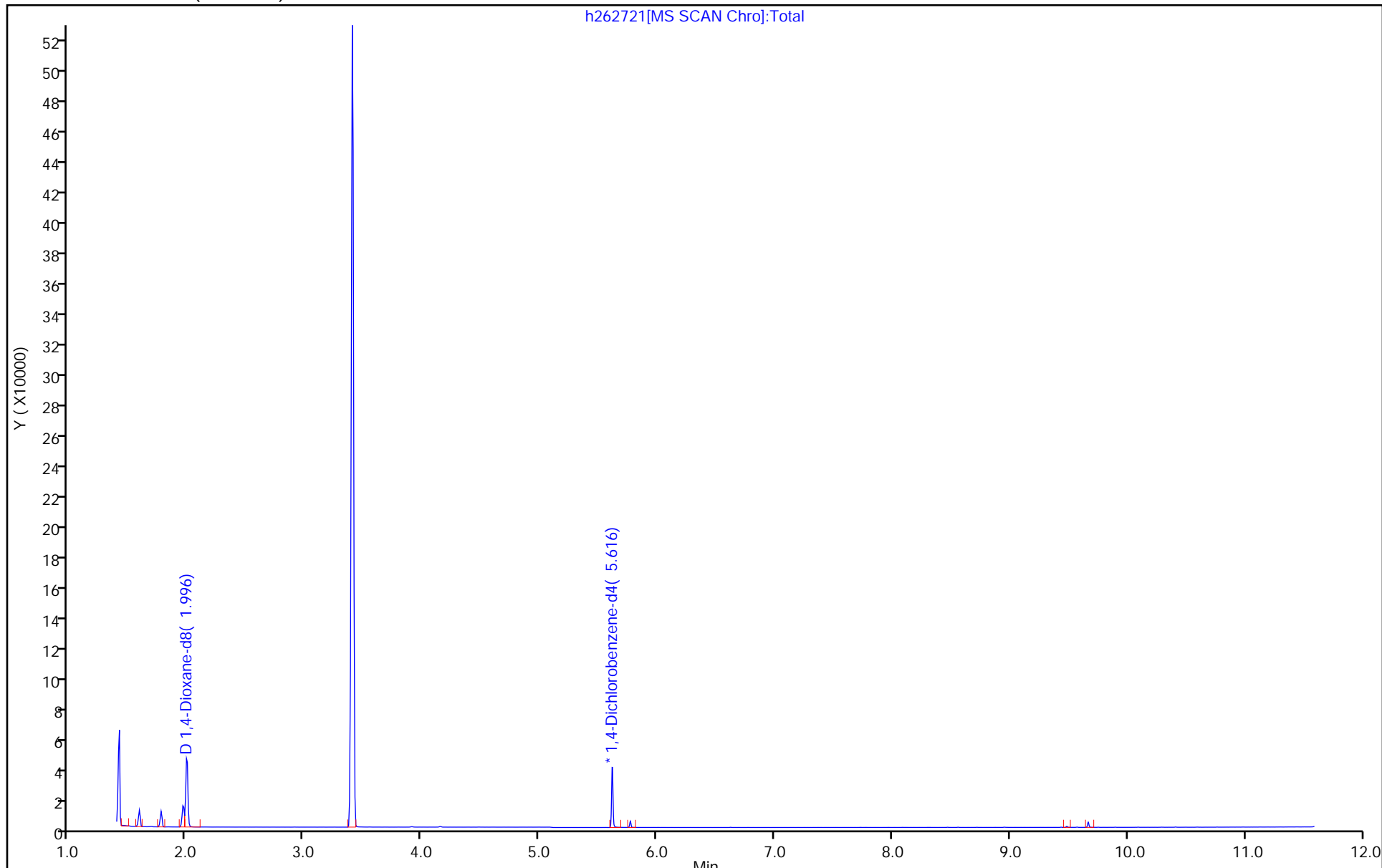
Dil. Factor: 1.0000

ALS Bottle#: 23

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\20210117-122958.b\h262721.d

Injection Date: 17-Jan-2021 21:56:30

Instrument ID: CBNAMS9

Lims ID: 460-226624-E-4-A

Lab Sample ID: 460-226624-4

Client ID: MW-102D

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 5.0 ul

Dil. Factor: 1.0000

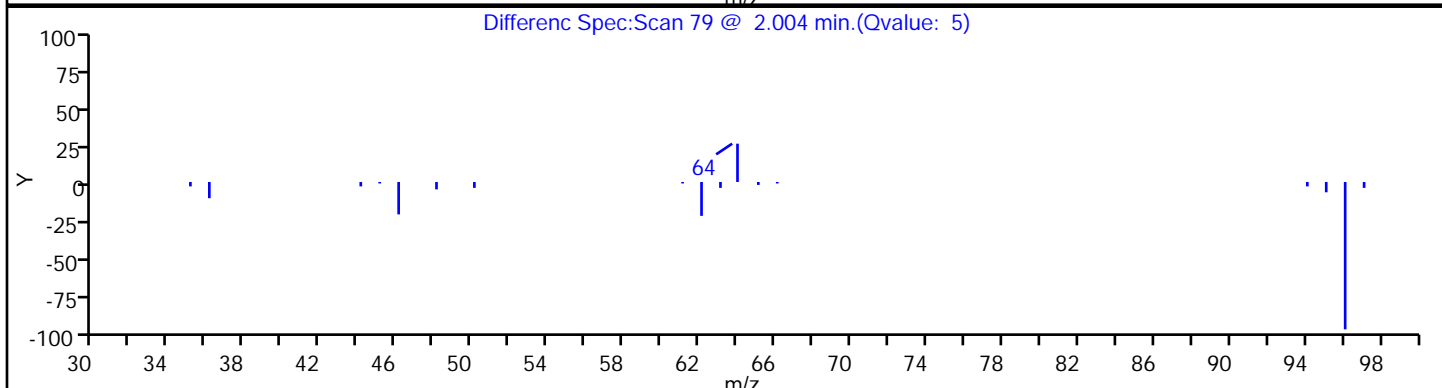
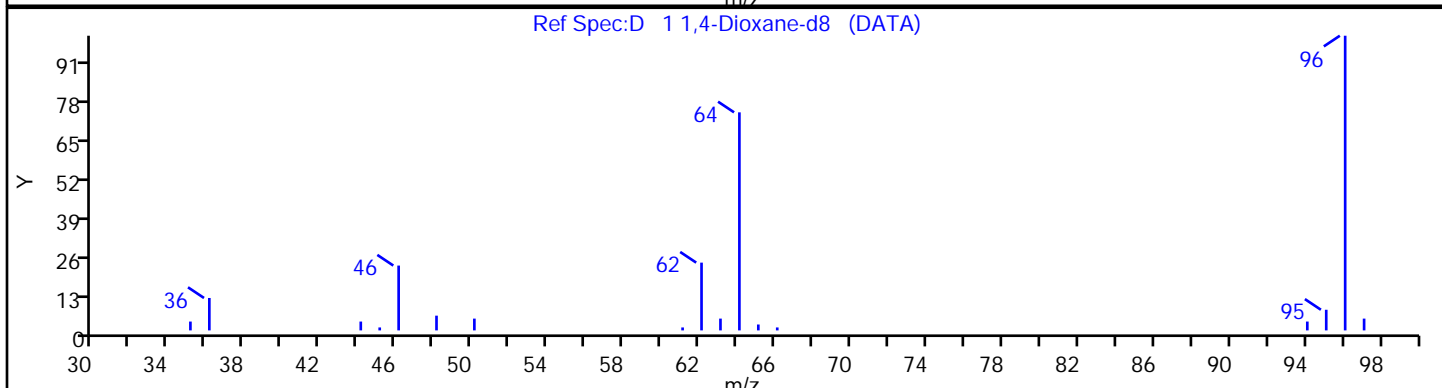
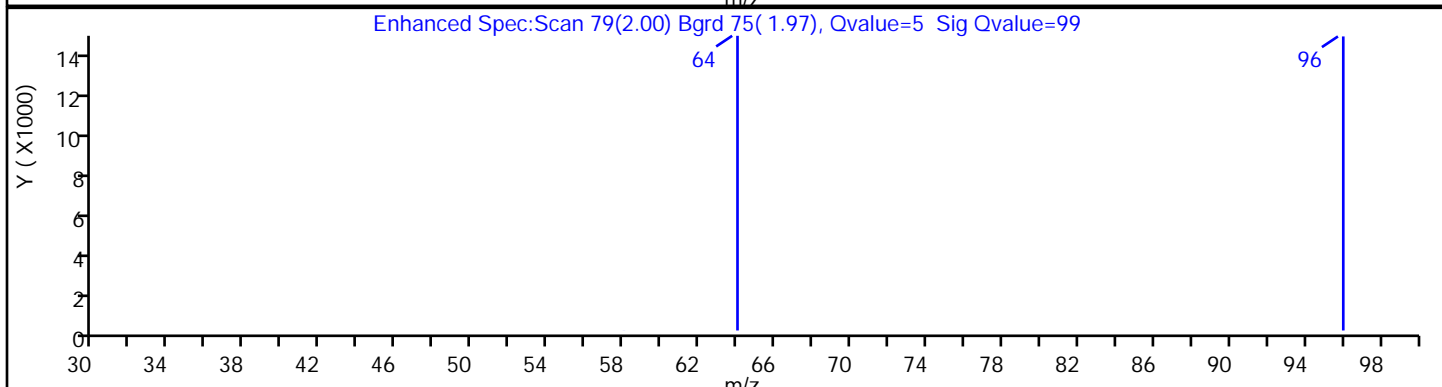
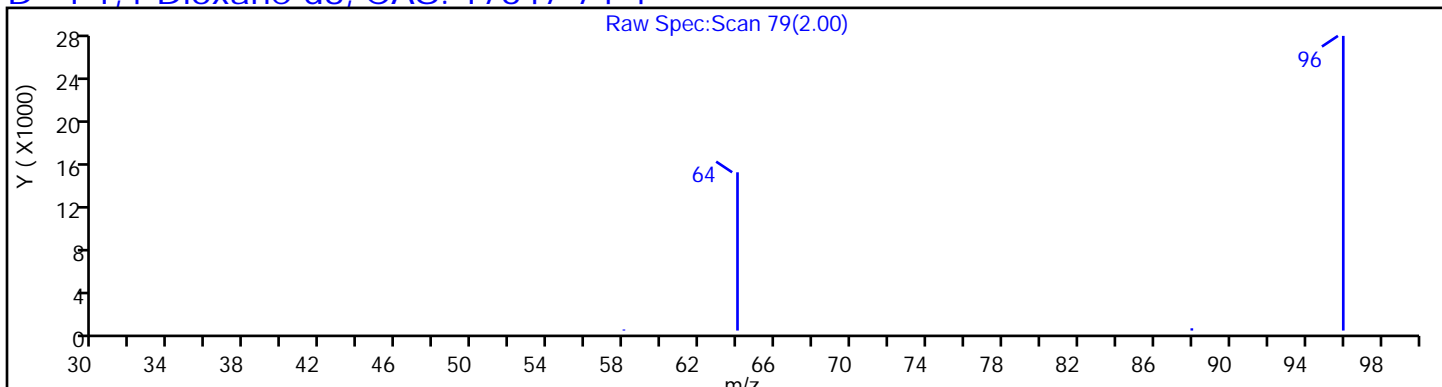
Method: 8270\_Iso

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



FORM VI  
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1 Analy Batch No.: 736984

SDG No.: \_\_\_\_\_

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2020 09:01 Calibration End Date: 11/03/2020 11:09 Calibration ID: 82658

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-736984/10	h260963.d
Level 2	STD2 460-736984/9	h260962.d
Level 3	STD3 460-736984/8	h260961.d
Level 4	STD4 460-736984/7	h260960.d
Level 5	ICIS 460-736984/2	h260955.d
Level 6	STD6 460-736984/6	h260959.d
Level 7	STD7 460-736984/5	h260958.d
Level 8	STD8 460-736984/4	h260957.d
Level 9	STD9 460-736984/3	h260956.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
1,4-Dioxane	1.2638 1.2129	1.2366 1.2498	1.3261 1.2084	1.2426 1.2607	1.3618	AveID	1.2625				4.0		50.0				
1,4-Dioxane-d8	0.1833 0.1824	0.1827 0.1842	0.1768 0.1798	0.1833 0.1615	0.1697	Ave	0.1782				4.4		50.0				

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.: 460-226624-1 Analy Batch No.: 736984

SDG No.: \_\_\_\_\_

Instrument ID: CBNAM9 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2020 09:01 Calibration End Date: 11/03/2020 11:09 Calibration ID: 82658

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-736984/10	h260963.d
Level 2	STD2 460-736984/9	h260962.d
Level 3	STD3 460-736984/8	h260961.d
Level 4	STD4 460-736984/7	h260960.d
Level 5	ICIS 460-736984/2	h260955.d
Level 6	STD6 460-736984/6	h260959.d
Level 7	STD7 460-736984/5	h260958.d
Level 8	STD8 460-736984/4	h260957.d
Level 9	STD9 460-736984/3	h260956.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9		LVL 6	LVL 7	LVL 8	LVL 9	
1,4-Dioxane		AveID	347	696	1855	3663	9080	0.0200	0.0400	0.100	0.200	0.500
			16873	34852	182323	1536864		1.00	2.00	10.0	100	
1,4-Dioxane-d8	DCBd4	Ave	54915	56285	55955	58957	53340	4.00	4.00	4.00	4.00	4.00
			55643	55772	60352	48762		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\20201103-119507.b\h260955.d  
 Lims ID: icis  
 Client ID:  
 Sample Type: ICIS Calib Level: 5  
 Inject. Date: 03-Nov-2020 09:01:30 ALS Bottle#: 2 Worklist Smp#: 2  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-002  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:13 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 09:42:43

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	2.119	2.119	0.000	9	53340	4.00	3.81	
2 1,4-Dioxane	88	2.150	2.150	0.000	20	9080	0.5000	0.5393	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	15716	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL5\_00007 Amount Added: 1.00 Units: mL



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260955.d

Injection Date: 03-Nov-2020 09:01:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: icis

Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul

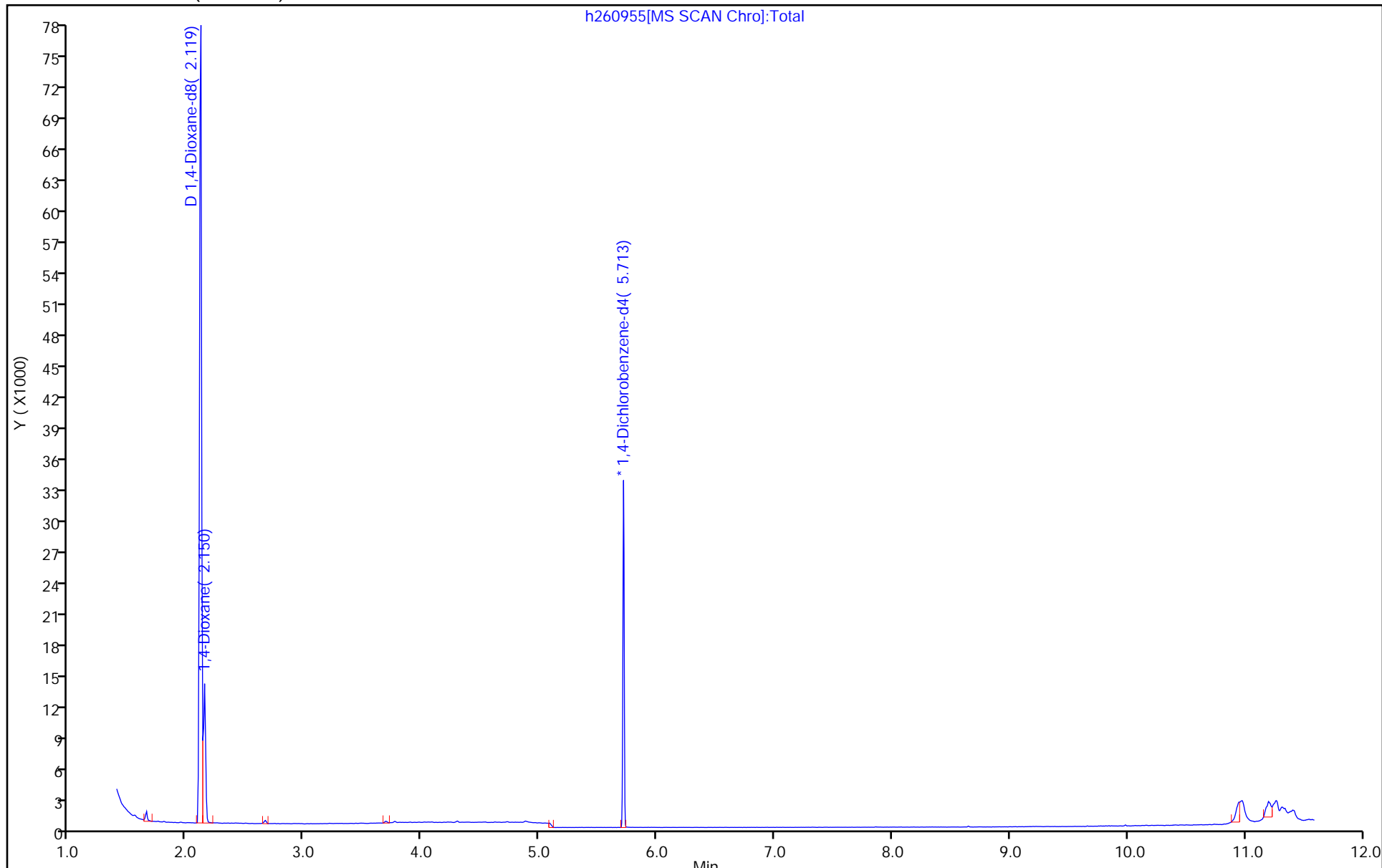
Dil. Factor: 1.0000

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\20201103-119507.b\h260956.d  
 Lims ID: STD9  
 Client ID:  
 Sample Type: IC Calib Level: 9  
 Inject. Date: 03-Nov-2020 09:17:30 ALS Bottle#: 3 Worklist Smp#: 3  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-003  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:14 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 09:42:52

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	2.111	2.119	-0.008	1	48762	4.00	3.62	
2 1,4-Dioxane	88	2.134	2.150	-0.016	21	1536864	100.0	99.9	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	15099	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL9\_00001 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260956.d

Injection Date: 03-Nov-2020 09:17:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD9

Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul

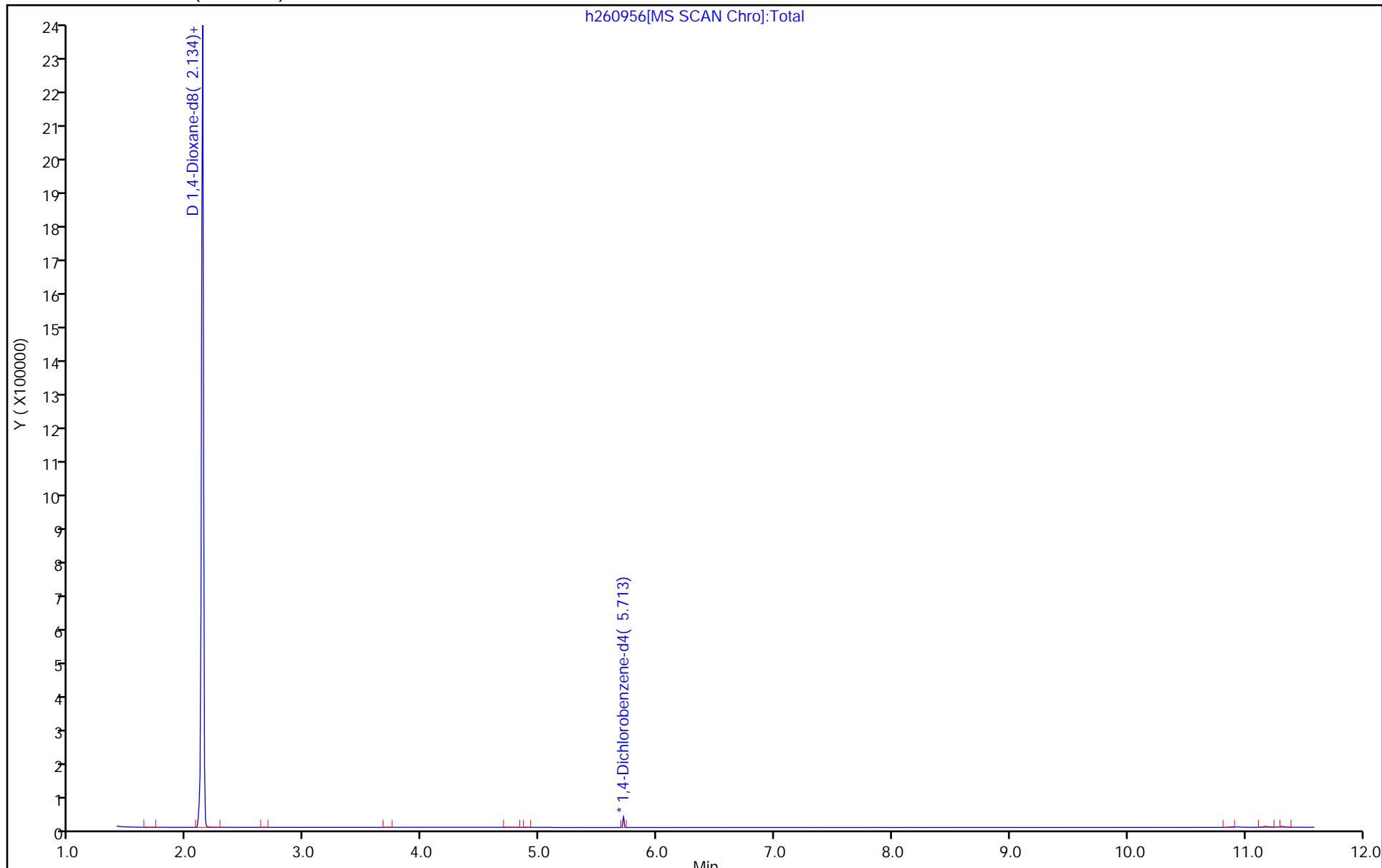
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270\_Iso

Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS ( 0.25 mm)



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260957.d  
 Lims ID: STD8  
 Client ID:  
 Sample Type: IC Calib Level: 8  
 Inject. Date: 03-Nov-2020 09:33:30 ALS Bottle#: 4 Worklist Smp#: 4  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-004  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:15 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 10:05:27

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	2.119	2.119	0.000	12	60352	4.00	4.04	
2 1,4-Dioxane	88	2.150	2.150	0.000	17	182323	10.0	9.57	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	16786	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL8\_00006 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260957.d

Injection Date: 03-Nov-2020 09:33:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD8

Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul

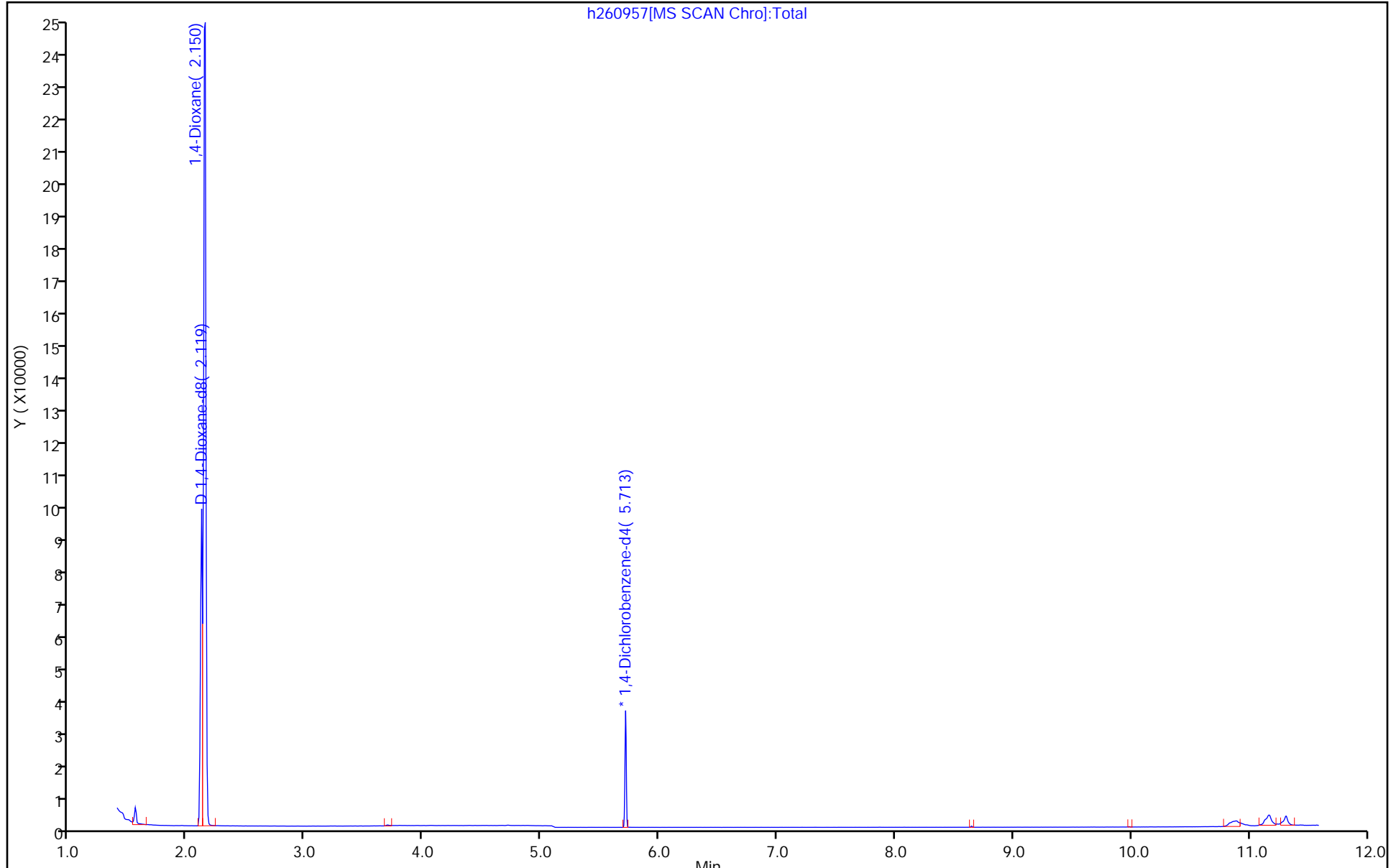
Dil. Factor: 1.0000

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\20201103-119507.b\h260958.d  
 Lims ID: STD7  
 Client ID:  
 Sample Type: IC Calib Level: 7  
 Inject. Date: 03-Nov-2020 09:49:30 ALS Bottle#: 5 Worklist Smp#: 5  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-005  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:15 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 10:29:26

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	2.119	2.119	0.000	9	55772	4.00	4.14	
2 1,4-Dioxane	88	2.150	2.150	0.000	20	34852	2.00	1.98	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	15136	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL7\_00006 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260958.d

Injection Date: 03-Nov-2020 09:49:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD7

Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul

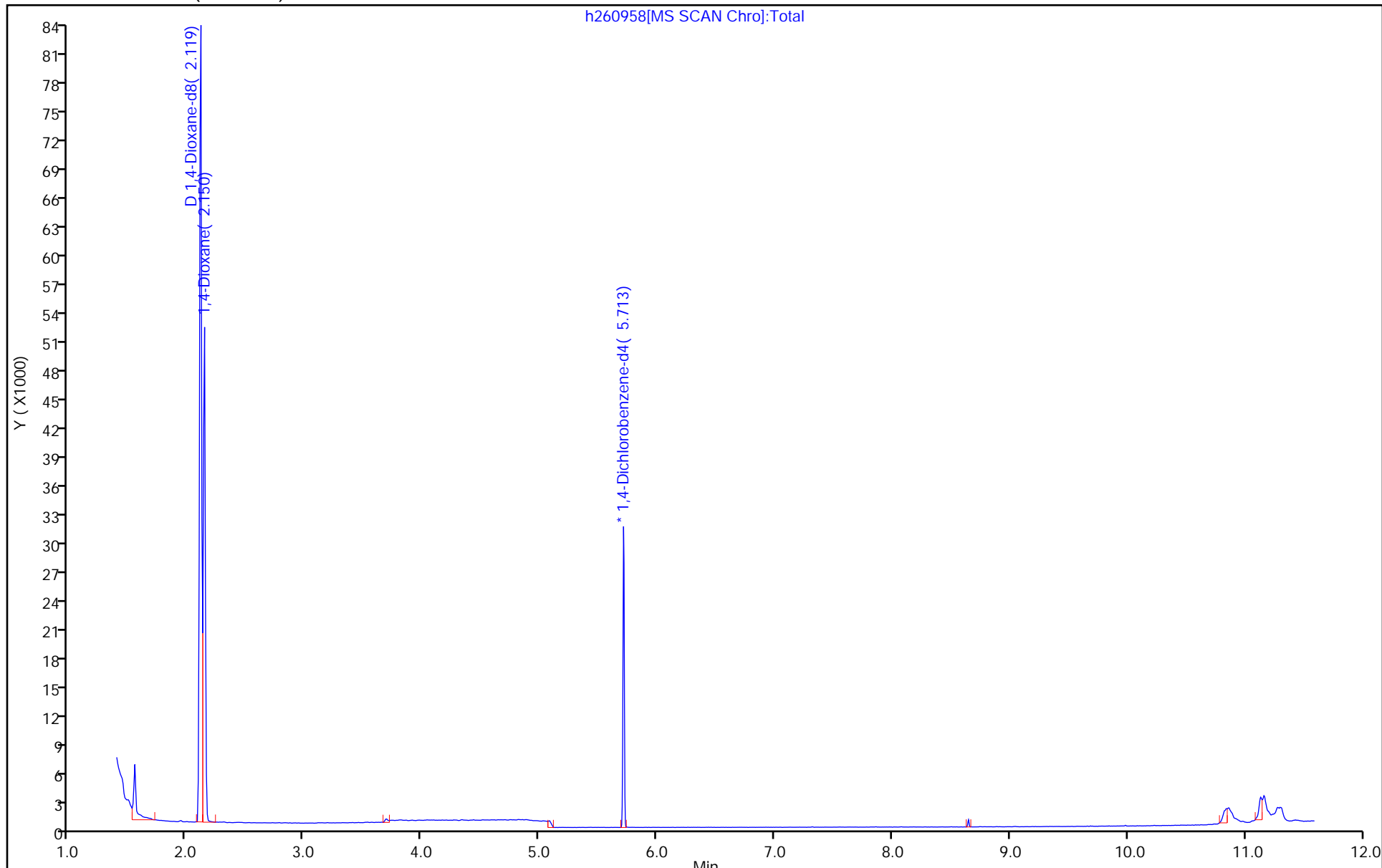
Dil. Factor: 1.0000

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\20201103-119507.b\h260959.d  
 Lims ID: STD6  
 Client ID:  
 Sample Type: IC Calib Level: 6  
 Inject. Date: 03-Nov-2020 10:05:30 ALS Bottle#: 6 Worklist Smp#: 6  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-006  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:15 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 10:29:35

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	2.119	2.119	0.000	13	55643	4.00	4.10	
2 1,4-Dioxane	88	2.150	2.150	0.000	18	16873	1.00	0.9607	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	15250	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL6\_00007 Amount Added: 1.00 Units: mL



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260959.d

Injection Date: 03-Nov-2020 10:05:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD6

Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul

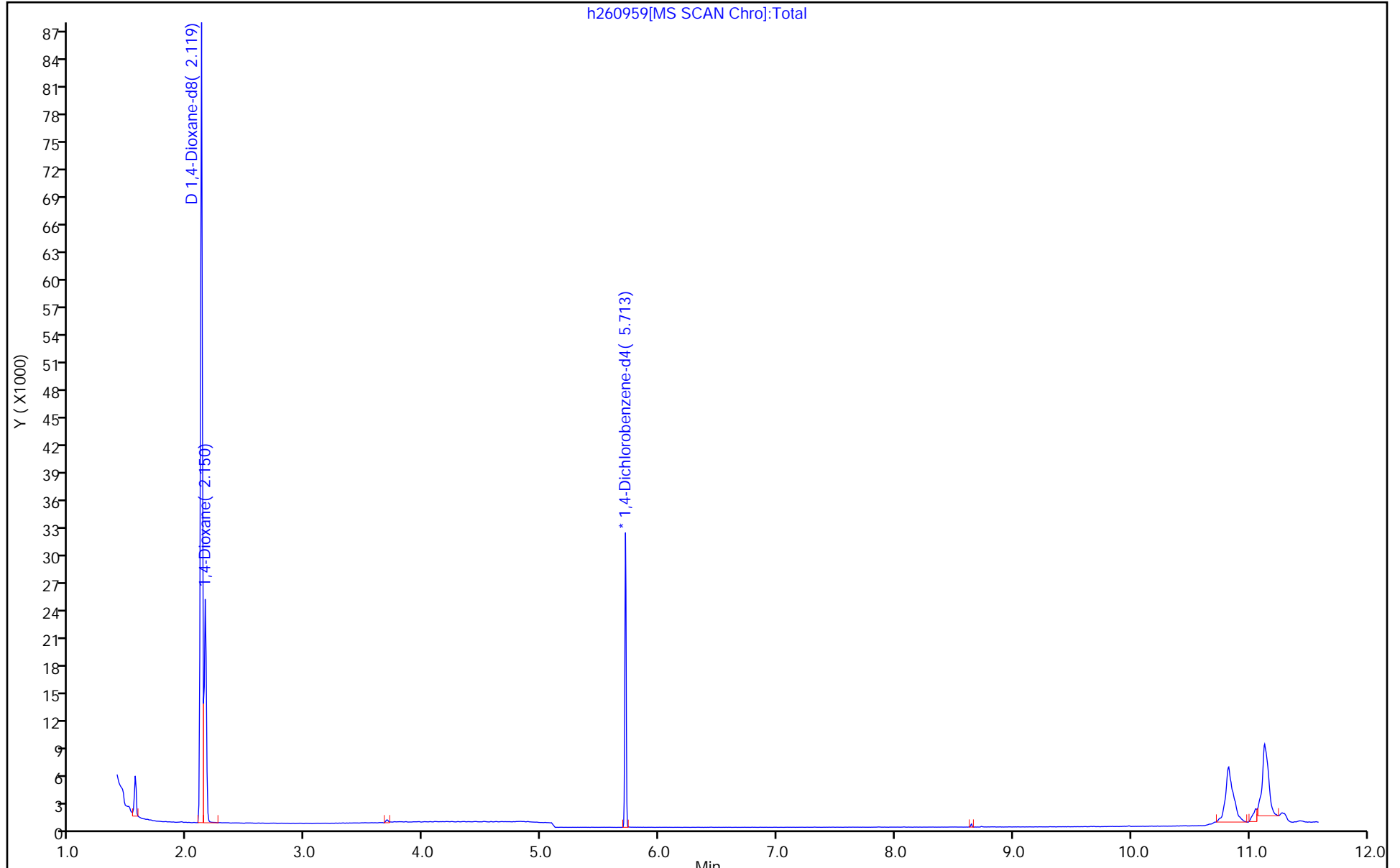
Dil. Factor: 1.0000

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\20201103-119507.b\h260960.d  
 Lims ID: STD4  
 Client ID:  
 Sample Type: IC Calib Level: 4  
 Inject. Date: 03-Nov-2020 10:21:30 ALS Bottle#: 7 Worklist Smp#: 7  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-007  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:16 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 11:15:45

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	2.119	2.119	0.000	8	58957	4.00	4.11	
2 1,4-Dioxane	88	2.158	2.150	0.008	20	3663	0.2000	0.1968	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	16083	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL4\_00006 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260960.d

Injection Date: 03-Nov-2020 10:21:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD4

Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul

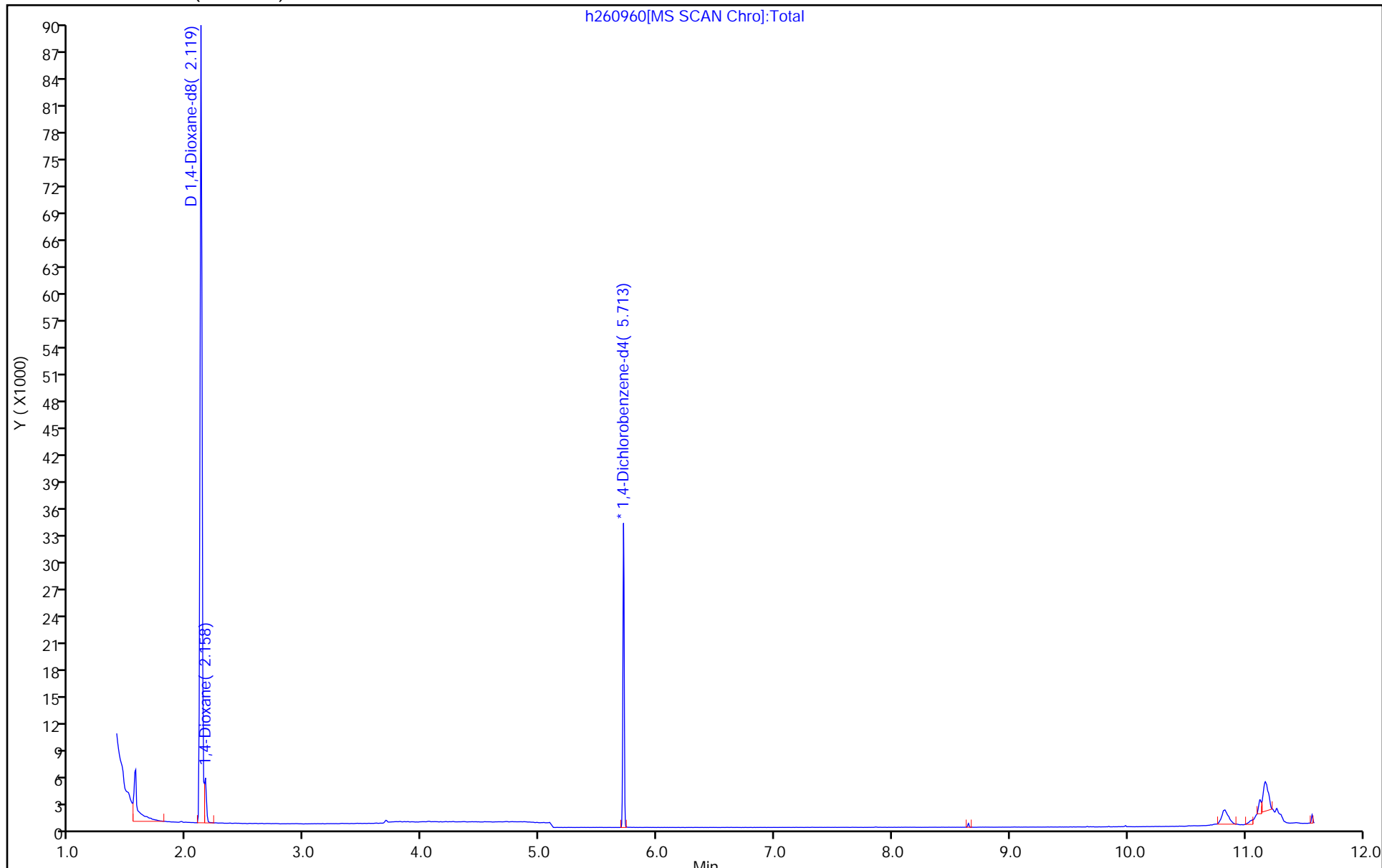
Dil. Factor: 1.0000

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\20201103-119507.b\h260961.d  
 Lims ID: STD3  
 Client ID:  
 Sample Type: IC Calib Level: 3  
 Inject. Date: 03-Nov-2020 10:37:30 ALS Bottle#: 8 Worklist Smp#: 8  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-008  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:16 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 11:15:50

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	2.119	2.119	0.000	10	55955	4.00	3.97	
2 1,4-Dioxane	88	2.158	2.158	0.000	14	1855	0.1000	0.1050	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	15822	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL3\_00006 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260961.d

Injection Date: 03-Nov-2020 10:37:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD3

Worklist Smp#: 8

Client ID:

Injection Vol: 5.0 ul

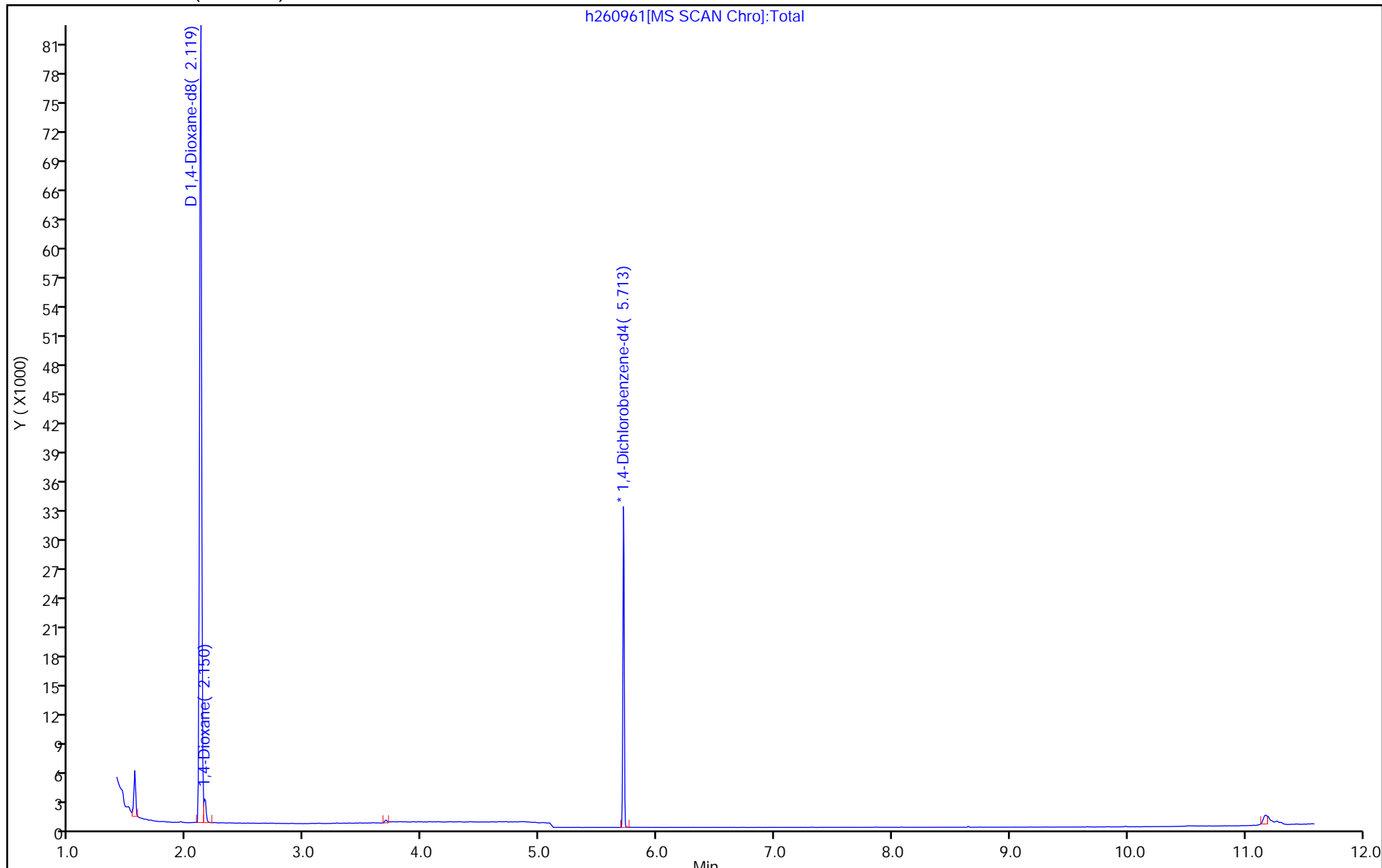
Dil. Factor: 1.0000

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\20201103-119507.b\h260962.d  
 Lims ID: STD2  
 Client ID:  
 Sample Type: IC Calib Level: 2  
 Inject. Date: 03-Nov-2020 10:53:30 ALS Bottle#: 9 Worklist Smp#: 9  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-009  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:16 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: nimerd

Date: 03-Nov-2020 11:12:07

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	2.119	2.119	0.000	10	56285	4.00	4.10	
2 1,4-Dioxane	88	2.158	2.158	0.000	19	696	0.0400	0.0392	M
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	15406	0.2000	0.2000	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

SM\_ISOTOPL2\_00006

Amount Added: 1.00

Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260962.d

Injection Date: 03-Nov-2020 10:53:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD2

Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul

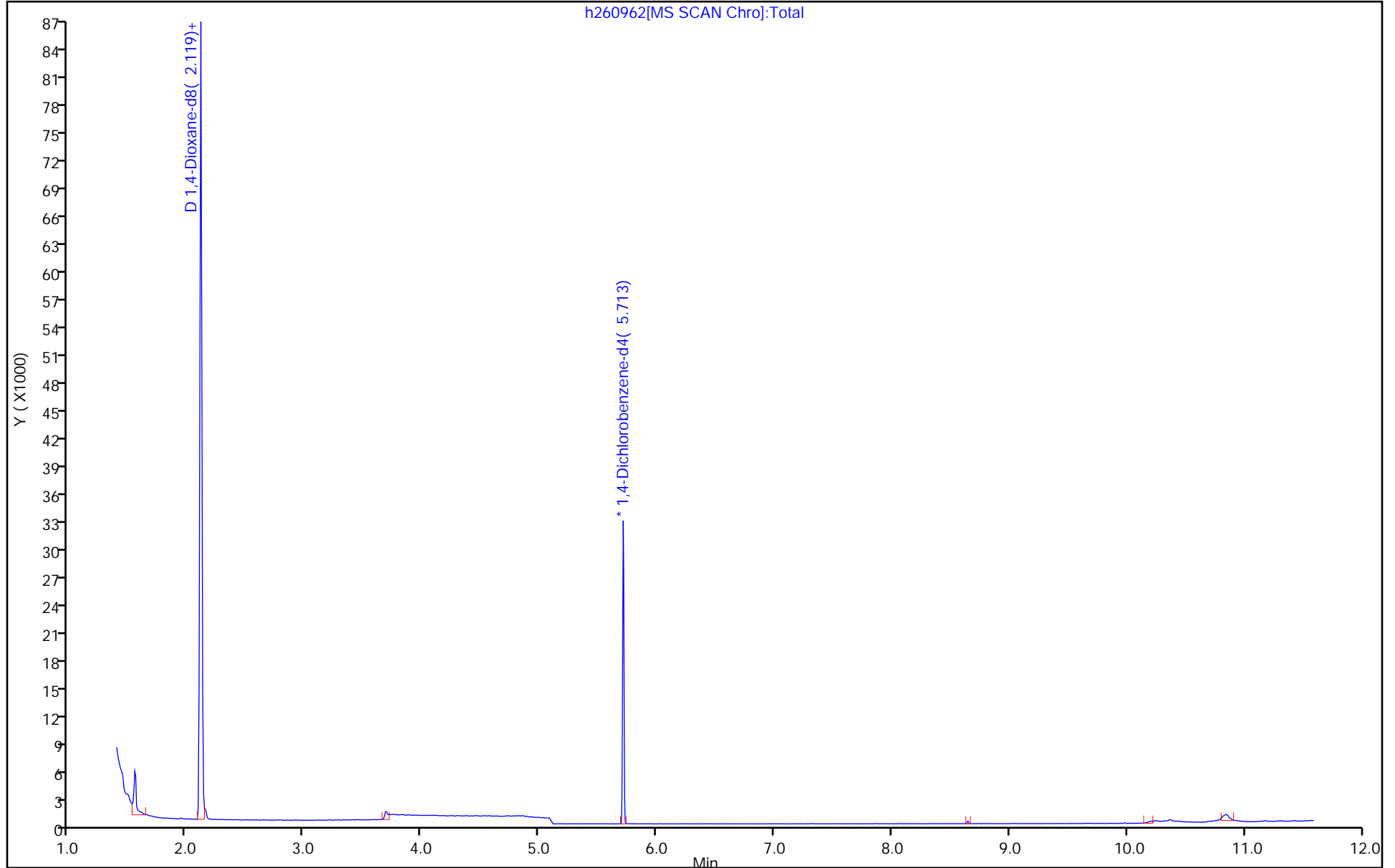
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270\_Iso

Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS ( 0.25 mm)



Eurofins TestAmerica, Edison

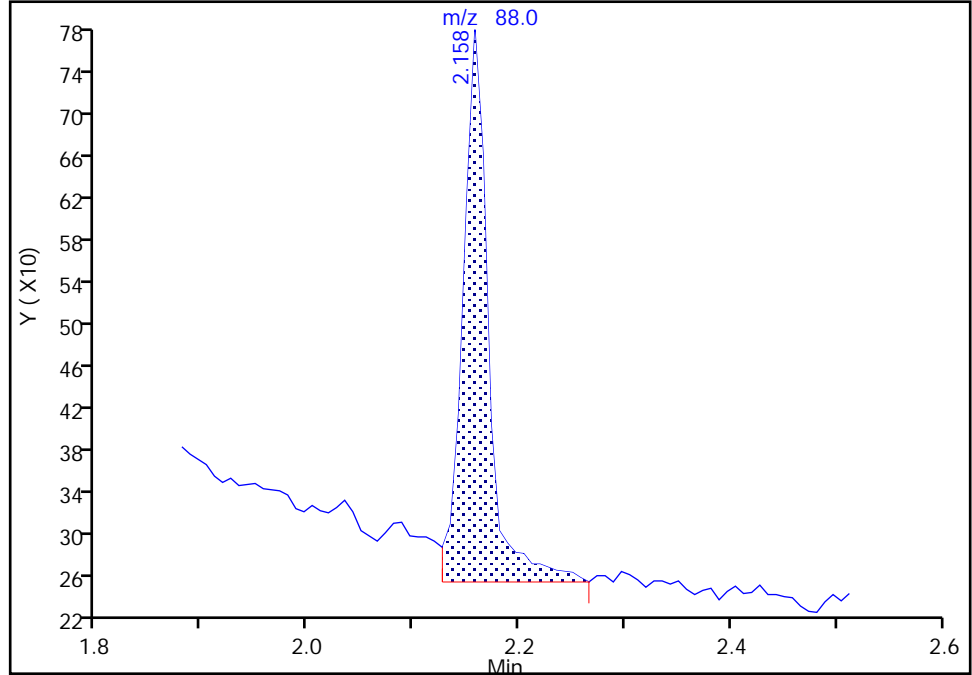
Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260962.d  
Injection Date: 03-Nov-2020 10:53:30 Instrument ID: CBNAMS9  
Lims ID: STD2  
Client ID:  
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 5.0 ul Dil. Factor: 1.0000  
Method: 8270\_Iso Limit Group: MSS 8270 Isotope Dilution IS  
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

2 1,4-Dioxane, CAS: 123-91-1

Signal: 1

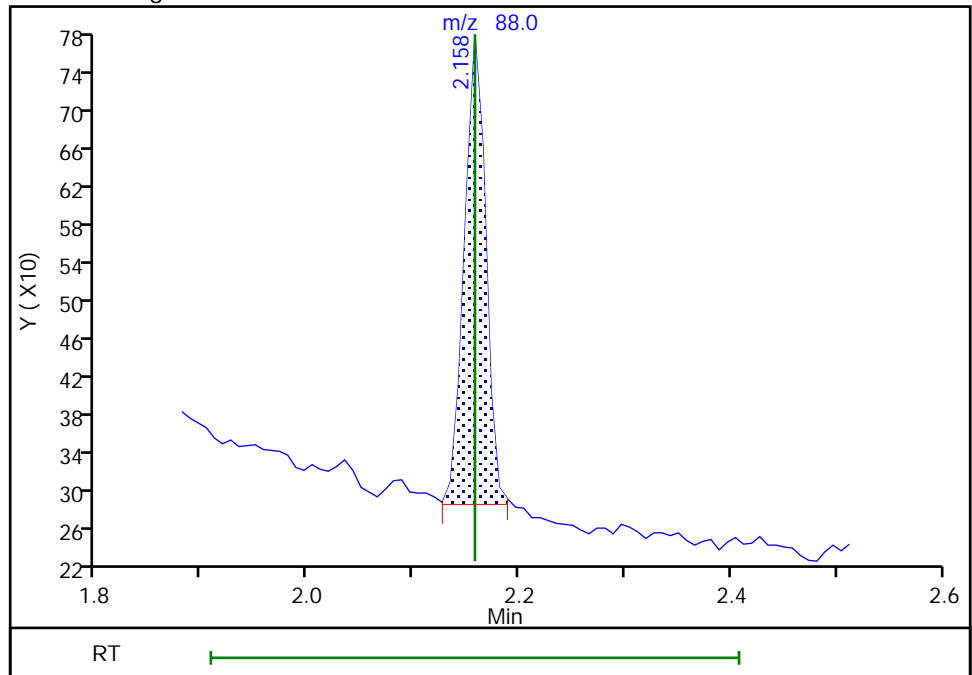
RT: 2.16  
Area: 888  
Amount: 0.048358  
Amount Units: ug/ml

Processing Integration Results



RT: 2.16  
Area: 696  
Amount: 0.039178  
Amount Units: ug/ml

Manual Integration Results



Reviewer: nimerd, 03-Nov-2020 11:11:44  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Lims ID: STD1  
 Client ID:  
 Sample Type: IC Calib Level: 1  
 Inject. Date: 03-Nov-2020 11:09:30 ALS Bottle#: 10 Worklist Smp#: 10  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-010  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 11:58:17 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 11:56:25

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	2.119	2.119	0.000	9	54915	4.00	4.11	
2 1,4-Dioxane	88	2.158	2.158	0.000	21	347	0.0200	0.0200	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	14981	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL1\_00007 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d

Injection Date: 03-Nov-2020 11:09:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: STD1

Worklist Smp#: 10

Client ID:

Injection Vol: 5.0 ul

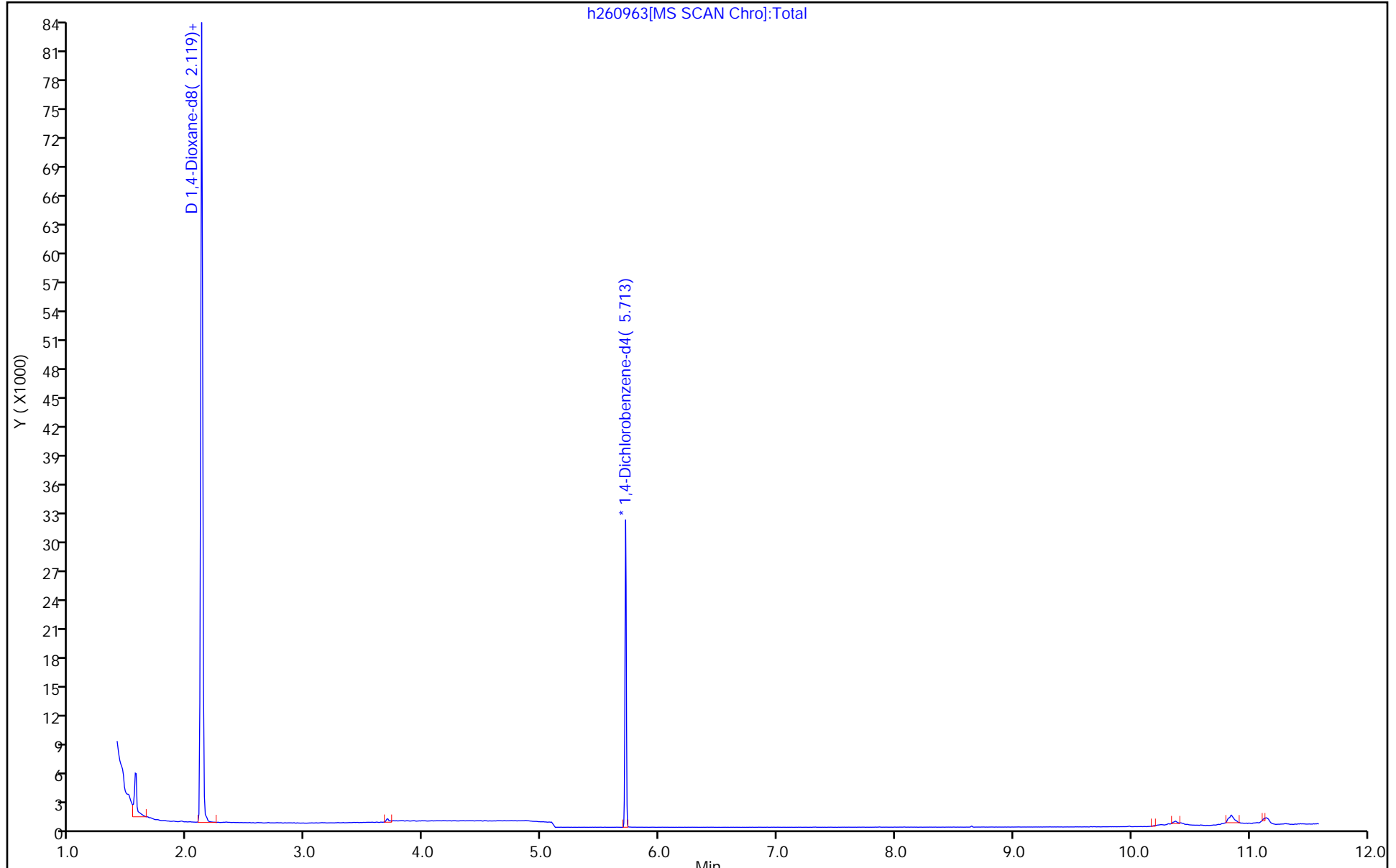
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270\_Iso

Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS ( 0.25 mm)



Calibration

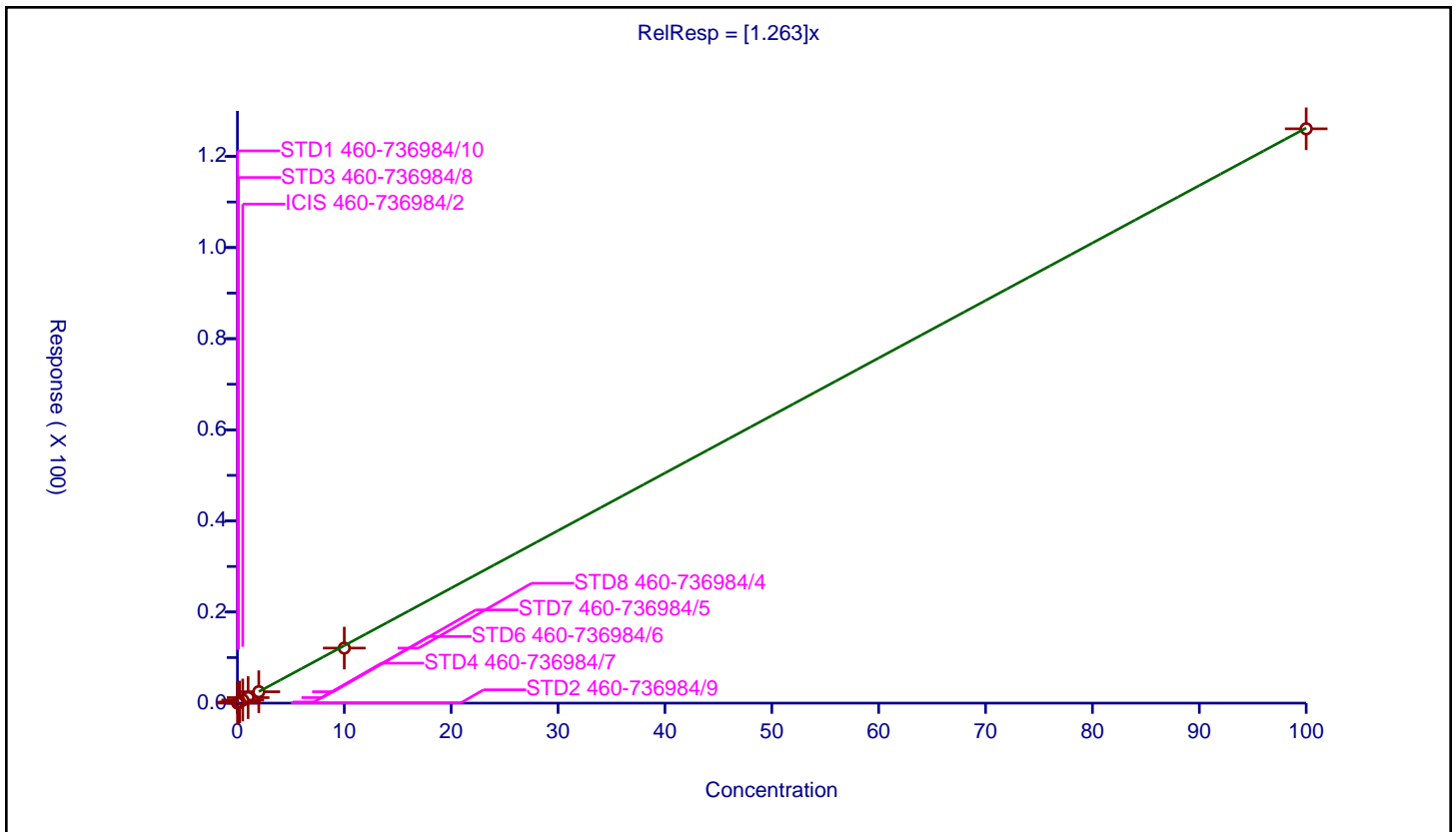
/ 1,4-Dioxane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.263

Error Coefficients	
Standard Error:	547000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-736984/10	0.02	0.025275	4.0	54915.0	1.263771	Y
2	STD2 460-736984/9	0.04	0.049463	4.0	56285.0	1.236564	Y
3	STD3 460-736984/8	0.1	0.132607	4.0	55955.0	1.326066	Y
4	STD4 460-736984/7	0.2	0.24852	4.0	58957.0	1.242601	Y
5	ICIS 460-736984/2	0.5	0.680915	4.0	53340.0	1.36183	Y
6	STD6 460-736984/6	1.0	1.212947	4.0	55643.0	1.212947	Y
7	STD7 460-736984/5	2.0	2.499606	4.0	55772.0	1.249803	Y
8	STD8 460-736984/4	10.0	12.083974	4.0	60352.0	1.208397	Y
9	STD9 460-736984/3	100.0	126.070629	4.0	48762.0	1.260706	Y



FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 460-736984/11 Calibration Date: 11/03/2020 11:25  
 Instrument ID: CBNAMS9 Calib Start Date: 11/03/2020 09:01  
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 11/03/2020 11:09  
 Lab File ID: h260964.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	AveID	1.263	1.097		174	200	-13.1	50.0
1,4-Dioxane-d8	Ave	0.1782	0.1900		4270	4000	6.7	50.0

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260964.d  
 Lims ID: icv  
 Client ID:  
 Sample Type: ICV  
 Inject. Date: 03-Nov-2020 11:25:30 ALS Bottle#: 11 Worklist Smp#: 11  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-011  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 12:03:21 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 12:03:51

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	2.119	2.119	0.000	6	67068	4.00	4.27	
2 1,4-Dioxane	88	2.150	2.158	-0.008	19	3680	0.2000	0.1738	
* 4 1,4-Dichlorobenzene-d4	150	5.713	5.713	0.000	1	17646	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_SIMICV\_LVI\_00031 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260964.d

Injection Date: 03-Nov-2020 11:25:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: icv

Worklist Smp#: 11

Client ID:

Injection Vol: 5.0 ul

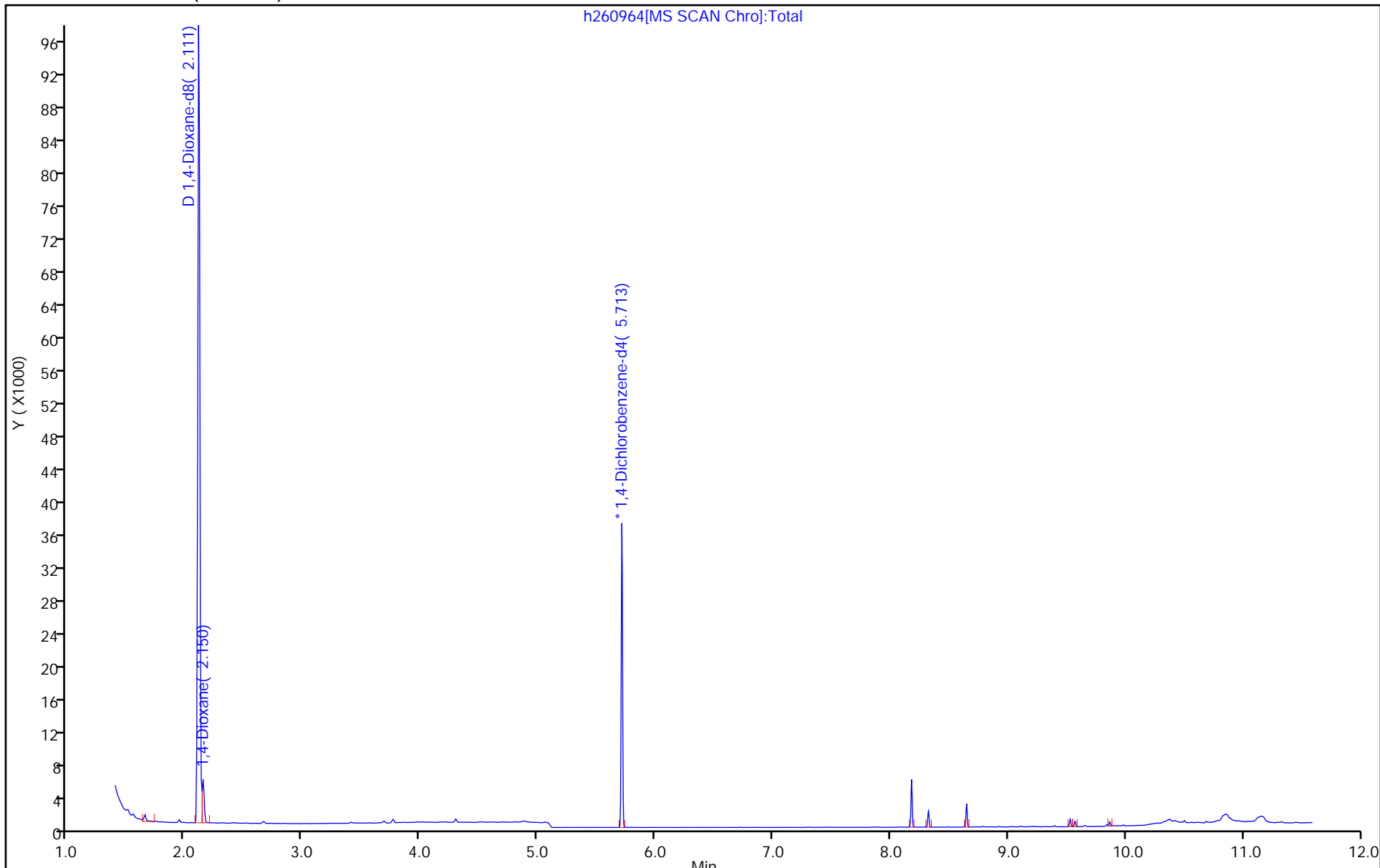
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270\_Iso

Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS ( 0.25 mm)



FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 460-753359/2 Calibration Date: 01/17/2021 16:06  
 Instrument ID: CBNAMS9 Calib Start Date: 11/03/2020 09:01  
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 11/03/2020 11:09  
 Lab File ID: h262700.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	AveID	1.263	1.348		534	500	6.8	50.0
1,4-Dioxane-d8	Ave	0.1782	0.1782		4000	4000	0.0	50.0

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262700.d  
 Lims ID: ccvis  
 Client ID:  
 Sample Type: CCVIS  
 Inject. Date: 17-Jan-2021 16:06:30 ALS Bottle#: 2 Worklist Smp#: 2  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0122958-002  
 Operator ID: Instrument ID: CBNAMS9  
 Sublist: chrom-8270\_Iso\*sub1  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 18-Jan-2021 08:46:33 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1662

First Level Reviewer: hamziy Date: 17-Jan-2021 16:22:18

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	1.996	1.996	0.000	10	53728	4.00	4.00	
2 1,4-Dioxane	88	2.027	2.027	0.000	18	9056	0.5000	0.5340	
* 4 1,4-Dichlorobenzene-d4	150	5.616	5.616	0.000	1	15073	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_ISOTOPL5\_00007 Amount Added: 1.00 Units: mL



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262700.d

Injection Date: 17-Jan-2021 16:06:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul

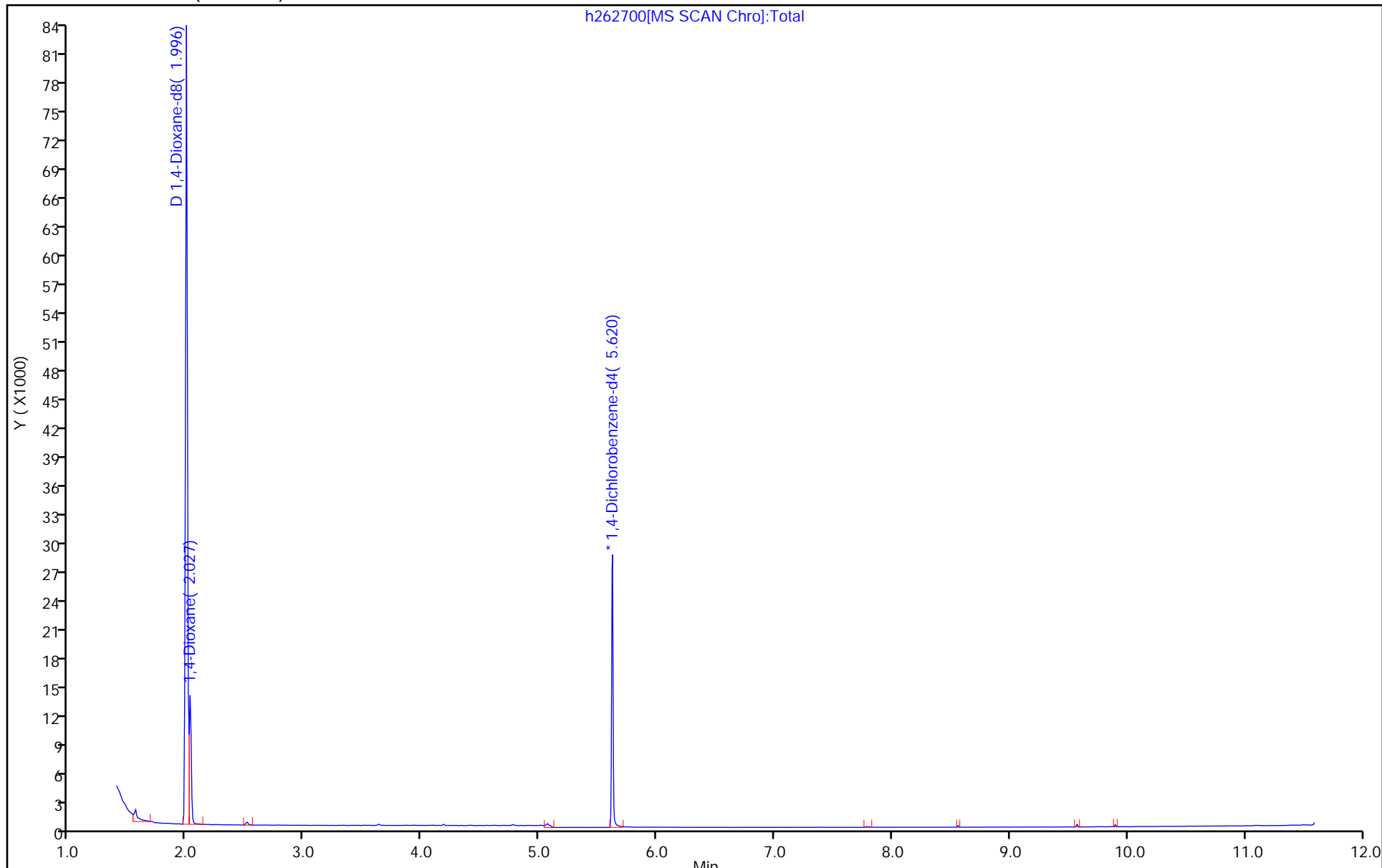
Dil. Factor: 1.0000

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\20201103-119507.b\h260954.d  
 Lims ID: DFTPP  
 Client ID:  
 Sample Type: DFTPP  
 Inject. Date: 03-Nov-2020 08:50:30 ALS Bottle#: 1 Worklist Smp#: 1  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0119507-001  
 Operator ID: Instrument ID: CBNAMS9  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 03-Nov-2020 12:05:13 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1685

First Level Reviewer: johnstonm1 Date: 03-Nov-2020 12:05:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
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3 DFTPP

**QC Flag Legend**

Processing Flags

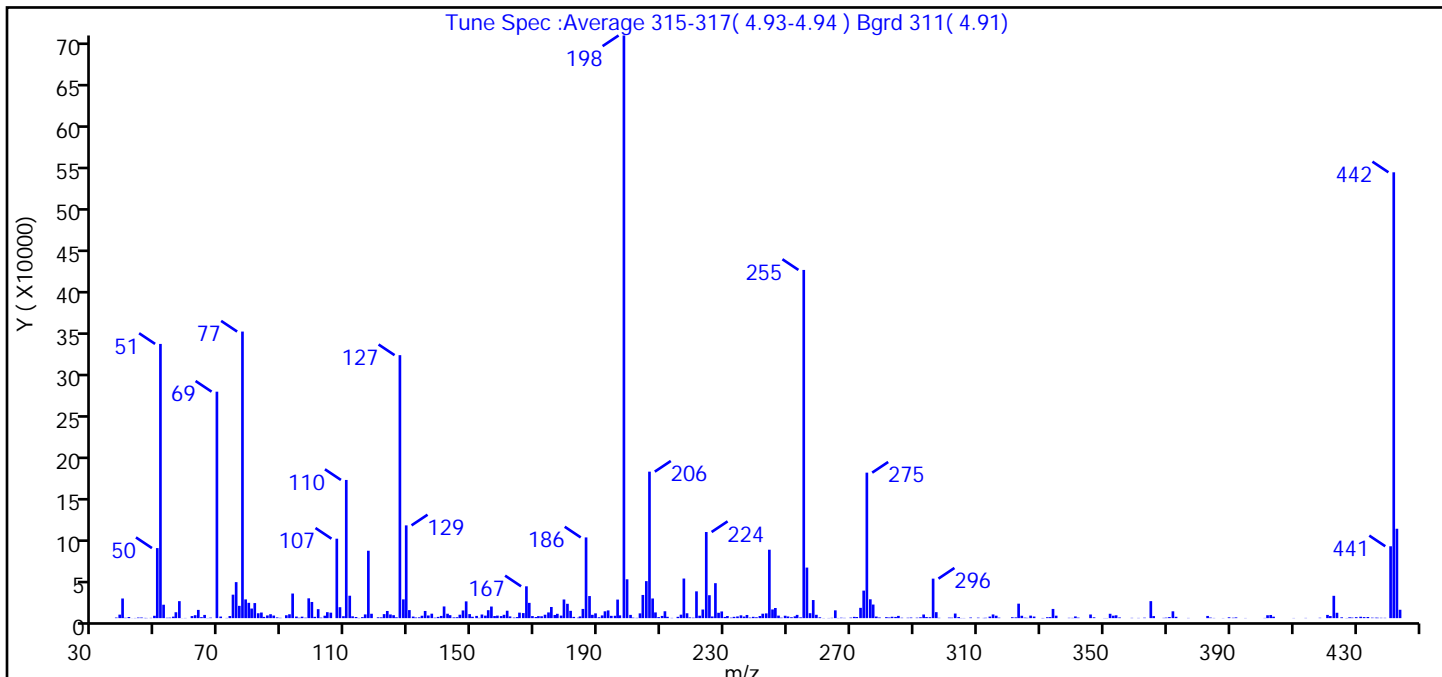
**Reagents:**

SMDFTP\_CH\_00031 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260954.d  
 Injection Date: 03-Nov-2020 08:50:30 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	38.9
70	<2% of m/z 69	0.3 (0.7)
197	<2% of m/z 198	0.5
199	5-9% of m/z 198	6.7
365	>1% of m/z 198	2.9
441	<150% of m/z 443	12.3 (80.4)
442	Present	76.5
443	15-24% of m/z 442	15.3 (20.1)

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260954.d\8270\_Iso.rslt\spectra.d  
Injection Date: 03-Nov-2020 08:50:30  
Spectrum: Tune Spec :Average 315-317( 4.93-4.94 ) Bgrd 311( 4.91)  
Base Peak: 198.00  
Minimum % Base Peak: 0  
Number of Points: 337

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	724	128.00	22864	213.00	304	306.00	213
38.00	4281	129.00	113000	215.00	1606	308.00	753
39.00	23936	130.00	9812	216.00	4232	310.00	599
40.00	437	131.00	1920	217.00	48240	312.00	286
41.00	1360	132.00	779	218.00	5941	313.00	427
42.00	82	133.00	997	219.00	902	314.00	1898
43.00	226	134.00	2932	220.00	554	315.00	4507
44.00	731	135.00	8753	221.00	32640	316.00	2955
45.00	767	136.00	3235	222.00	2947	317.00	597
46.00	278	137.00	5437	223.00	10516	321.00	1100
47.00	227	138.00	582	224.00	104904	322.00	920
48.00	340	139.00	1536	225.00	27928	323.00	17640
49.00	2873	140.00	2692	226.00	2033	324.00	2900
50.00	85336	141.00	14237	227.00	42584	325.00	599
51.00	334016	142.00	5377	228.00	6527	326.00	338
52.00	16354	143.00	3646	229.00	8162	327.00	3074
53.00	475	144.00	900	230.00	1498	328.00	1935
54.00	594	145.00	1116	231.00	2570	331.00	213
55.00	1827	146.00	4166	232.00	612	331.00	203
56.00	7185	147.00	9375	233.00	1585	332.00	1100
57.00	20696	148.00	20440	234.00	2067	333.00	1238
58.00	109	149.00	4929	235.00	3441	334.00	11224
59.00	237	150.00	1703	236.00	1924	335.00	2999
61.00	2498	151.00	2721	237.00	3855	339.00	397
62.00	3556	152.00	362	238.00	697	340.00	312
63.00	10036	153.00	4425	239.00	1633	341.00	2084
64.00	1198	154.00	3060	240.00	1065	342.00	610
65.00	3922	155.00	9690	241.00	2576	346.00	4432
66.00	215	156.00	14136	242.00	5401	347.00	1005
67.00	628	157.00	2558	243.00	5797	350.00	200
69.00	275840	158.00	3084	244.00	83352	351.00	189
70.00	1914	159.00	2514	245.00	10595	352.00	5319
72.00	261	160.00	4060	246.00	12356	353.00	2982

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260954.d\8270\_Iso.rslt\spectra.d

Injection Date: 03-Nov-2020 08:50:30

Spectrum: Tune Spec :Average 315-317( 4.93-4.94 ) Bgrd 311( 4.91)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 337

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	2555	161.00	9037	247.00	3078	354.00	3473
74.00	28592	162.00	2102	248.00	597	355.00	851
75.00	43880	163.00	667	249.00	2935	359.00	352
76.00	14973	164.00	1298	250.00	2043	361.00	278
77.00	349056	165.00	6677	251.00	1125	363.00	552
78.00	22824	166.00	6172	252.00	2192	365.00	20720
79.00	18664	167.00	38776	253.00	3971	366.00	2487
80.00	11702	168.00	18616	254.00	955	369.00	357
81.00	18352	169.00	2488	255.00	424128	370.00	597
82.00	5959	170.00	1357	256.00	61576	371.00	1306
83.00	6841	171.00	2472	257.00	6023	372.00	8331
84.00	1519	172.00	2299	258.00	22048	373.00	1635
85.00	3295	173.00	4162	259.00	4074	377.00	264
86.00	4775	174.00	6971	260.00	1023	383.00	2676
87.00	3158	175.00	13588	261.00	191	384.00	679
88.00	921	176.00	3883	263.00	222	385.00	249
89.00	384	177.00	5281	264.00	373	388.00	191
91.00	3509	178.00	3090	265.00	9495	390.00	1023
92.00	4720	179.00	22736	266.00	211	391.00	508
93.00	29984	180.00	17472	267.00	515	392.00	914
94.00	1930	181.00	8905	268.00	326	395.00	214
95.00	482	182.00	1549	270.00	670	401.00	272
96.00	1793	184.00	574	271.00	1556	402.00	3527
97.00	548	184.00	2077	272.00	1361	403.00	3853
98.00	24136	185.00	11222	273.00	12553	404.00	1785
99.00	19696	186.00	98320	274.00	33520	410.00	218
100.00	1603	187.00	26904	275.00	177216	414.00	278
101.00	10962	188.00	4051	276.00	22960	419.00	459
102.00	626	189.00	5828	277.00	16568	421.00	3930
103.00	2955	190.00	1080	278.00	1922	422.00	2539
104.00	7258	191.00	3320	279.00	797	423.00	27192
105.00	6673	192.00	8331	281.00	1210	424.00	6553
107.00	96776	193.00	9434	282.00	769	426.00	991
108.00	13331	194.00	2806	283.00	1689	427.00	201

Data File: \\chromfs\Edison\ChromData\CBNAM9\20201103-119507.b\h260954.d\8270\_Iso.rslt\spectra.d

Injection Date: 03-Nov-2020 08:50:30

Spectrum: Tune Spec :Average 315-317( 4.93-4.94 ) Bgrd 311( 4.91)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 337

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	2341	195.00	2893	284.00	1480	428.00	1018
110.00	168320	196.00	22624	285.00	2745	429.00	663
111.00	27304	197.00	3382	286.00	521	430.00	1198
112.00	2203	198.00	709696	288.00	499	432.00	1683
113.00	1399	199.00	47320	289.00	748	433.00	1273
114.00	264	200.00	3957	291.00	580	434.00	1382
115.00	1233	201.00	637	292.00	1027	435.00	606
116.00	4542	202.00	365	293.00	4439	436.00	560
117.00	82096	203.00	5812	294.00	1312	437.00	444
118.00	5346	204.00	28256	295.00	1124	438.00	432
120.00	1058	205.00	45088	296.00	48120	439.00	391
121.00	937	206.00	178432	297.00	7276	441.00	87552
122.00	4898	207.00	23944	298.00	394	442.00	543040
123.00	8727	208.00	6974	301.00	612	443.00	108888
124.00	4490	209.00	1295	302.00	532	444.00	10217
125.00	3595	210.00	2698	303.00	5606		
126.00	997	211.00	8392	304.00	1297		
127.00	320320	212.00	1626	305.00	204		

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260954.d

Injection Date: 03-Nov-2020 08:50:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: DFTPP

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 ul

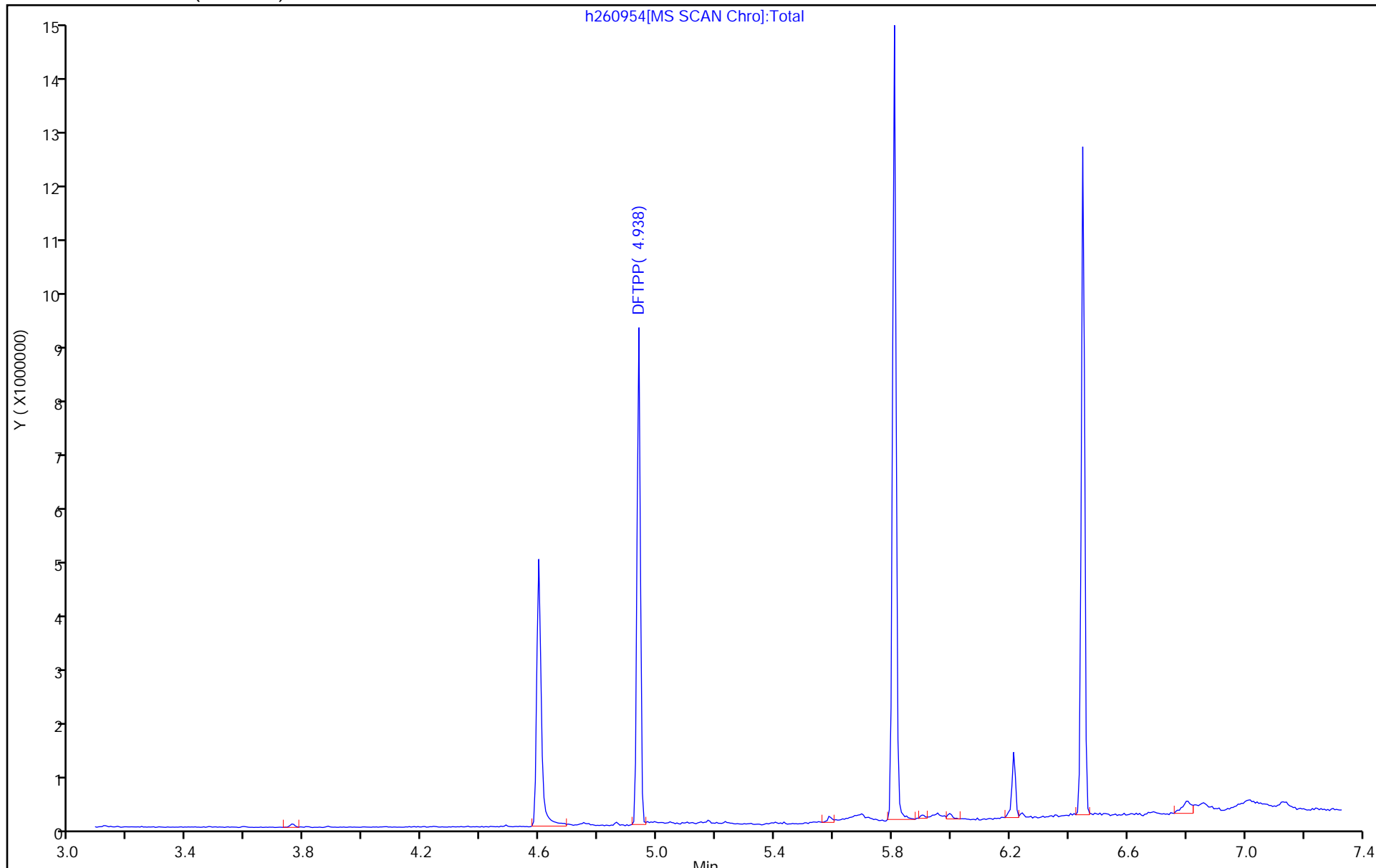
Dil. Factor: 1.0000

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-753305/1-A  
 Matrix: Water Lab File ID: h262701.d  
 Analysis Method: 8270E SIM ID Date Collected: \_\_\_\_\_  
 Extract. Method: 3510C Date Extracted: 01/17/2021 08:46  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/17/2021 16:35  
 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.: 753359 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	46		10-150



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262701.d  
 Lims ID: MB 460-753305/1-A  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 17-Jan-2021 16:35:30 ALS Bottle#: 3 Worklist Smp#: 3  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0122958-003  
 Operator ID: Instrument ID: CBNAMS9  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 18-Jan-2021 08:48:24 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1622

First Level Reviewer: johnstonm1 Date: 18-Jan-2021 07:17:00

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	2.003	1.996	0.007	8	32926	4.00	1.85	
* 4 1,4-Dichlorobenzene-d4	150	5.616	5.616	0.000	1	19973	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_iso\_d4istd\_00007 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262701.d

Injection Date: 17-Jan-2021 16:35:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: MB 460-753305/1-A

Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul

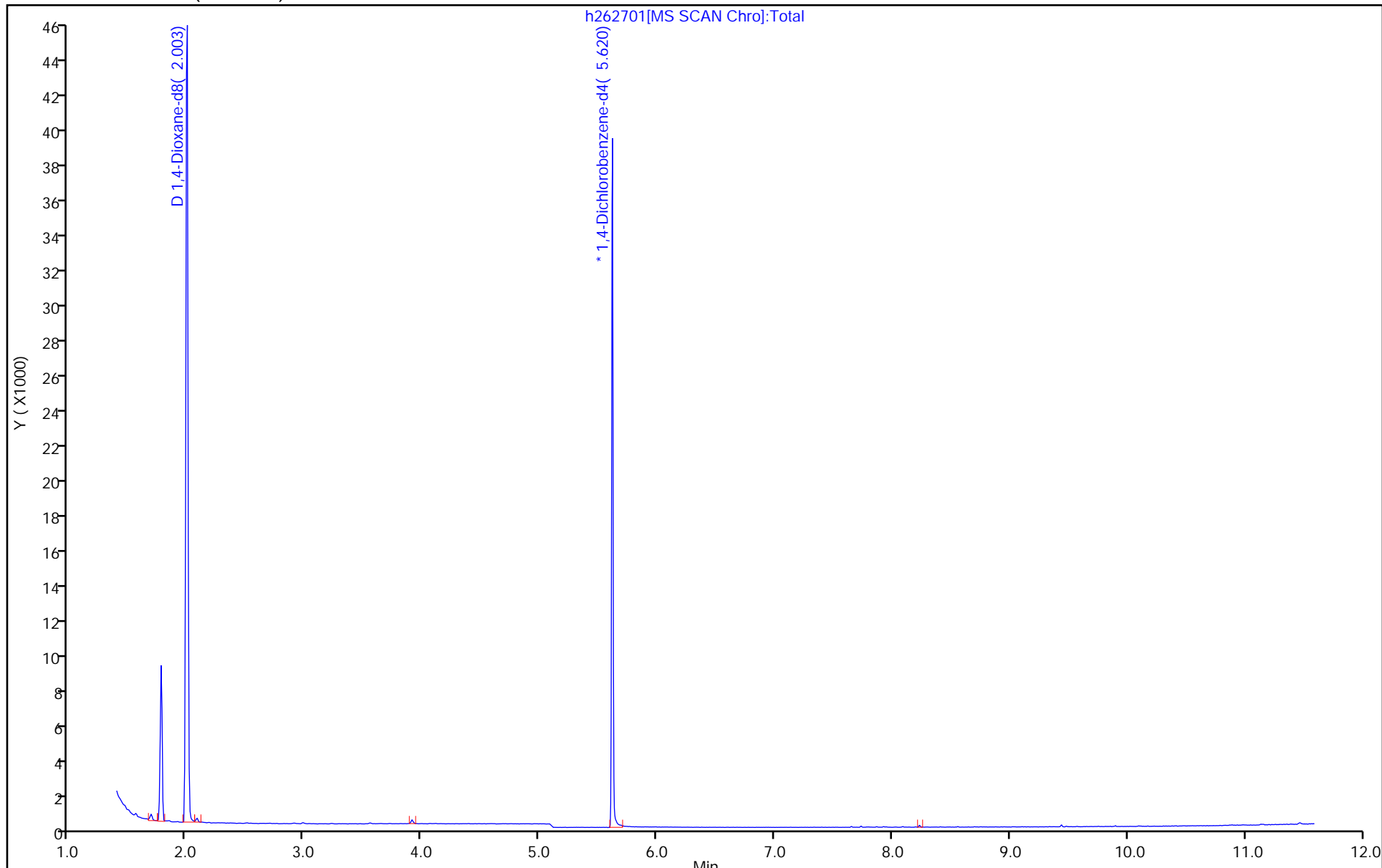
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270\_Iso

Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS ( 0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262701.d

Injection Date: 17-Jan-2021 16:35:30

Instrument ID: CBNAMS9

Lims ID: MB 460-753305/1-A

Client ID:

Operator ID:

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 5.0 ul

Dil. Factor: 1.0000

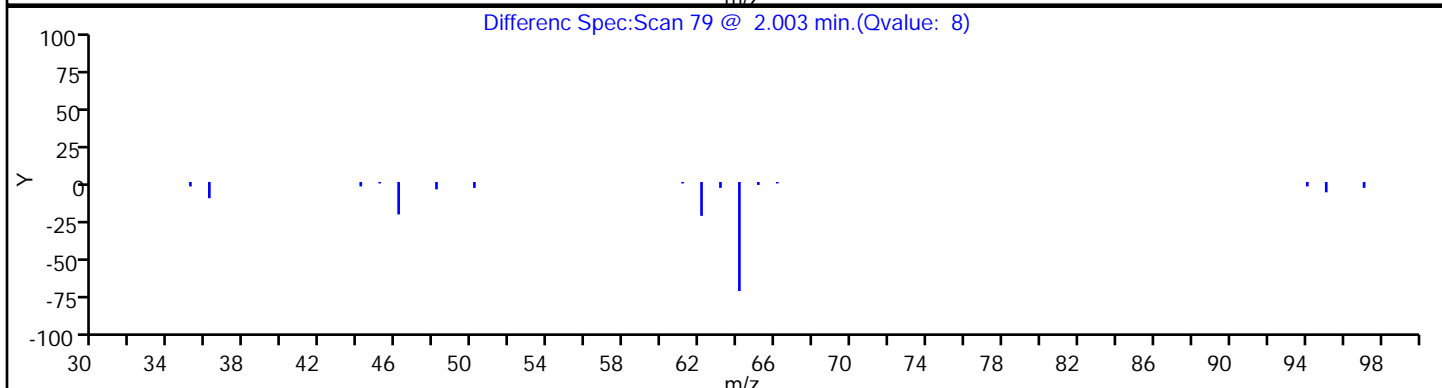
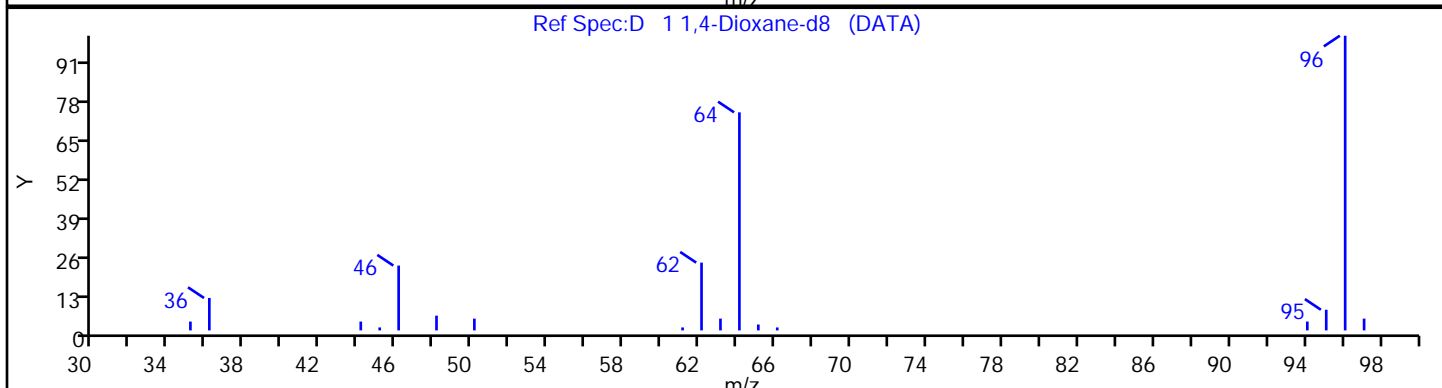
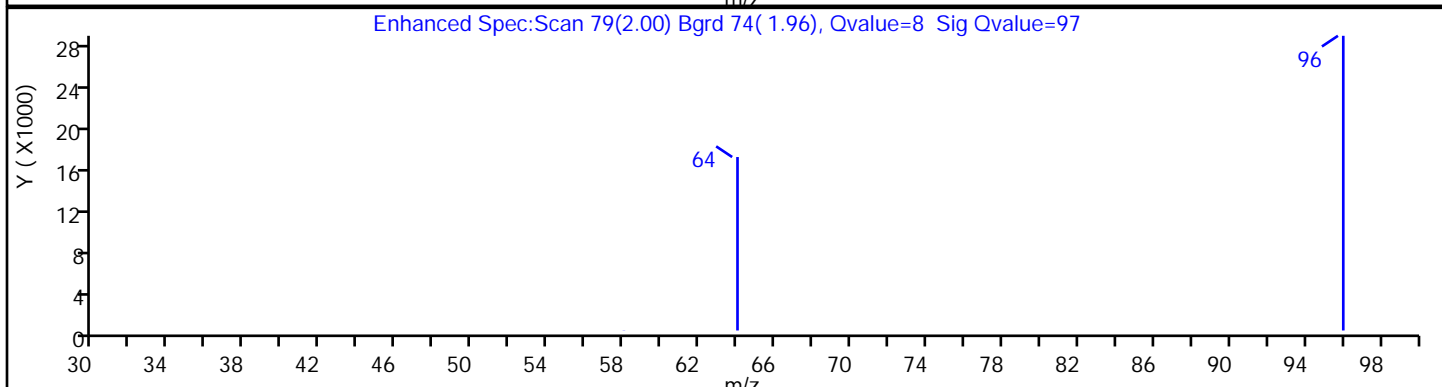
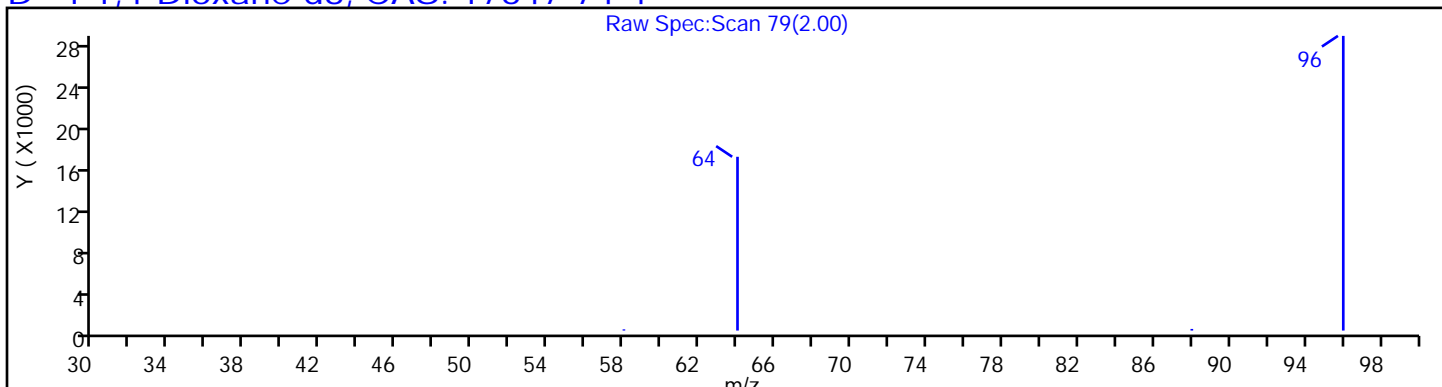
Method: 8270\_Iso

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



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262701.d

Injection Date: 17-Jan-2021 16:35:30

Instrument ID: CBNAMS9

Lims ID: MB 460-753305/1-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

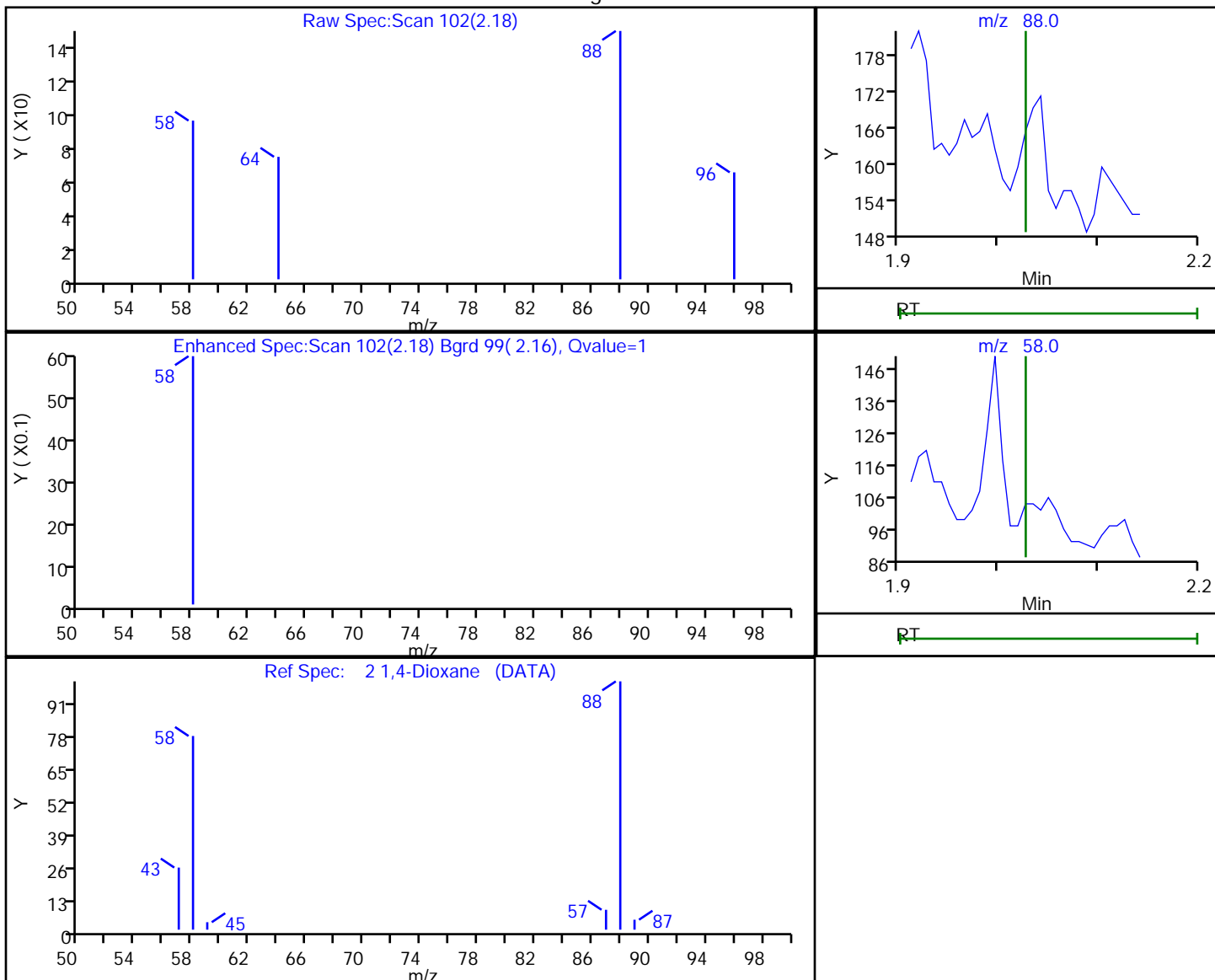
Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

2 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
2.18	88.00	31	0.002983
2.19	58.00	19	

Reviewer: johnstonm1, 18-Jan-2021 07:16:58

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-753305/2-A  
 Matrix: Water Lab File ID: h262702.d  
 Analysis Method: 8270E SIM ID Date Collected: \_\_\_\_\_  
 Extract. Method: 3510C Date Extracted: 01/17/2021 08:46  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/17/2021 16:51  
 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.: 753359 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.24		0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	50		10-200

Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262702.d  
 Lims ID: LCS 460-753305/2-A  
 Client ID:  
 Sample Type: LCS  
 Inject. Date: 17-Jan-2021 16:51:30 ALS Bottle#: 4 Worklist Smp#: 4  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0122958-004  
 Operator ID: Instrument ID: CBNAMS9  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 18-Jan-2021 08:46:33 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1662

First Level Reviewer: zhaoc Date: 18-Jan-2021 08:44:55

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	2.004	1.996	0.008	7	38407	4.00	2.01	
2 1,4-Dioxane	88	2.034	2.027	0.007	20	1878	0.2000	0.1549	
* 4 1,4-Dichlorobenzene-d4	150	5.616	5.616	0.000	1	21437	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_iso\_d4istd\_00007 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262702.d

Injection Date: 17-Jan-2021 16:51:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: LCS 460-753305/2-A

Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul

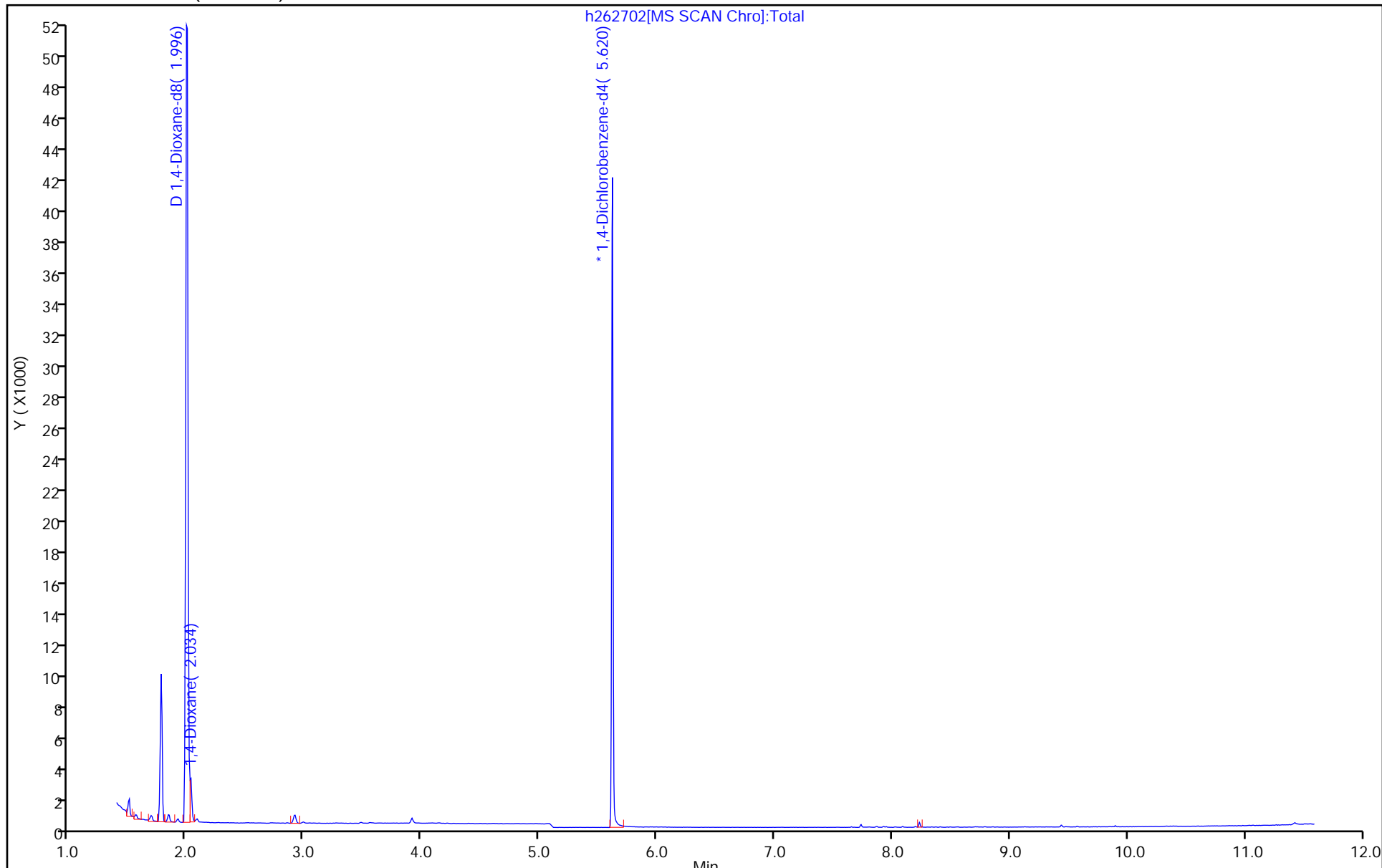
Dil. Factor: 1.0000

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.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-753305/3-A  
 Matrix: Water Lab File ID: h262703.d  
 Analysis Method: 8270E SIM ID Date Collected: \_\_\_\_\_  
 Extract. Method: 3510C Date Extracted: 01/17/2021 08:46  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/17/2021 17:07  
 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.: 753359 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.31		0.20	0.016

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	40		10-200



Eurofins TestAmerica, Edison  
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262703.d  
 Lims ID: LCSD 460-753305/3-A  
 Client ID:  
 Sample Type: LCSD  
 Inject. Date: 17-Jan-2021 17:07:30 ALS Bottle#: 5 Worklist Smp#: 5  
 Injection Vol: 5.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-0122958-005  
 Operator ID: Instrument ID: CBNAMS9  
 Method: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\8270\_Iso.m  
 Limit Group: MSS 8270 Isotope Dilution IS  
 Last Update: 18-Jan-2021 08:46:33 Calib Date: 03-Nov-2020 11:09:30  
 Integrator: RTE ID Type: RT Order ID  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20201103-119507.b\h260963.d  
 Column 1 : Rtxi-5Sil MS ( 0.25 mm) Det: MS SCAN  
 Process Host: CTX1662

First Level Reviewer: zhaoc Date: 18-Jan-2021 08:44:52

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	2.003	1.996	0.007	5	29636	4.00	1.60	
2 1,4-Dioxane	88	2.034	2.027	0.007	16	1531	0.2000	0.1637	
* 4 1,4-Dichlorobenzene-d4	150	5.616	5.616	0.000	1	20817	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM\_iso\_d4istd\_00007 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20210117-122958.b\h262703.d

Injection Date: 17-Jan-2021 17:07:30

Instrument ID: CBNAMS9

Operator ID:

Lims ID: LCSD 460-753305/3-A

Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul

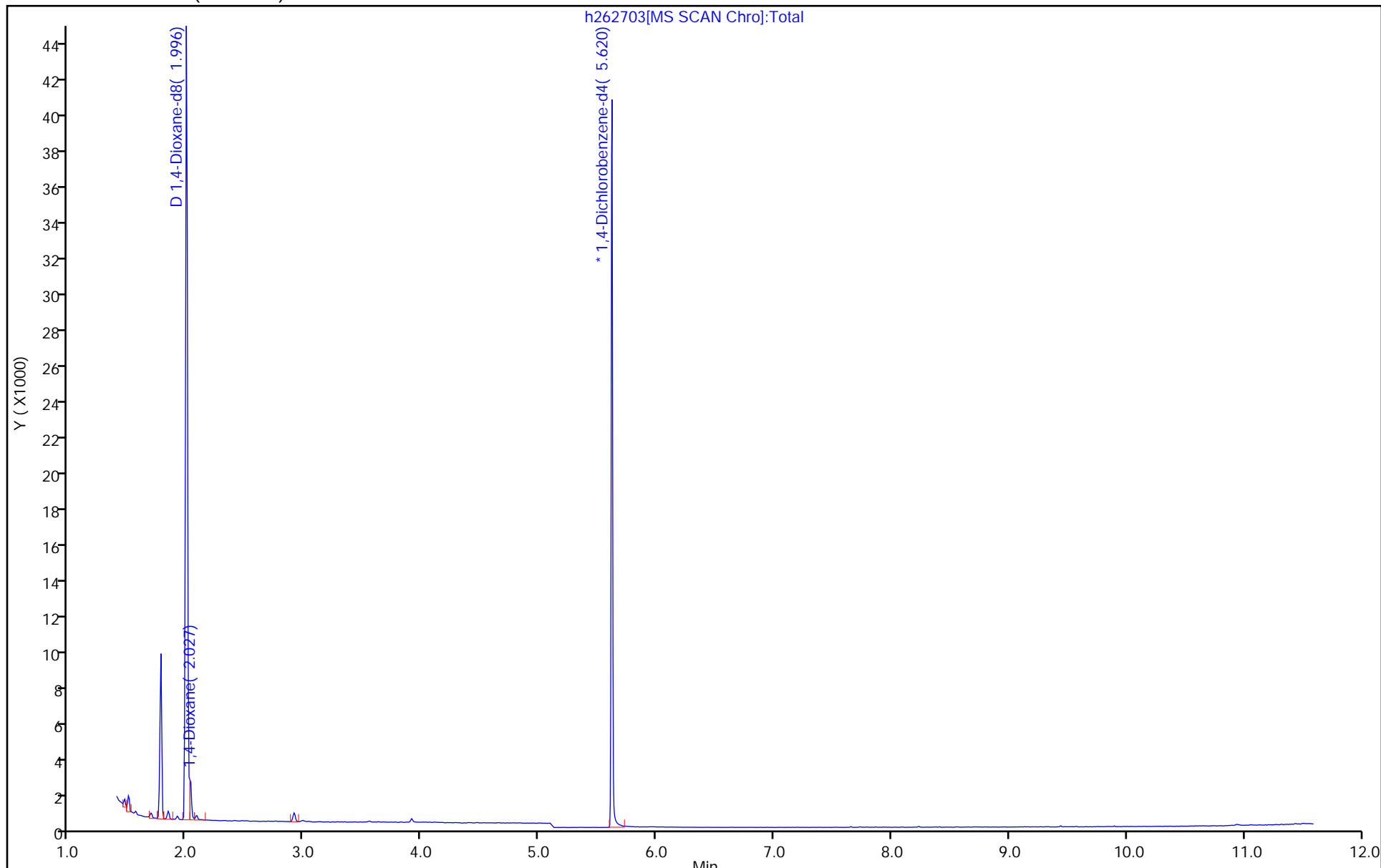
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270\_Iso

Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS ( 0.25 mm)



## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, EdisonJob No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: CBNAMS9Start Date: 11/03/2020 08:50Analysis Batch Number: 736984End Date: 11/03/2020 17:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-736984/1		11/03/2020 08:50	1	h260954.d	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-736984/2		11/03/2020 09:01	1	h260955.d	Rtxi-5Sil MS 0.25 (mm)
STD9 460-736984/3 IC		11/03/2020 09:17	1	h260956.d	Rtxi-5Sil MS 0.25 (mm)
STD8 460-736984/4 IC		11/03/2020 09:33	1	h260957.d	Rtxi-5Sil MS 0.25 (mm)
STD7 460-736984/5 IC		11/03/2020 09:49	1	h260958.d	Rtxi-5Sil MS 0.25 (mm)
STD6 460-736984/6 IC		11/03/2020 10:05	1	h260959.d	Rtxi-5Sil MS 0.25 (mm)
STD4 460-736984/7 IC		11/03/2020 10:21	1	h260960.d	Rtxi-5Sil MS 0.25 (mm)
STD3 460-736984/8 IC		11/03/2020 10:37	1	h260961.d	Rtxi-5Sil MS 0.25 (mm)
STD2 460-736984/9 IC		11/03/2020 10:53	1	h260962.d	Rtxi-5Sil MS 0.25 (mm)
STD1 460-736984/10 IC		11/03/2020 11:09	1	h260963.d	Rtxi-5Sil MS 0.25 (mm)
ICV 460-736984/11		11/03/2020 11:25	1	h260964.d	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 12:35	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 12:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 13:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 13:22	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 13:38	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 13:54	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 14:10	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 14:26	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 14:42	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 14:58	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 15:14	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 15:30	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 15:46	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 16:02	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 16:18	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 16:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 16:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 17:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		11/03/2020 17:21	1		Rtxi-5Sil MS 0.25 (mm)

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, EdisonJob No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: CBNAMS9Start Date: 01/17/2021 15:54Analysis Batch Number: 753359End Date: 01/17/2021 21:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-753359/1		01/17/2021 15:54	1		Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-753359/2		01/17/2021 16:06	1	h262700.d	Rtxi-5Sil MS 0.25 (mm)
MB 460-753305/1-A		01/17/2021 16:35	1	h262701.d	Rtxi-5Sil MS 0.25 (mm)
LCS 460-753305/2-A		01/17/2021 16:51	1	h262702.d	Rtxi-5Sil MS 0.25 (mm)
LCSD 460-753305/3-A		01/17/2021 17:07	1	h262703.d	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 17:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 17:39	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 17:55	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 18:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 18:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 18:43	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 18:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 19:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 19:31	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 19:47	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 20:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 20:20	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 20:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 20:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 21:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 21:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		01/17/2021 21:40	1		Rtxi-5Sil MS 0.25 (mm)
460-226624-4	MW-102D	01/17/2021 21:56	1	h262721.d	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 753305 Batch Start Date: 01/17/21 08:46 Batch Analyst: Dekkar, Djedjiga X

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 460-753305/1		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-753305/2		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
LCS 460-753305/3		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
460-226624-E-4	MW-102D	3510C, 8270E SIM ID	T	250 mL	2 mL	6 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_14-DX_surr 00007					
MB 460-753305/1		3510C, 8270E SIM ID		20 uL					
LCS 460-753305/2		3510C, 8270E SIM ID		20 uL					
LCS 460-753305/3		3510C, 8270E SIM ID		20 uL					
460-226624-E-4	MW-102D	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.

## GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 753305 Batch Start Date: 01/17/21 08:46 Batch Analyst: Dekkar, Djedjiga XBatch Method: 3510C Batch End Date: \_\_\_\_\_

Batch Notes	
Acid Used for pH Adjustment ID	257458
Base Used to Adjust pH ID	OP2984
Batch Comment	BNA Water ISOTOPE
Analyst ID - Concentration	dD
Concentration 1 Corrected Temperature	35 Degrees C
Equipment ID - Concentration 1	31869
Analyst ID - Extraction	dD
Method/Fraction	3510C LVI / 8270 Isotope
Na2SO4 ID	198855
pH Indicator ID	HC-022887
Prep Solvent ID	Methylene Chloride: 269040
Prep Solvent Volume Used	180 mL
Analyst ID - Spike Analyst	dD
Analyst ID - Spike Witness Analyst	AF
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.

# Method PFC IDA

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Fluorinated Hydrocarbons by Method  
PFAS IDA

FORM II  
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington      Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water      Level: Low

GC Column (1): C-18      ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	PFHxS #	C4PFHA #	M262FTS #	PFOA #
MW-102D	460-226624-4	87	100	96	102	99	102	104	101
	MB 200-163122/1-A	101	103	103	104	98	103	100	103
	LCS 200-163122/2-A	100	104	99	107	101	104	100	105

	<u>QC LIMITS</u>
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	50-150
PFHxA = 13C2 PFHxA	50-150
PFHxS = 18O2 PFHxS	50-150
C4PFHA = 13C4 PFHpA	50-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	50-150

# Column to be used to flag recovery values

FORM II 537 (modified)



FORM II  
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	M282FTS #	PFDA #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
MW-102D	460-226624-4	105	104	103	102	89	85	91	84
	MB 200-163122/1-A	99	102	99	102	76	91	87	77
	LCS 200-163122/2-A	101	108	106	107	73	93	99	77

	<u>QC LIMITS</u>
PFOS = 13C4 PFOS	50-150
PFNA = 13C5 PFNA	50-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	50-150
PFOSA = 13C8 FOSA	25-150
d3NMFOS = d3-NMeFOSAA	50-150
PFUnA = 13C2 PFUnA	50-150
d5NEFOS = d5-NEtFOSAA	50-150

# Column to be used to flag recovery values

FORM II 537 (modified)

FORM II  
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFDa #	PFTDA #
MW-102D	460-226624-4	85	79
	MB 200-163122/1-A	83	81
	LCS 200-163122/2-A	84	76

PFDa = 13C2 PFDa  
PFTDA = 13C2 PFTeDA

QC LIMITS  
50-150  
50-150

# Column to be used to flag recovery values

FORM II 537 (modified)

FORM III  
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: PA210121C03.d

Lab ID: LCS 200-163122/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	40.0	38.01	95	50-150	
Perfluoropentanoic acid (PFPeA)	40.0	37.14	93	50-150	
Perfluorohexanoic acid (PFHxA)	40.0	37.89	95	70-130	
Perfluoroheptanoic acid (PFHpA)	40.0	38.08	95	70-130	
Perfluorooctanoic acid (PFOA)	40.0	38.38	96	70-130	
Perfluorononanoic acid (PFNA)	40.0	37.31	93	70-130	
Perfluorodecanoic acid (PFDA)	40.0	37.27	93	70-130	
Perfluoroundecanoic acid (PFUnA)	40.0	39.81	100	70-130	
Perfluorododecanoic acid (PFDoA)	40.0	34.33	86	70-130	
Perfluorotridecanoic acid (PFTriA)	40.0	36.87	92	70-130	
Perfluorotetradecanoic acid (PFTeA)	40.0	42.17	105	70-130	
Perfluorobutanesulfonic acid (PFBS)	35.4	33.37	94	70-130	
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.55	98	70-130	
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.35	98	50-150	
Perfluorooctanesulfonic acid (PFOS)	37.1	37.11	100	70-130	
Perfluorodecanesulfonic acid (PFDS)	38.6	32.62	85	50-150	
Perfluorooctanesulfonamide (FOSA)	40.0	33.83	85	50-150	
13C8 FOSA	50.0	36.57	73	25-150	
13C4 PFBA	50.0	50.16	100	25-150	
13C5 PFPeA	50.0	52.04	104	25-150	
13C2 PFHxA	50.0	53.64	107	50-150	
13C4 PFHpA	50.0	51.76	104	50-150	
13C4 PFOA	50.0	52.69	105	50-150	
13C5 PFNA	50.0	54.18	108	50-150	
13C2 PFDA	50.0	53.69	107	50-150	
13C2 PFUnA	50.0	49.30	99	50-150	
13C2 PFDoA	50.0	41.84	84	50-150	
13C2 PFTeDA	50.0	37.80	76	50-150	
13C3 PFBS	46.5	46.23	99	50-150	
18O2 PFHxS	47.3	47.79	101	50-150	
13C4 PFOS	47.8	48.31	101	50-150	
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	40.0	37.74	94	70-130	

# Column to be used to flag recovery and RPD values

FORM III  
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington      Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water      Level: Low      Lab File ID: PA210121C03.d  
 Lab ID: LCS 200-163122/2-A      Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
N-ethylperfluorooctanesulfonam idoacetic acid (NEtFOSAA)	40.0	39.02	98	70-130	
d3-NMeFOSAA	50.0	46.71	93	50-150	
d5-NEtFOSAA	50.0	38.69	77	50-150	
6:2 FTS	37.9	33.29	88	50-150	
8:2 FTS	38.3	32.80	86	50-150	
M2-6:2 FTS	47.5	47.40	100	25-150	
M2-8:2 FTS	47.9	50.63	106	25-150	

# Column to be used to flag recovery and RPD values  
 FORM III 537 (modified)

FORM IV  
LCMS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
SDG No.: \_\_\_\_\_  
Lab File ID: PA210121C02.d Lab Sample ID: MB 200-163122/1-A  
Matrix: Water Date Extracted: 01/21/2021 14:00  
Instrument ID: LC812 Date Analyzed: 01/21/2021 21:13  
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-163122/2-A	PA210121C03 .d	01/21/2021 21:21
MW-102D	460-226624-4	PA210121C09 .d	01/21/2021 22:11

FORM VIII  
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: ICIS 200-162365/11 Date Analyzed: 12/22/2020 13:13  
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)  
 Lab File ID (Standard): PA201222ICAL011.d Heated Purge: (Y/N) N  
 Calibration ID: 44876

	13PFOA		#	RT #	#	RT #
	AREA #	RT #				
INITIAL CALIBRATION MID-POINT	889632	3.49				
UPPER LIMIT	1334448	3.69				
LOWER LIMIT	444816	3.29				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICB 200-162365/14		875786	3.49			
ICV 200-162365/15		893380	3.49			
CCVL 200-163165/5		1171227	3.49			
CCVIS 200-163165/6		1200407	3.49			

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area  
 RT Limit = ± 0.2 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 200-163165/6 Date Analyzed: 01/21/2021 12:58  
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)  
 Lab File ID (Standard): PA210121A06.d Heated Purge: (Y/N) N  
 Calibration ID: 44876

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1200407	3.49				
UPPER LIMIT		1800611	3.69				
LOWER LIMIT		600204	3.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 200-163183/1		979601	3.49				
MB 200-163122/1-A		977207	3.48				
LCS 200-163122/2-A		1153380	3.48				
460-226624-4	MW-102D	1175051	3.49				
CCV 200-163183/14		1235139	3.49				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area  
 RT Limit = ± 0.2 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: MW-102D Lab Sample ID: 460-226624-4  
 Matrix: Water Lab File ID: PA210121C09.d  
 Analysis Method: 537 (modified) Date Collected: 01/13/2021 12:26  
 Extraction Method: 3535 Date Extracted: 01/21/2021 14:00  
 Sample wt/vol: 312.3 (mL) Date Analyzed: 01/21/2021 22:11  
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 163183 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	6.34		4.00	0.90
2706-90-3	Perfluoropentanoic acid (PFPeA)	4.80		1.60	0.86
307-24-4	Perfluorohexanoic acid (PFHxA)	4.13		1.60	0.66
375-85-9	Perfluoroheptanoic acid (PFHpA)	3.80		1.60	0.37
335-67-1	Perfluorooctanoic acid (PFOA)	9.28		1.60	0.78
375-95-1	Perfluorononanoic acid (PFNA)	0.67	J	1.60	0.46
335-76-2	Perfluorodecanoic acid (PFDA)	1.60	U	1.60	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.60	U	1.60	0.58
307-55-1	Perfluorododecanoic acid (PFDoA)	1.60	U	1.60	0.37
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.60	U	1.60	0.34
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.60	U	1.60	0.47
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.30	J	1.60	0.50
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.70		1.60	0.54
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	1.60	U	1.60	0.31
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.26		1.60	0.70
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.60	U	1.60	0.38
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.60	U	1.60	0.46
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	U	4.00	0.63
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	U	4.00	0.74
27619-97-2	6:2 FTS	4.00	U	4.00	0.58
39108-34-4	8:2 FTS	1.60	U	1.60	0.53



FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: MW-102D Lab Sample ID: 460-226624-4  
 Matrix: Water Lab File ID: PA210121C09.d  
 Analysis Method: 537 (modified) Date Collected: 01/13/2021 12:26  
 Extraction Method: 3535 Date Extracted: 01/21/2021 14:00  
 Sample wt/vol: 312.3 (mL) Date Analyzed: 01/21/2021 22:11  
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 163183 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	89		25-150
STL00992	13C4 PFBA	87		25-150
STL01893	13C5 PFPeA	100		25-150
STL00993	13C2 PFHxA	102		50-150
STL01892	13C4 PFHpA	102		50-150
STL00990	13C4 PFOA	101		50-150
STL00995	13C5 PFNA	104		50-150
STL00996	13C2 PFDA	102		50-150
STL00997	13C2 PFUnA	91		50-150
STL00998	13C2 PFDoA	85		50-150
STL02116	13C2 PFTeDA	79		50-150
STL02337	13C3 PFBS	96		50-150
STL00994	18O2 PFHxS	99		50-150
STL00991	13C4 PFOS	105		50-150
STL02118	d3-NMeFOSAA	85		50-150
STL02117	d5-NEtFOSAA	84		50-150
STL02279	M2-6:2 FTS	104		25-150
STL02280	M2-8:2 FTS	103		25-150

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
 Lims ID: 460-226624-G-4-A  
 Client ID: MW-102D  
 Sample Type: Client  
 Inject. Date: 21-Jan-2021 22:11:13 ALS Bottle#: 9 Worklist Smp#: 9  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: 460-226624-G-4-A  
 Misc. Info.: 200-0044534-009 Plate: 1 Rack: 3  
 Operator ID: lc812tech Instrument ID: LC812  
 Method: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 10:38:37 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614

First Level Reviewer: khanphomeea Date: 22-Jan-2021 11:46:02  
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.596	1381085	1.09	87.5	8775	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	219212	0.1980		43.8		M
D 3 13C5 PFPeA	267.90 > 223.00	2.413	2.413	0.0	0.691	1139230	1.25	99.8	2997	
4 Perfluoropentanoic acid	262.90 > 219.00	2.413	2.413	0.0	1.000	151221	0.1498		7.7	
D 47 13C3 PFBS	301.90 > 80.00	2.426	2.426	0.0	0.695	1337487	1.11	95.8	120158	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.426	2.439	-0.013	1.000	52682	0.0405	Target=2.21	16.6	
298.90 > 99.00	2.426	2.439	-0.013	1.000	24232		2.17(1.11-3.32)	14.4		
D 7 13C2 PFHxA	315.00 > 270.00	2.758	2.770	-0.012	0.790	1217415	1.27	102	2141	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.758	2.770	-0.012	1.000	137389	0.1291	Target=12.83	23.9		M
313.00 > 119.00	2.758	2.770	-0.012	1.000	10121		13.57(6.42-19.25)	17.0		
D 11 18O2 PFHxS	403.00 > 84.00	3.121	3.132	-0.011	0.894	1041994	1.17	98.6	1794	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.003	55143	0.0531	Target=4.15	63.5		M
399.00 > 99.00	3.132	3.132	0.0	1.003	11110		4.96(2.08-6.23)	11.5		M
D 9 13C4 PFHpA	367.00 > 322.00	3.132	3.132	0.0	0.897	1166488	1.27	102	2067	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.132	0.0	1.000	121065	0.1188	Target=3.66	24.9		M
363.00 > 169.00	3.132	3.132	0.0	1.000	33281		3.64(1.83-5.49)	87.1		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
16 Perfluoroheptanesulfonic acid										R
449.00 > 80.00	3.474	3.483	-0.009	0.913	2725	0.003132	Target=5.95	4.9		R
449.00 > 99.00	3.474	3.483	-0.009	0.913	928		2.94(2.98-8.93)	3.2		
D 12 M2-6:2 FTS										
429.00 > 81.00	3.474	3.483	-0.009	0.995	137749	1.23		104	330	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.003	298	0.002310		5.0		M
D 14 13C4 PFOA										
417.00 > 372.00	3.483	3.492	-0.009	0.997	1177759	1.27		101	3235	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1175051	1.25			2847	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.003	296115	0.2899	Target=2.58	68.8		M
413.00 > 169.00	3.492	3.492	0.0	1.003	125818		2.35(1.29-3.87)	346		M
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.690	3.804	-0.114	0.970	52330	0.0706	Target=5.65	46.6		RM
499.00 > 99.00	3.690	3.804	-0.114	0.970	5278		9.91(2.82-8.47)	8.5		M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	770159	1.26		105	2361	
D 19 13C5 PFNA										
468.00 > 423.00	3.814	3.824	-0.010	1.092	1066284	1.30		104	2355	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.814	3.824	-0.010	1.000	19639	0.0208	Target=7.44	3.0		M
463.00 > 169.00	3.814	3.824	-0.010	1.000	1852		10.60(3.72-11.16)	8.1		
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.126	-0.011	1.178	995460	1.27		102	4442	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.126	-0.011	1.000	1100	0.001340	Target=9.29	1.1		M
513.00 > 169.00	4.093	4.126	-0.033	0.995	83		13.25(4.64-13.93)	1.5		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.126	0.0	1.182	142686	1.24		103	391	
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.214	0.0	1.207	1287913	1.12		89.3	2270	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.204	4.214	-0.010	0.998	769	0.000745		5.7		M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.257	4.257	0.0	1.219	60355	1.06		84.8	880	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.268	4.268	0.0	1.003	44	0.001028		0.5		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.381	-0.001	1.254	731748	1.14		90.8	2364	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.392	-0.001	1.257	57767	1.05		84.0	532	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.391	4.403	-0.012	1.000	124	0.002899		2.8		M
D 36 13C2 PFDoA										
615.00 > 570.00	4.601	4.612	-0.011	1.318	720416	1.06		84.7	2813	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.612	4.612	0.0	1.002	1415	0.002232	Target=6.91	0.3		M
613.00 > 169.00	4.622	4.612	0.010	1.005	218		6.49(3.45-10.36)	5.2		M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.986	5.005	-0.019	0.996	190	0.002578	Target=1.06	5.3		M
713.00 > 219.00	4.995	5.005	-0.010	0.998	151		1.26(0.53-1.59)	6.3		M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.005	5.005	0.0	1.433	496832	0.9874		79.0	2466	

**QC Flag Legend**

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d

Injection Date: 21-Jan-2021 22:11:13

Instrument ID: LC812

Lims ID: 460-226624-G-4-A

Lab Sample ID: 200-226624-4

Client ID: MW-102D

Operator ID: lc812tech

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

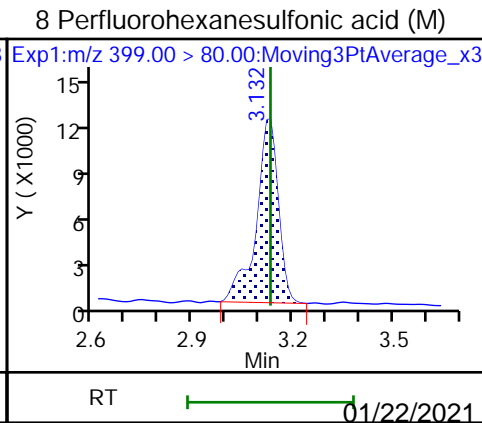
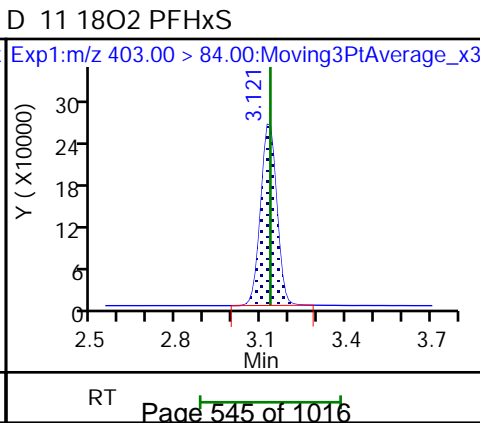
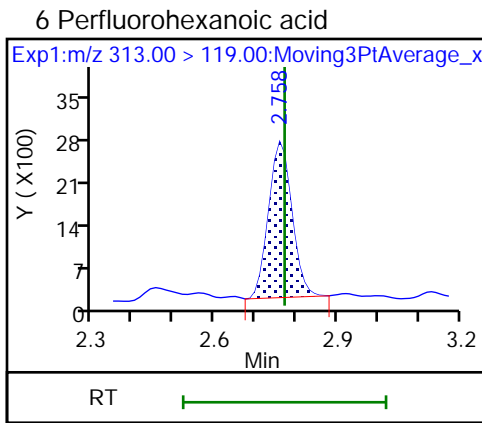
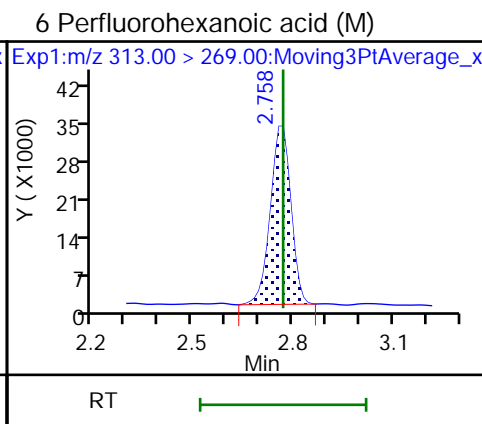
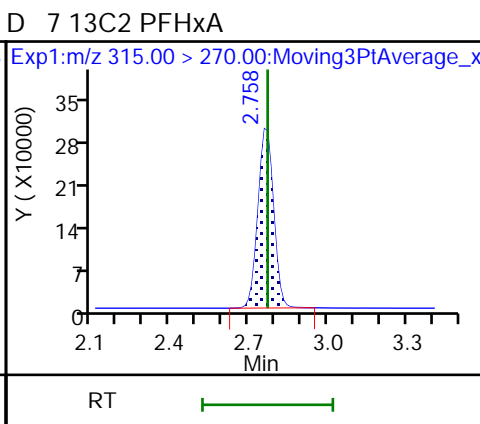
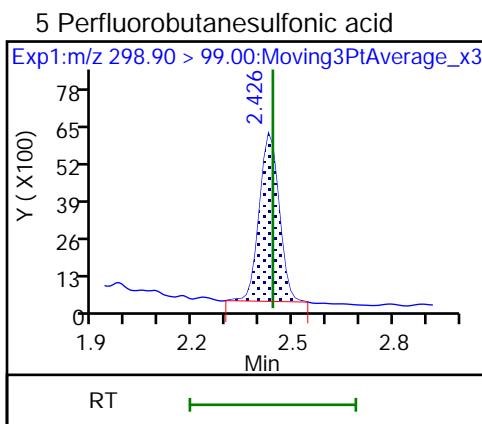
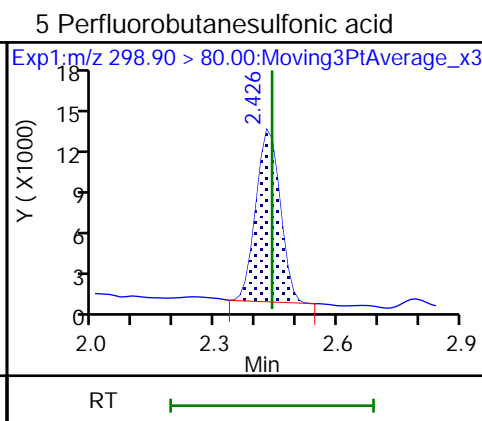
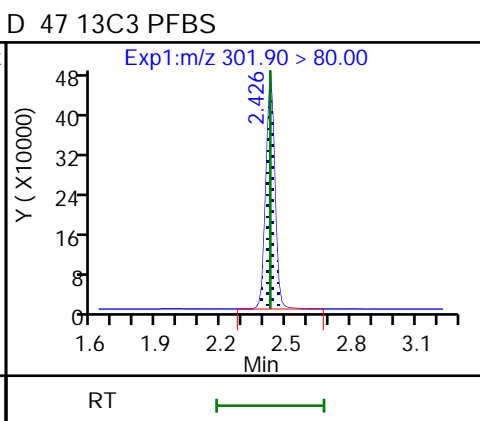
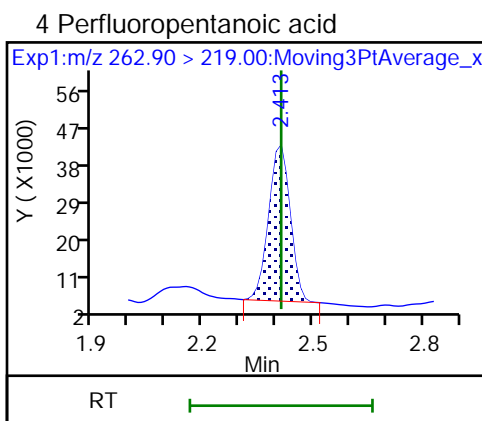
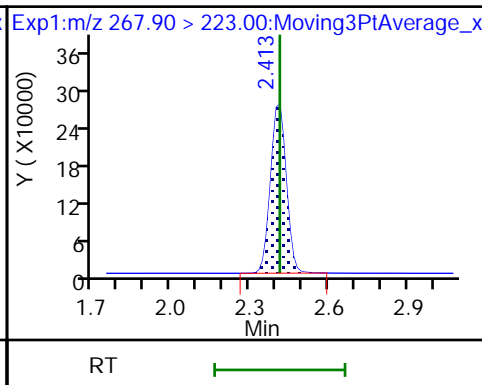
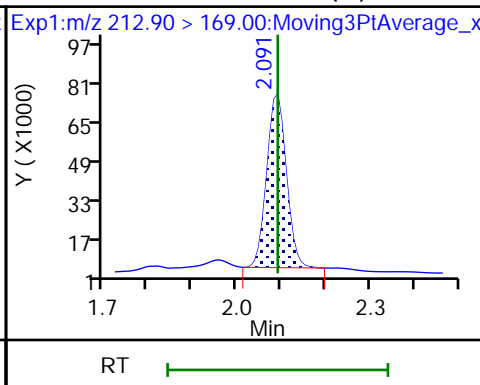
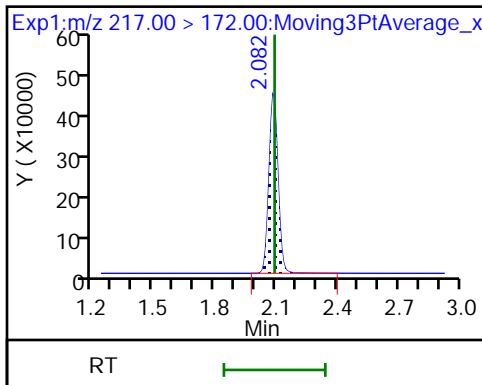
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

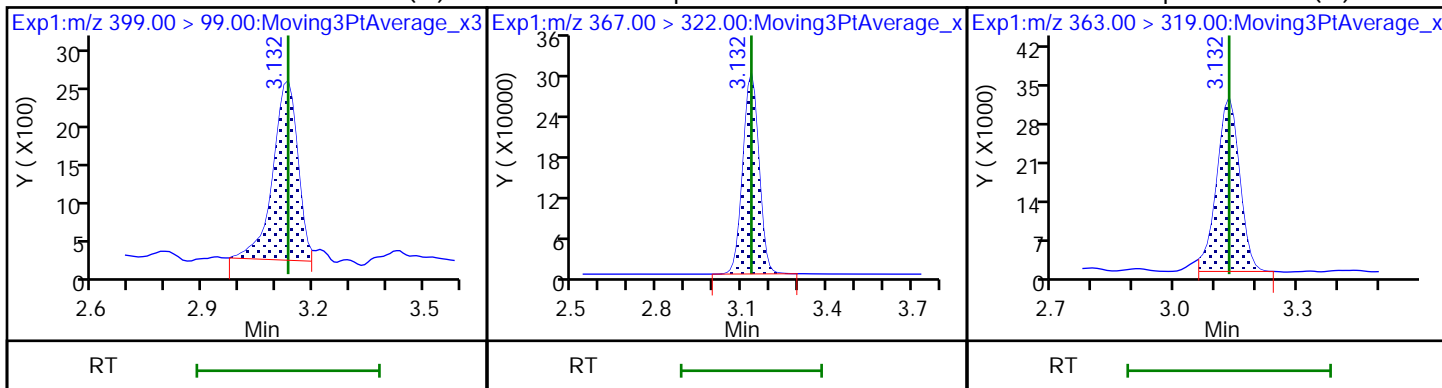
2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



8 Perfluorohexanesulfonic acid (M) D 9 13C4 PFHpA

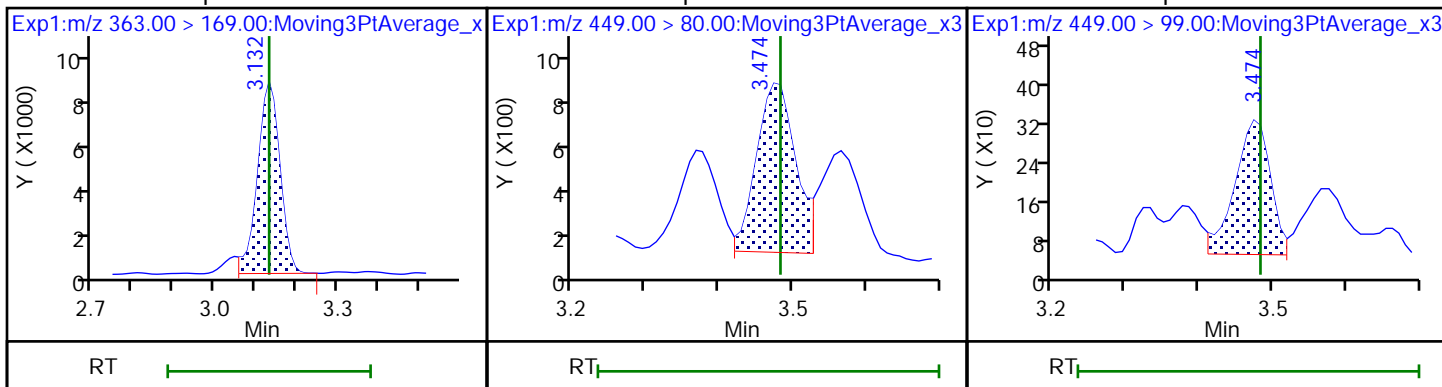
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

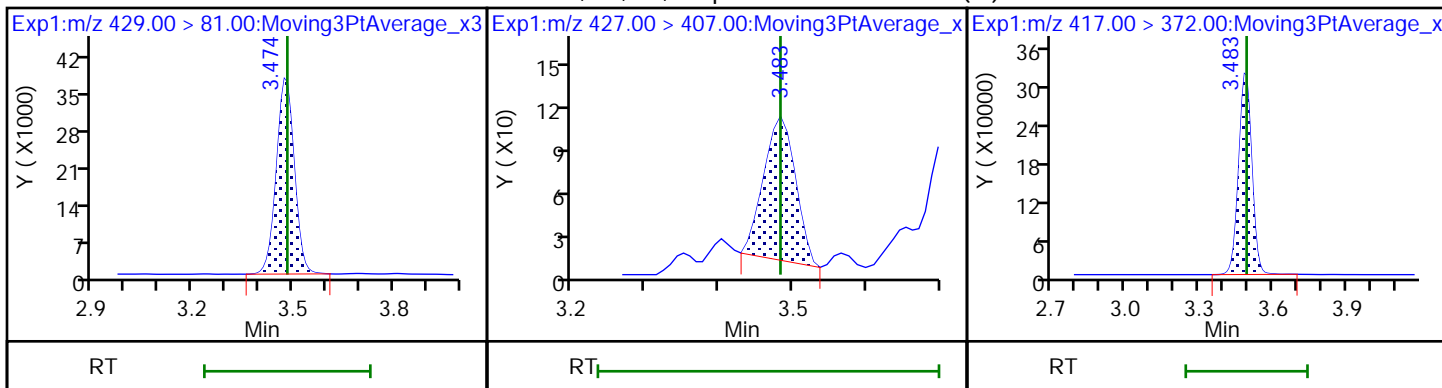
16 Perfluoroheptanesulfonic acid

16 Perfluoroheptanesulfonic acid



D 12 M2-6:2 FTS

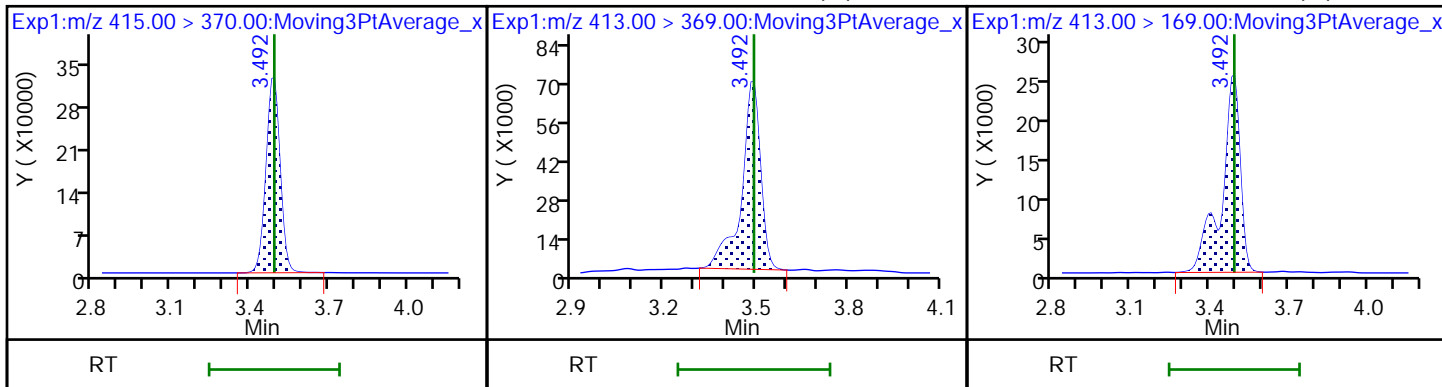
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 14 13C4 PFOA



\* 62 13C2 PFOA

15 Perfluorooctanoic acid (M)

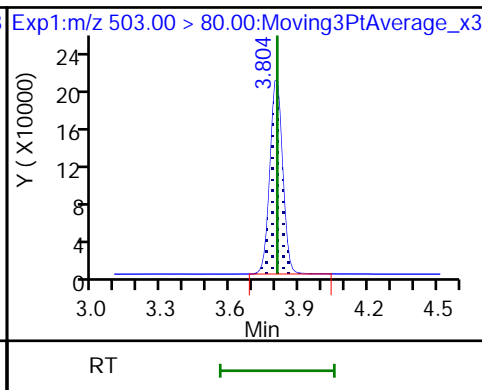
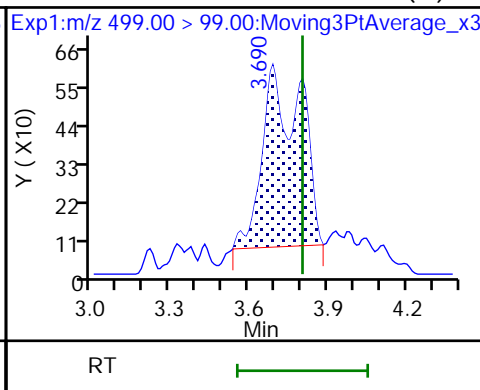
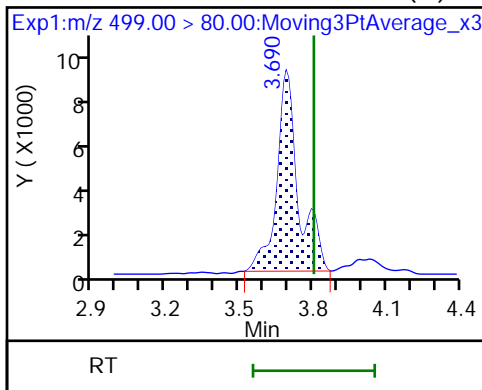
15 Perfluorooctanoic acid (M)



17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

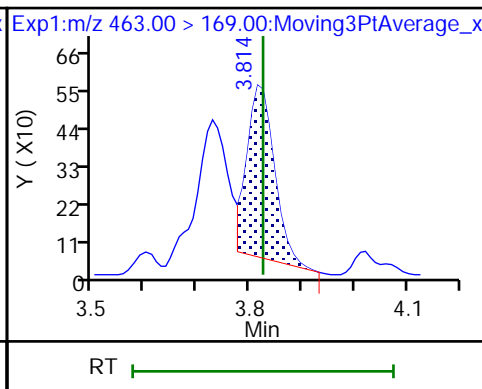
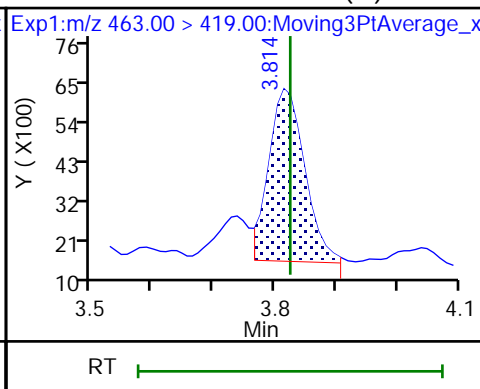
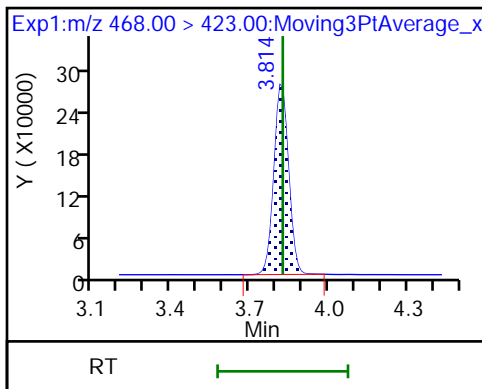
D 18 13C4 PFOS



D 19 13C5 PFNA

20 Perfluorononanoic acid (M)

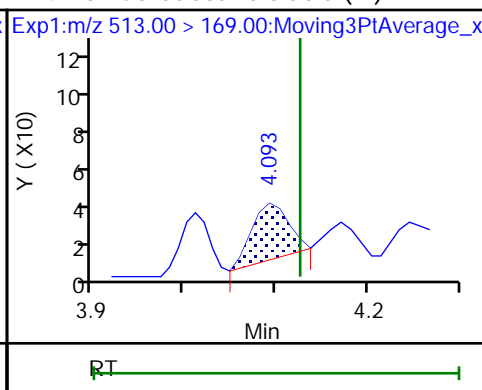
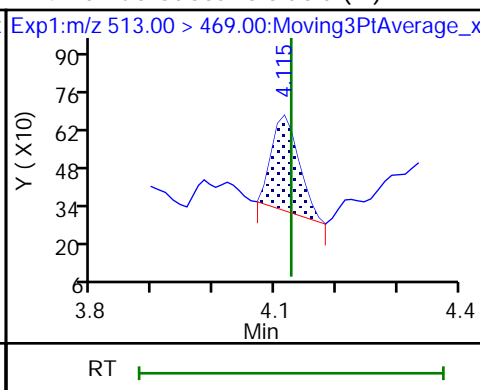
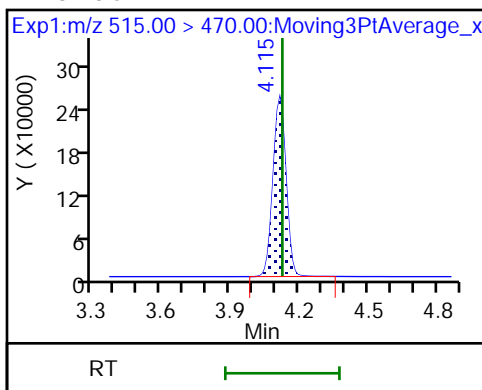
20 Perfluorononanoic acid



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

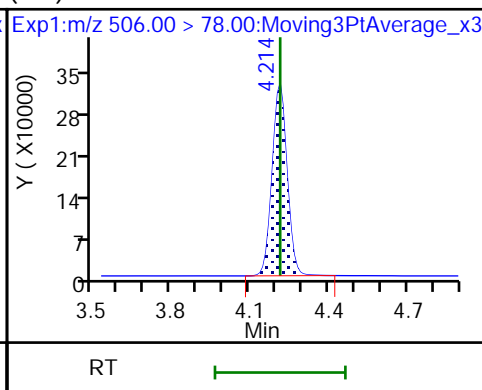
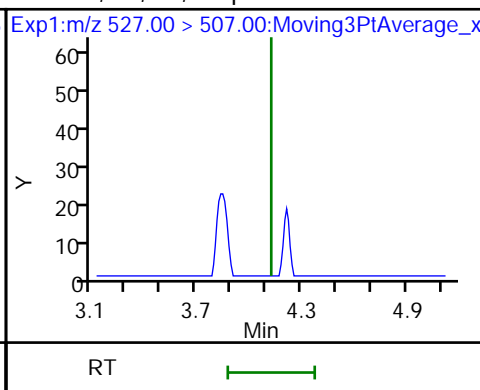
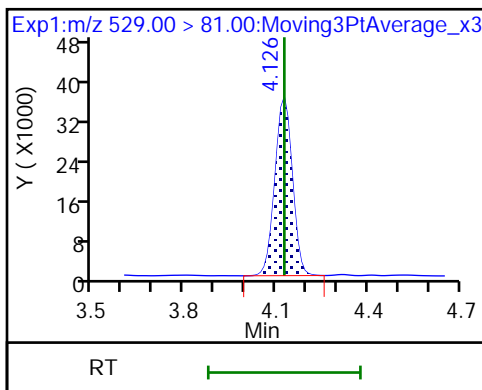
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfonic acid (M)

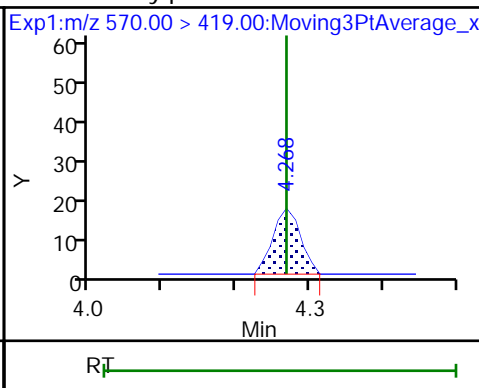
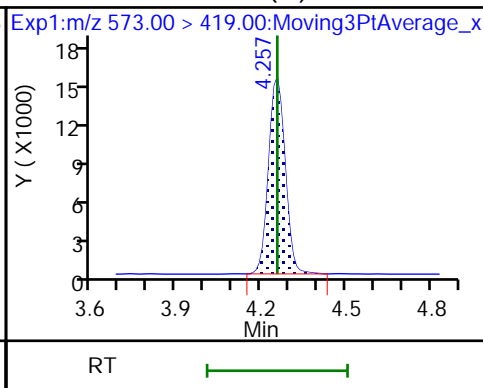
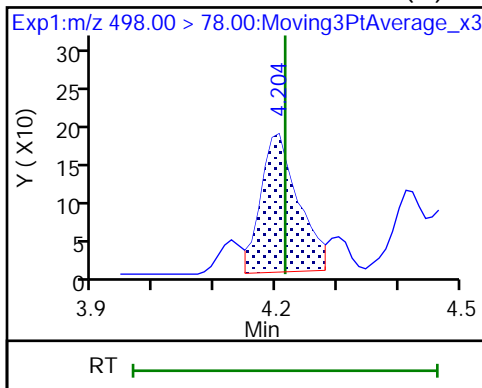
(ND) 13C8 FOSA



22 Perfluorooctanesulfonamide (M)

D 27 d3-NMeFOSAA (M)

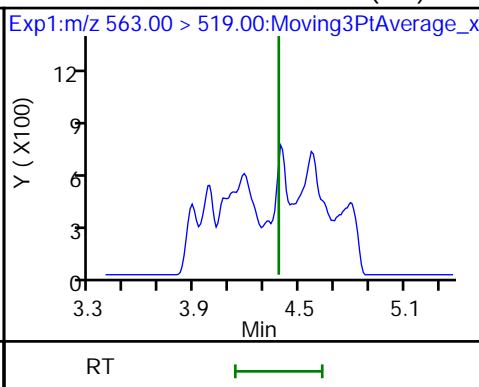
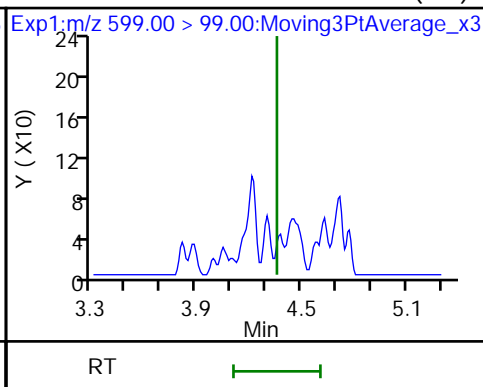
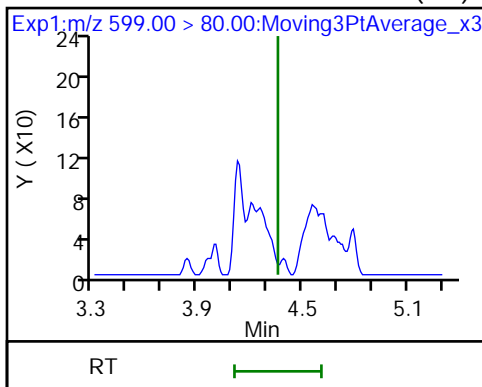
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

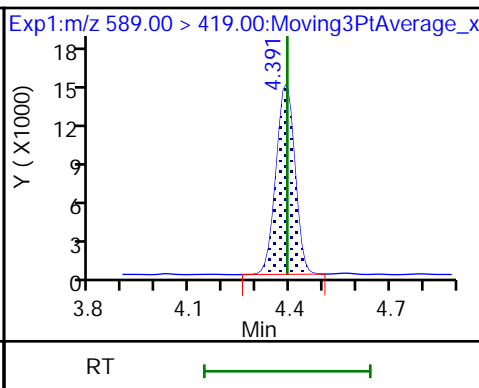
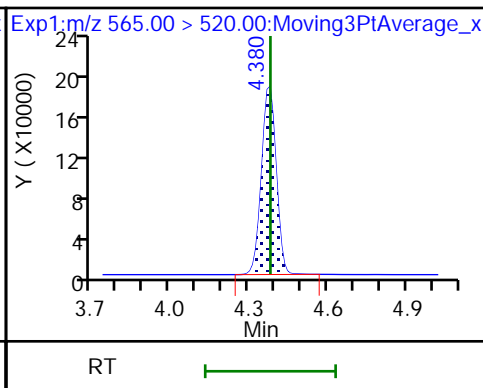
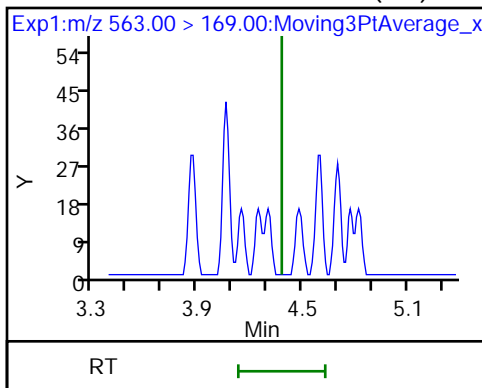
31 Perfluoroundecanoic acid (ND)



31 Perfluoroundecanoic acid (ND)

D 30 13C2 PFUnA

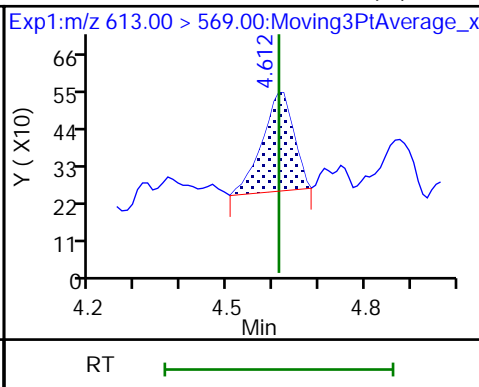
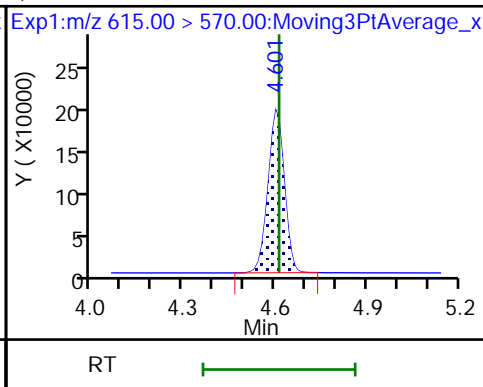
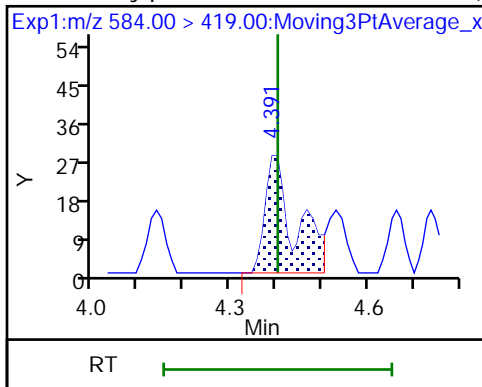
D 32 d5-NEtFOSAA



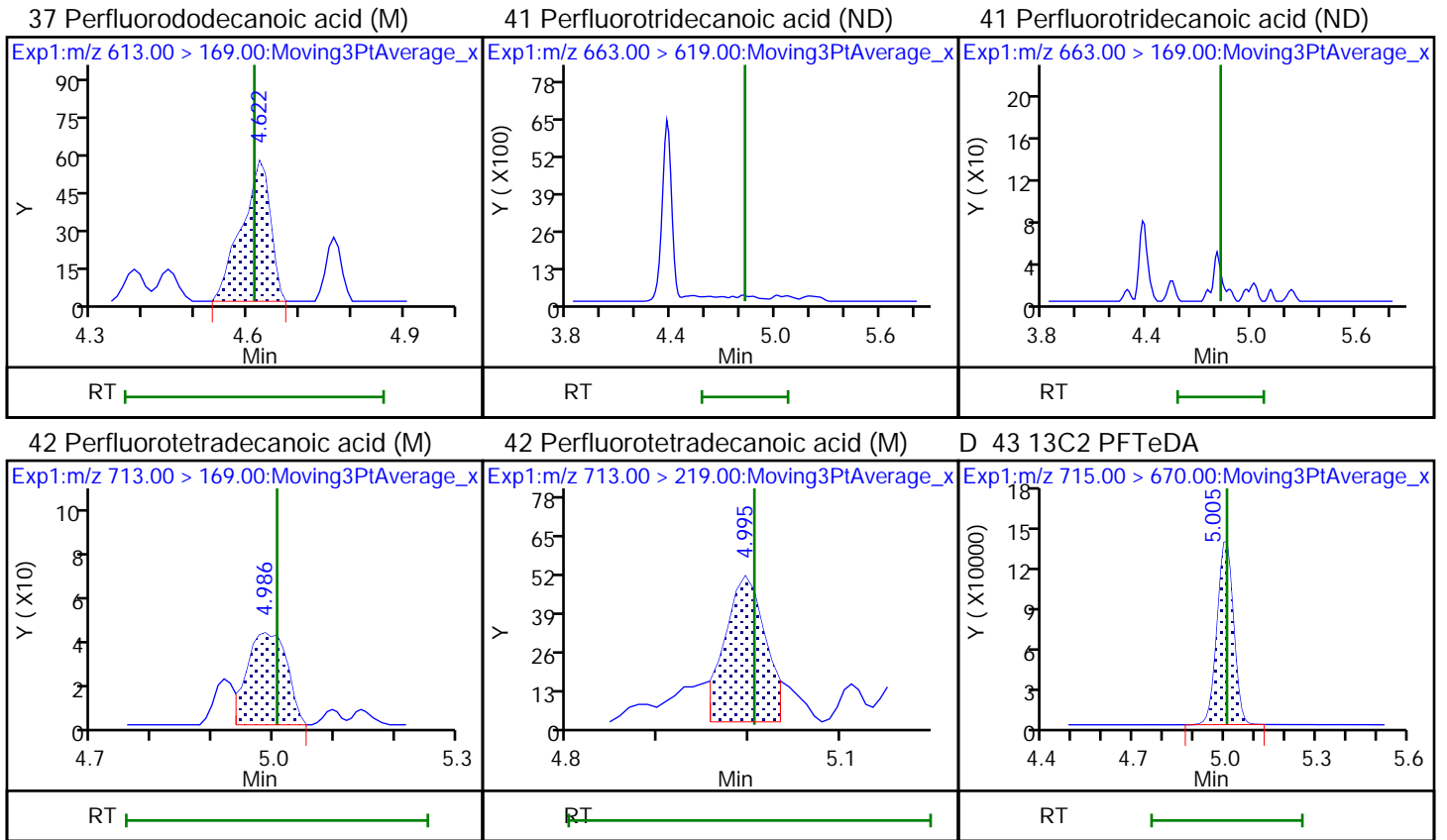
33 N-ethylperfluorooctanesulfonamid (ND)

36 13C2 PFDoA

37 Perfluorododecanoic acid (M)







Euofins TestAmerica, Burlington

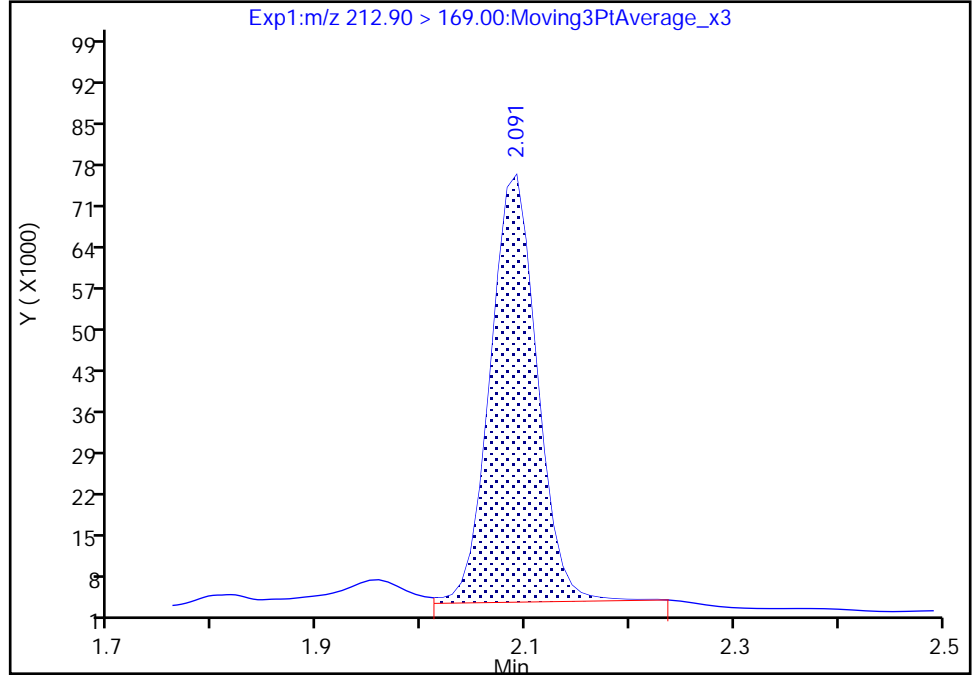
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

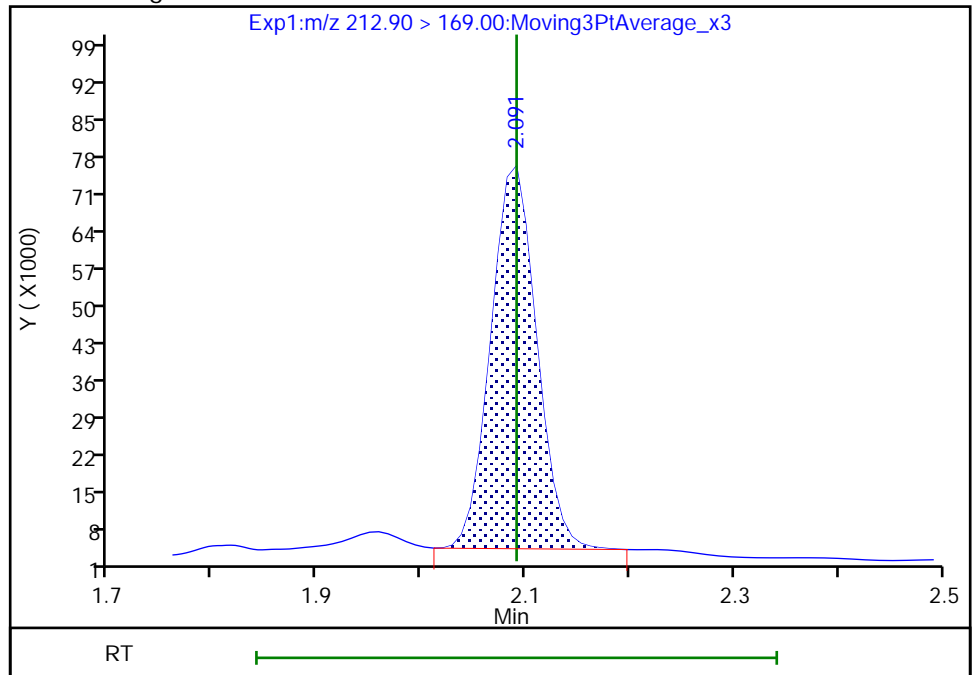
RT: 2.09  
Area: 225752  
Amount: 0.203915  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 219212  
Amount: 0.198008  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:43:37  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

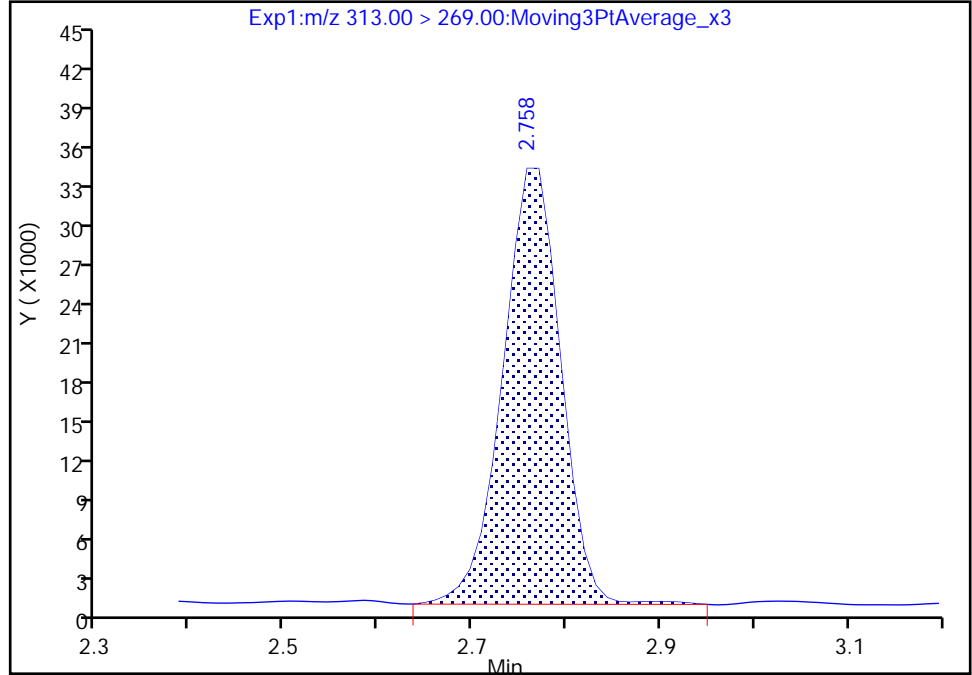
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Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

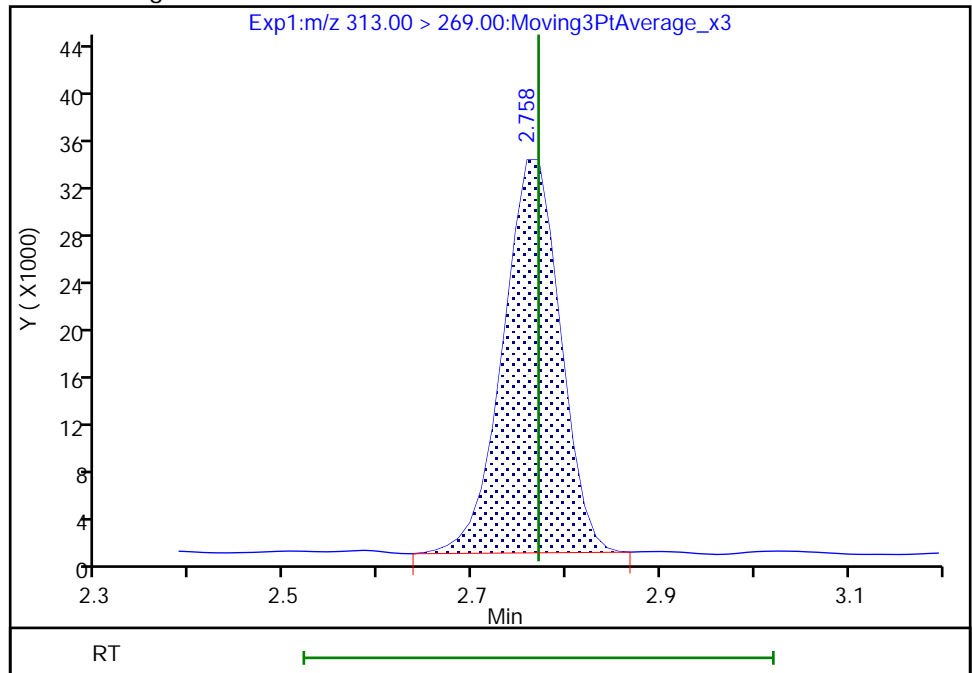
RT: 2.76  
Area: 139159  
Amount: 0.130792  
Amount Units: ng/ml

Processing Integration Results



RT: 2.76  
Area: 137389  
Amount: 0.129129  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:43:54  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

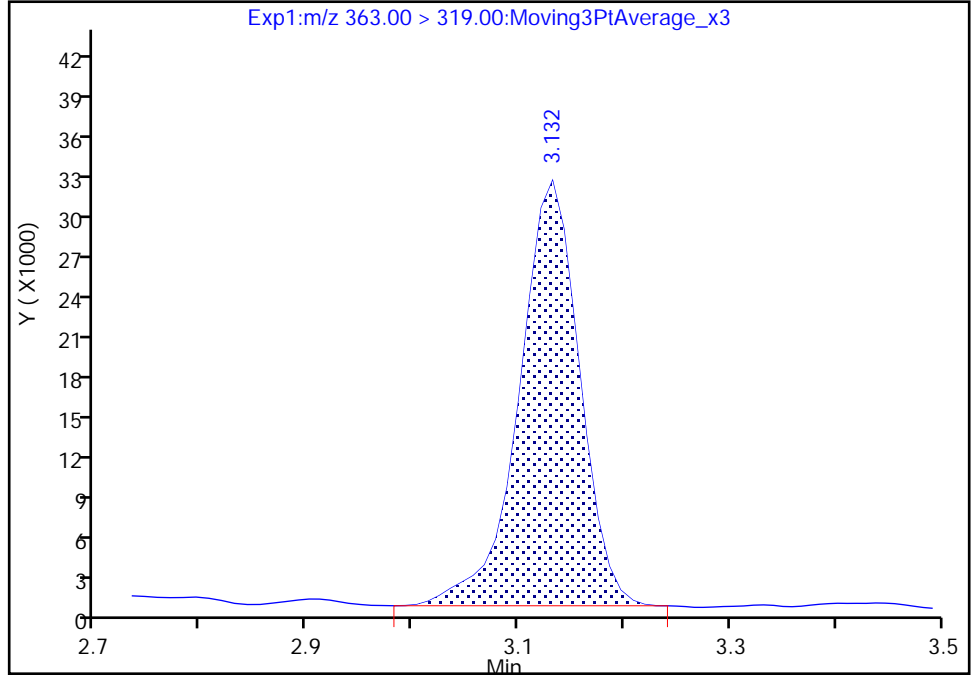
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

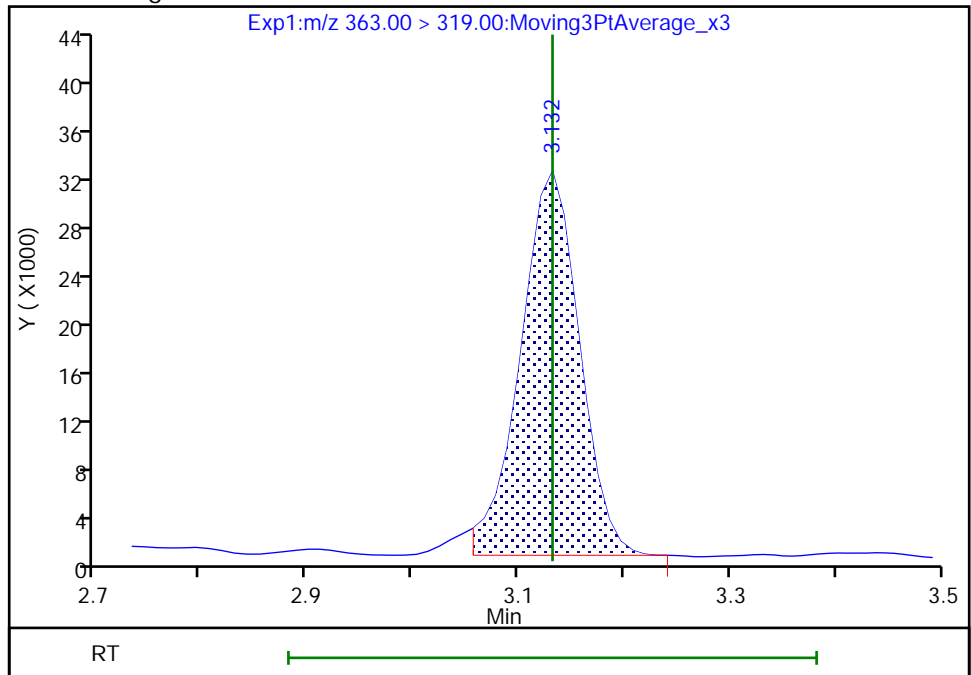
RT: 3.13  
Area: 124453  
Amount: 0.122103  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 121065  
Amount: 0.118779  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:44:13  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

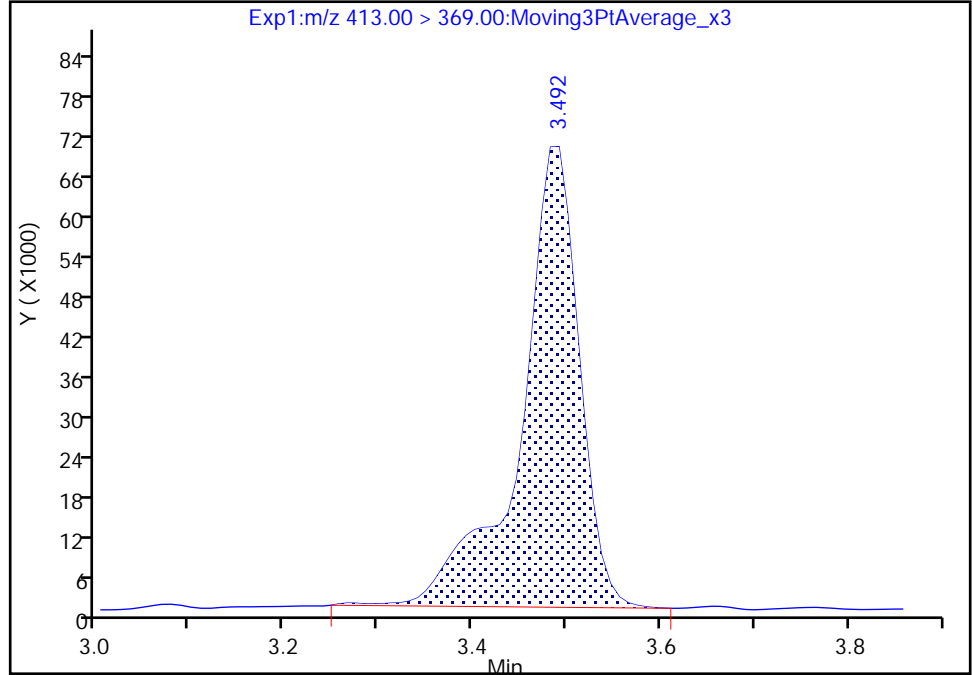
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

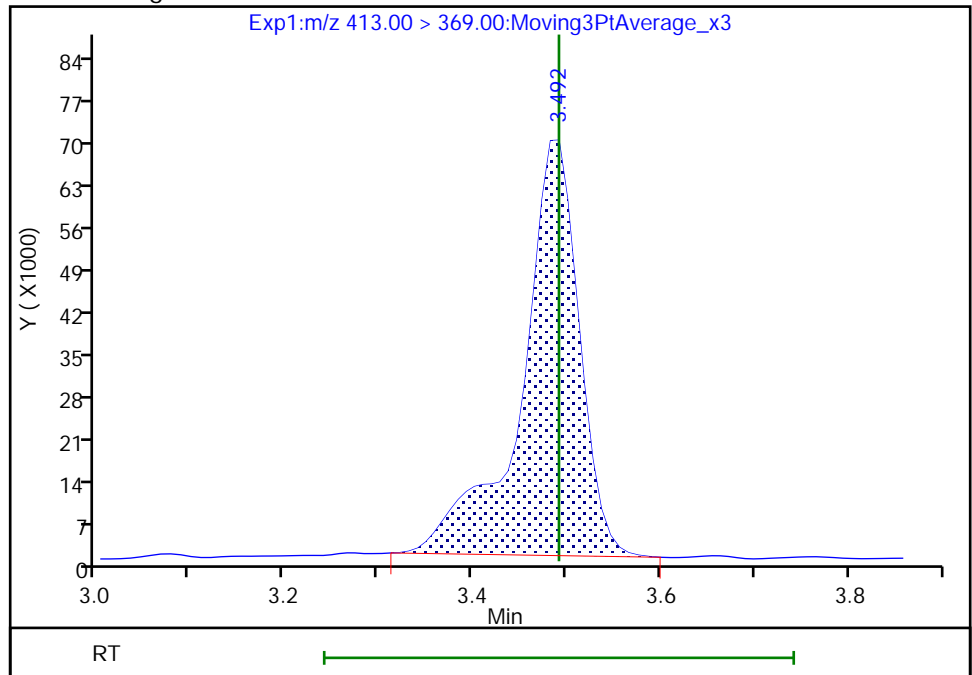
RT: 3.49  
Area: 300774  
Amount: 0.294497  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 296115  
Amount: 0.289935  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:44:36  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

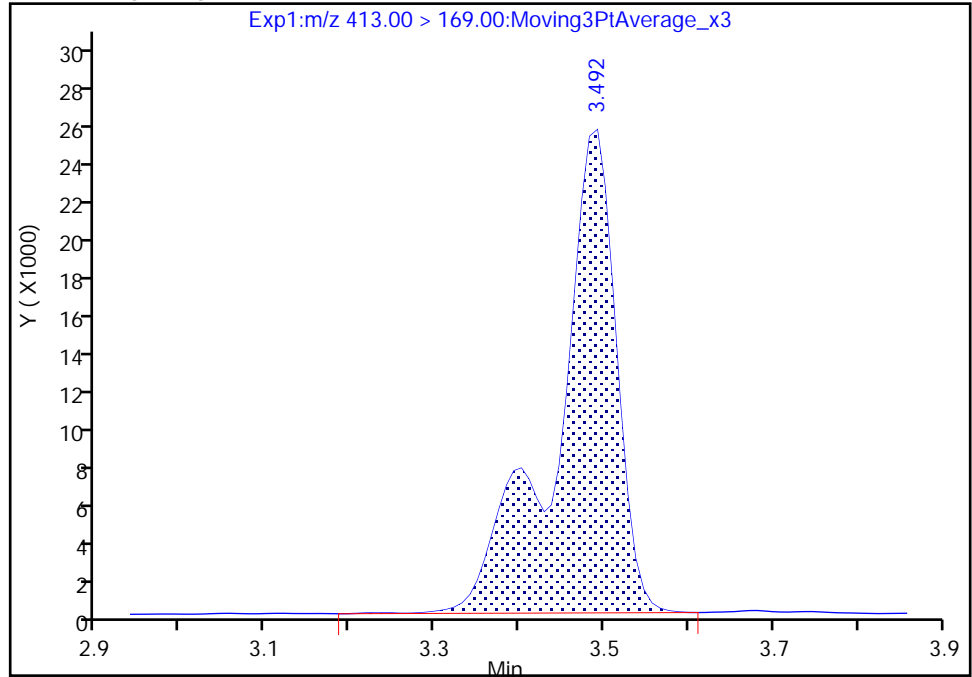
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

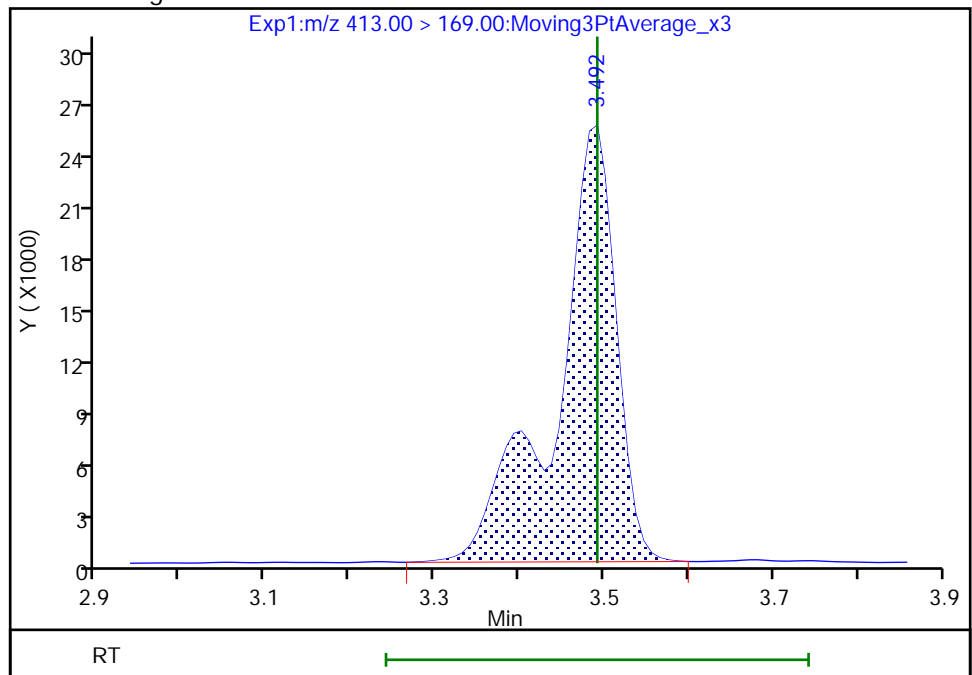
RT: 3.49  
Area: 126073  
Amount: 0.294497  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 125818  
Amount: 0.289935  
Amount Units: ng/ml

Manual Integration Results



Euofins TestAmerica, Burlington

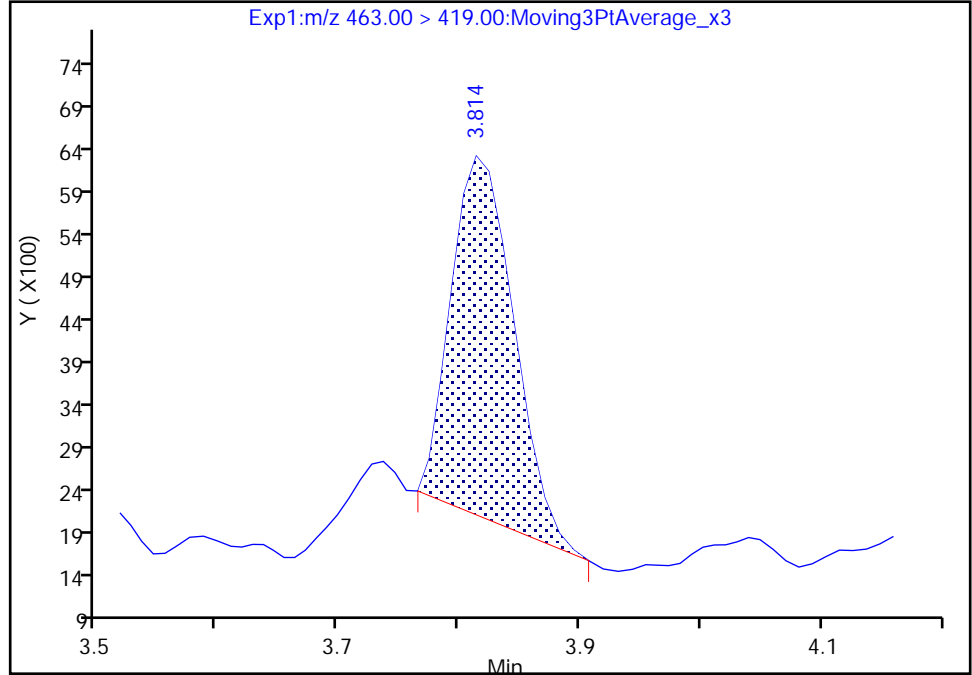
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

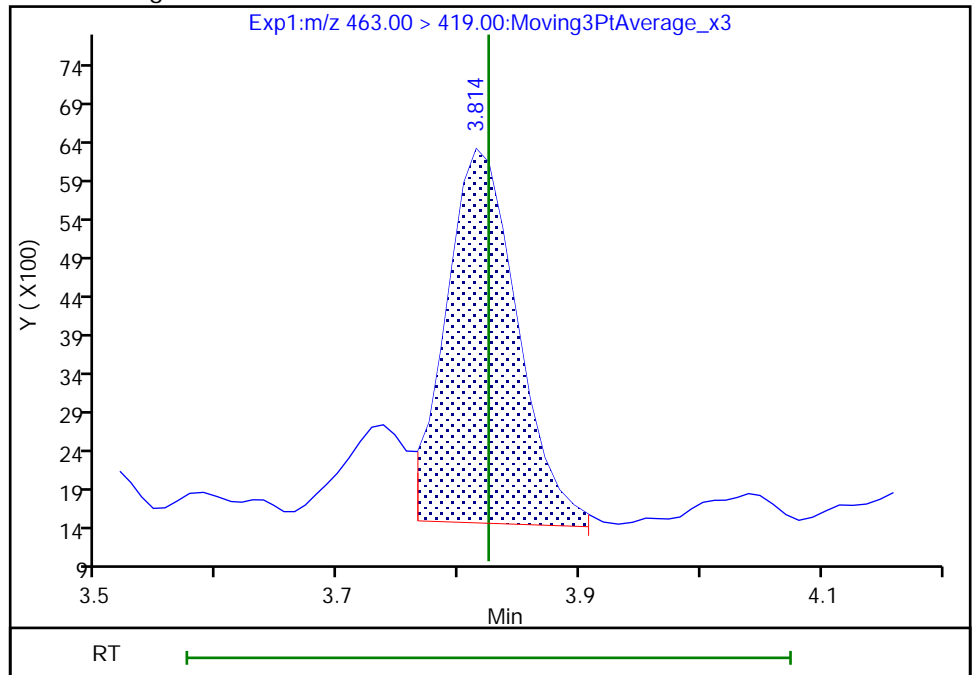
RT: 3.81  
Area: 15168  
Amount: 0.016065  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 19639  
Amount: 0.020800  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 10:09:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

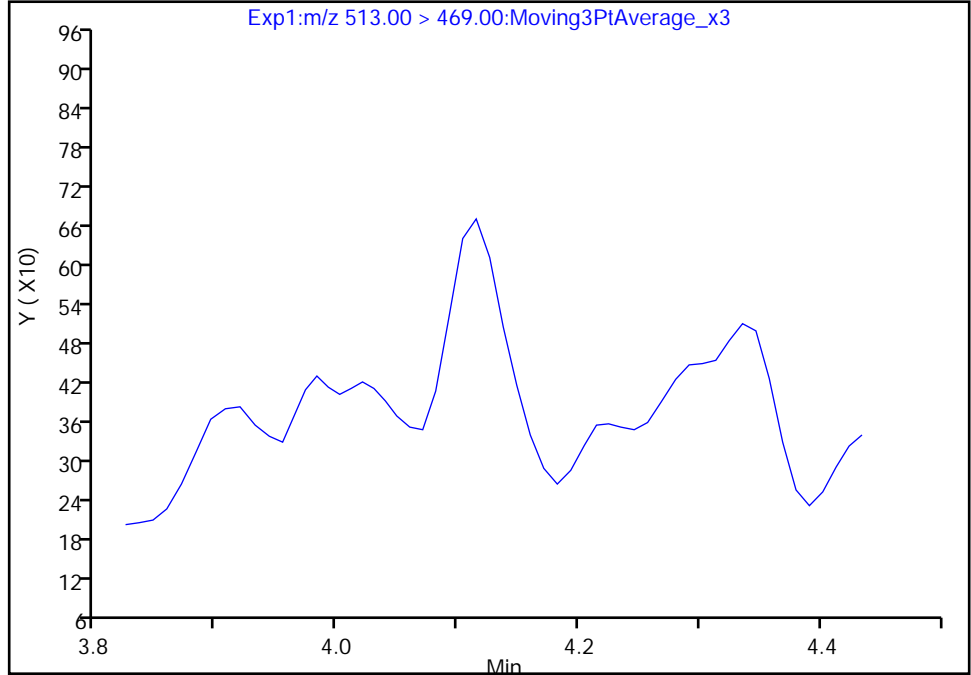
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

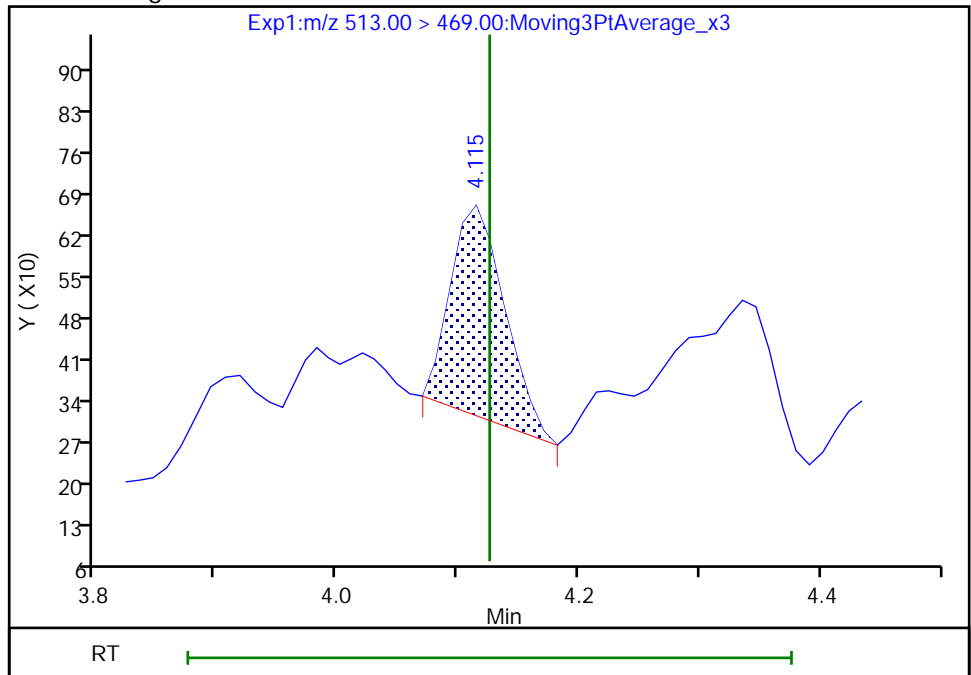
Signal: 1

Not Detected  
Expected RT: 4.13

Processing Integration Results



Manual Integration Results



RT: 4.11  
Area: 1100  
Amount: 0.001340  
Amount Units: ng/ml

Reviewer: khanphomeea, 22-Jan-2021 11:45:13  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

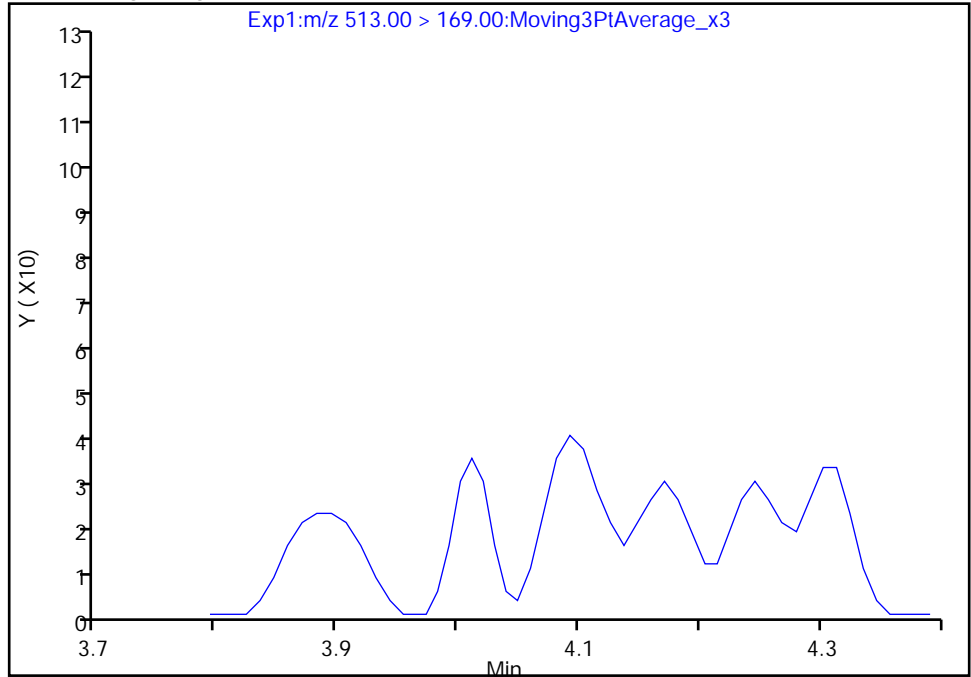
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

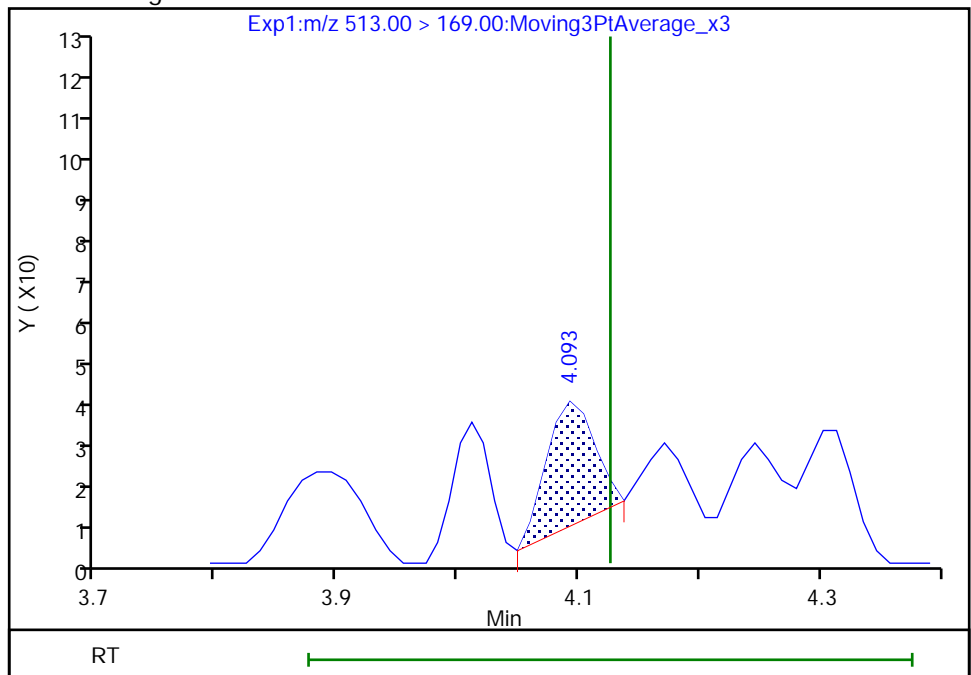
Not Detected  
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.09  
Area: 83  
Amount: 0.001340  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:45:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

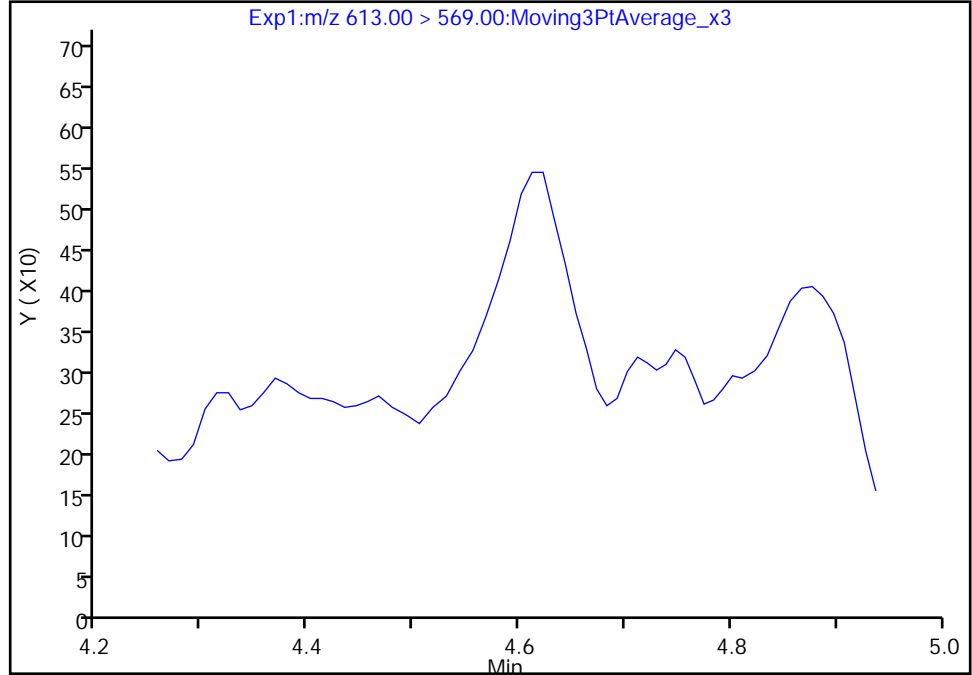
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

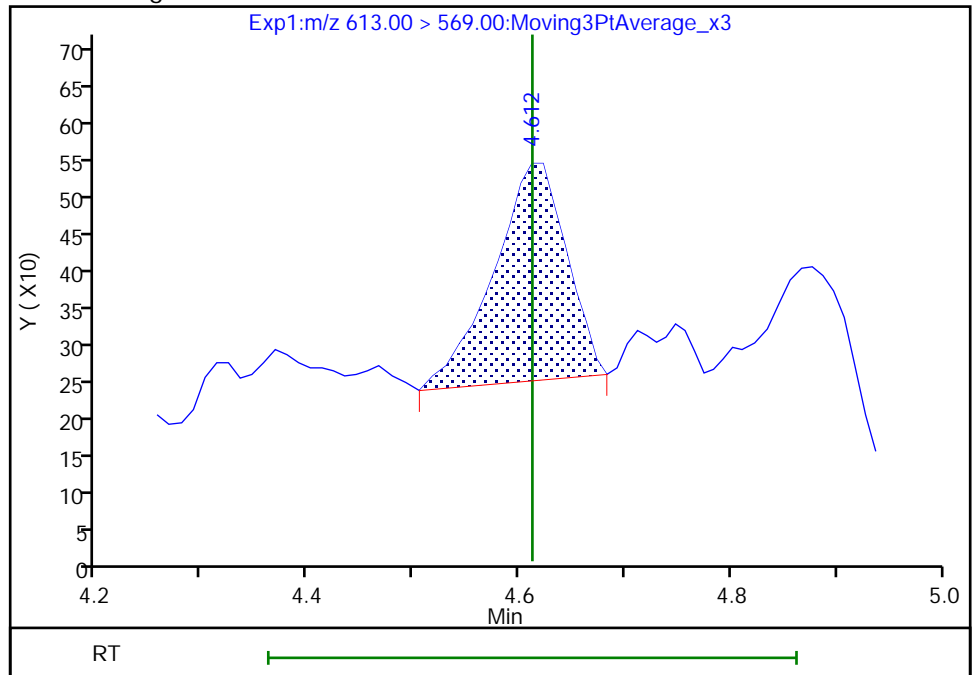
Not Detected  
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61  
Area: 1415  
Amount: 0.002232  
Amount Units: ng/ml



Reviewer: deannd, 22-Jan-2021 10:10:42  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

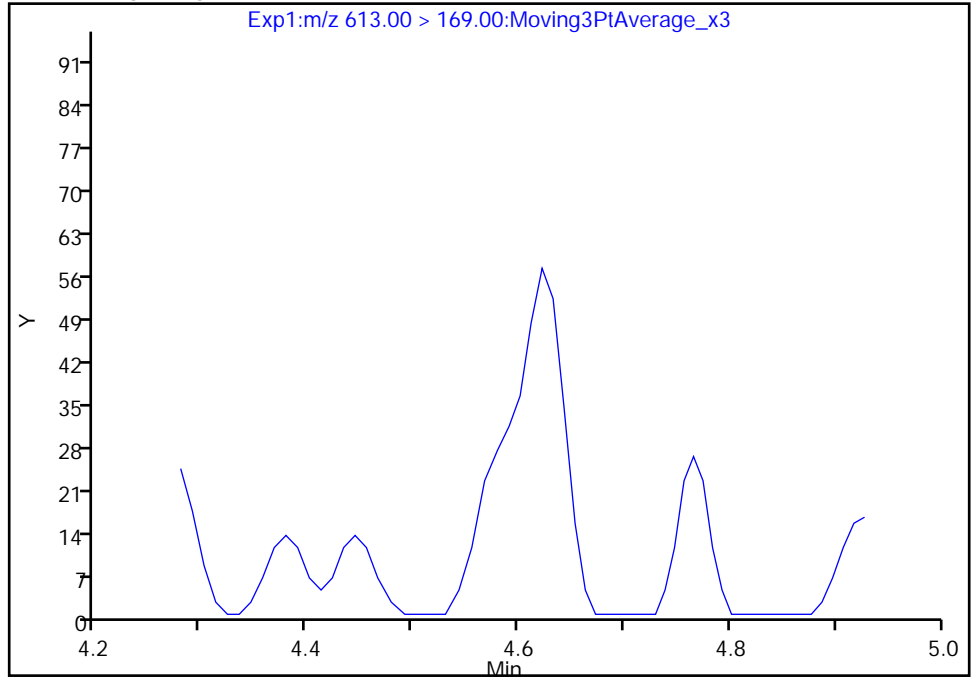
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

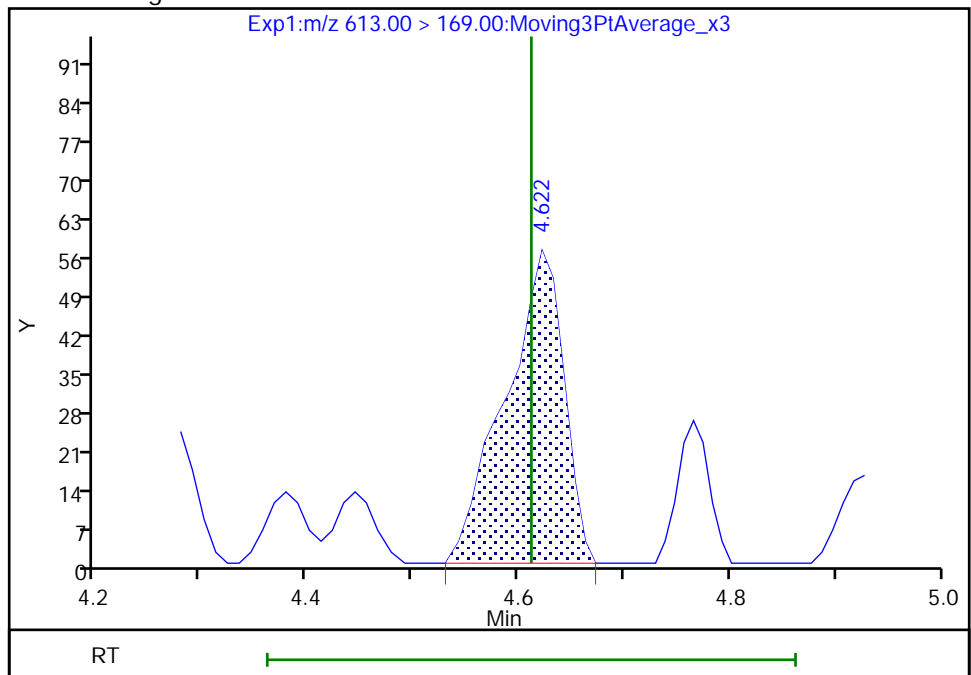
Not Detected  
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.62  
Area: 218  
Amount: 0.002232  
Amount Units: ng/ml



Reviewer: deannd, 22-Jan-2021 10:10:46

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Euofins TestAmerica, Burlington

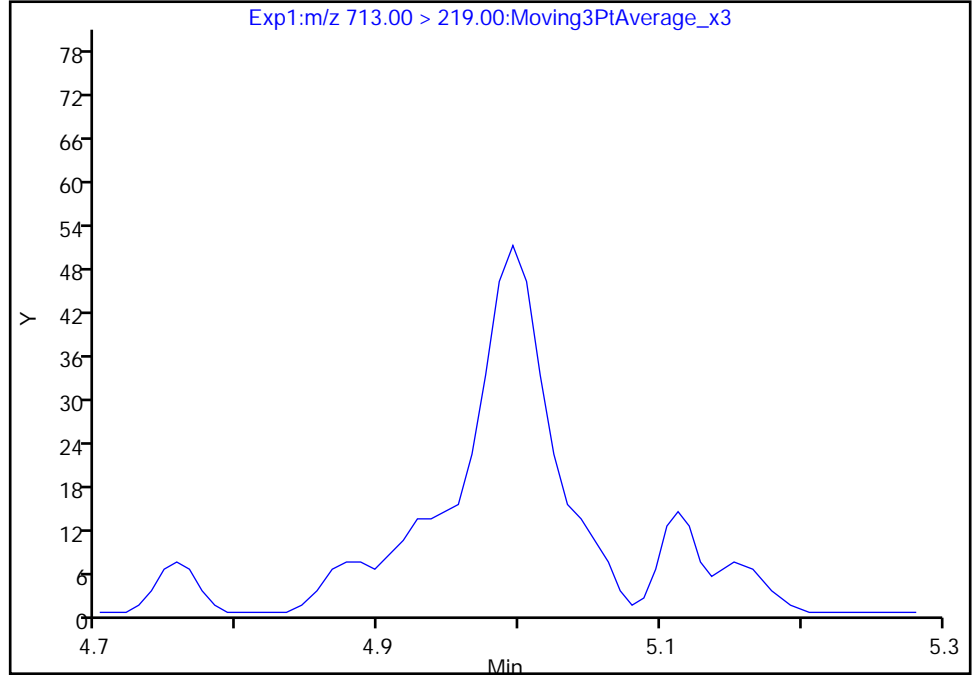
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

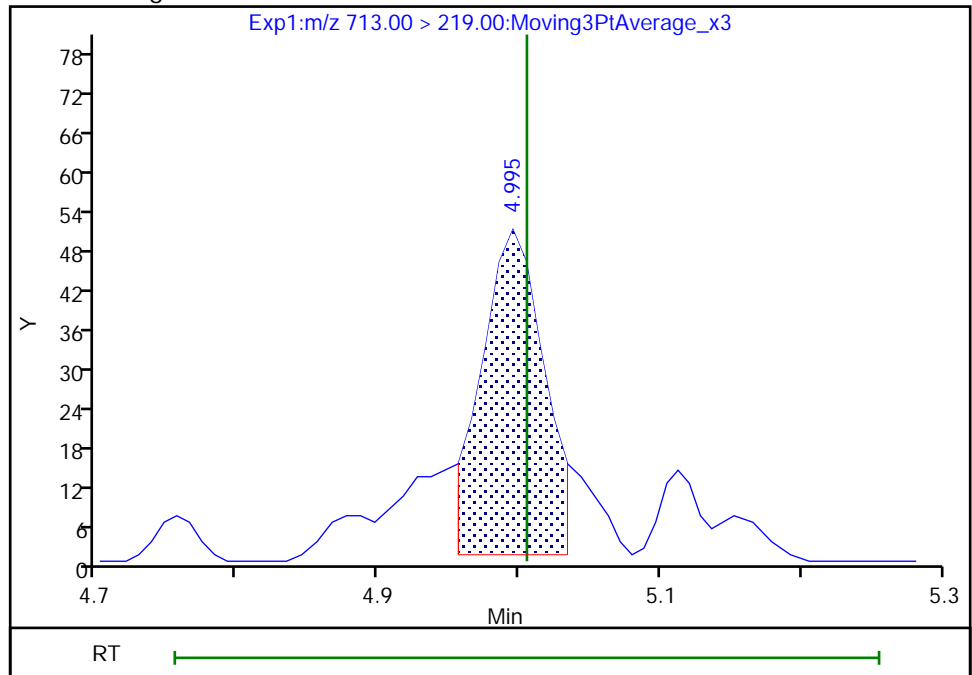
Not Detected  
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00  
Area: 151  
Amount: 0.002578  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:45:55  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

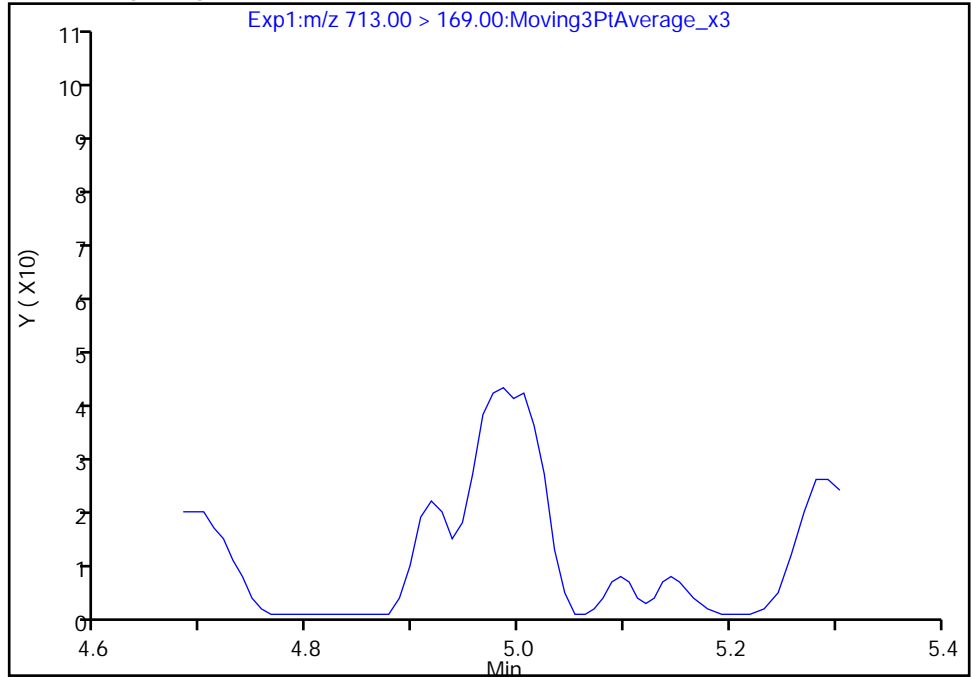
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

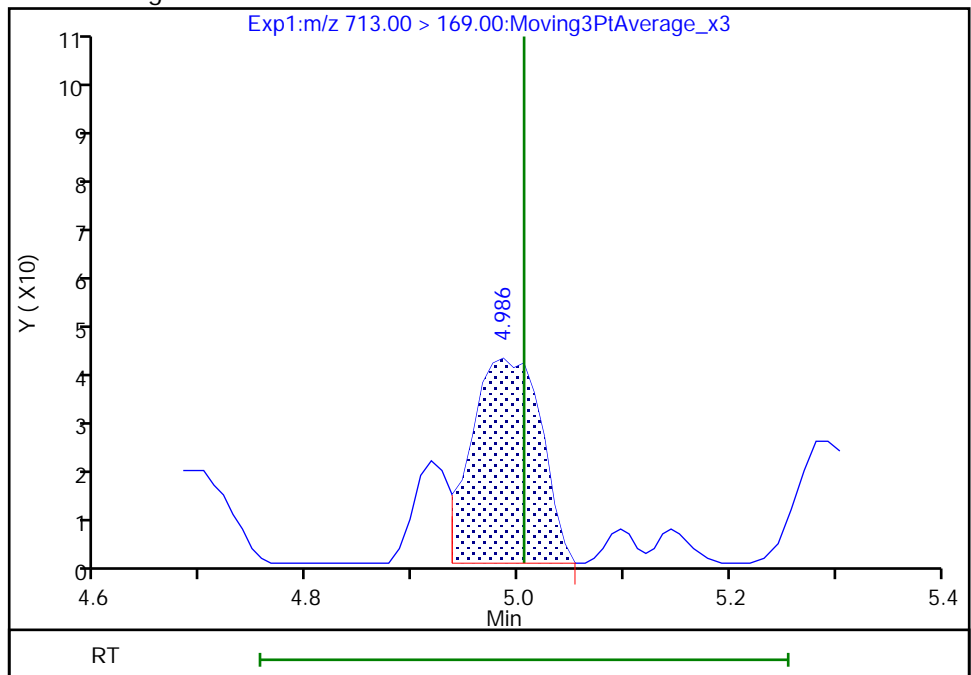
Not Detected  
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 4.99  
Area: 190  
Amount: 0.002578  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:45:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

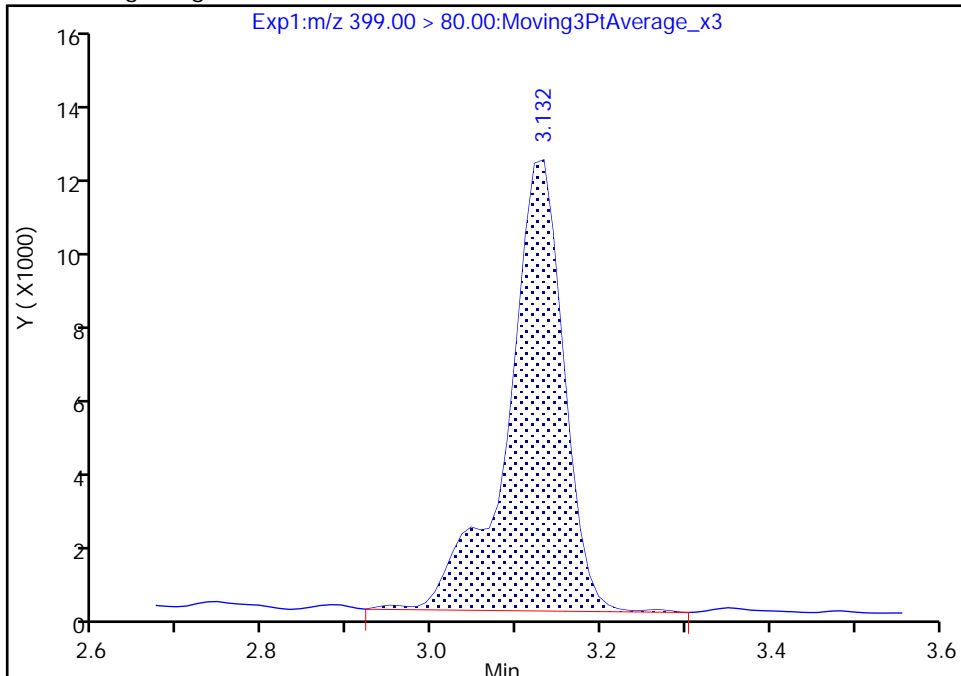
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

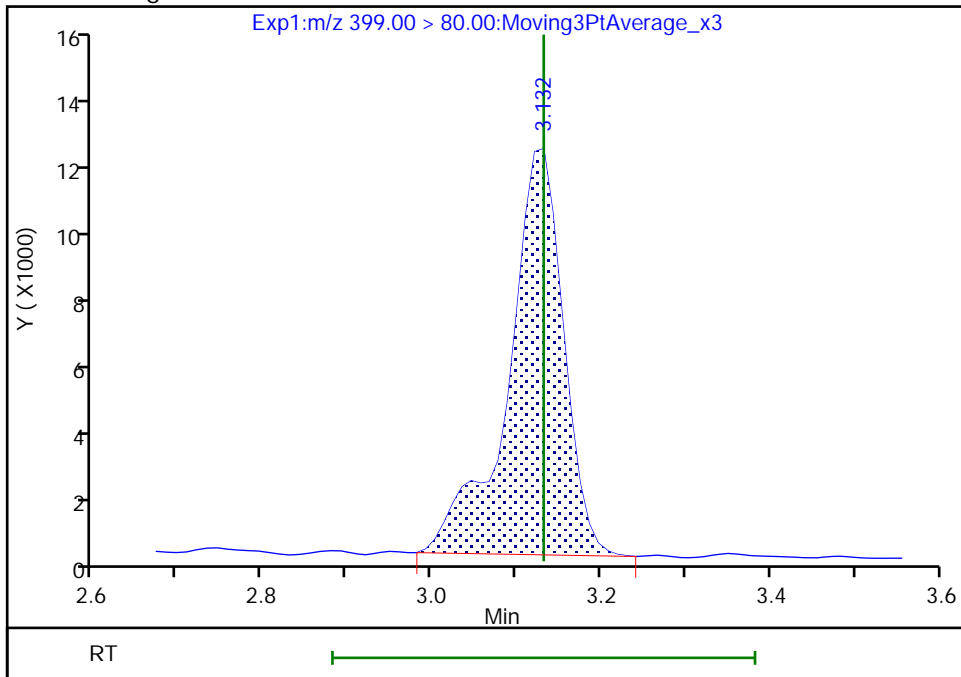
RT: 3.13  
Area: 56325  
Amount: 0.054239  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 55143  
Amount: 0.053101  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:43:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

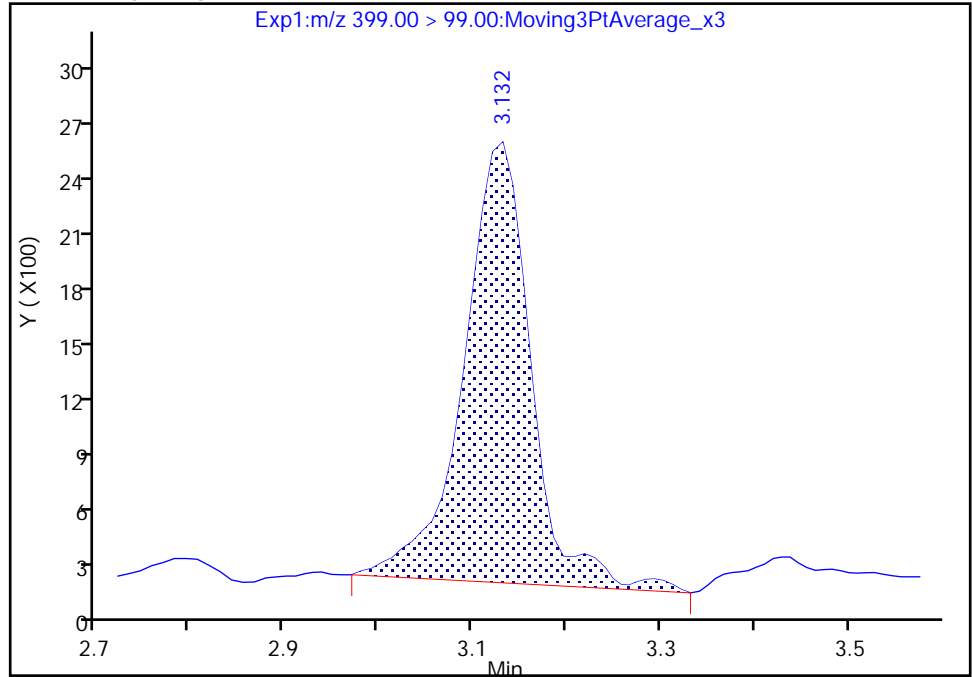
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

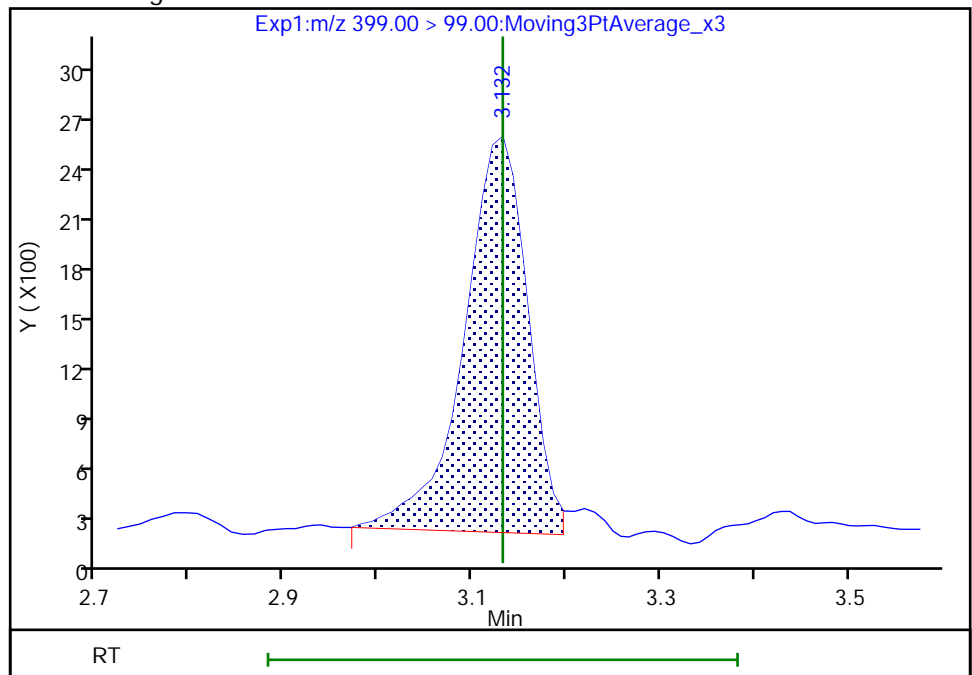
RT: 3.13  
Area: 11894  
Amount: 0.054239  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 11110  
Amount: 0.053101  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:44:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

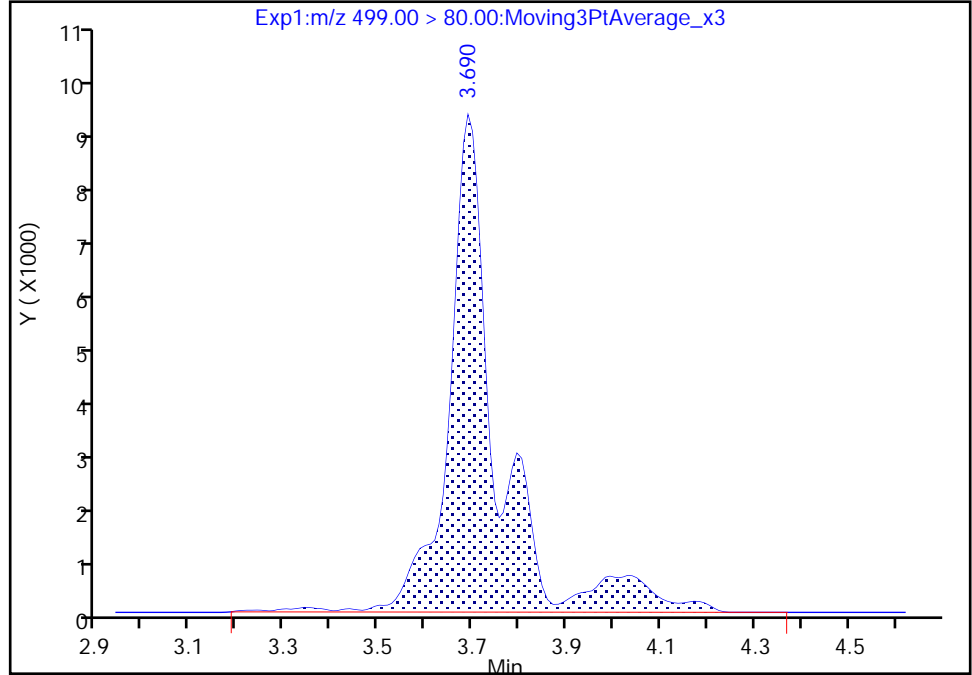
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

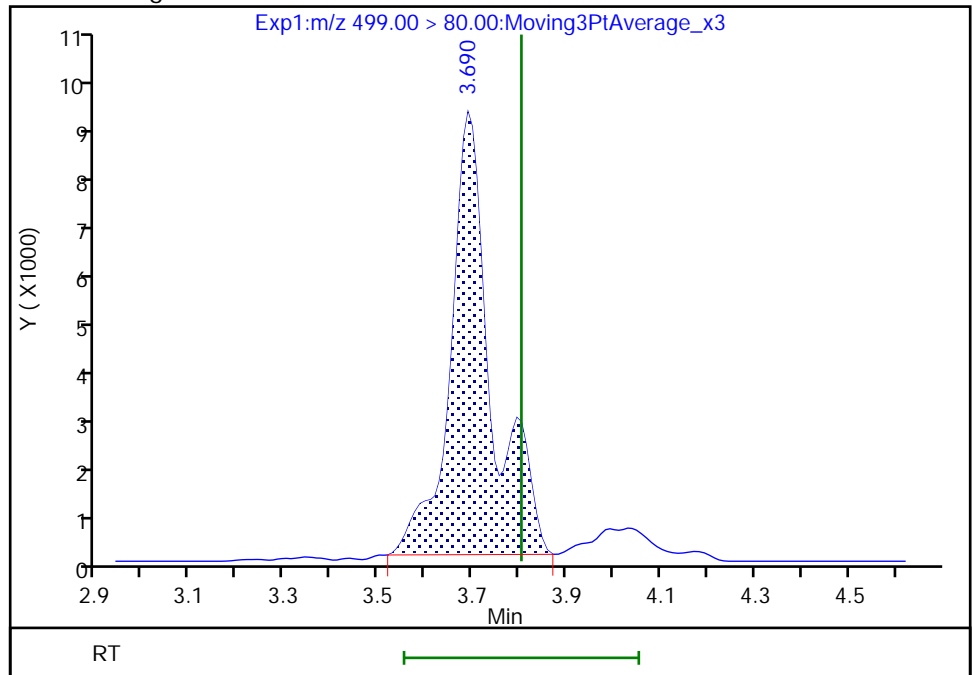
RT: 3.69  
Area: 62842  
Amount: 0.084782  
Amount Units: ng/ml

Processing Integration Results



RT: 3.69  
Area: 52330  
Amount: 0.070600  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:44:47  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

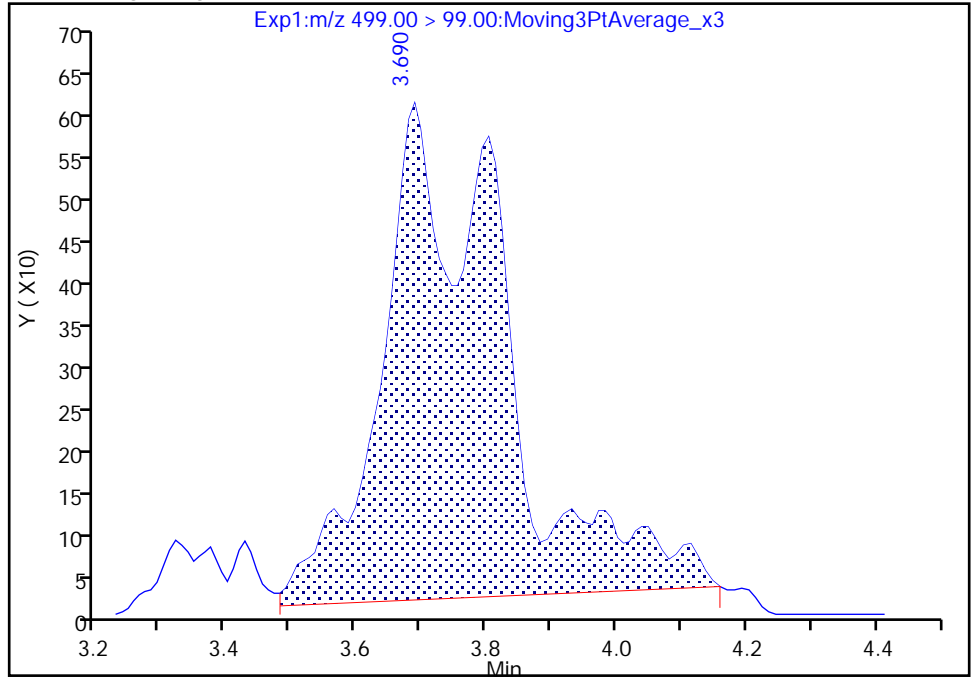
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

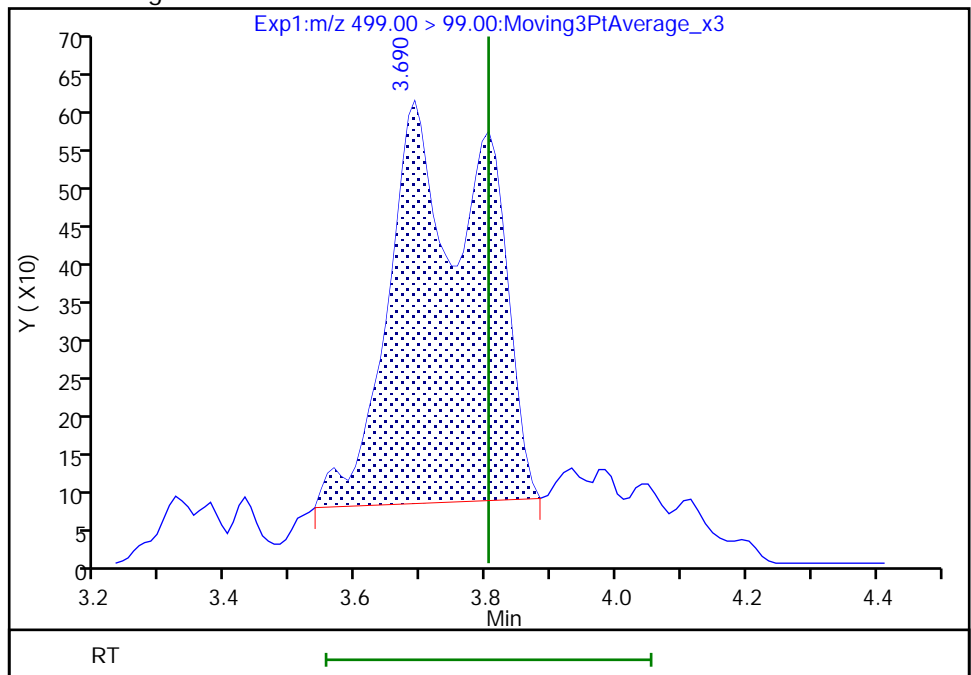
RT: 3.69  
Area: 7729  
Amount: 0.084782  
Amount Units: ng/ml

Processing Integration Results



RT: 3.69  
Area: 5278  
Amount: 0.070600  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:44:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

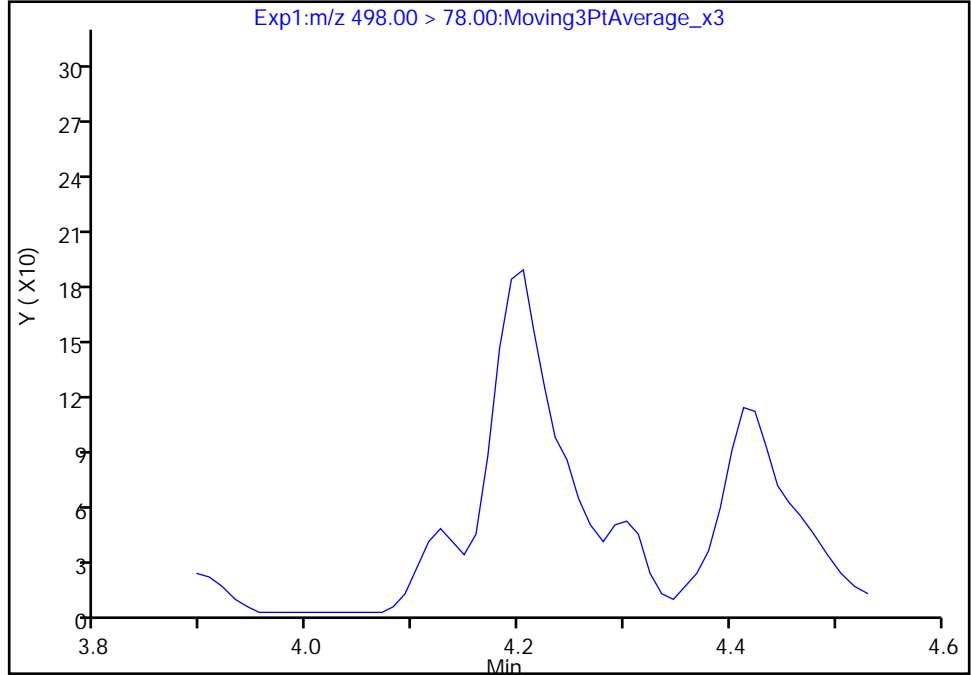
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Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

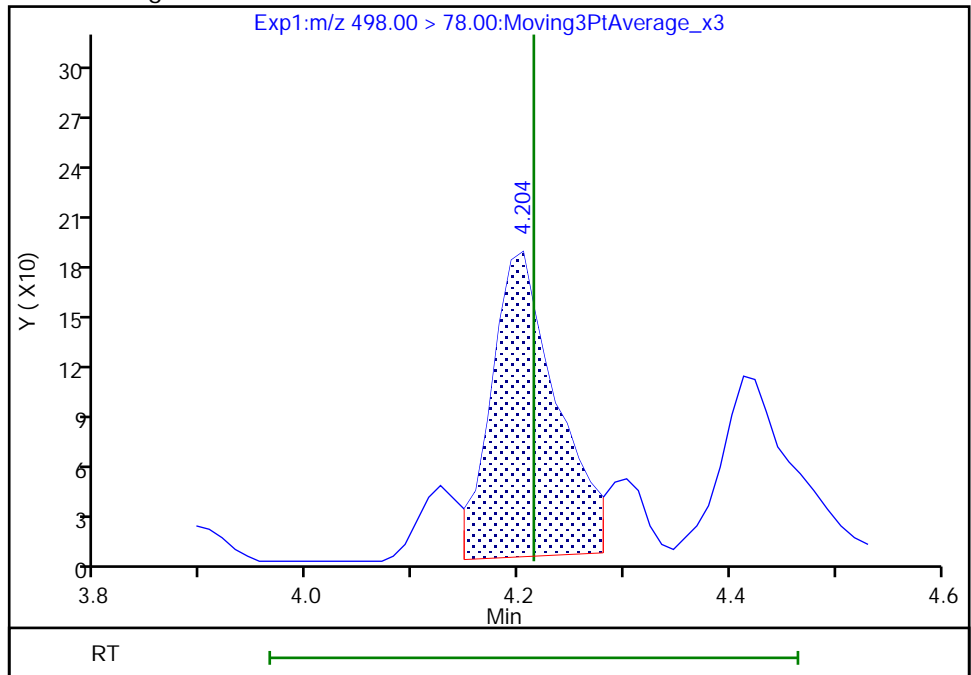
Not Detected  
Expected RT: 4.21

Processing Integration Results



Manual Integration Results

RT: 4.20  
Area: 769  
Amount: 0.000745  
Amount Units: ng/ml



Reviewer: deannd, 22-Jan-2021 10:10:13  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

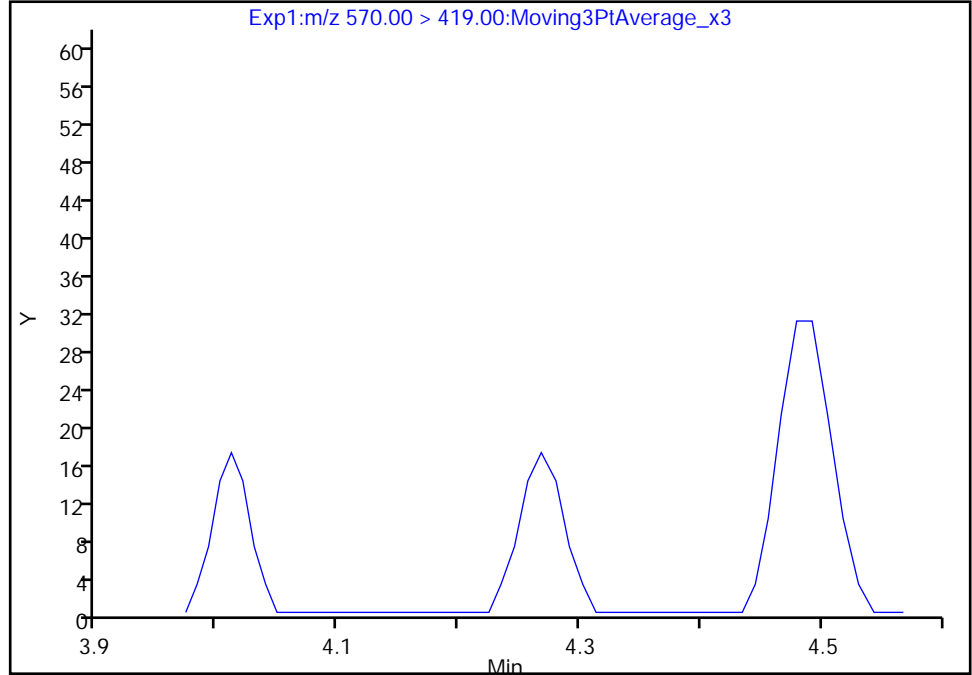
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Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

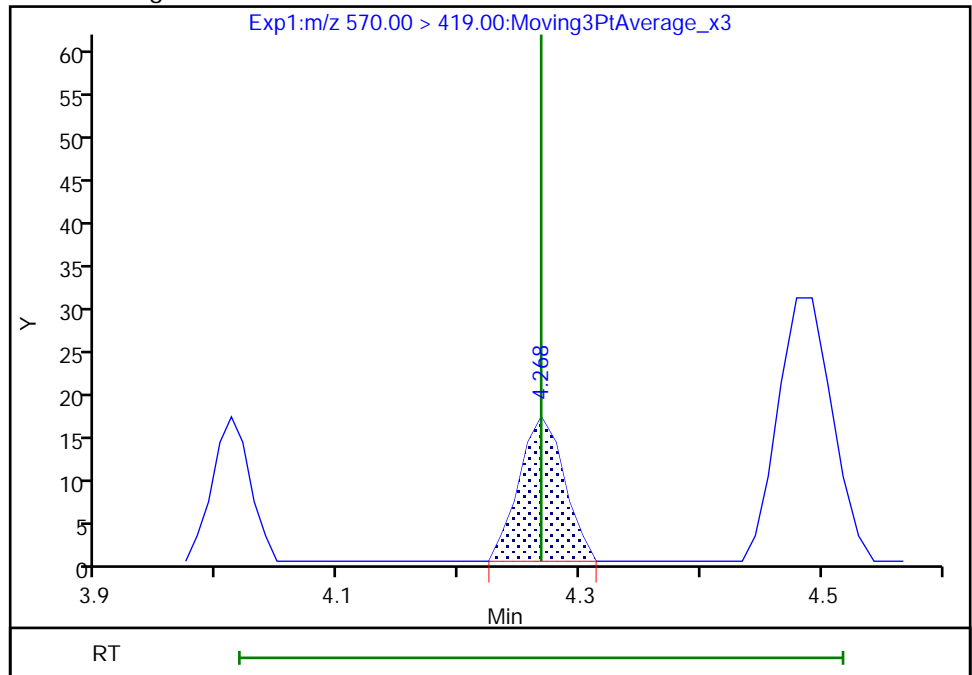
Not Detected  
Expected RT: 4.27

Processing Integration Results



RT: 4.27  
Area: 44  
Amount: 0.001028  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:45:29  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

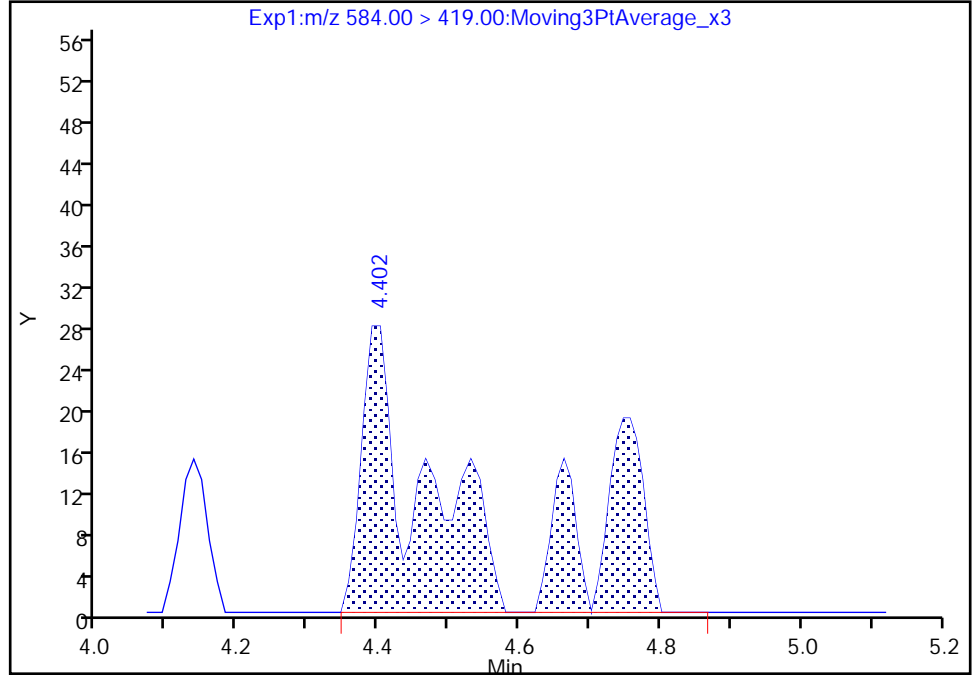
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Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

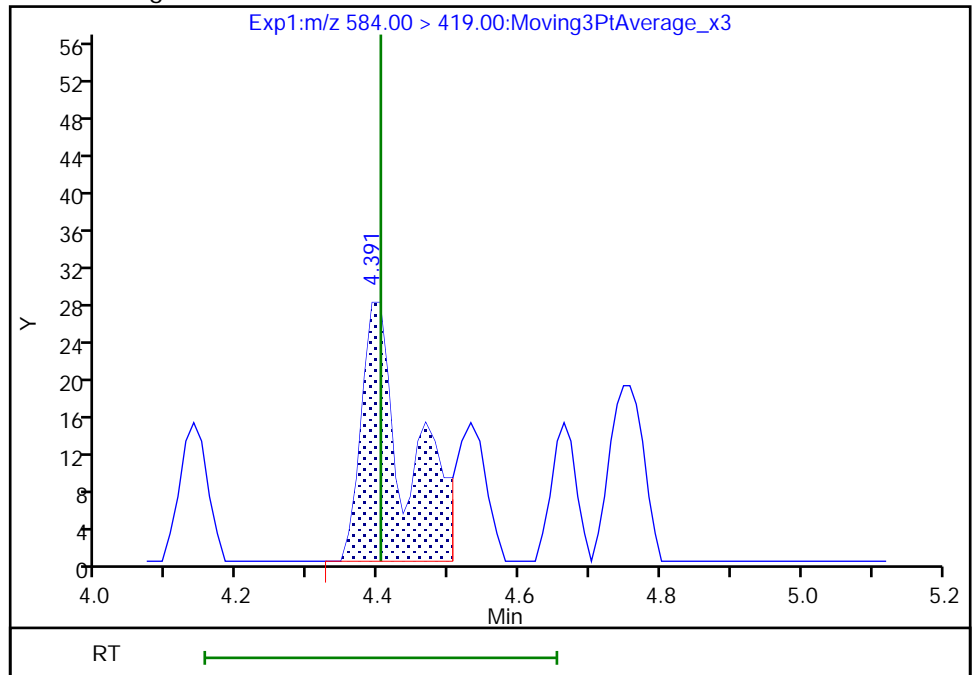
RT: 4.40  
Area: 266  
Amount: 0.006218  
Amount Units: ng/ml

Processing Integration Results



RT: 4.39  
Area: 124  
Amount: 0.002899  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 10:10:33  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

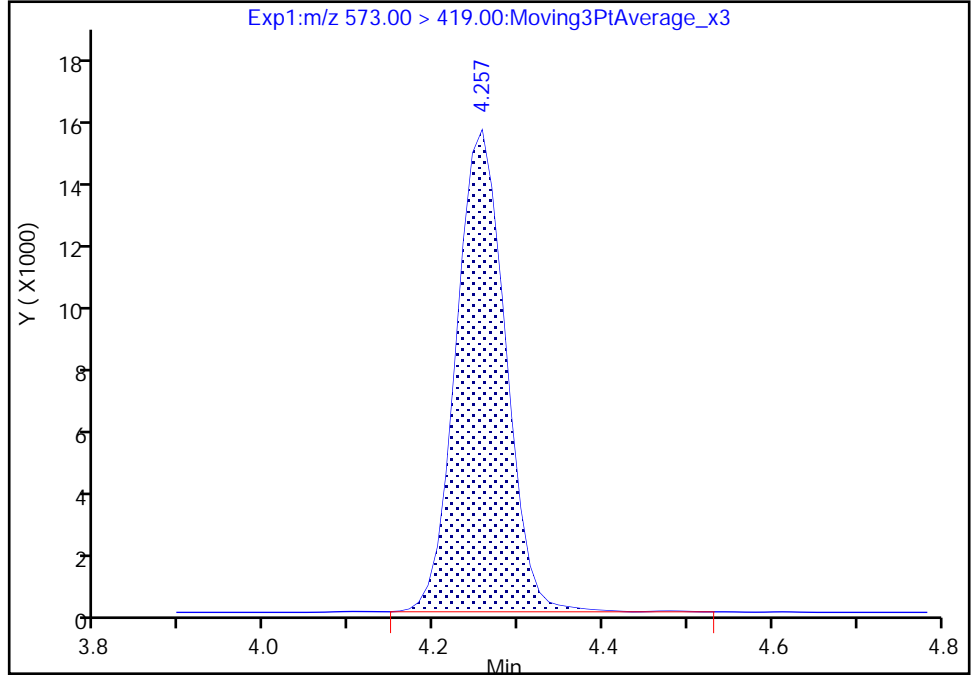
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

**D 27 d3-NMeFOSAA, CAS: STL02118**  
Signal: 1

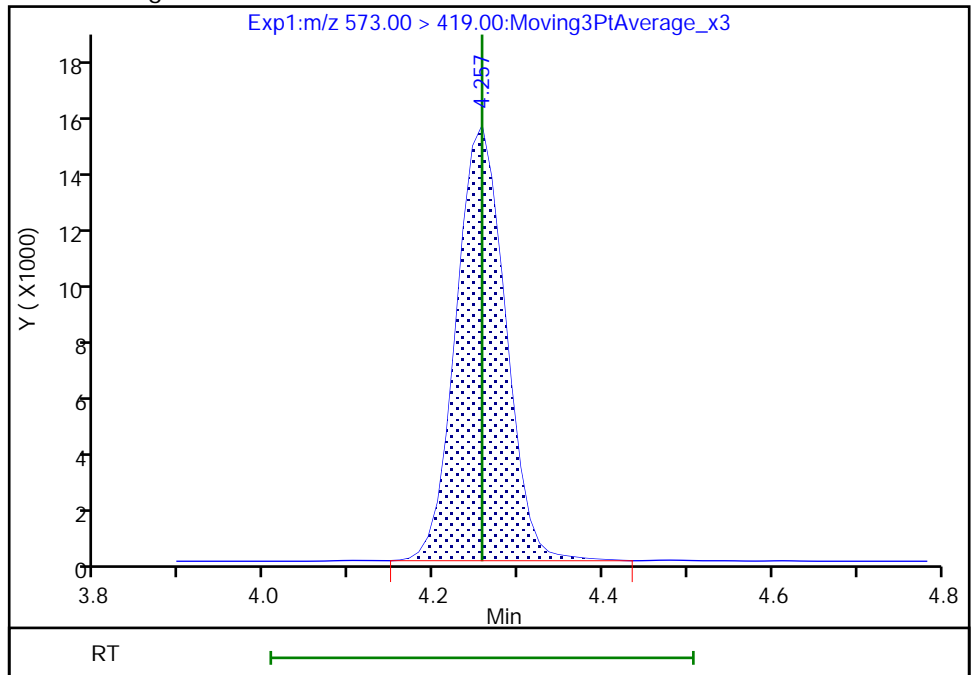
RT: 4.26  
Area: 60403  
Amount: 1.061417  
Amount Units: ng/ml

Processing Integration Results



RT: 4.26  
Area: 60355  
Amount: 1.060573  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:43:23  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

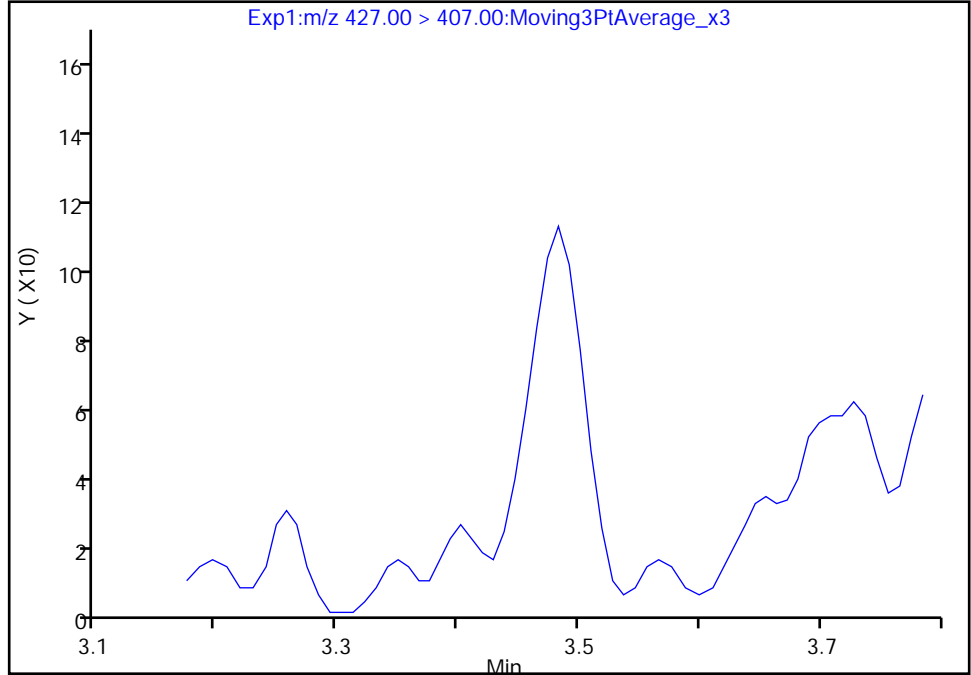
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C09.d  
Injection Date: 21-Jan-2021 22:11:13 Instrument ID: LC812  
Lims ID: 460-226624-G-4-A Lab Sample ID: 200-226624-4  
Client ID: MW-102D  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

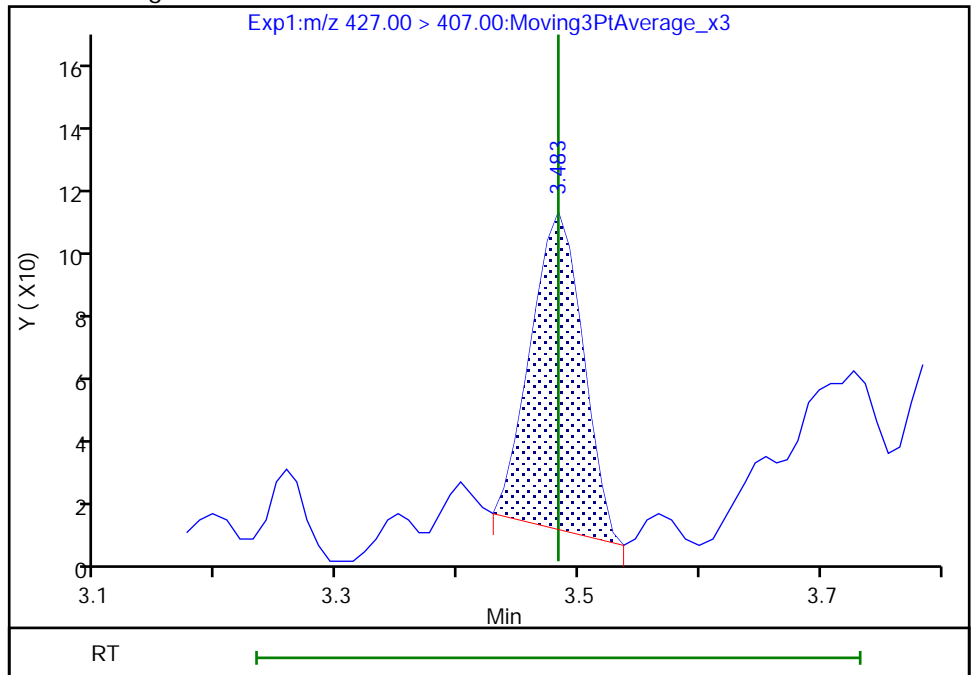
Not Detected  
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.48  
Area: 298  
Amount: 0.002310  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:44:30  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1 Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-162365/8	PA201222ICAL008.d
Level 2	IC 200-162365/9	PA201222ICAL009.d
Level 3	IC 200-162365/10	PA201222ICAL010.d
Level 4	ICIS 200-162365/11	PA201222ICAL011.d
Level 5	IC 200-162365/12	PA201222ICAL012.d
Level 6	IC 200-162365/13	PA201222ICAL013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid (PFBA)	1.2189 0.9212	1.0687	0.9486	0.9302	0.9245	AveID		1.0020			12.0		35.0				
Perfluoropentanoic acid (PFPeA)	1.2359 1.0381	1.2067	1.0701	1.0593	1.0336	AveID		1.1073			8.1		35.0				
Perfluorobutanesulfonic acid (PFBS)	1.2430 1.0810	1.2027	1.1143	1.0713	1.0755	AveID		1.1313			6.5		35.0				
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	2.1097 1.7815	1.7396	1.8012	1.7853	1.7852	AveID		1.8337			7.5		50.0				
Perfluorohexanoic acid (PFHxA)	1.2889 1.0559	1.0893	1.0241	1.0681	1.0283	AveID		1.0924			9.1		35.0				
Perfluoropentanesulfonic acid	1.3317 1.2762	1.3900	1.3228	1.3125	1.2408	AveID		1.3123			3.9		50.0				
HFPO-DA	1.6029 1.5130	1.4395	1.2239	1.2678	1.2653	AveID		1.3854			11.2		35.0				
Perfluorohexanesulfonic acid (PFHxS)	1.3163 1.0823	1.2845	1.1737	1.1347	1.0794	AveID		1.1785			8.6		35.0				
Perfluoroheptanoic acid (PFHpA)	1.1499 1.0050	1.2248	1.0199	1.0649	1.0888	AveID		1.0922			7.6		35.0				
DONA	3.5199 3.1986	3.4097	3.3571	3.1992	3.4069	AveID		3.3485			3.8		50.0				
Perfluoroheptanesulfonic Acid (PFHpS)	1.4516 1.2663	1.4209	1.3827	1.2969	1.2825	AveID		1.3502			5.8		50.0				
6:2 FTS	1.1353 1.1108	1.0938	1.0521	1.1805	1.1016	AveID		1.1123			3.9		35.0				
Perfluorooctanoic acid (PFOA)	1.1405 1.0797	1.1163	1.0725	1.0647	1.0301	AveID		1.0840			3.6		35.0				
Perfluorooctanesulfonic acid (PFOS)	1.2730 1.0861	1.2252	1.1557	1.0760	1.0845	AveID		1.1501			7.2		35.0				
Perfluorononanoic acid (PFNA)	1.2720 1.0506	1.1314	1.0797	1.0688	1.0387	AveID		1.1069			7.9		35.0				

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1 Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.3764 1.2216	1.2415	1.2991	1.2610	1.2996	AveID		1.2832			4.3		50.0				
Perfluorononanesulfonic acid	0.9575 0.8062	0.9122	0.8952	0.7667	0.8107	AveID		0.8581			8.6		50.0				
Perfluorodecanoic acid (PFDA)	1.0684 1.0125	1.0468	1.0595	1.0466	0.9494	AveID		1.0305			4.3		35.0				
8:2 FTS	0.6644 0.6523	0.7808	0.6633	0.6388	0.6810	AveID		0.6801			7.5		35.0				
Perfluorooctanesulfonamide (FOSA)	0.9663 0.9744	1.0478	0.9946	0.9970	1.0328	AveID		1.0021			3.2		35.0				
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.8884 0.9227	0.9333	0.7706	0.9010	0.9023	AveID		0.8864			6.7		35.0				
Perfluorodecanesulfonic acid (PFDS)	0.7308 0.6500	0.6951	0.6680	0.6763	0.6843	AveID		0.6841			4.0		50.0				
Perfluoroundecanoic acid (PFUnA)	0.9653 0.9963	1.0681	1.0534	1.0365	0.9995	AveID		1.0198			3.8		35.0				
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	1.0840 0.8490	0.9020	0.8715	0.8865	0.9612	AveID		0.9257			9.3		35.0				
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid	1.3680 1.2897	1.3189	1.3742	1.3366	1.3013	AveID		1.3315			2.6		50.0				
Perfluorododecanoic acid (PFDoA)	1.1939 1.0908	1.1709	1.0287	1.0643	1.0505	AveID		1.0999			6.1		35.0				
10:2 FTS	0.2963 0.3499	0.3593	0.3884	0.3534	0.3536	AveID		0.3501			8.5		50.0				
Perfluorododecanesulfonic acid (PFDoS)	0.3056 0.2278	0.2625	0.2486	0.2372	0.2284	AveID		0.2517			11.7		50.0				
Perfluorotridecanoic acid (PFTriA)	0.9603 0.8509	0.9077	0.8822	0.8740	0.8804	AveID		0.8926			4.2		50.0				
Perfluorotetradecanoic acid (PFTeA)	0.2058 0.1744	0.1755	0.1790	0.1993	0.1787	AveID		0.1855			7.3		35.0				
Perfluoro-n-hexadecanoic acid (PFHxDA)	1.1808 0.9325	1.0946	0.9853	0.9326	0.9374	LlID	0.0142	0.9312						1.0000		0.9900	
Perfluoro-n-octadecanoic acid (PFODA)	0.9585 0.9072	0.8914	0.8714	0.8948	0.8753	AveID		0.8998			3.5		50.0				
13C4 PFBA	1.3516 1.4010	1.2562	1.3934	1.3322	1.3257	Ave		1.3433			3.9		30.0				
13C5 PFPeA	1.0050 0.9950	0.9334	0.9917	0.9482	0.9528	Ave		0.9710			3.1		30.0				
13C3 PFBS	1.2595 1.3474	1.2450	1.2928	1.2842	1.2377	Ave		1.2778			3.2		30.0				

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



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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1 Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
M2-4:2 FTS	0.1068 0.1107	0.1097	0.1066	0.1039	0.1020	Ave		0.1066			3.1		30.0				
13C2 PFHxA	1.0392 1.0173	0.9943	1.0464	1.0067	1.0023	Ave		1.0177			2.1		30.0				
13C3 HFPO-DA	0.1775 0.1641	0.1678	0.2001	0.1881	0.1776	Ave		0.1792			7.4		30.0				
18O2 PFHxS	0.9945 0.9952	0.9157	0.9459	0.9138	0.9414	Ave		0.9511			3.8		30.0				
13C4 PFHpA	0.9758 1.0180	0.9235	1.0338	0.9550	0.9390	Ave		0.9742			4.5		30.0				
M2-6:2 FTS	0.1210 0.1191	0.1173	0.1250	0.1147	0.1152	Ave		0.1187			3.3		30.0				
13C4 PFOA	1.0167 0.9862	0.9977	0.9929	0.9770	0.9669	Ave		0.9896			1.7		30.0				
13C4 PFOS	0.6612 0.6787	0.6466	0.6579	0.6518	0.6206	Ave		0.6528			2.9		30.0				
13C5 PFNA	0.9008 0.8670	0.8743	0.8943	0.8543	0.8475	Ave		0.8730			2.4		30.0				
13C2 PFDA	0.8480 0.8214	0.8392	0.8359	0.8118	0.8517	Ave		0.8346			1.8		30.0				
M2-8:2 FTS	0.1285 0.1295	0.1188	0.1212	0.1180	0.1188	Ave		0.1225			4.2		30.0				
13C8 FOSA	1.2313 1.3053	1.2240	1.2319	1.2023	1.1664	Ave		1.2269			3.7		30.0				
d3-NMeFOSAA	0.0571 0.0621	0.0633	0.0629	0.0593	0.0586	Ave		0.0605			4.3		30.0				
13C2 PFUnA	0.7235 0.6928	0.6824	0.6717	0.6694	0.6738	Ave		0.6856			3.0		30.0				
d5-NEtFOSAA	0.0562 0.0615	0.0603	0.0604	0.0567	0.0560	Ave		0.0585			4.2		30.0				
13C2 PFDoA	0.7321 0.7422	0.7045	0.7438	0.7209	0.6991	Ave		0.7238			2.6		30.0				
13C2 PFTeDA	0.5271 0.5540	0.5419	0.5559	0.5063	0.5266	Ave		0.5353			3.5		30.0				
13C2 PFHxDA	0.5646 0.5903	0.5755	0.5757	0.5580	0.5667	Ave		0.5718			2.0		30.0				

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1 Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-162365/8	PA201222ICAL008.d
Level 2	IC 200-162365/9	PA201222ICAL009.d
Level 3	IC 200-162365/10	PA201222ICAL010.d
Level 4	ICIS 200-162365/11	PA201222ICAL011.d
Level 5	IC 200-162365/12	PA201222ICAL012.d
Level 6	IC 200-162365/13	PA201222ICAL013.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid (PFBA)		AveID	57629 8790651	118541	456581	881958	2187518	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanoic acid (PFPeA)		AveID	43447 7036279	99455	366588	714864	1757757	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorobutanesulfonic acid (PFBS)		AveID	48410 8770776	116878	439919	865582	2100213	0.0442 8.84	0.0884	0.442	0.884	2.21
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)		AveID	7359 1254443	15740	61951	123314	303490	0.0467 9.34	0.0934	0.467	0.934	2.34
Perfluorohexanoic acid (PFHxA)		AveID	46854 7316861	95637	370199	765249	1839714	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanesulfonic acid		AveID	43453 8114898	105420	405410	800668	1955608	0.0469 9.38	0.0938	0.469	0.938	2.35
HFPO-DA		AveID	9952 1690983	21331	84587	169678	401085	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorohexanesulfonic acid (PFHxS)		AveID	41668 6676661	94508	348983	671571	1650425	0.0455 9.10	0.0910	0.455	0.910	2.28
Perfluoroheptanoic acid (PFHpA)		AveID	39251 6968995	99874	364247	723792	1824848	0.0500 10.0	0.100	0.500	1.00	2.50
DONA		AveID	76688 13928638	183369	718739	1397912	3554808	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluoroheptanesulfonic Acid (PFHpS)		AveID	31963 5572962	77228	299175	572696	1352437	0.0476 9.52	0.0952	0.476	0.952	2.38
6:2 FTS		AveID	4554 854196	10738	43065	91369	214702	0.0474 9.48	0.0948	0.474	0.948	2.37
Perfluorooctanoic acid (PFOA)		AveID	40563 7252703	98345	367859	740338	1777820	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveID	27324 4659375	64913	243758	463174	1114751	0.0464 9.28	0.0928	0.464	0.928	2.32
Perfluorononanoic acid (PFNA)		AveID	40080	87340	333548	649860	1571226	0.0500	0.100	0.500	1.00	2.50

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

Lab Name: Eurofins TestAmerica, Burlington      Job No.: 460-226624-1      Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812      GC Column: C-18      ID: 4.6 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48      Calibration End Date: 12/22/2020 13:29      Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			6204125					10.0				
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		AveID	29669	66060	275177	545155	1341633	0.0466	0.0932	0.466	0.932	2.33
			5263362					9.32				
Perfluorononanesulfonic acid		AveID	21260	49994	195317	341392	862047	0.0480	0.0960	0.480	0.960	2.40
			3577811					9.60				
Perfluorodecanoic acid (PFDA)		AveID	31691	77566	305912	604674	1443205	0.0500	0.100	0.500	1.00	2.50
			5664507					10.0				
8:2 FTS		AveID	2861	7849	26606	51395	138394	0.0479	0.0958	0.479	0.958	2.40
			551191					9.58				
Perfluorooctanesulfonamide (FOSA)		AveID	41621	113239	423265	853072	2150057	0.0500	0.100	0.500	1.00	2.50
			8663983					10.0				
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveID	1773	5218	16744	38043	94320	0.0500	0.100	0.500	1.00	2.50
			390016					10.0				
Perfluorodecanesulfonic acid (PFDS)		AveID	16293	38256	146348	302428	730691	0.0482	0.0964	0.482	0.964	2.41
			2896712					9.64				
Perfluoroundecanoic acid (PFUnA)		AveID	24431	64357	244409	493796	1201956	0.0500	0.100	0.500	1.00	2.50
			4701521					10.0				
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		AveID	2130	4802	18172	35802	96074	0.0500	0.100	0.500	1.00	2.50
			355914					10.0				
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid		AveID	29806	70930	294213	584047	1357763	0.0471	0.0942	0.471	0.942	2.36
			5616158					9.42				
Perfluorododecanoic acid (PFDoA)		AveID	30573	72835	264312	546074	1310849	0.0500	0.100	0.500	1.00	2.50
			5514700					10.0				
10:2 FTS		AveID	1284	3634	15677	28609	72297	0.0482	0.0964	0.482	0.964	2.41
			297521					9.64				
Perfluorododecanesulfonic acid (PFDoS)		AveID	6843	14504	54696	106502	244860	0.0484	0.0968	0.484	0.968	2.42
			1019532					9.68				
Perfluorotridecanoic acid (PFTriA)		AveID	24591	56462	226665	448445	1098559	0.0500	0.100	0.500	1.00	2.50
			4302065					10.0				
Perfluorotetradecanoic acid (PFTeA)		AveID	3795	8395	34379	71818	167971	0.0500	0.100	0.500	1.00	2.50
			657979					10.0				
Perfluoro-n-hexadecanoic acid (PFHxDA)		L1ID	23322	55625	195955	370408	948058	0.0500	0.100	0.500	1.00	2.50
			3749492					10.0				
Perfluoro-n-octadecanoic acid (PFODA)		AveID	18931	45299	173296	355381	885277	0.0500	0.100	0.500	1.00	2.50
			3647983					10.0				

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1 Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
13C4 PFBA	13PFO A	Ave	1181985 1192876	1386458	1203352	1185176	1183081	1.25 1.25	1.25	1.25	1.25	1.25
13C5 PFPeA	13PFO A	Ave	878850 847223	1030251	856461	843580	850273	1.25 1.25	1.25	1.25	1.25	1.25
13C3 PFBS	13PFO A	Ave	1024342 1066974	1277928	1038343	1062494	1027240	1.16 1.16	1.16	1.16	1.16	1.16
M2-4:2 FTS	13PFO A	Ave	87206 88021	113101	85984	86339	85003	1.17 1.17	1.17	1.17	1.17	1.17
13C2 PFHxA	13PFO A	Ave	908776 866171	1097468	903699	895585	894513	1.25 1.25	1.25	1.25	1.25	1.25
13C3 HFPO-DA	13PFO A	Ave	155222 139707	185233	172775	167297	158496	1.25 1.25	1.25	1.25	1.25	1.25
18O2 PFHxS	13PFO A	Ave	822695 801639	956077	772740	769056	794776	1.18 1.18	1.18	1.18	1.18	1.18
13C4 PFHpA	13PFO A	Ave	853376 866766	1019298	892830	849594	838035	1.25 1.25	1.25	1.25	1.25	1.25
M2-6:2 FTS	13PFO A	Ave	100493 96331	122975	102545	96952	97655	1.19 1.19	1.19	1.19	1.19	1.19
13C4 PFOA	13PFO A	Ave	889146 839703	1101215	857479	869201	862938	1.25 1.25	1.25	1.25	1.25	1.25
13C4 PFOS	13PFO A	Ave	552776 552420	682230	543196	554310	529467	1.20 1.20	1.20	1.20	1.20	1.20
13C5 PFNA	13PFO A	Ave	787744 738168	964938	772347	760016	756323	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDA	13PFO A	Ave	741582 699346	926205	721858	722168	760056	1.25 1.25	1.25	1.25	1.25	1.25
M2-8:2 FTS	13PFO A	Ave	107657 105624	125650	100274	100569	101608	1.20 1.20	1.20	1.20	1.20	1.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1 Analy Batch No.: 162365

SDG No.: \_\_\_\_\_

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
13C8 FOSA	13PFO A	Ave	1076815 1111429	1350960	1063884	1069567	1040920	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PFO A	Ave	49895 52838	69887	54321	52781	52266	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PFO A	Ave	632709 589898	753171	580063	595523	601281	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PFO A	Ave	49123 52405	66544	52130	50481	49976	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PFO A	Ave	640188 631964	777582	642314	641373	623891	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PFO A	Ave	460978 471704	598063	480039	450404	469963	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PFO A	Ave	493765 502634	635237	497203	496455	505699	1.25 1.25	1.25	1.25	1.25	1.25

Curve Type Legend:

Ave = Average ISTD AveID = Average isotope dilution L1ID = Linear 1/conc IsoDil
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Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
 Lims ID: IC  
 Client ID:  
 Sample Type: IC Calib Level: 1  
 Inject. Date: 22-Dec-2020 12:48:13 ALS Bottle#: 2 Worklist Smp#: 8  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: IC  
 Misc. Info.: 200-0044184-008 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3  
 Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 14:39:20 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:44:52

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 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.596	1181985	1.26	101	10169	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	57629	0.0608		122	6.6	M
D 3 13C5 PFPeA	267.90 > 223.00	2.401	2.414	-0.013	0.687	878850	1.29	103	2743	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.401	2.414	-0.013	1.000	43447	0.0558		112	1.8	
D 47 13C3 PFBS	301.90 > 80.00	2.427	2.427	0.0	0.695	1024342	1.15	98.6	180745	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.427	0.0	1.000	48410	0.0486	Target=2.21	110	133	
298.90 > 99.00	2.427	2.427	0.0	1.000	22181		2.18(1.10-3.31)	110	29.3	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.723	2.735	-0.012	1.000	7359	0.0537		115	154	
D 60 M2-4:2 FTS	329.00 > 81.00	2.723	2.735	-0.012	0.779	87206	1.17	100	92.0	
D 7 13C2 PFHxA	315.00 > 270.00	2.759	2.771	-0.012	0.790	908776	1.28	102	2502	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.759	2.771	-0.012	1.000	46854	0.0590	Target=12.17	118	12.0	
313.00 > 119.00	2.759	2.771	-0.012	1.000	3848		12.18(6.09-18.26)	118	6.8	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.771	2.771	0.0	0.888	43453	0.0476	Target=3.32	101	153	
349.00 > 99.00	2.759	2.771	-0.012	0.884	12485		3.48(1.66-4.98)	101	31.9	
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.869	2.881	-0.012	1.000	9952	0.0578		116	1.2	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.869	2.881	-0.012	0.821	155222	1.24		99.1	808	
D 11 18O2 PFHxS										
403.00 > 84.00	3.123	3.133	-0.011	0.894	822695	1.24		105	1287	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.133	3.133	0.0	1.003	41668	0.0508	Target=4.08	112	50.8	M
399.00 > 99.00	3.123	3.133	-0.011	1.000	11112		3.75(2.04-6.11)	112	9.6	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	853376	1.25		100	3008	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.133	0.0	1.000	39251	0.0526	Target=3.70	105	10.4	
363.00 > 169.00	3.133	3.133	0.0	1.000	11020		3.56(1.85-5.56)	105	35.2	
77 DONA										
377.00 > 251.00	3.165	3.176	-0.011	0.832	76688	0.0495	Target=2.47	105	110	
377.00 > 85.00	3.165	3.176	-0.011	0.832	30043		2.55(1.23-3.70)	105	33.3	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.475	3.484	-0.009	0.913	31963	0.0512	Target=5.85	108	249	M
449.00 > 99.00	3.475	3.484	-0.009	0.913	5848		5.47(2.93-8.78)	108	36.6	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.475	3.484	-0.009	0.995	100493	1.21		102	352	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.484	3.484	0.0	1.003	4554	0.0484		102	112	M
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.493	0.0	1.000	889146	1.28		103	2451	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.493	0.0		874500	1.25			3167	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.493	3.493	0.0	1.000	40563	0.0526	Target=2.58	105	9.1	M
413.00 > 169.00	3.493	3.493	0.0	1.000	16414		2.47(1.29-3.87)	105	40.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.806	3.806	0.0	1.089	552776	1.21		101	1557	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.806	3.806	0.0	1.000	27324	0.0514	Target=5.56	111	34.0	M
499.00 > 99.00	3.806	3.806	0.0	1.000	5749		4.75(2.78-8.34)	111	21.4	M
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.826	0.0	1.095	787744	1.29		103	2069	
20 Perfluorononanoic acid										
463.00 > 419.00	3.826	3.826	0.0	1.000	40080	0.0575	Target=6.87	115	6.3	M
463.00 > 169.00	3.816	3.826	-0.010	0.997	6287		6.38(3.43-10.30)	115	60.0	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.967	3.967	0.0	1.042	29669	0.0500		107	209	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.095	4.095	0.0	1.076	21260	0.0536	Target=2.78	112	265	M
549.00 > 99.00	4.095	4.095	0.0	1.076	7735		2.75(1.39-4.17)	112	23.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.118	4.129	-0.011	1.179	741582	1.27		102	2696	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.118	4.129	-0.011	1.000	31691	0.0518	Target=9.03	104	24.7	M
513.00 > 169.00	4.118	4.129	-0.011	1.000	3824		8.29(4.51-13.54)	104	31.1	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.129	4.140	-0.011	1.000	2861	0.0468		97.7	73.0	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.129	4.140	-0.011	1.182	107657	1.26		105	657	
D 21 13C8 FOSA										
506.00 > 78.00	4.207	4.207	0.0	1.204	1076815	1.25		100	3541	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.207	4.207	0.0	1.000	41621	0.0482		96.4	229	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.260	4.272	-0.012	1.219	49895	1.18		94.2	714	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.272	0.0	1.003	1773	0.0501		100	18.6	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.350	4.362	-0.012	1.143	16293	0.0515	Target=2.76	107	164	
599.00 > 99.00	4.350	4.362	-0.012	1.143	5699		2.86(1.38-4.14)	107	32.2	
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.384	0.0	1.255	632709	1.32		106	1998	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.384	4.395	-0.011	1.000	24431	0.0473	Target=8.02	94.7	10.1	
563.00 > 169.00	4.384	4.395	-0.011	1.000	3612		6.76(4.01-12.03)	94.7	53.0	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.395	0.0	1.258	49123	1.20		96.0	347	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.395	4.406	-0.011	1.000	2130	0.0586		117	45.3	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.485	4.485	0.0	1.179	29806	0.0484		103	568	
D 36 13C2 PFDaA										
615.00 > 570.00	4.616	4.626	-0.010	1.322	640188	1.26		101	3580	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.616	4.626	-0.010	1.000	30573	0.0543	Target=6.85	109	9.7	
613.00 > 169.00	4.616	4.626	-0.010	1.000	3833		7.98(3.42-10.27)	109	57.9	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.637	4.637	0.0	1.123	1284	0.0408		84.6	40.0	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.797	4.797	0.0	1.261	6843	0.0588	Target=0.53	121	16.8	M
699.00 > 99.00	4.797	4.797	0.0	1.261	10922		0.63(0.26-0.79)	121	65.2	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.827	4.839	-0.012	1.046	24591	0.0538	Target=4.48	108	10.0	
663.00 > 169.00	4.827	4.839	-0.012	1.046	5908		4.16(2.24-6.72)	108	88.9	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.018	5.027	-0.009	1.436	460978	1.23		98.5	2875	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.027	5.027	0.0	1.002	3795	0.0555	Target=0.99	111	120	M
713.00 > 219.00	5.018	5.027	-0.009	1.000	4608		0.82(0.50-1.49)	111	166	



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 44 13C2 PFHxDA										
815.00 > 770.00	5.374	5.374	0.0	1.539	493765	1.23		98.7	1409	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.374	5.374	0.0	1.000	23322	0.0481	Target=4.02	96.3	6.3	
813.00 > 169.00	5.374	5.374	0.0	1.000	5860		3.98(2.01-6.02)	96.3	134	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.065	18931	0.0533	Target=3.88	107	16.4	
913.00 > 169.00	5.713	5.722	-0.009	1.063	4824		3.92(1.94-5.82)	107	121	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC1\_00007

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d

Injection Date: 22-Dec-2020 12:48:13

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 8

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

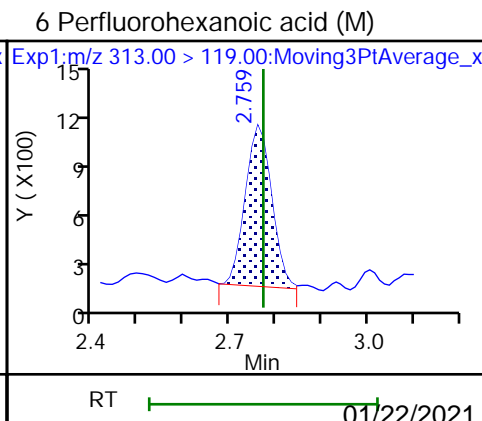
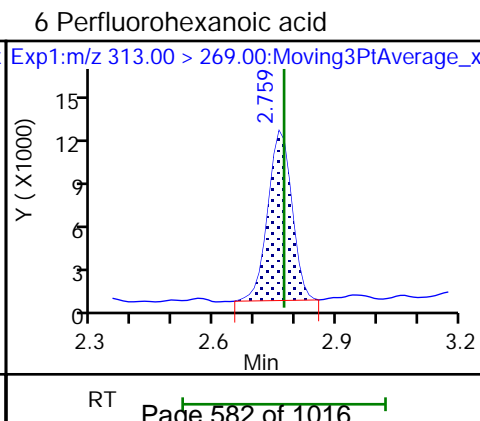
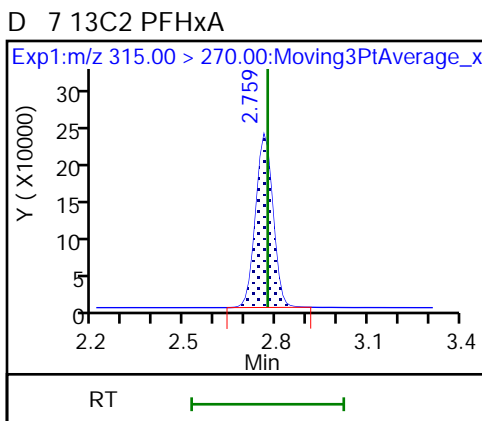
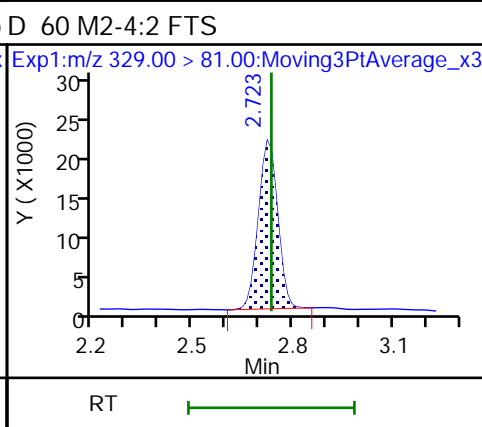
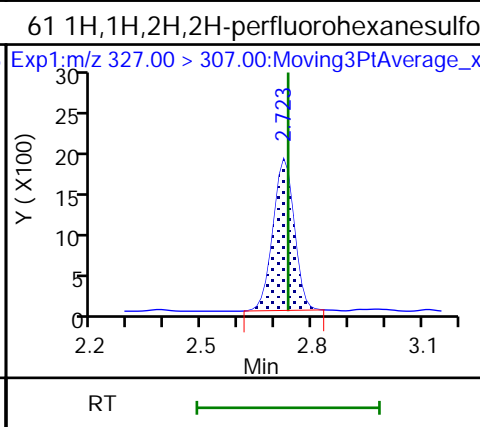
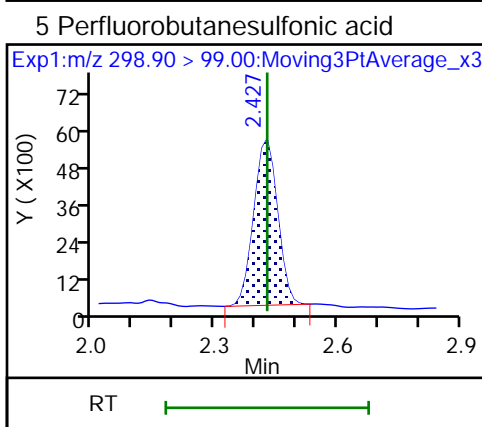
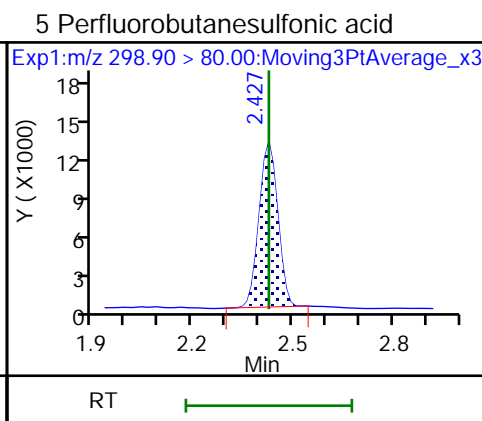
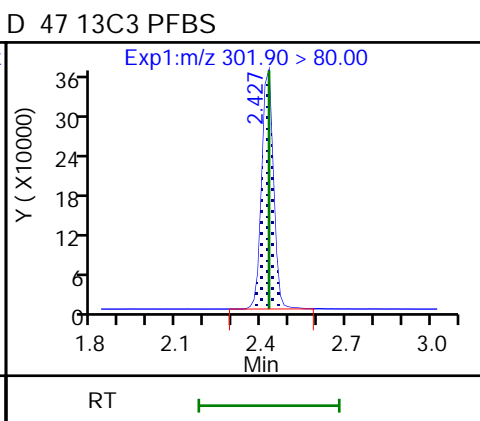
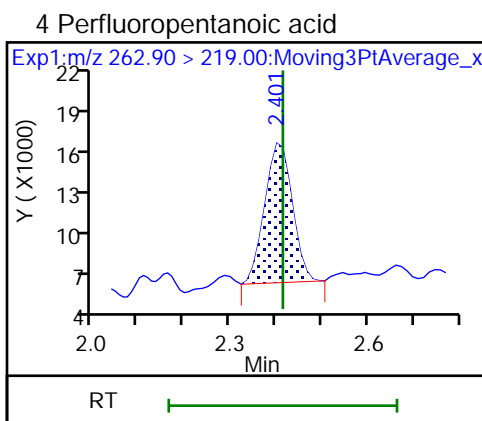
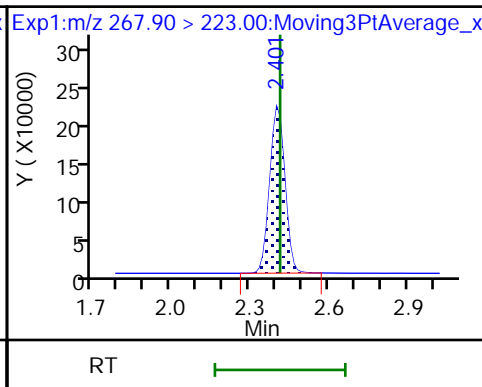
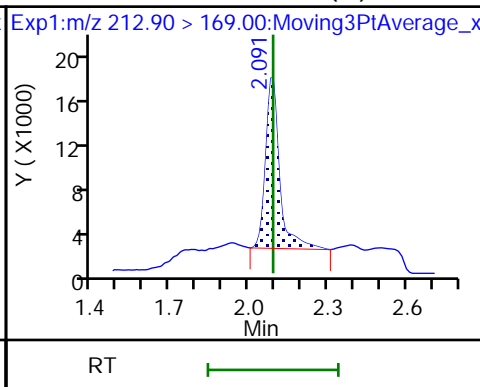
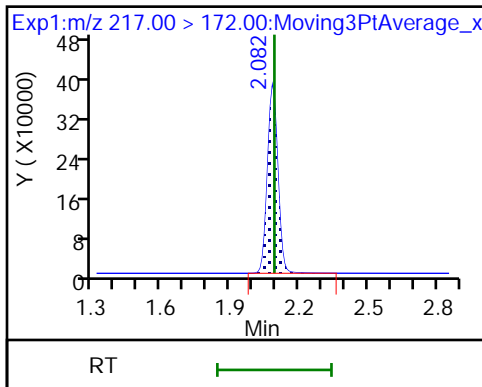
Method: PFC\_LC812

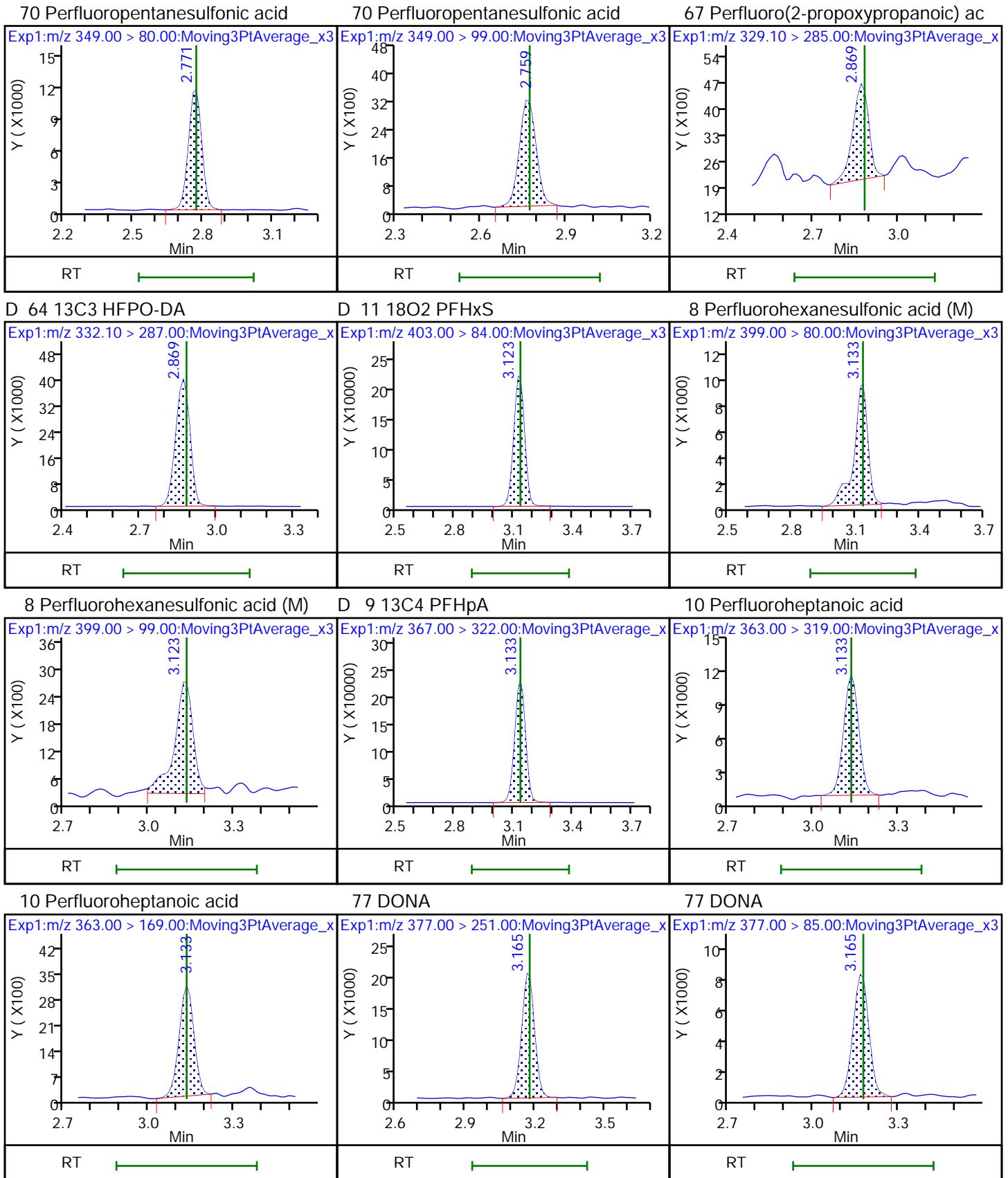
Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

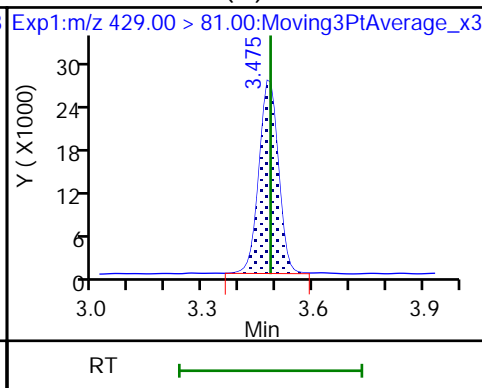
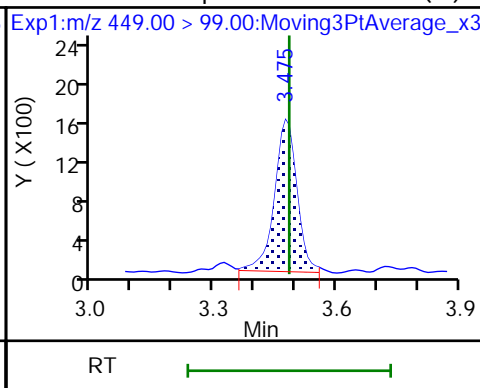
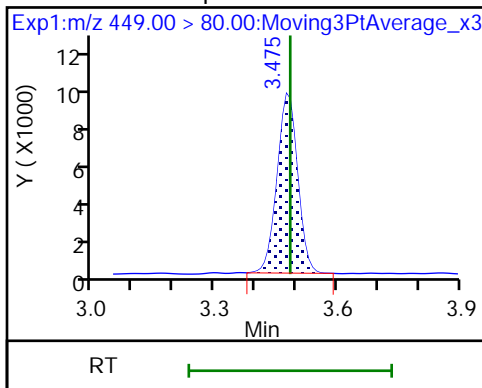




16 Perfluoroheptanesulfonic acid

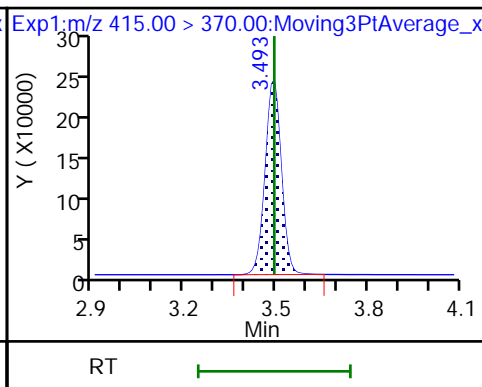
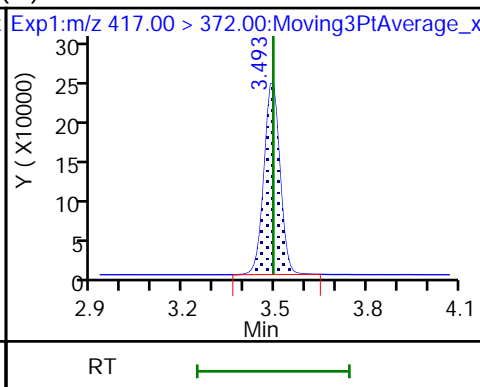
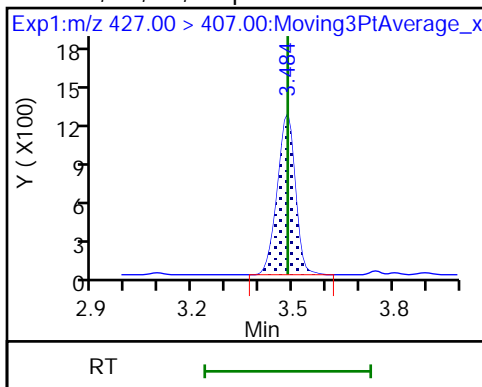
16 Perfluoroheptanesulfonic acid (M)

D 12 M2-6:2 FTS (M)



13 1H,1H,2H,2H-perfluorooctanesulfo (M) 14 13C4 PFOA

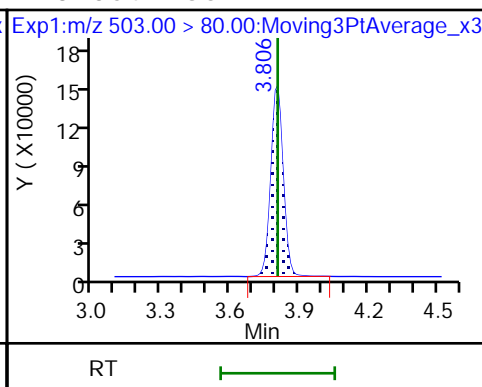
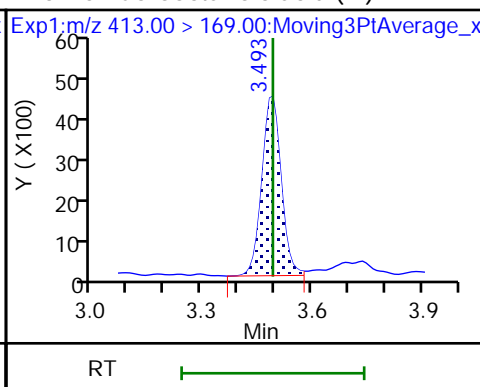
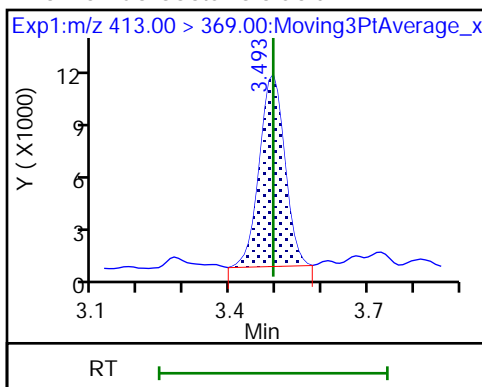
\* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

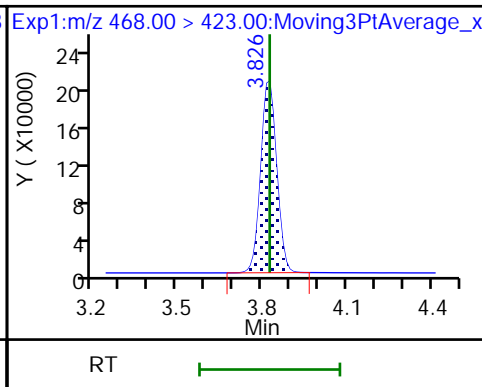
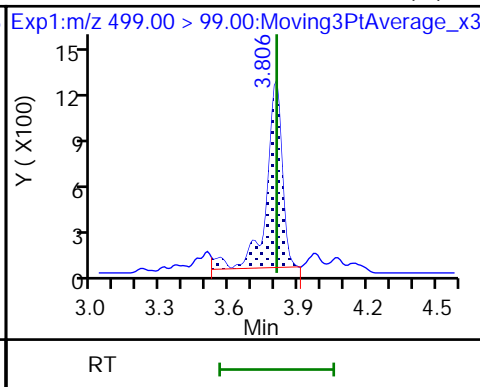
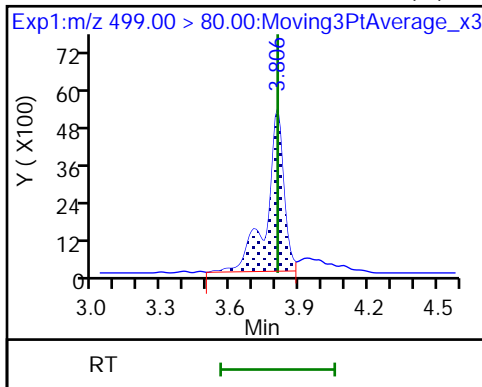
D 18 13C4 PFOS

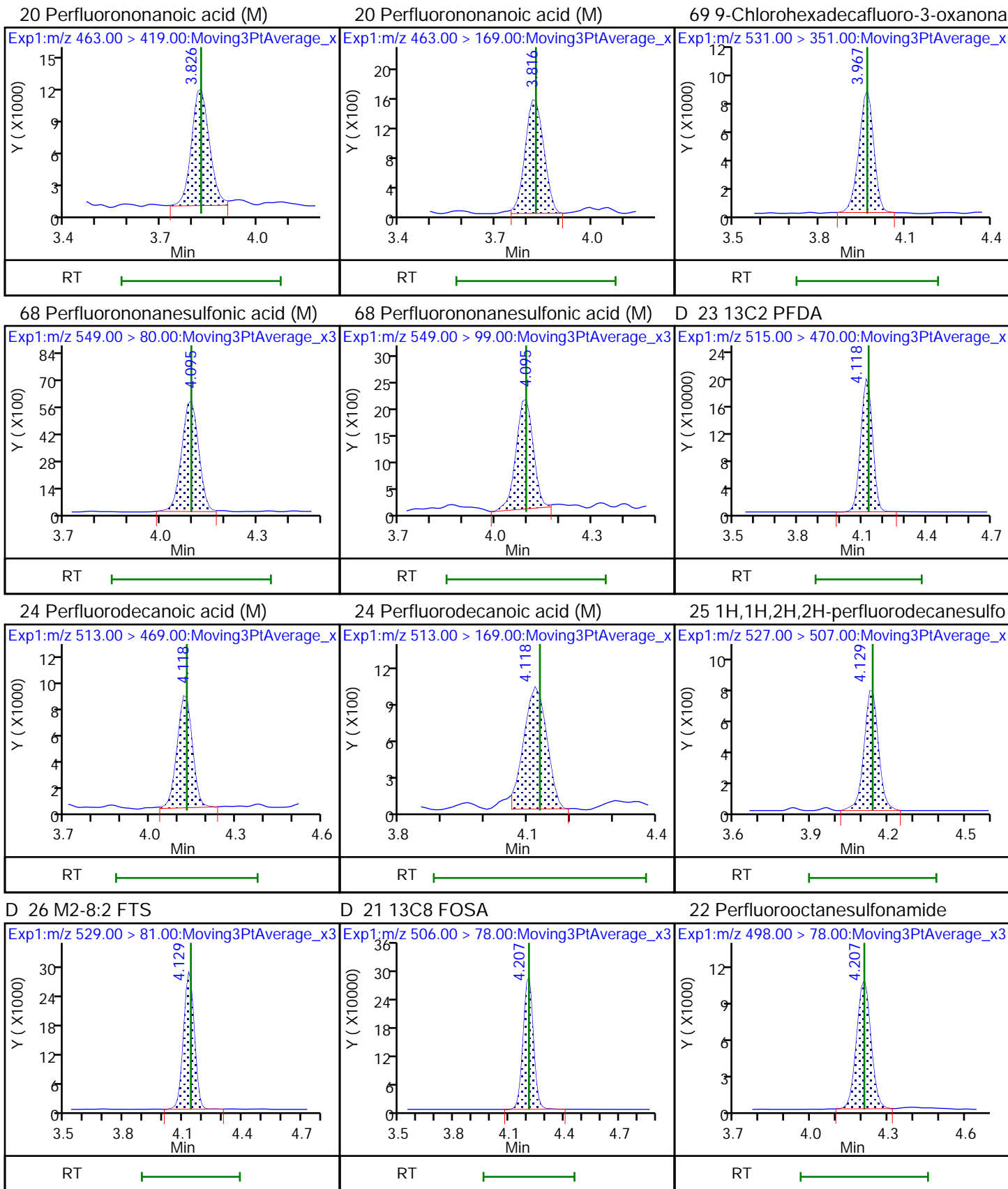


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

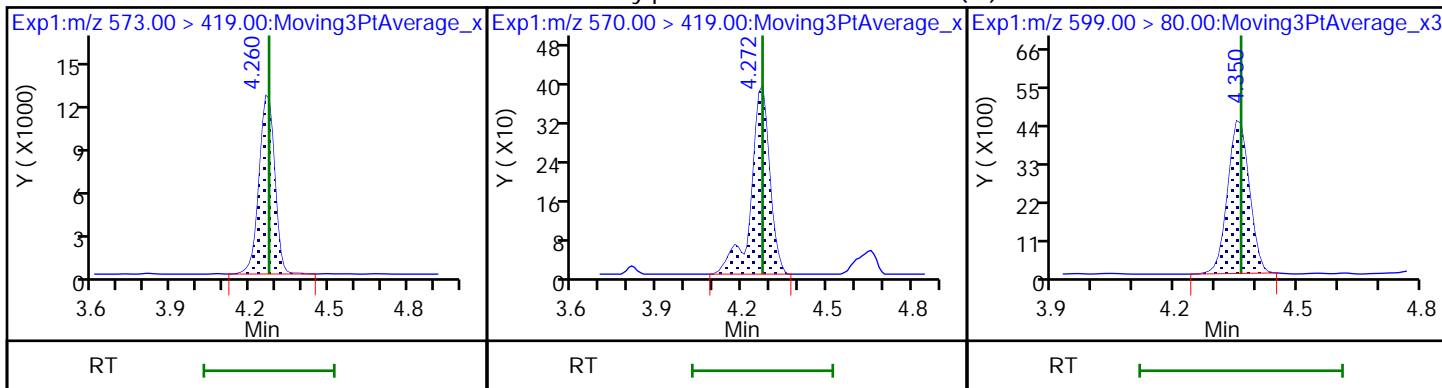
D 19 13C5 PFNA





D 27 d3-NMeFOSAA

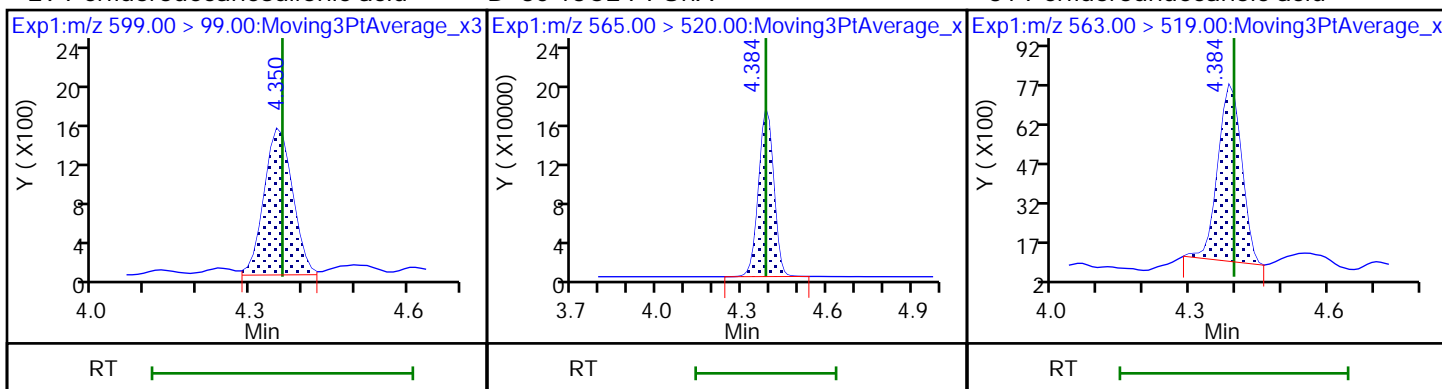
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

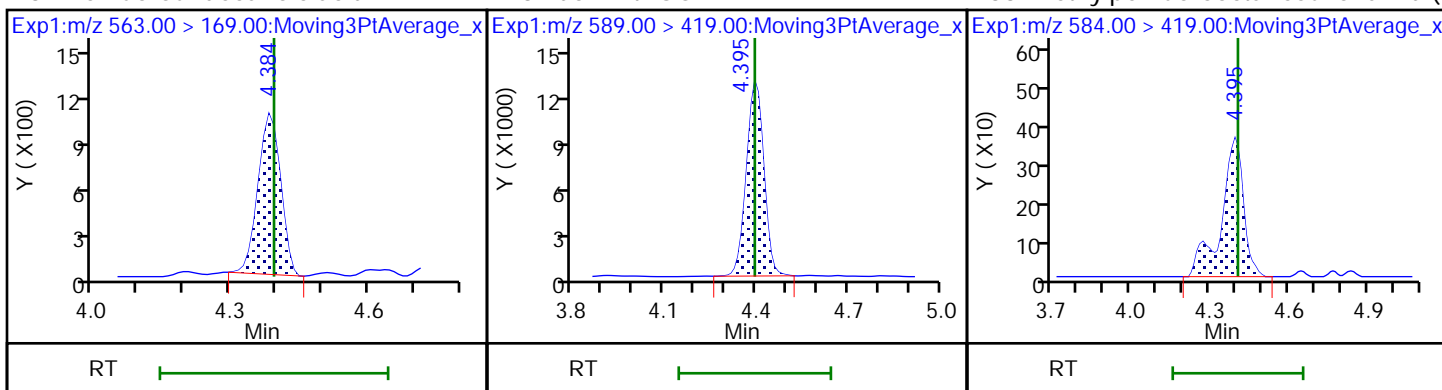
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

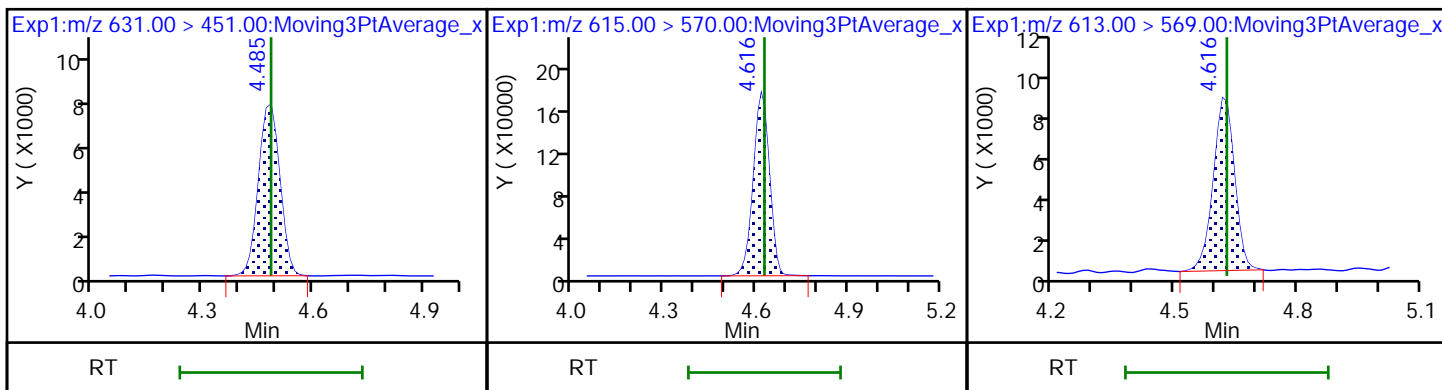
33 N-ethylperfluorooctanesulfonamid (M)



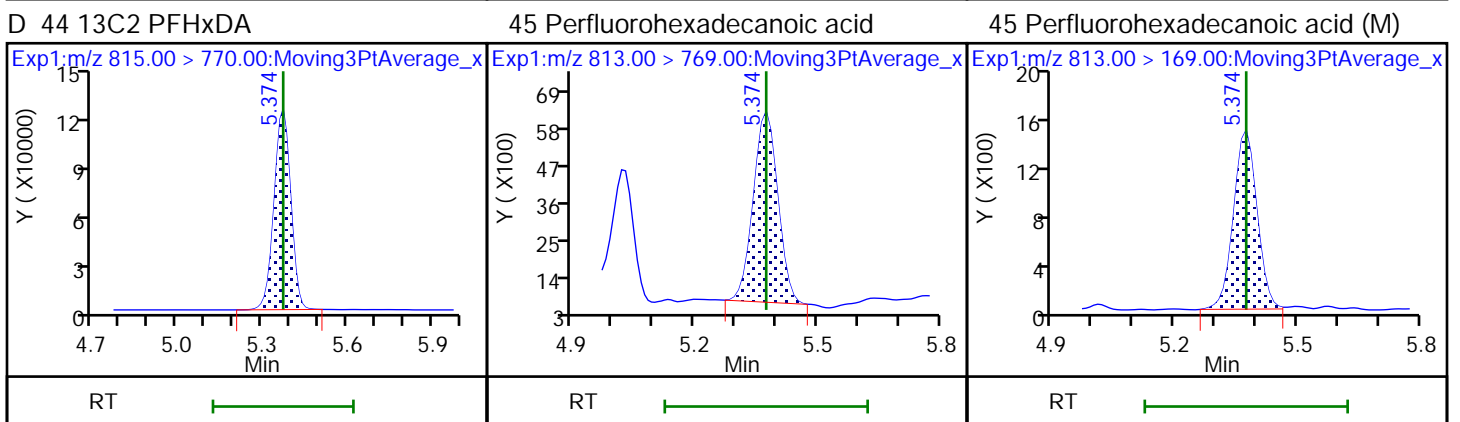
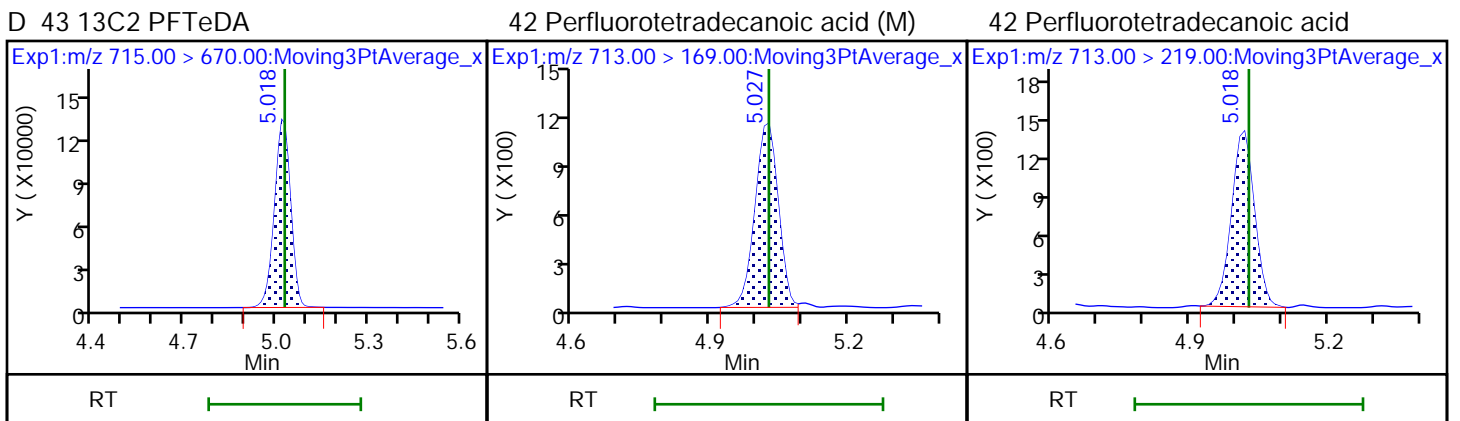
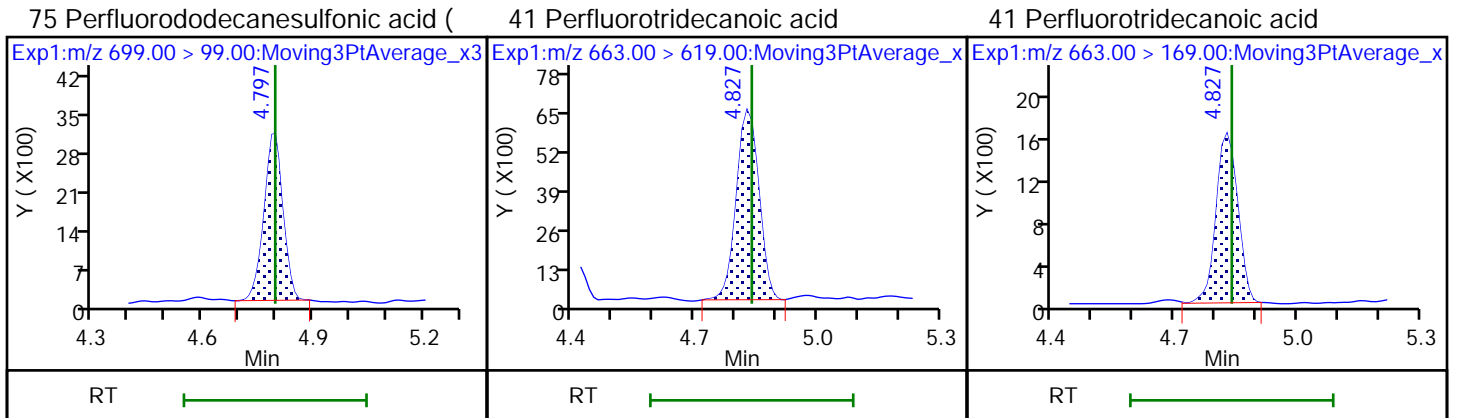
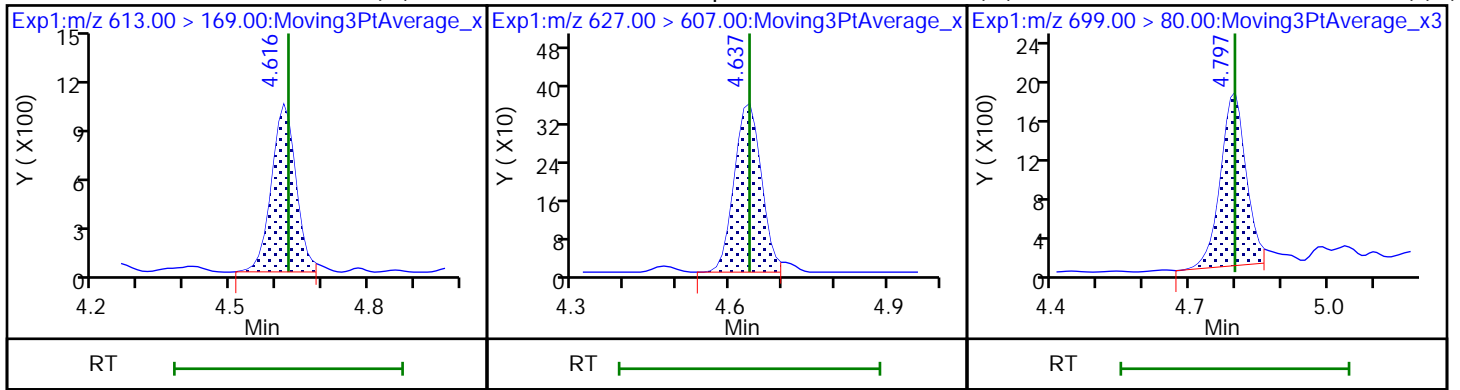
66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

37 Perfluorododecanoic acid

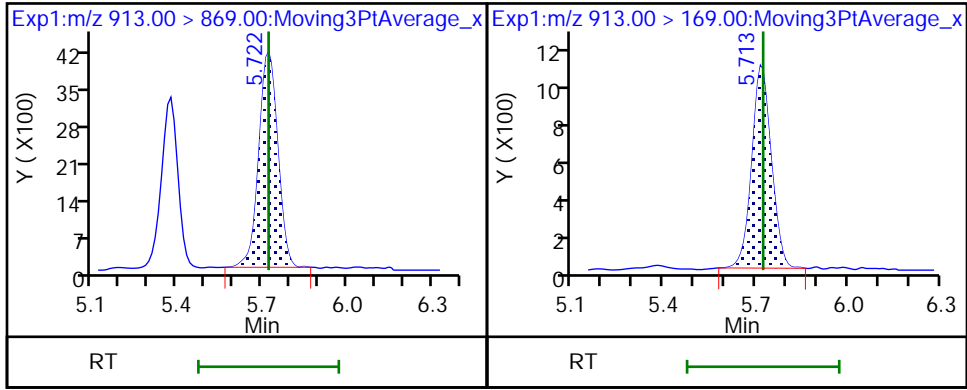


37 Perfluorododecanoic acid (M)      74 1H,1H,2H,2H-perfluorododecanesul (M)      75 Perfluorododecanesulfonic acid (M)



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid





Eurofins TestAmerica, Burlington

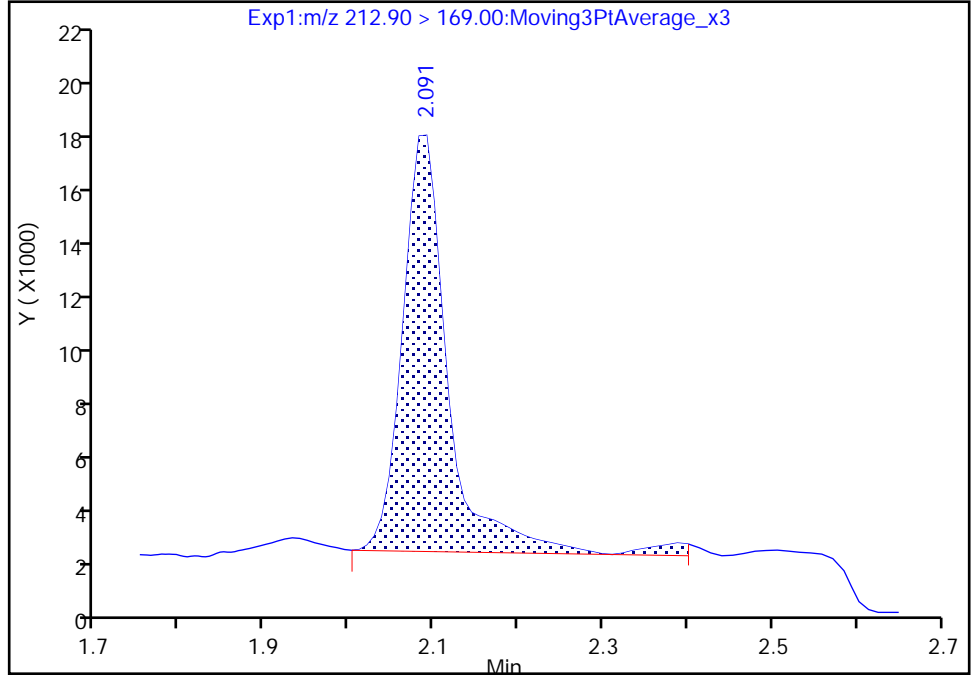
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

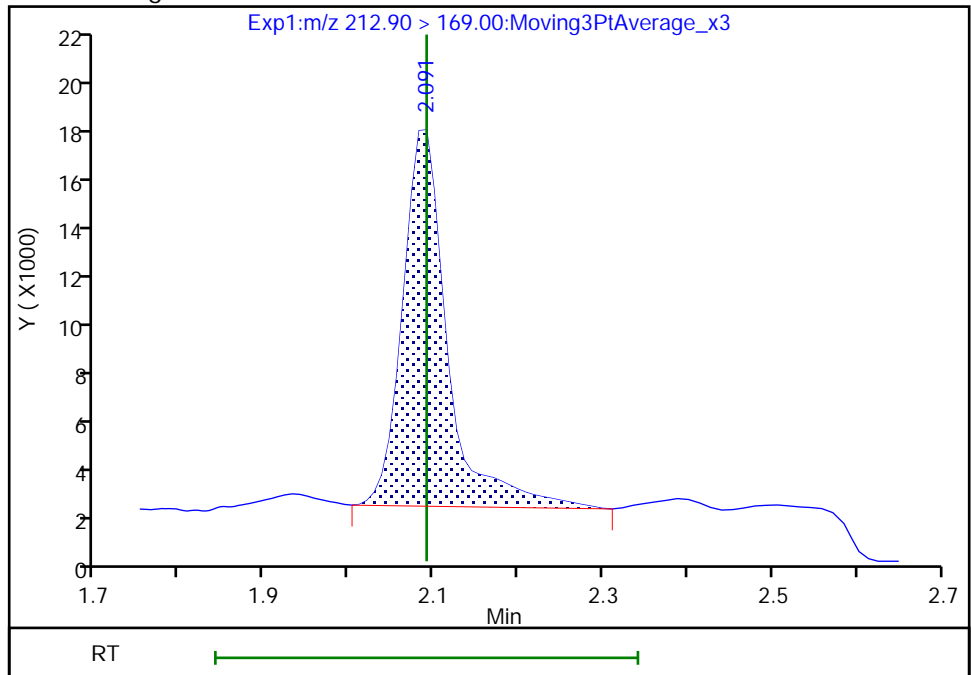
RT: 2.09  
Area: 59095  
Amount: 0.050540  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 57629  
Amount: 0.060823  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:33:32  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

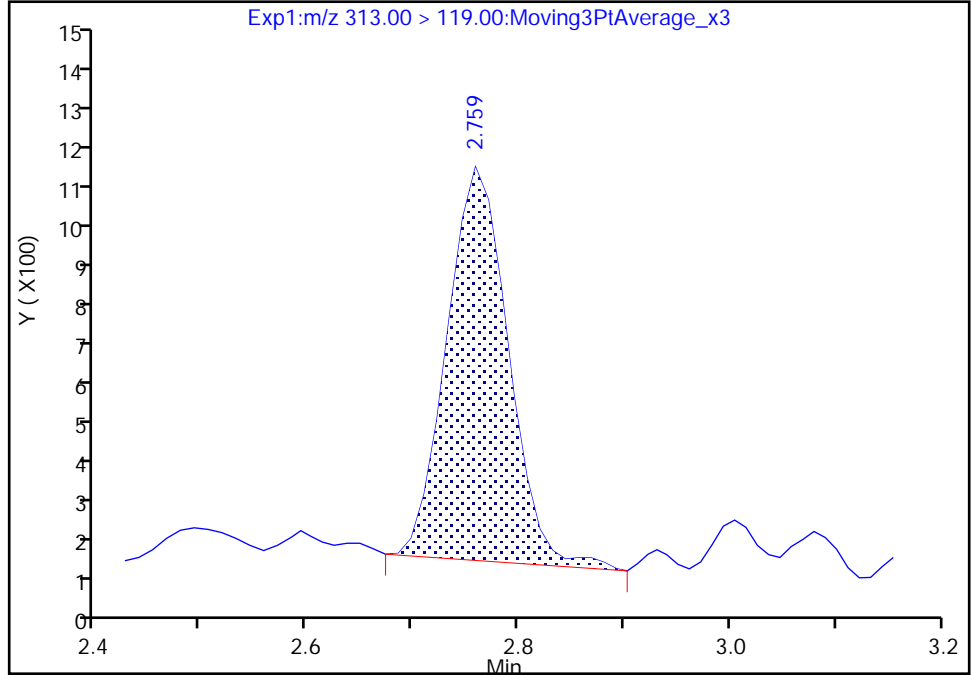
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

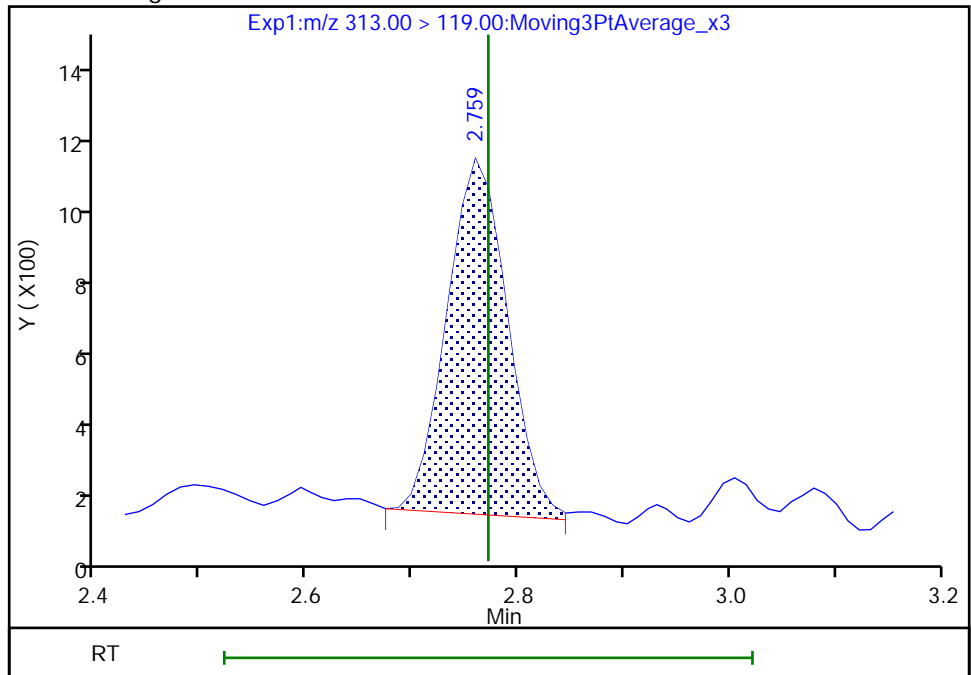
RT: 2.76  
Area: 3908  
Amount: 0.051782  
Amount Units: ng/ml

Processing Integration Results



RT: 2.76  
Area: 3848  
Amount: 0.058993  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:38:20  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

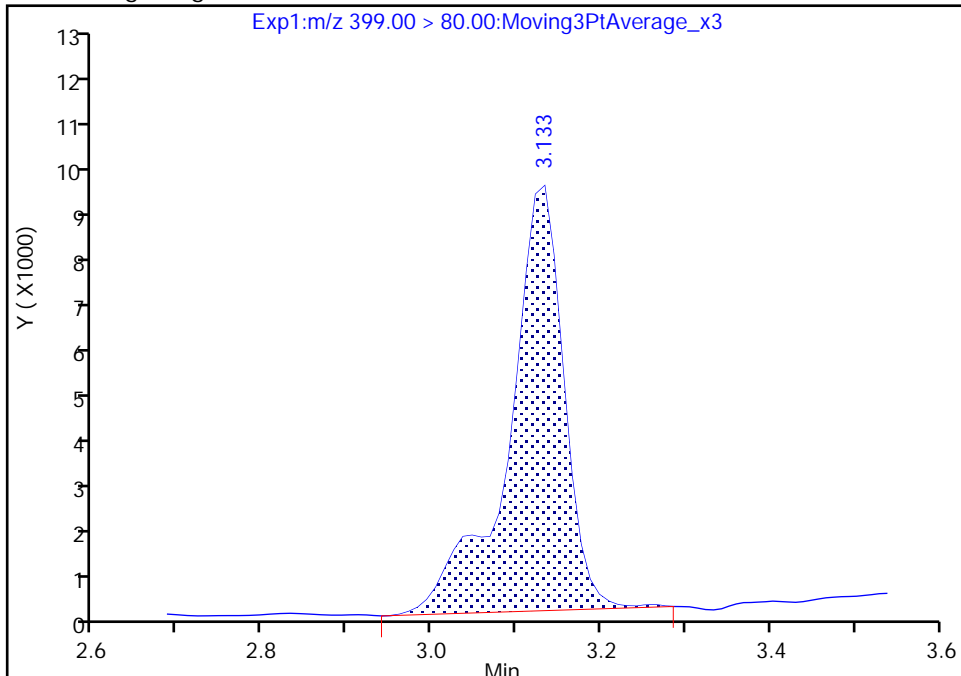
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

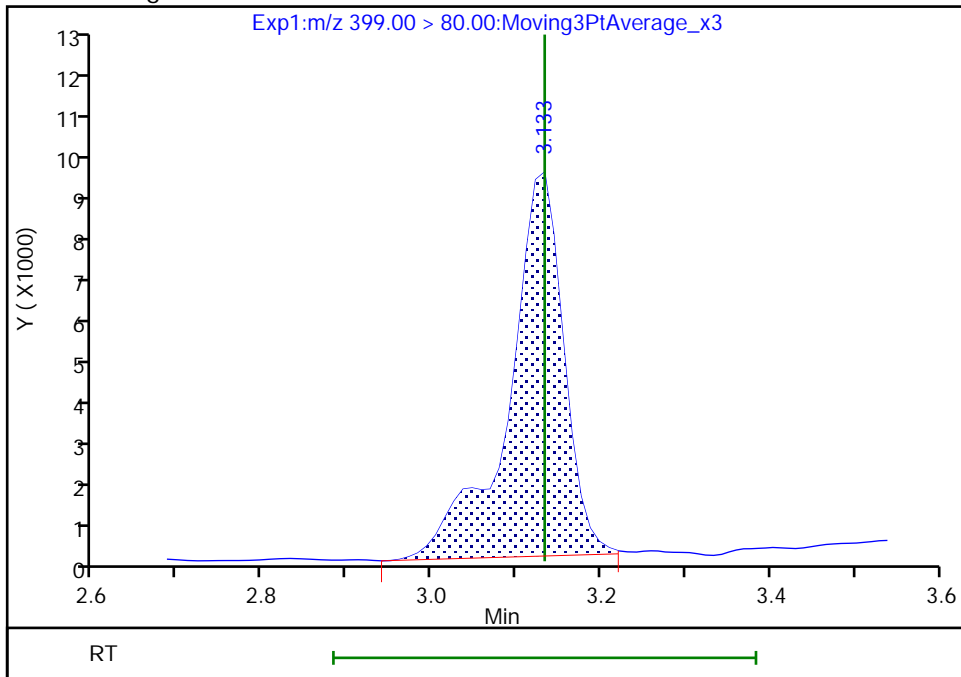
RT: 3.13  
Area: 41838  
Amount: 0.042786  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 41668  
Amount: 0.050821  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:39:55  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

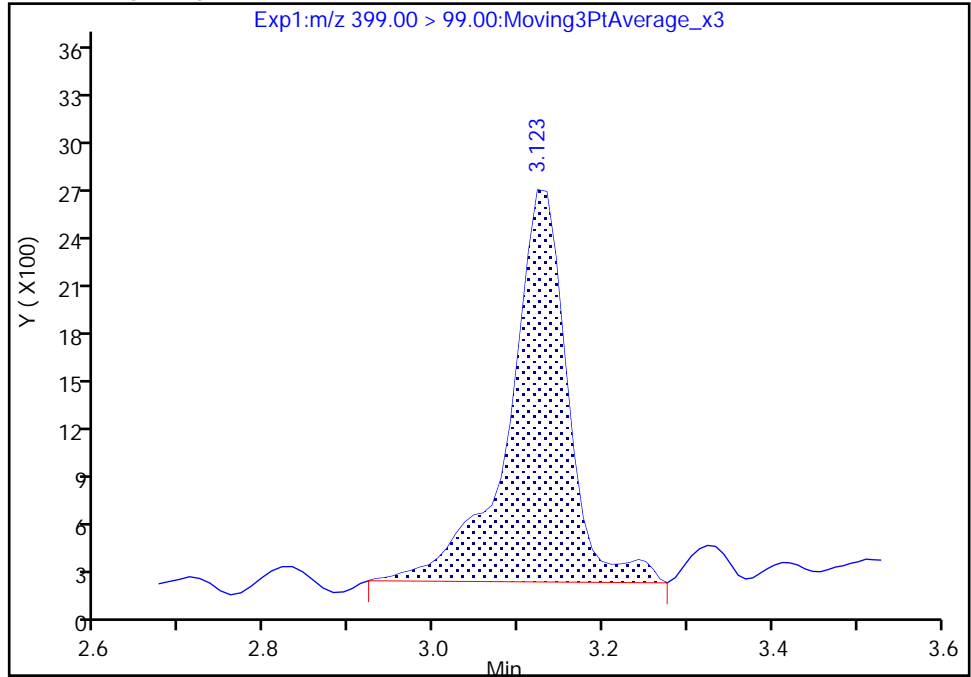
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

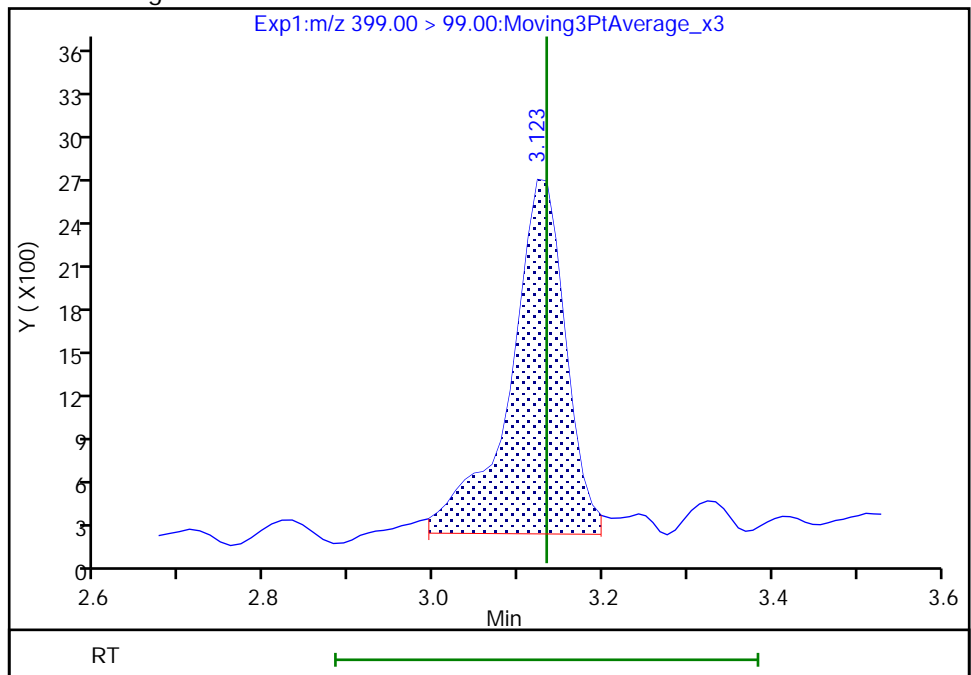
RT: 3.12  
Area: 11785  
Amount: 0.042786  
Amount Units: ng/ml

Processing Integration Results



RT: 3.12  
Area: 11112  
Amount: 0.050821  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:39:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

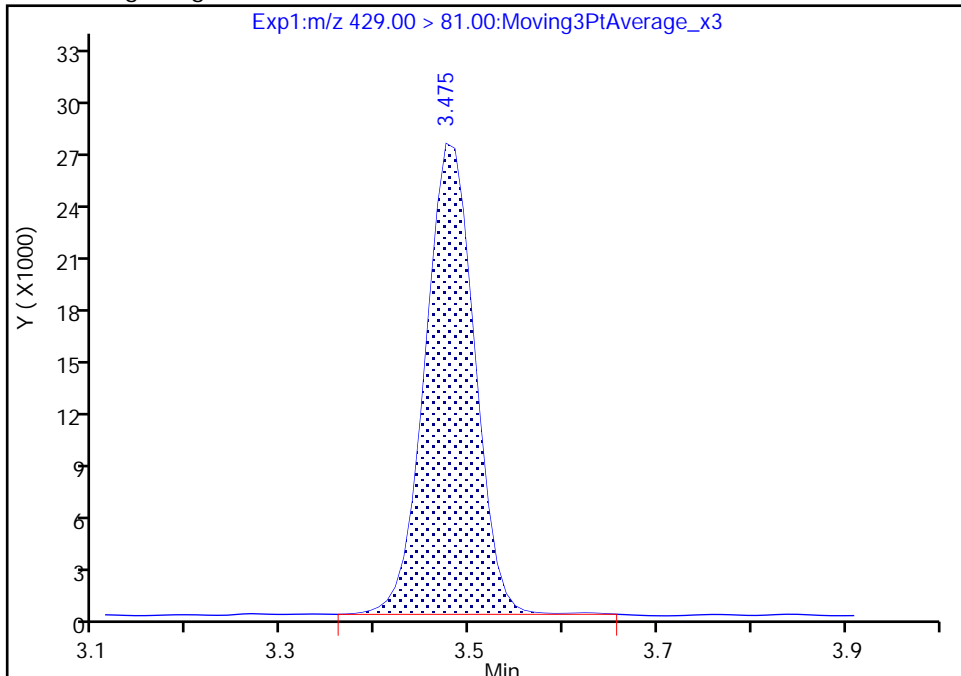
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

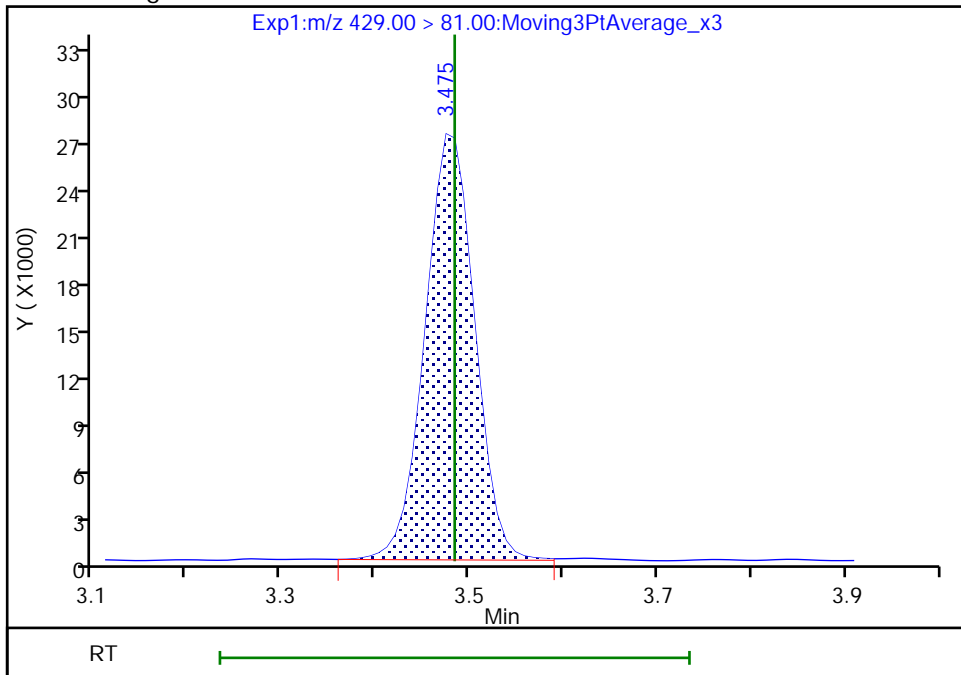
RT: 3.48  
Area: 100266  
Amount: 1.224525  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 100493  
Amount: 1.210092  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:40:34  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

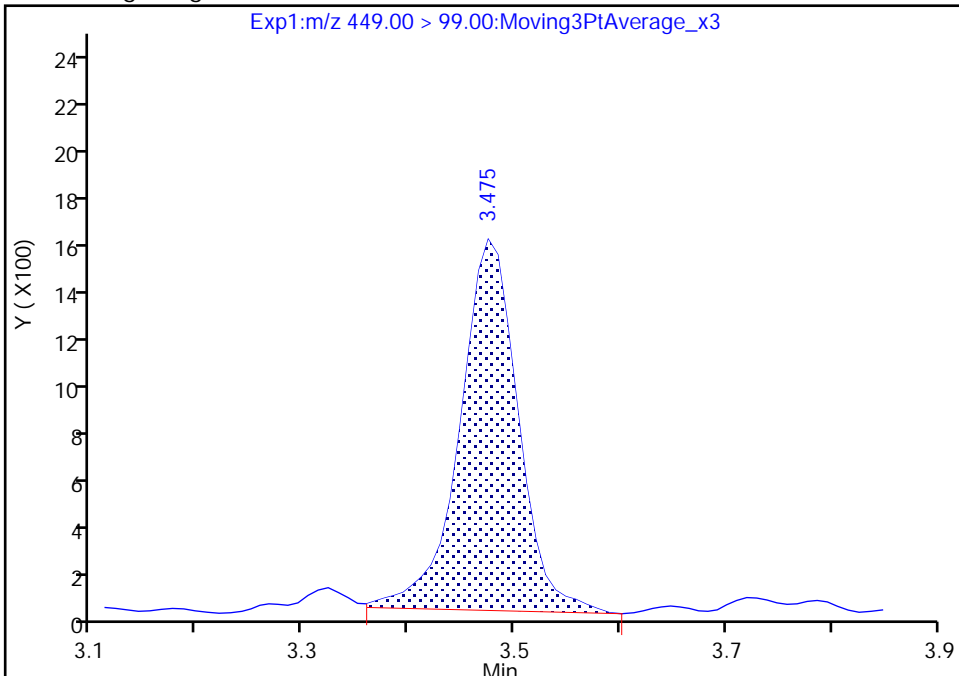
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

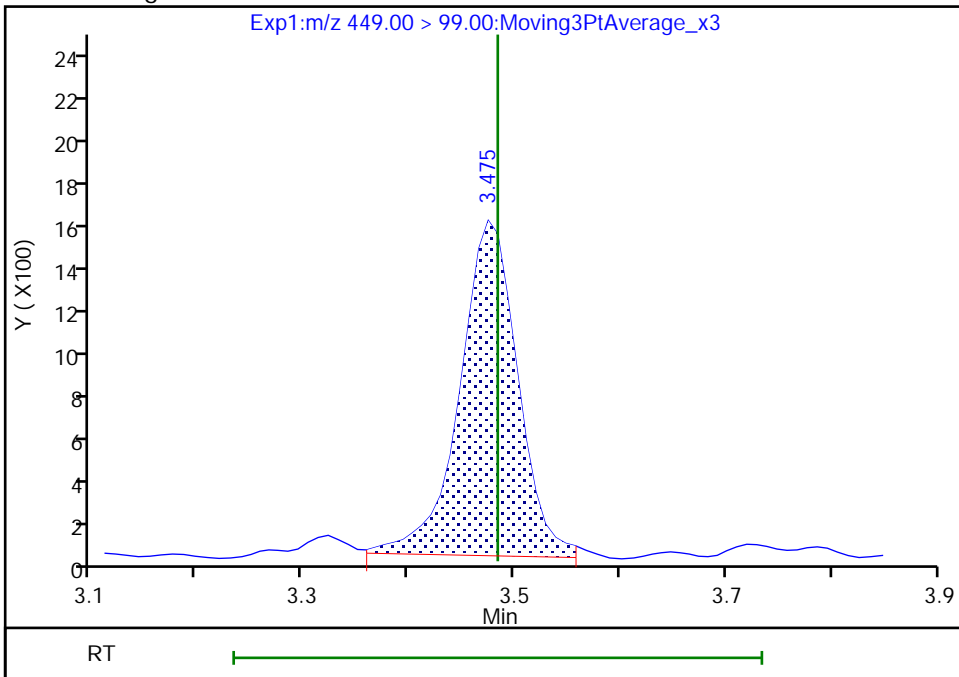
RT: 3.48  
Area: 5908  
Amount: 0.046186  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 5848  
Amount: 0.051177  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:40:18  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

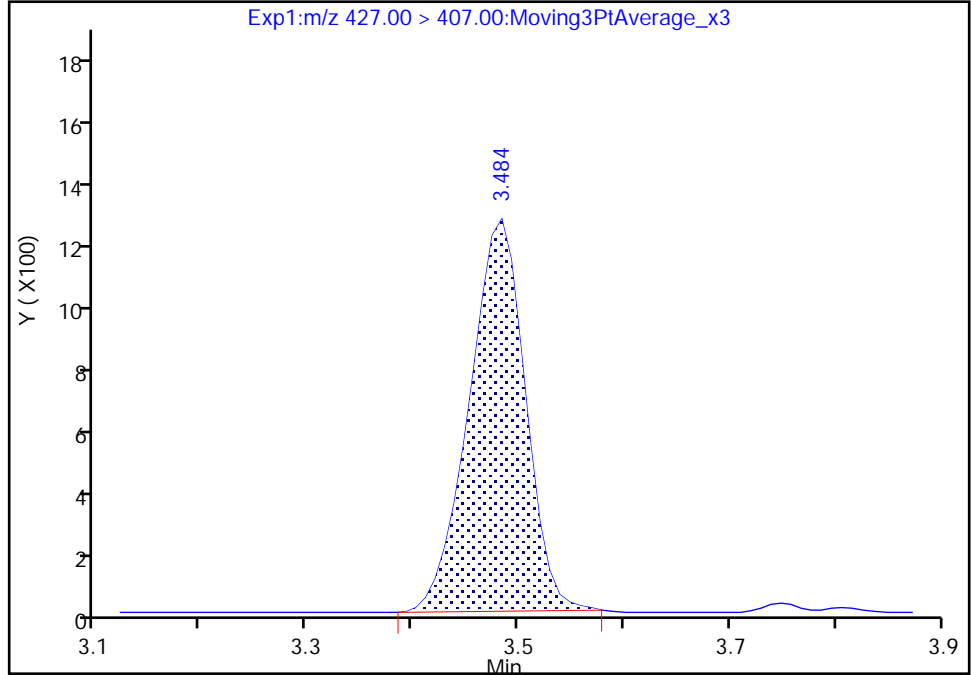
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Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

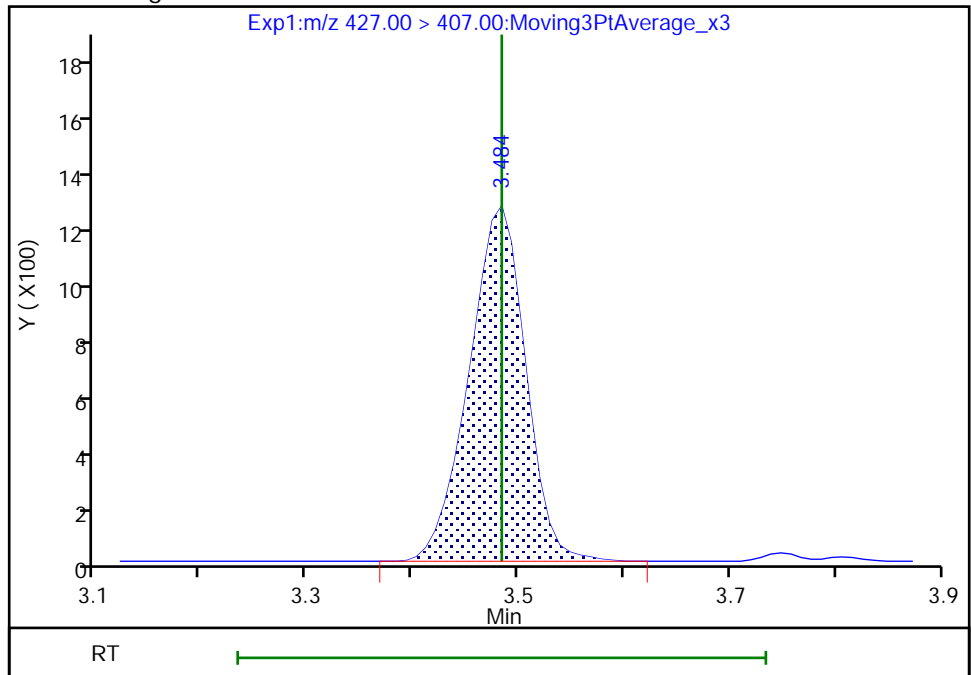
RT: 3.48  
Area: 4509  
Amount: 0.047470  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
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Amount: 0.048378  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:40:43  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

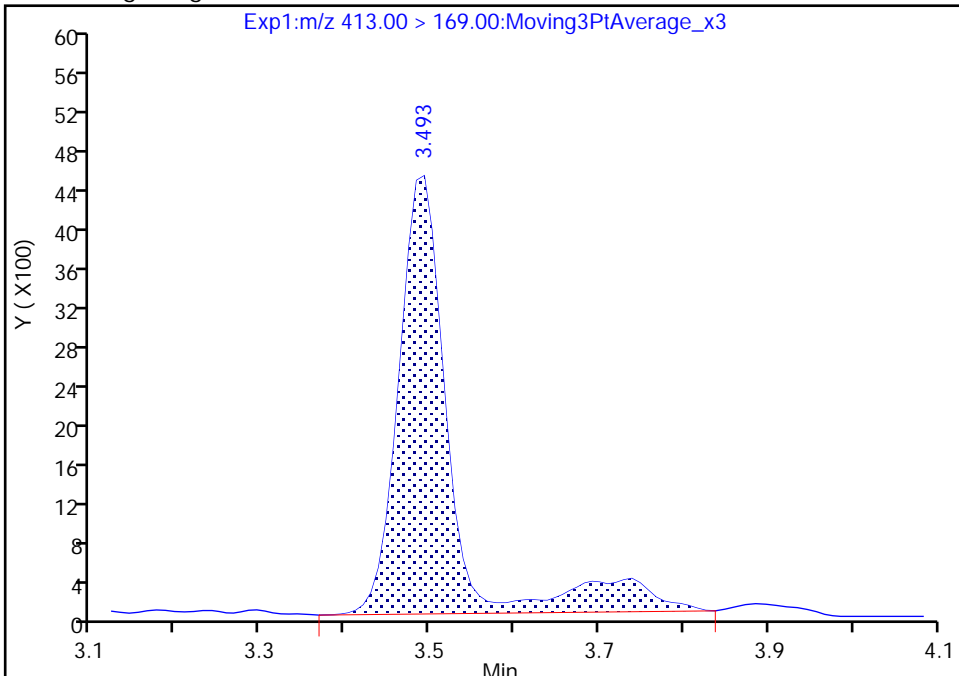
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

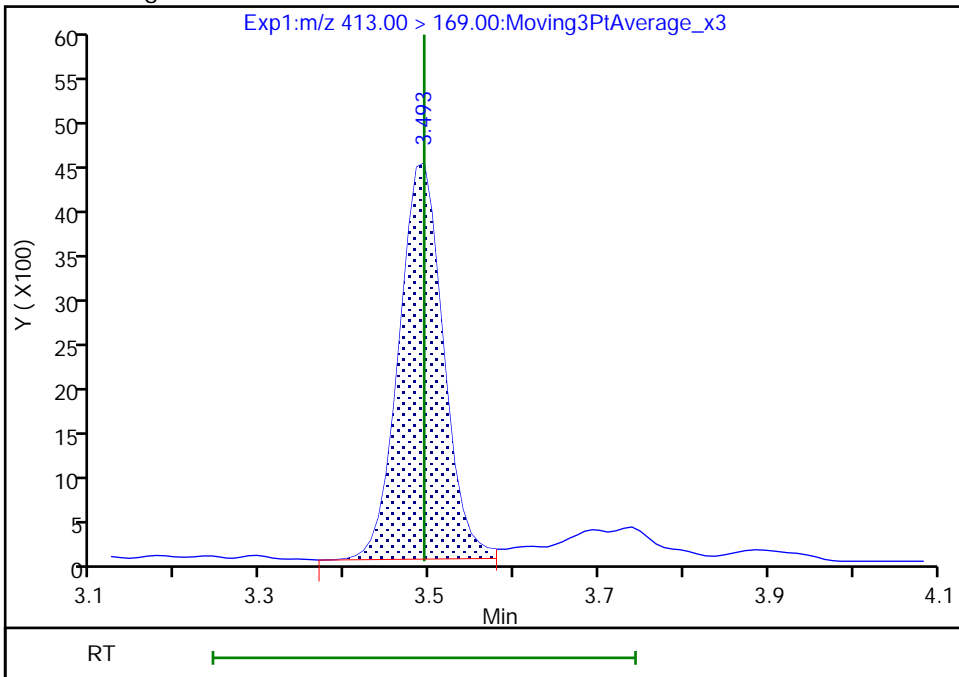
RT: 3.49  
Area: 19115  
Amount: 0.048680  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 16414  
Amount: 0.052608  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:40:57  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

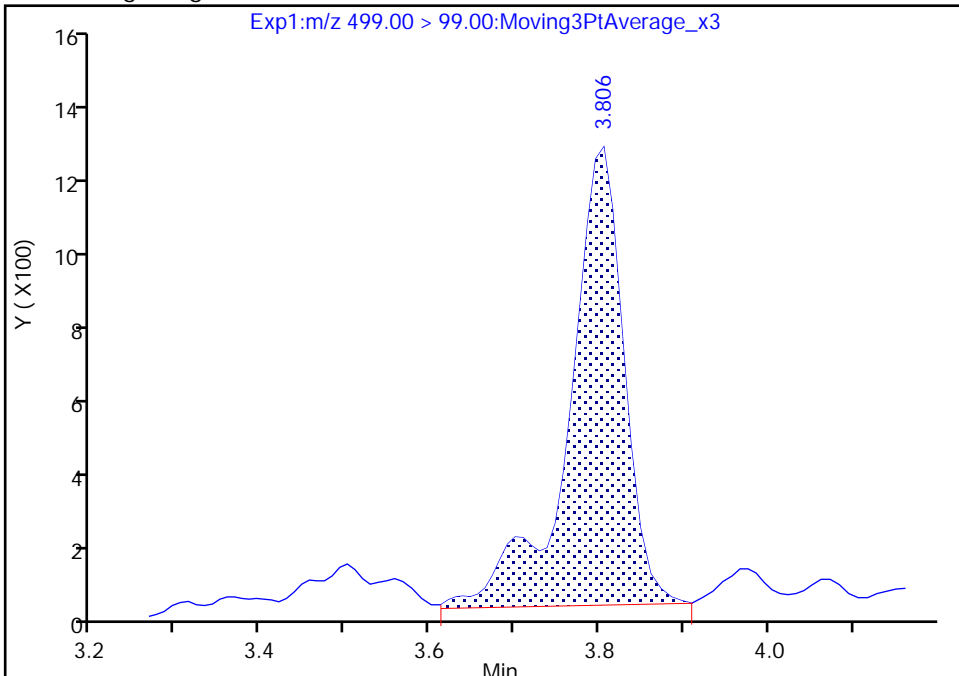
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Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

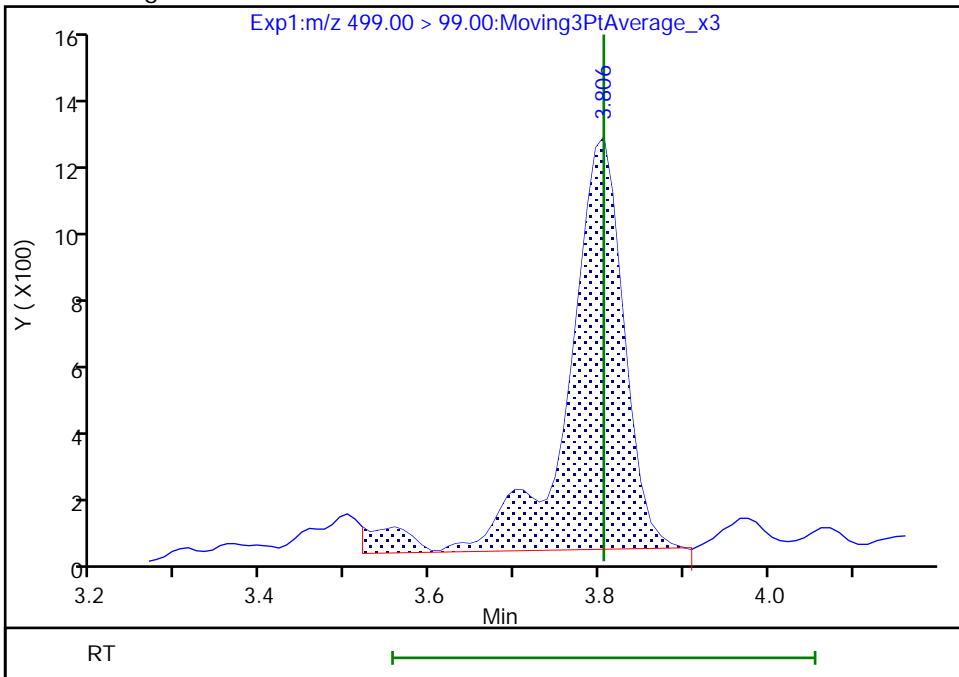
RT: 3.81  
Area: 5573  
Amount: 0.046531  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 5749  
Amount: 0.051360  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:41:31  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

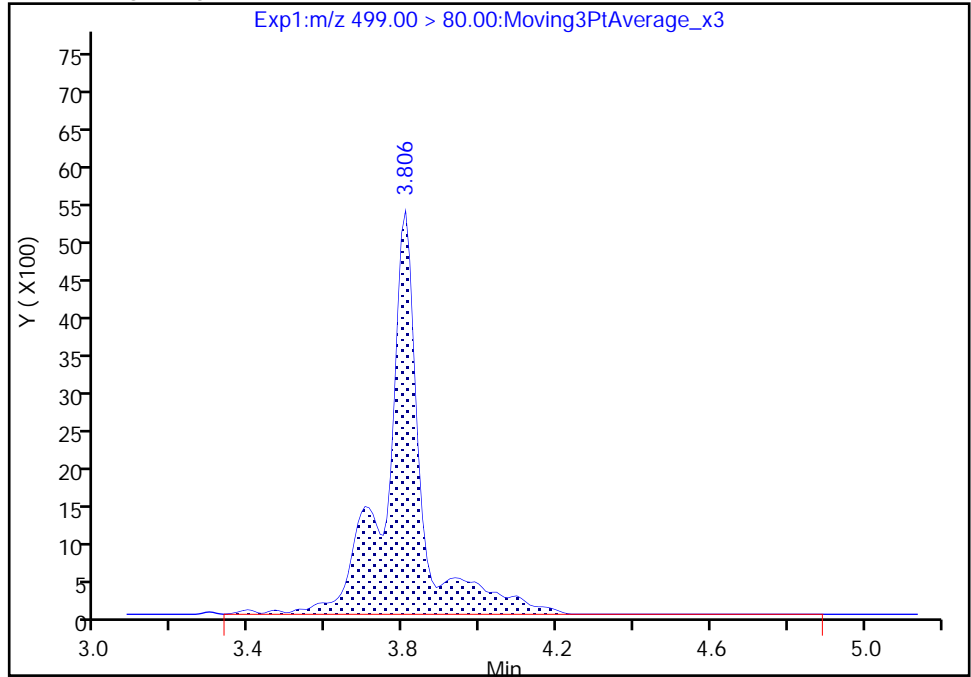
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

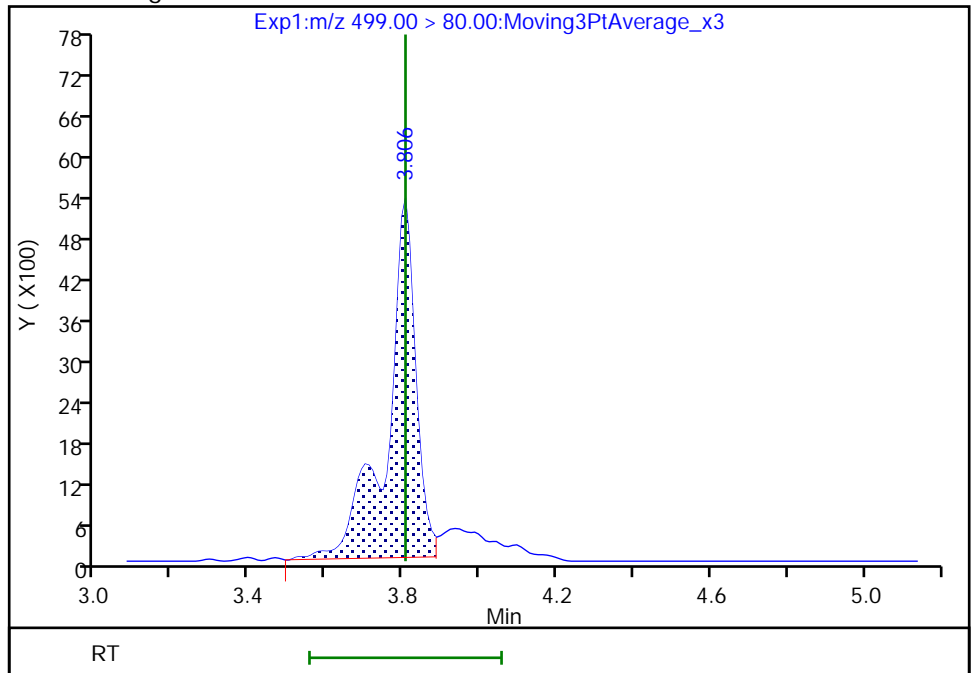
RT: 3.81  
Area: 33869  
Amount: 0.046531  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 27324  
Amount: 0.051360  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:41:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

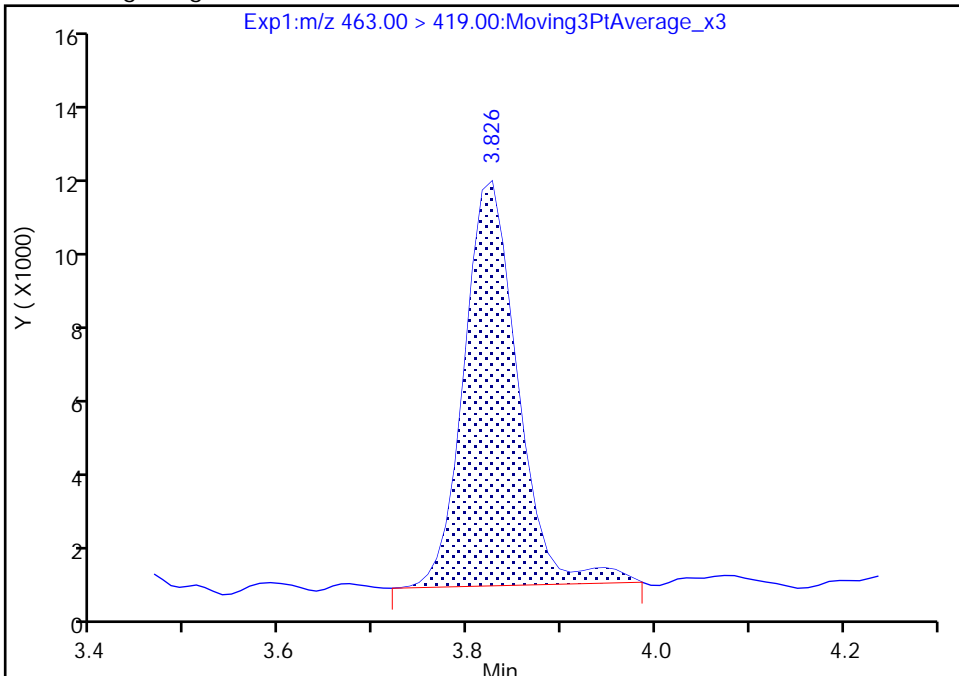
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

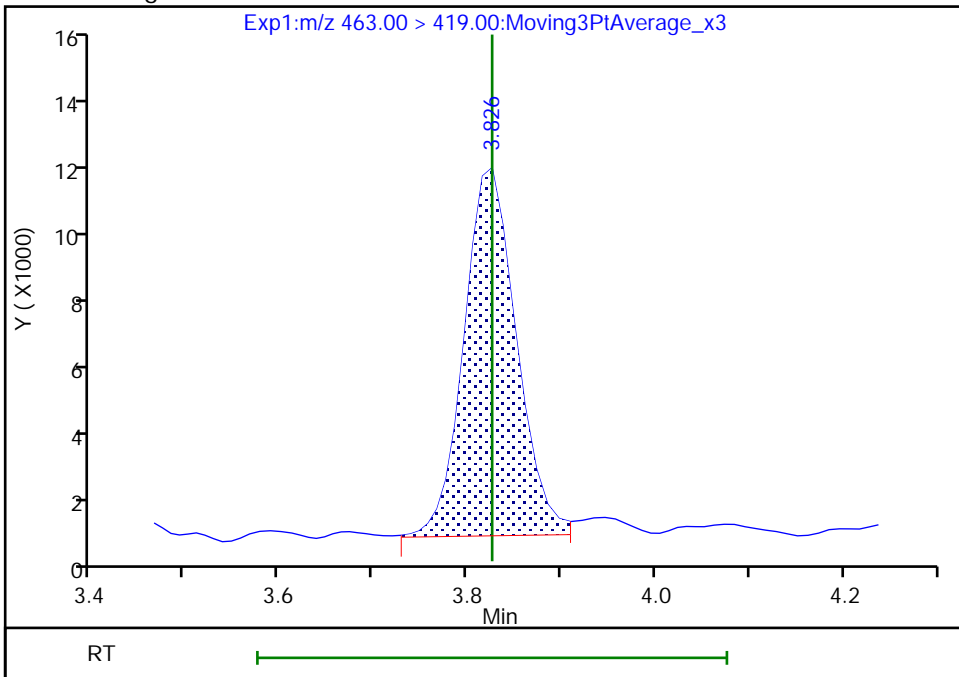
RT: 3.83  
Area: 40725  
Amount: 0.050765  
Amount Units: ng/ml

Processing Integration Results



RT: 3.83  
Area: 40080  
Amount: 0.057459  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:42:29  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

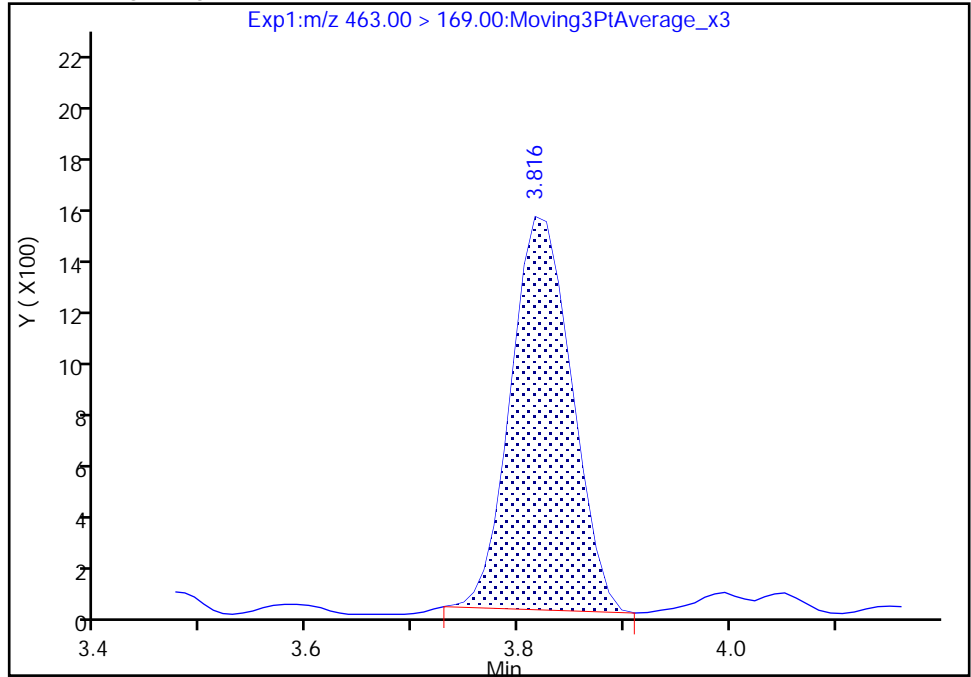
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

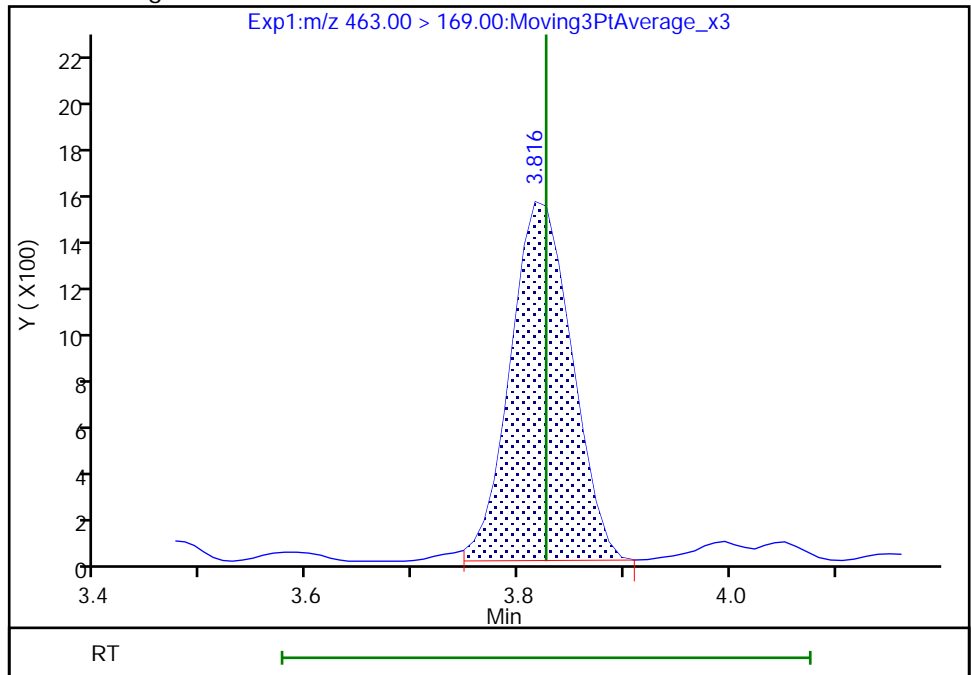
RT: 3.82  
Area: 6170  
Amount: 0.050765  
Amount Units: ng/ml

Processing Integration Results



RT: 3.82  
Area: 6287  
Amount: 0.057459  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:42:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

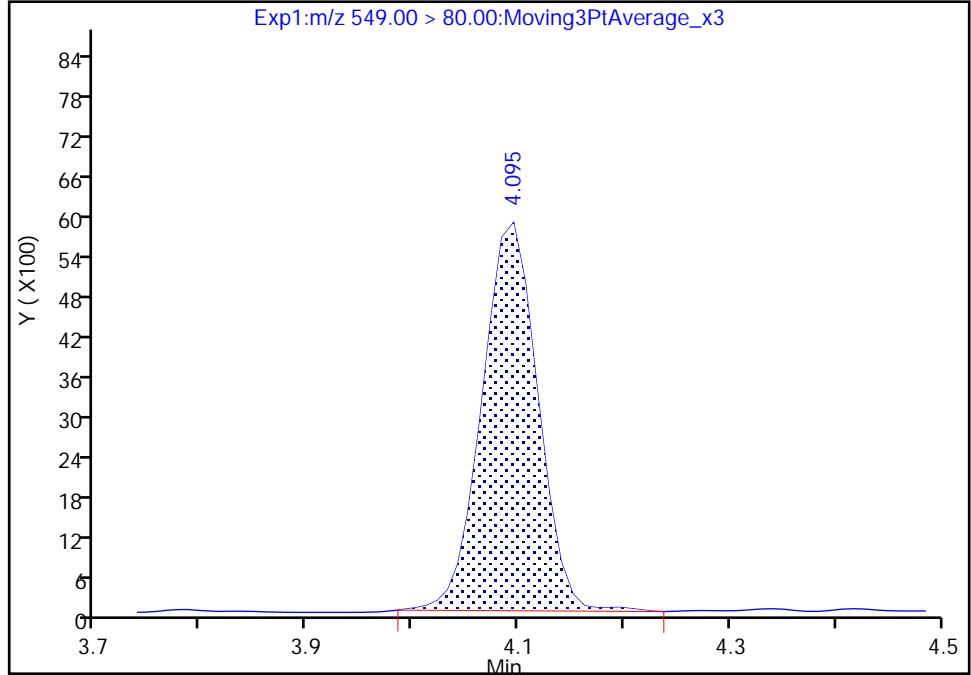
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

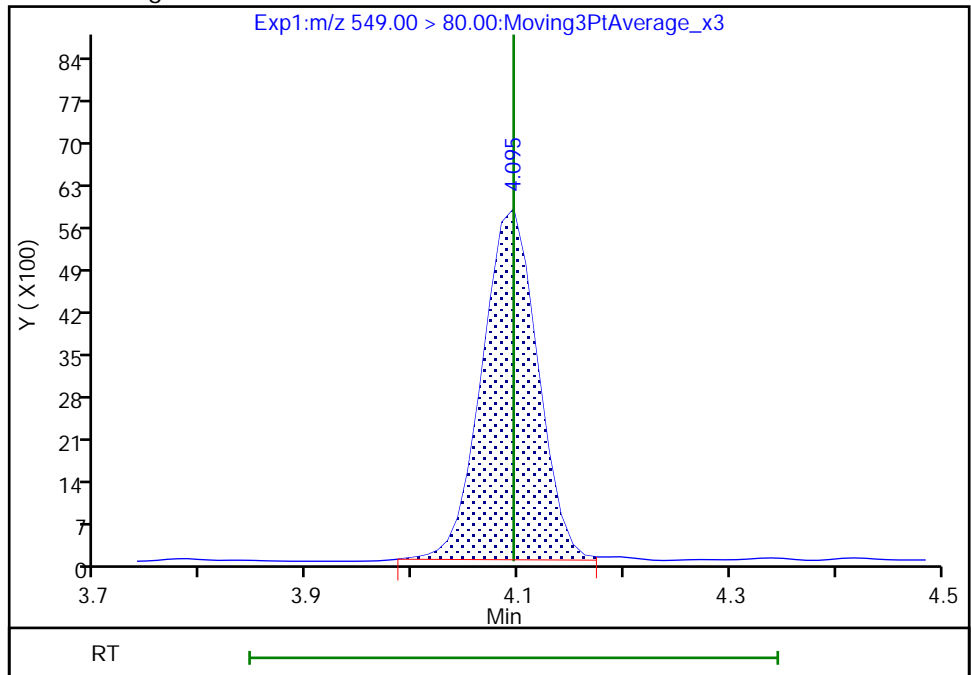
RT: 4.10  
Area: 21398  
Amount: 0.047565  
Amount Units: ng/ml

Processing Integration Results



RT: 4.10  
Area: 21260  
Amount: 0.053562  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:42:43  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

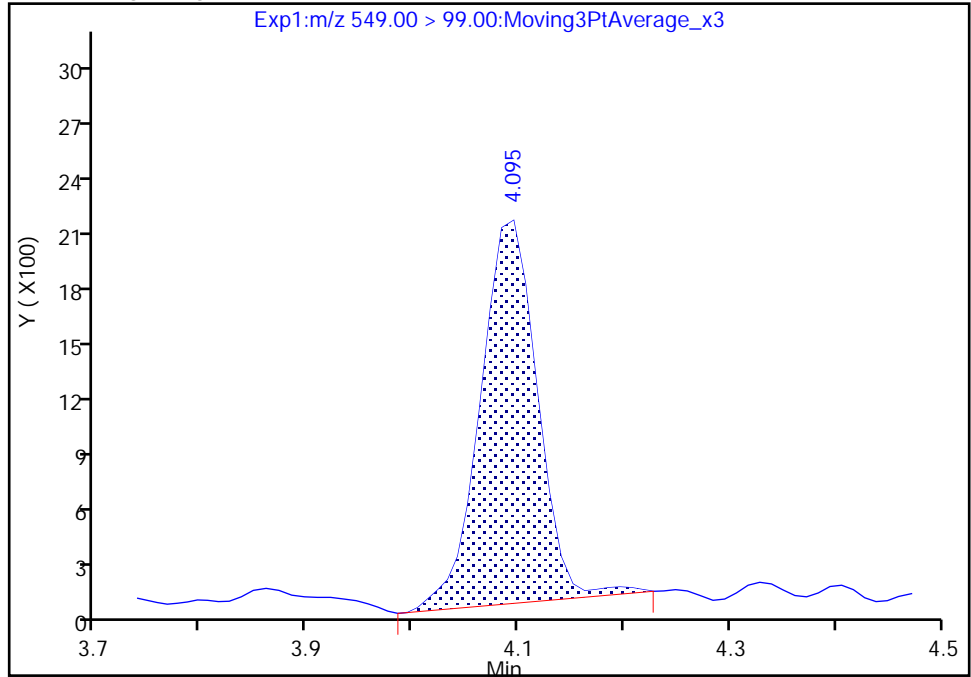
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

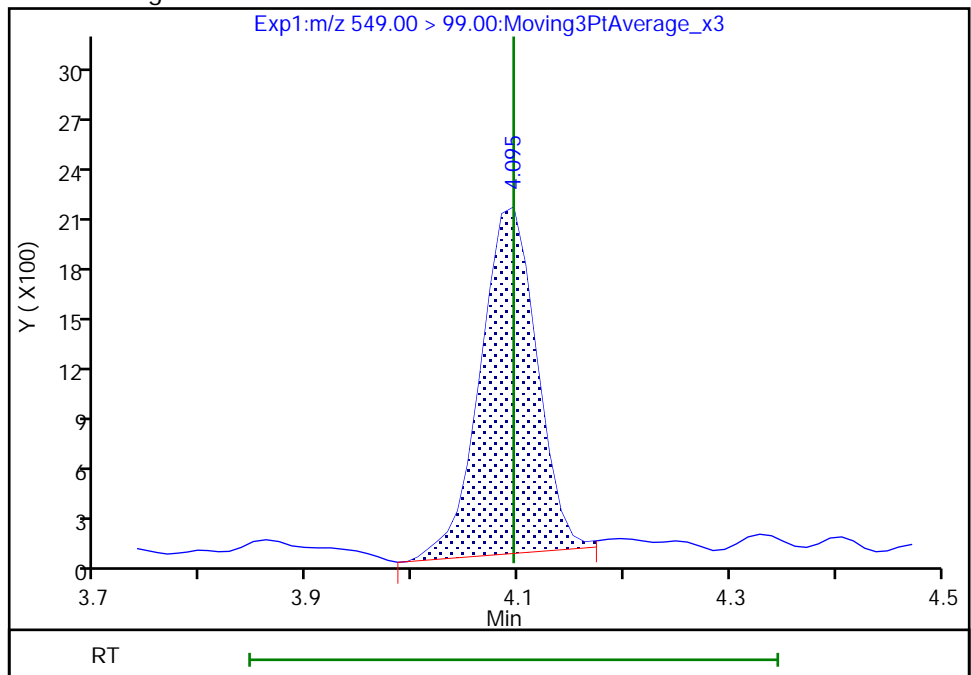
RT: 4.10  
Area: 7819  
Amount: 0.047565  
Amount Units: ng/ml

Processing Integration Results



RT: 4.10  
Area: 7735  
Amount: 0.053562  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:42:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

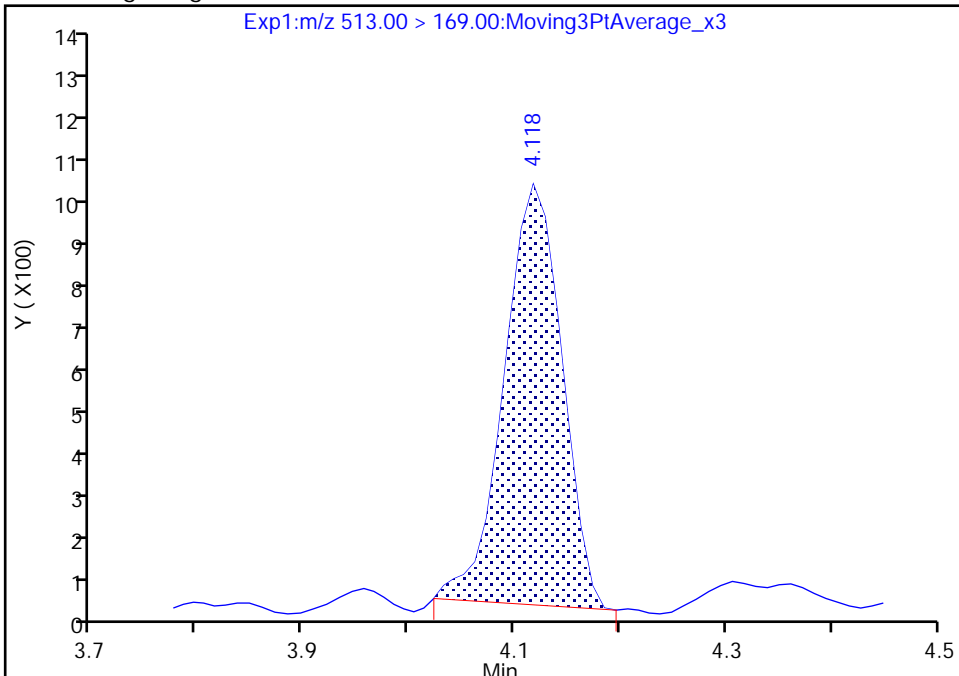
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

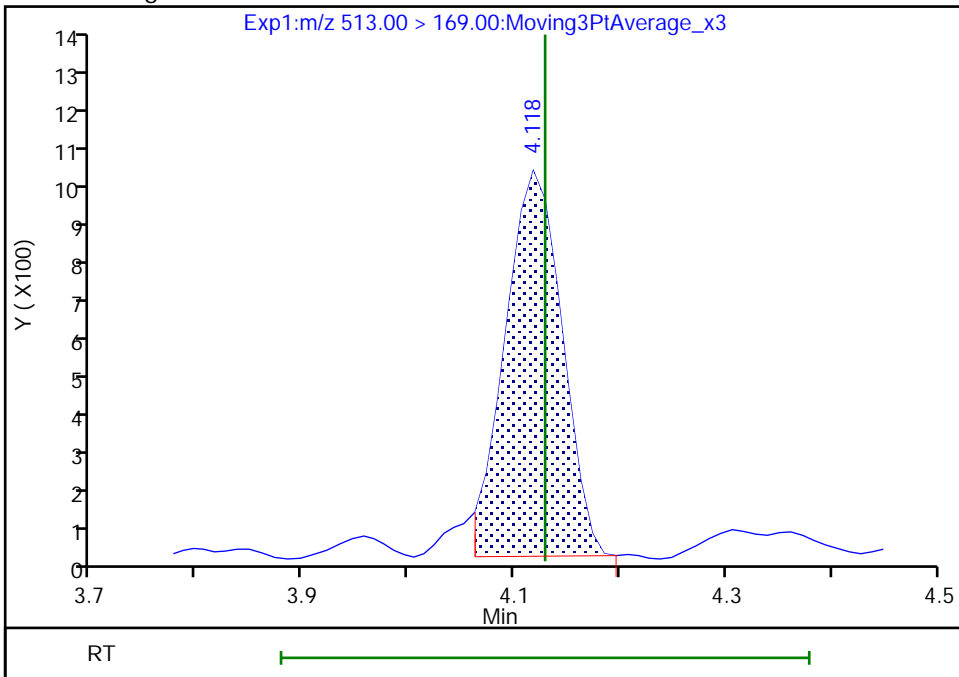
RT: 4.12  
Area: 3840  
Amount: 0.047221  
Amount Units: ng/ml

Processing Integration Results



RT: 4.12  
Area: 3824  
Amount: 0.051836  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:43:04  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

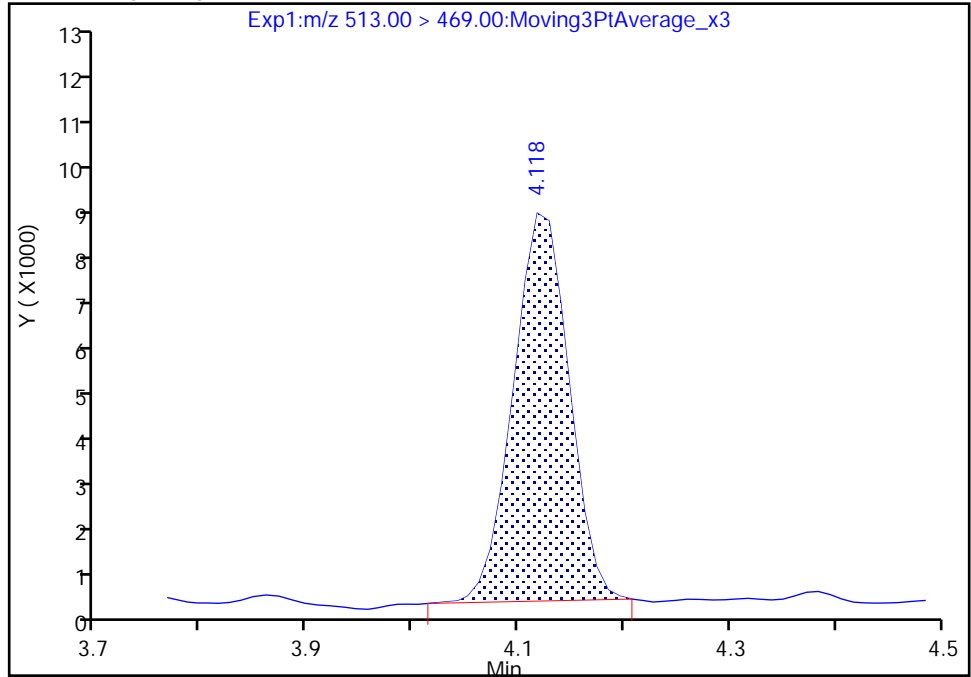
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

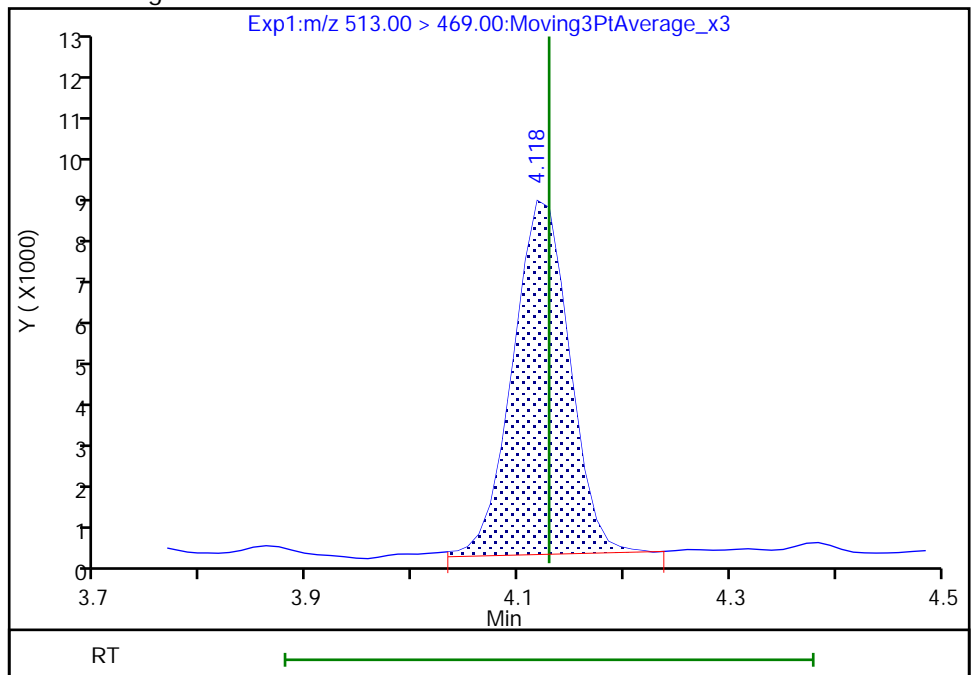
RT: 4.12  
Area: 30845  
Amount: 0.047221  
Amount Units: ng/ml

Processing Integration Results



RT: 4.12  
Area: 31691  
Amount: 0.051836  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:43:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Euofins TestAmerica, Burlington

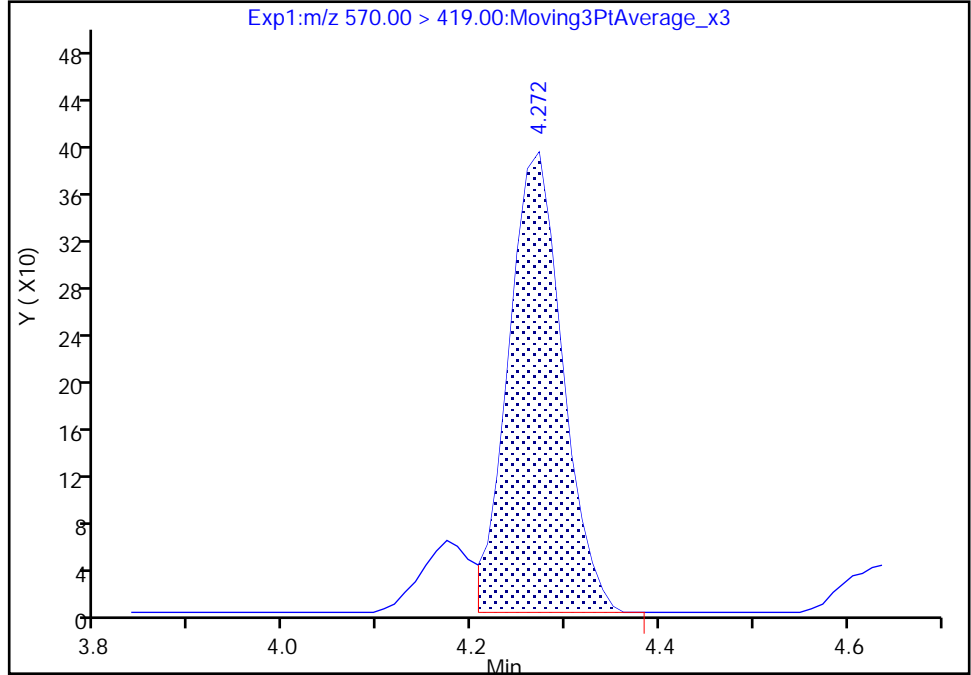
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

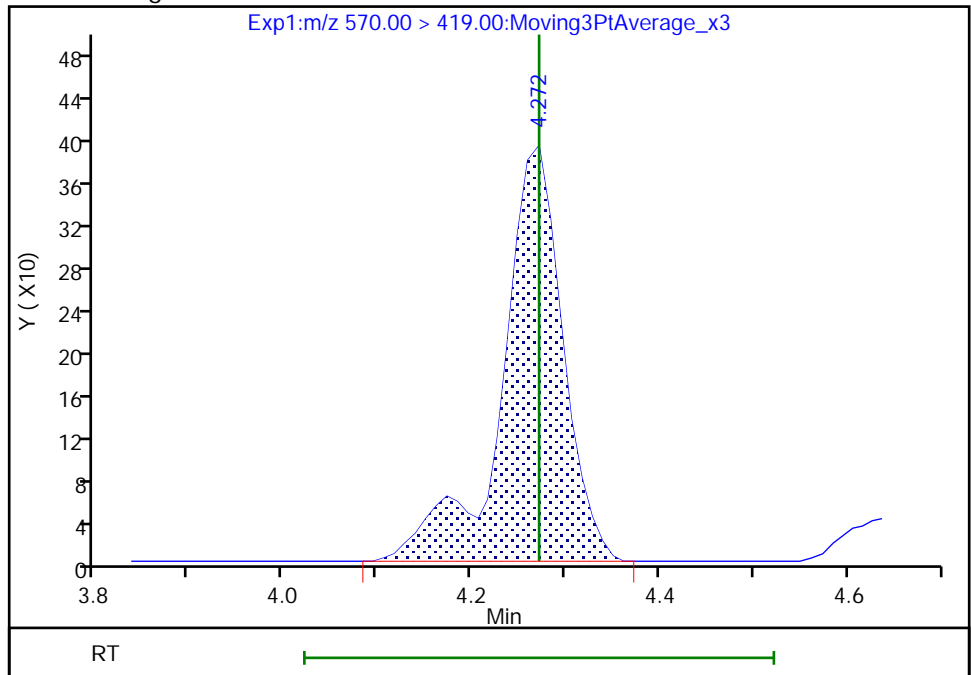
RT: 4.27  
Area: 1554  
Amount: 0.046107  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 1773  
Amount: 0.050113  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:43:23  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

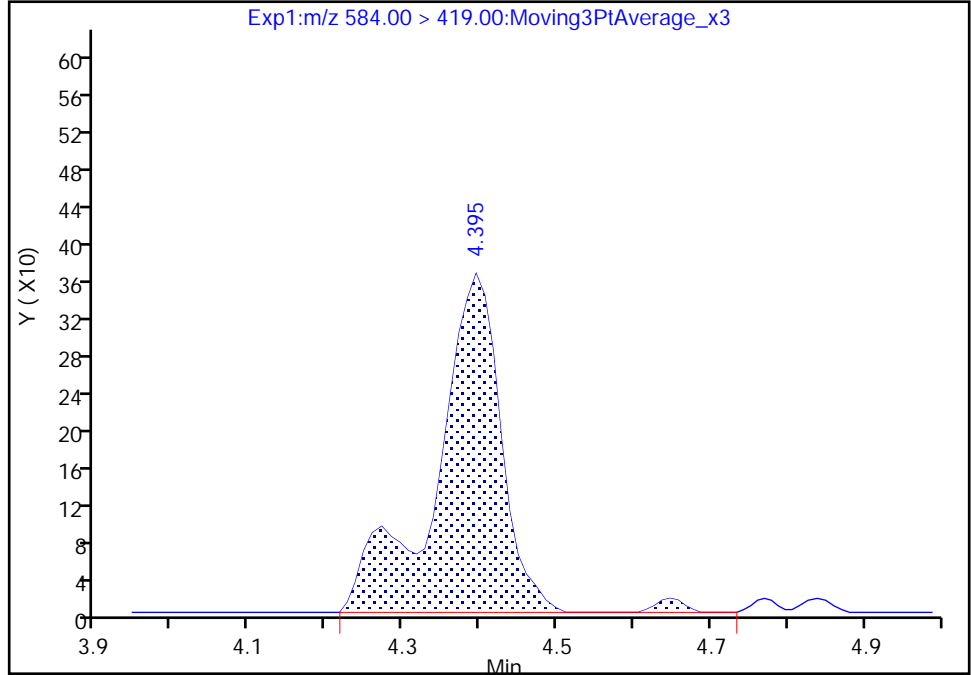
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

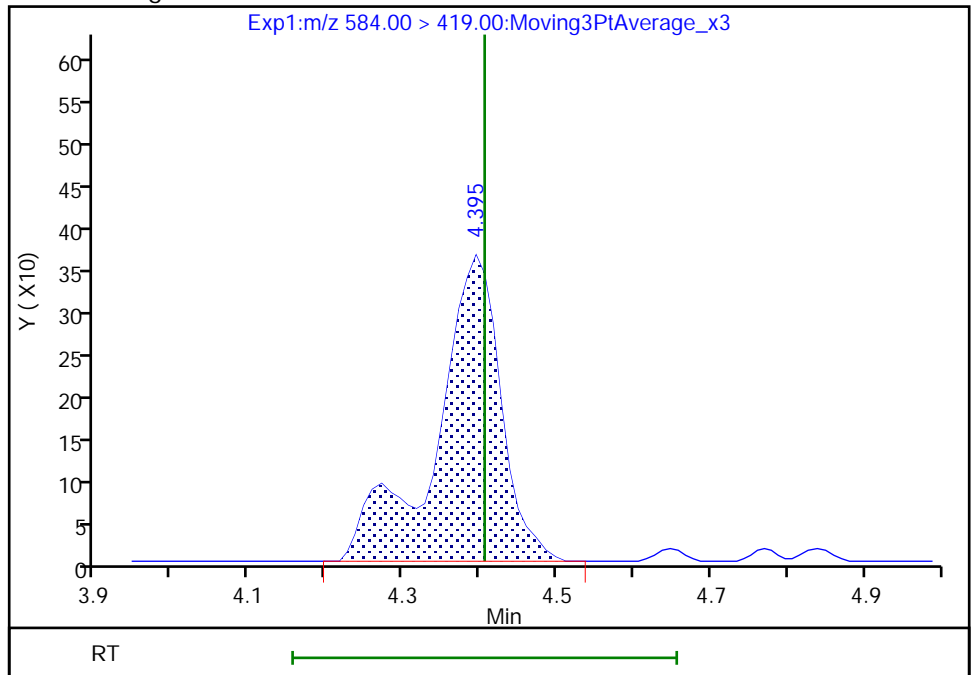
RT: 4.39  
Area: 2167  
Amount: 0.054458  
Amount Units: ng/ml

Processing Integration Results



RT: 4.39  
Area: 2130  
Amount: 0.058551  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:43:40  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

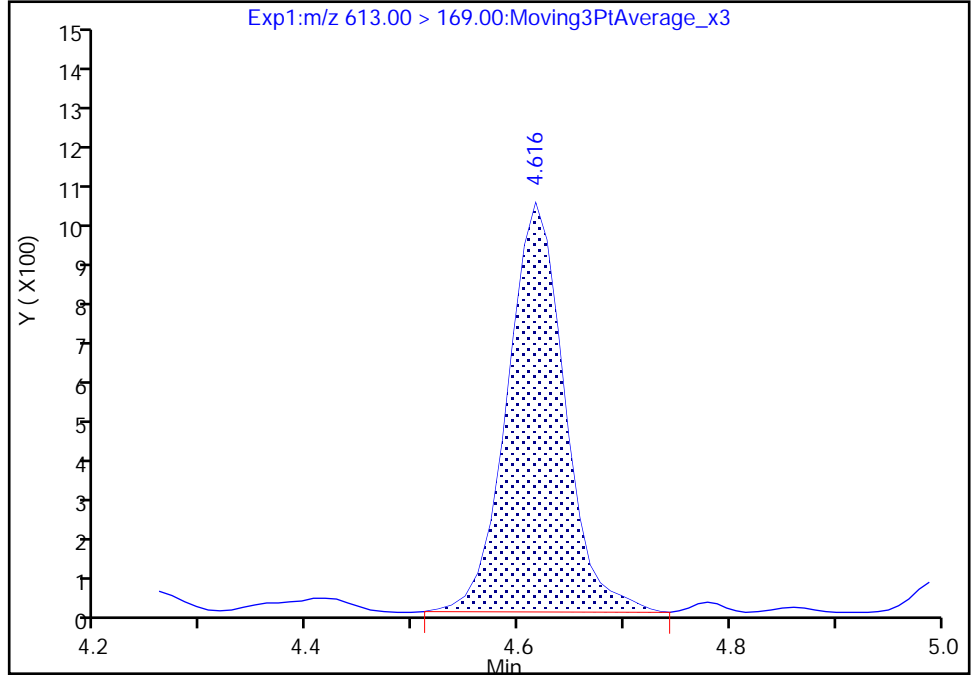
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

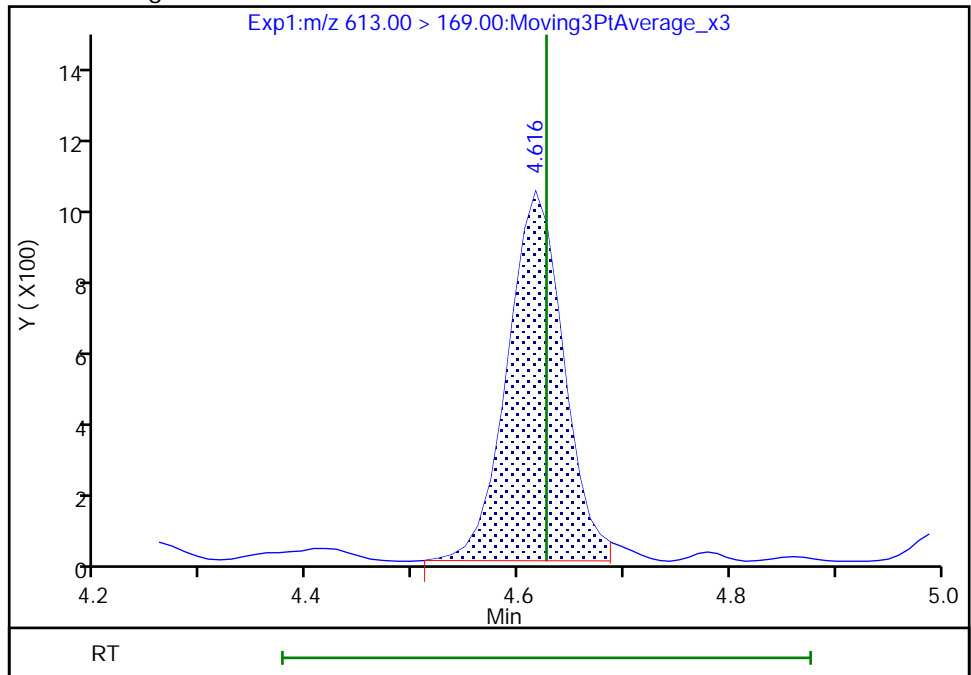
RT: 4.62  
Area: 3910  
Amount: 0.048356  
Amount Units: ng/ml

Processing Integration Results



RT: 4.62  
Area: 3833  
Amount: 0.054276  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:43:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

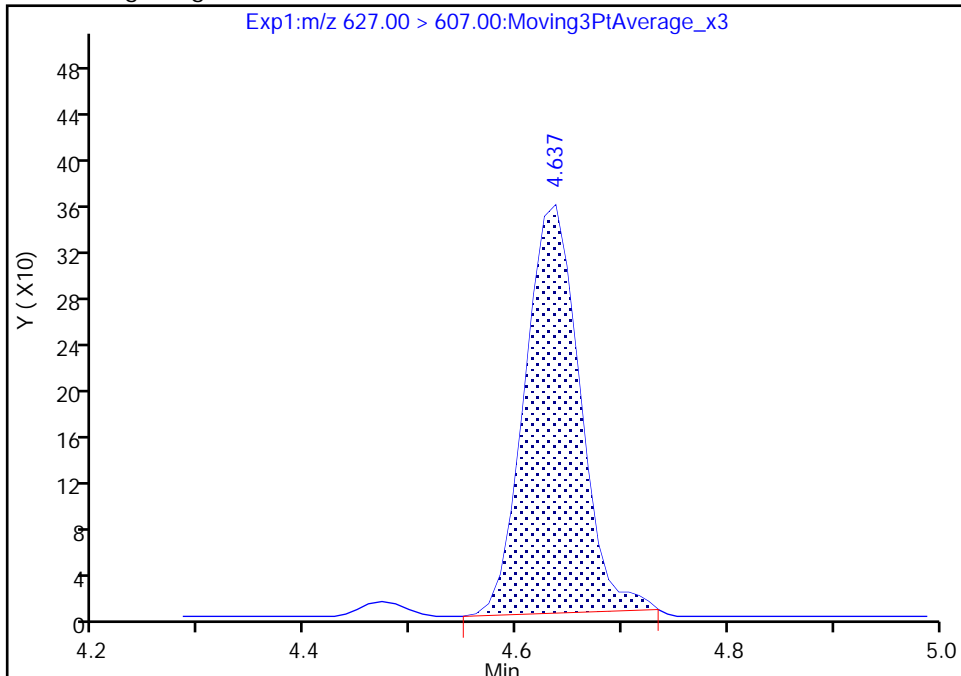
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

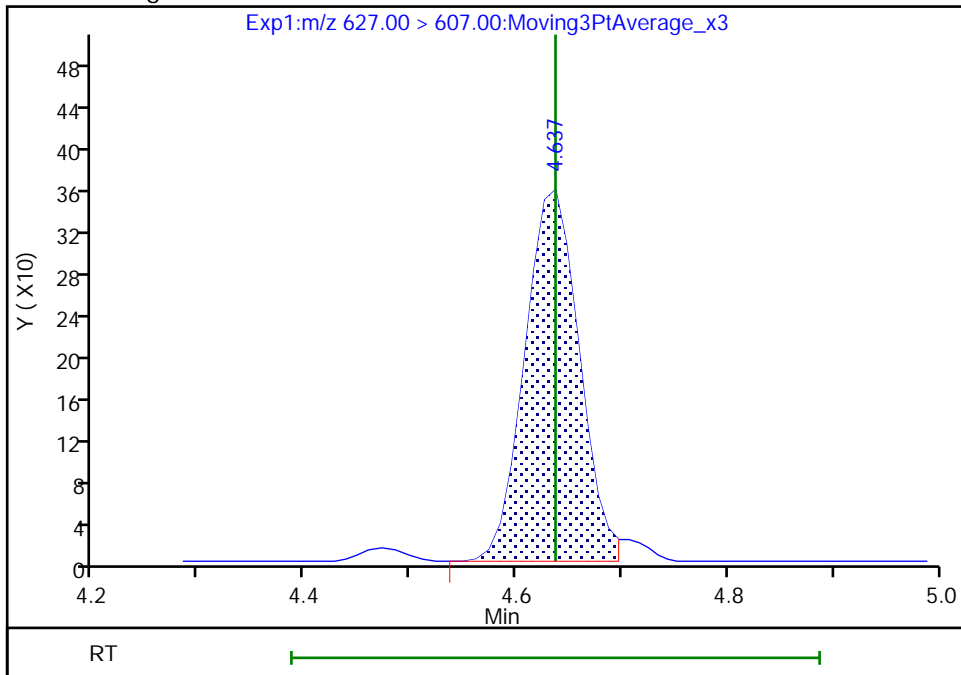
RT: 4.64  
Area: 1287  
Amount: 0.045204  
Amount Units: ng/ml

Processing Integration Results



RT: 4.64  
Area: 1284  
Amount: 0.040790  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:44:11  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

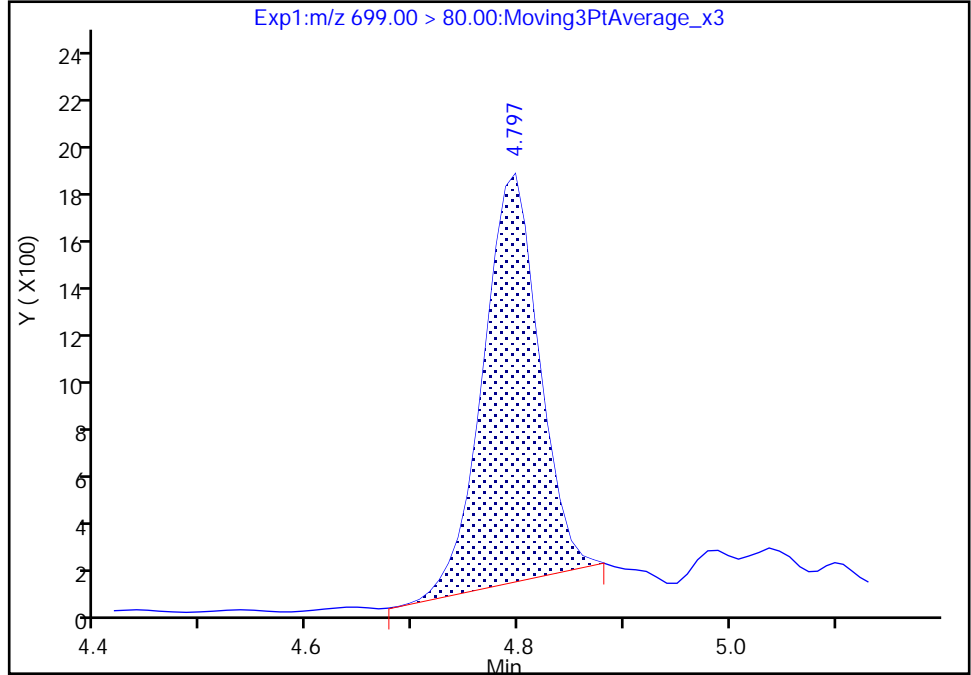
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

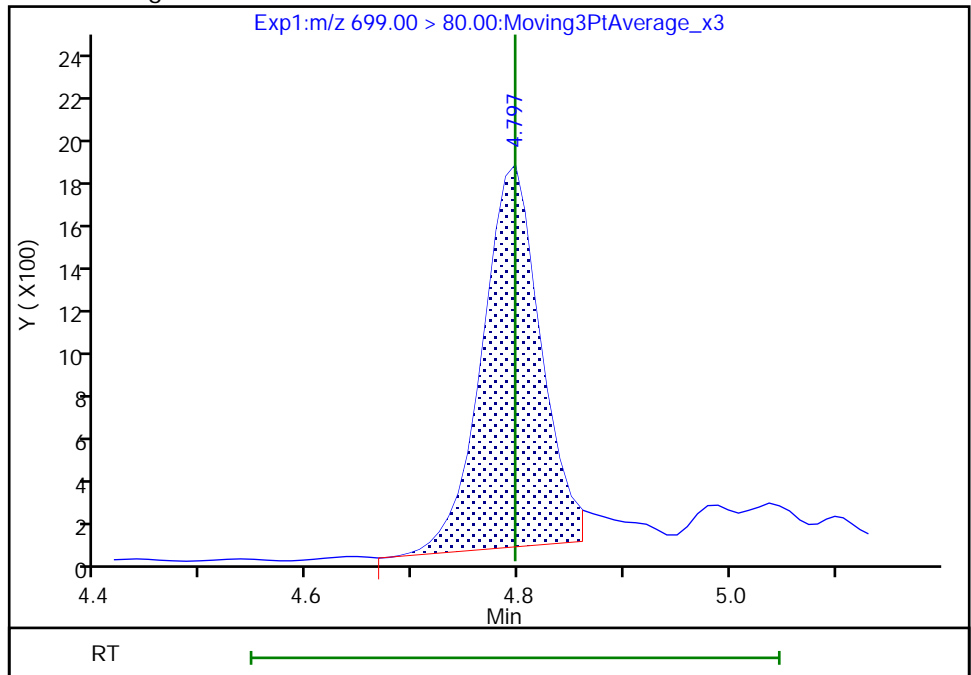
RT: 4.80  
Area: 6369  
Amount: 0.047233  
Amount Units: ng/ml

Processing Integration Results



RT: 4.80  
Area: 6843  
Amount: 0.058777  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:44:24  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

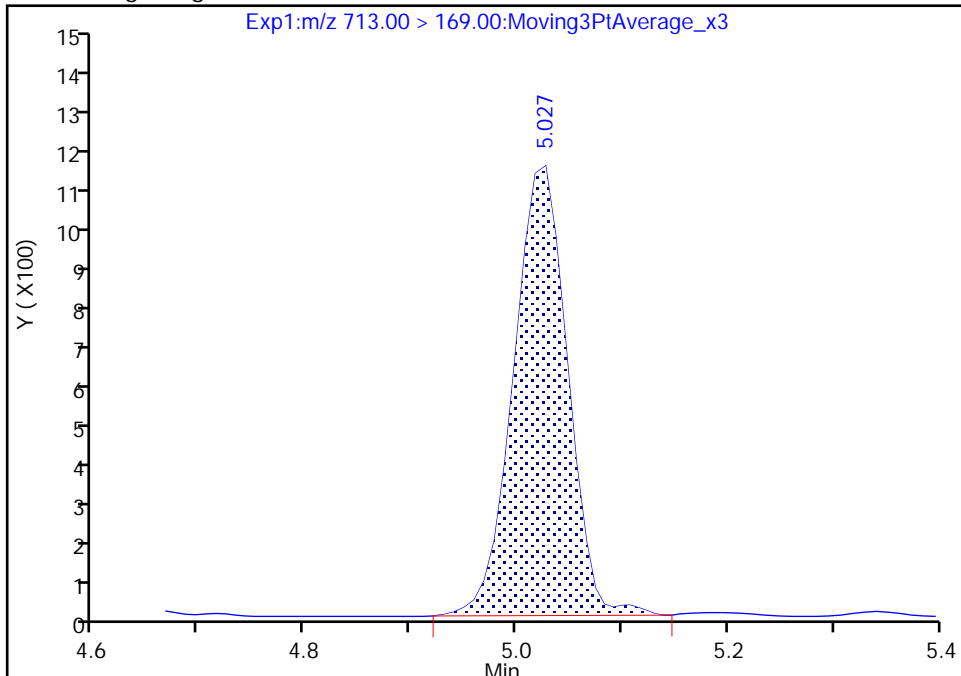
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

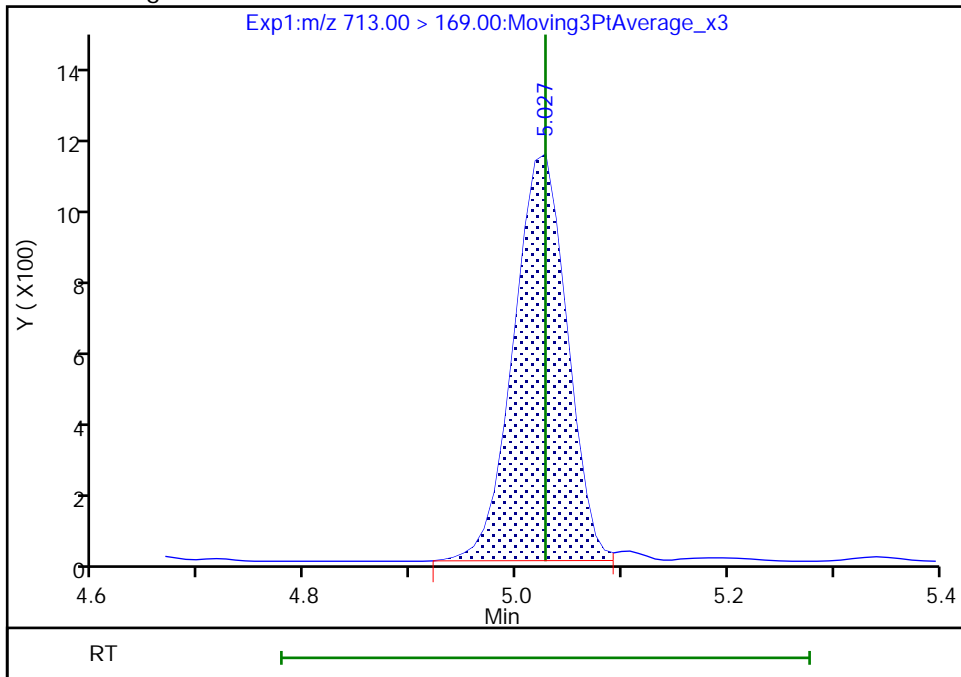
RT: 5.03  
Area: 3835  
Amount: 0.052002  
Amount Units: ng/ml

Processing Integration Results



RT: 5.03  
Area: 3795  
Amount: 0.055490  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:44:36  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

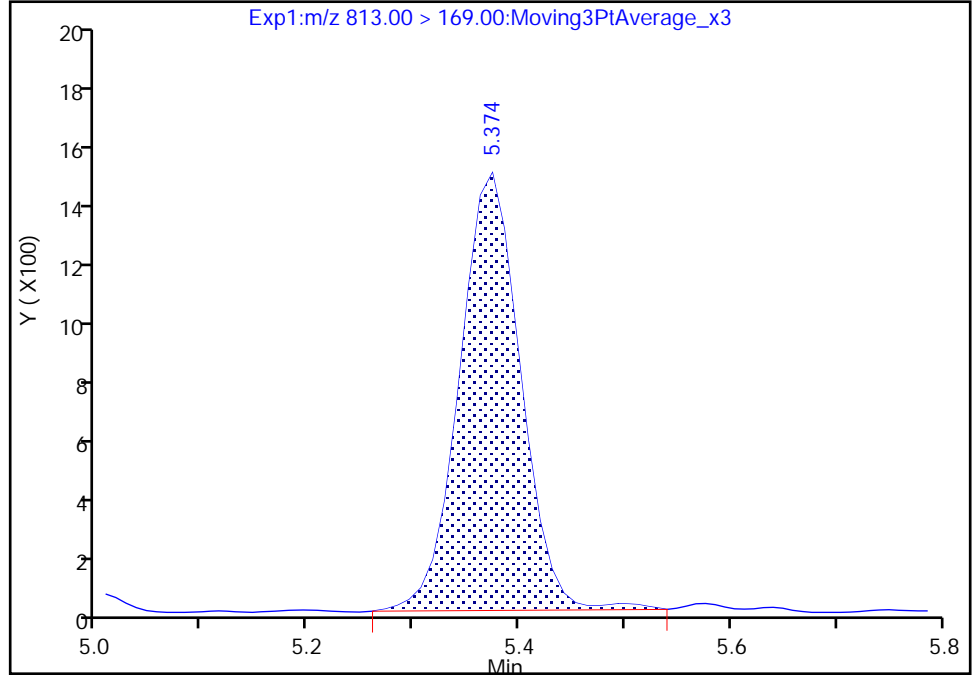
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d  
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

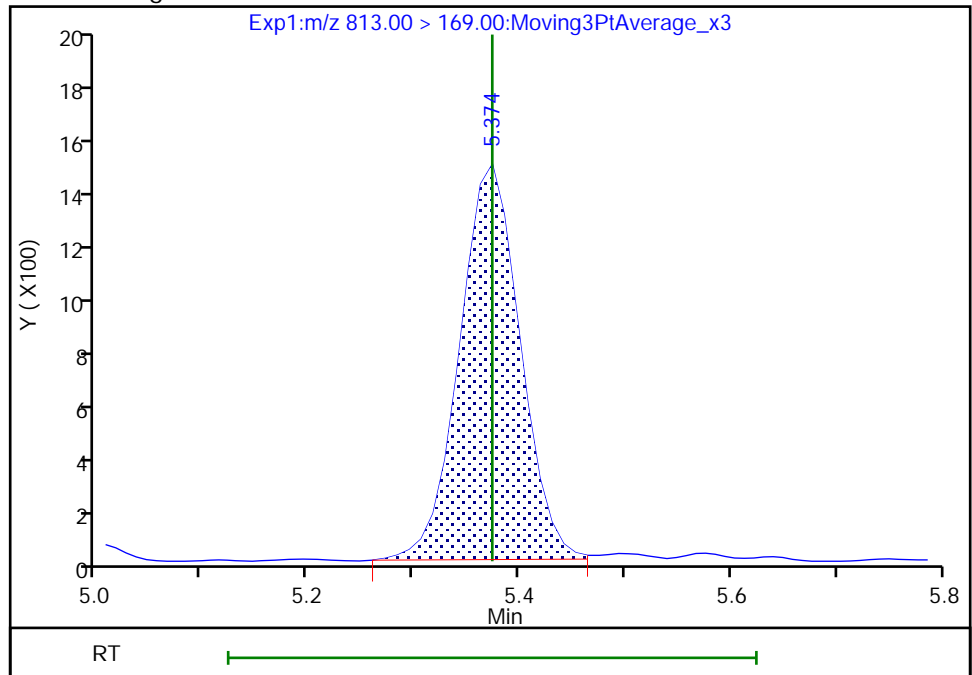
RT: 5.37  
Area: 5918  
Amount: 0.048807  
Amount Units: ng/ml

Processing Integration Results



RT: 5.37  
Area: 5860  
Amount: 0.048147  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:44:42  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
 Lims ID: IC  
 Client ID:  
 Sample Type: IC Calib Level: 2  
 Inject. Date: 22-Dec-2020 12:56:31 ALS Bottle#: 3 Worklist Smp#: 9  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: IC  
 Misc. Info.: 200-0044184-009 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 14:39:23 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:14:51

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.089	2.091	-0.002	0.598	1386458	1.17	93.5	10763	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.000	118541	0.1067		107	14.5	M
D 3 13C5 PFPeA	267.90 > 223.00	2.411	2.414	-0.003	0.690	1030251	1.20	96.1	3380	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.414	-0.003	1.000	99455	0.1090		109	4.0	
D 47 13C3 PFBS	301.90 > 80.00	2.424	2.427	-0.003	0.694	1277928	1.13	97.4	252272	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.427	-0.003	1.000	116878	0.0940	Target=2.21	106	312	
298.90 > 99.00	2.424	2.427	-0.003	1.000	52401		2.23(1.10-3.31)	106	67.4	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.735	-0.003	1.000	15740	0.0886		94.9	312	
D 60 M2-4:2 FTS	329.00 > 81.00	2.732	2.735	-0.003	0.782	113101	1.20	103	114	M
D 7 13C2 PFHxA	315.00 > 270.00	2.756	2.771	-0.015	0.789	1097468	1.22	97.7	3242	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.771	-0.003	1.004	95637	0.0997	Target=12.17	99.7	23.1	
313.00 > 119.00	2.756	2.771	-0.015	1.000	8260		11.58(6.09-18.26)	99.7	14.9	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.768	2.771	-0.003	0.884	105420	0.0994	Target=3.32	106	388	
349.00 > 99.00	2.768	2.771	-0.003	0.884	33039		3.19(1.66-4.98)	106	68.2	M
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.866	2.881	-0.015	0.996	21331	0.1039		104	2.4	M



Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.881	-0.003	0.824	185233	1.17		93.7	1519	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	956077	1.14		96.3	3982	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.122	3.133	-0.011	0.997	94508	0.0992	Target=4.08	109	112	M
399.00 > 99.00	3.122	3.133	-0.011	0.997	22626		4.18(2.04-6.11)	109	20.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	1019298	1.18		94.8	1684	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	99874	0.1121	Target=3.70	112	26.0	M
363.00 > 169.00	3.132	3.133	-0.001	1.000	25333		3.94(1.85-5.56)	112	73.0	
77 DONA										
377.00 > 251.00	3.164	3.176	-0.012	0.832	183369	0.0959	Target=2.47	102	246	
377.00 > 85.00	3.164	3.176	-0.012	0.832	75776		2.42(1.23-3.70)	102	77.5	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.474	3.484	-0.010	0.913	77228	0.1002	Target=5.85	105	802	M
449.00 > 99.00	3.474	3.484	-0.010	0.913	13156		5.87(2.93-8.78)	105	96.8	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	122975	1.17		98.8	426	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	10738	0.0932		98.3	187	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	1101215	1.26		101	3358	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		1103718	1.25			2862	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.492	3.493	-0.001	1.000	98345	0.1030	Target=2.58	103	23.3	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	37378		2.63(1.29-3.87)	103	85.8	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	682230	1.18		99.0	1801	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.804	3.806	-0.002	1.000	64913	0.0989	Target=5.56	107	101	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	11330		5.73(2.78-8.34)	107	48.4	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	964938	1.25		100	2839	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	87340	0.1022	Target=6.87	102	14.1	
463.00 > 169.00	3.825	3.826	-0.001	1.000	12785		6.83(3.43-10.30)	102	160	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.967	-0.003	1.042	66060	0.0902		96.8	406	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	49994	0.1021	Target=2.78	106	545	M
549.00 > 99.00	4.093	4.095	-0.002	1.076	17680		2.83(1.39-4.17)	106	50.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.129	-0.014	1.178	926205	1.26		101	5089	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.003	77566	0.1016	Target=9.03	102	57.4	
513.00 > 169.00	4.126	4.129	-0.003	1.003	7425		10.45(4.51-13.54)	102	62.2	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.140	-0.014	1.000	7849	0.1100		115	208	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.140	-0.014	1.182	125650	1.16		97.0	549	
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1350960	1.25		99.8	3463	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.205	4.207	-0.002	1.000	113239	0.1046		105	482	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.272	-0.015	1.219	69887	1.31		105	615	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.003	5218	0.1053		105	32.7	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	38256	0.0980	Target=2.76	102	327	
599.00 > 99.00	4.358	4.362	-0.004	1.146	13445		2.85(1.38-4.14)	102	58.5	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	753171	1.24		99.5	3341	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	64357	0.1047	Target=8.02	105	26.8	M
563.00 > 169.00	4.391	4.395	-0.004	1.000	7377		8.72(4.01-12.03)	105	119	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.395	-0.004	1.257	66544	1.29		103	433	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.402	4.406	-0.004	1.003	4802	0.0974		97.4	108	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	70930	0.0933		99.1	820	
D 36 13C2 PFDaA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	777582	1.22		97.3	2674	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	72835	0.1065	Target=6.85	106	20.2	
613.00 > 169.00	4.622	4.626	-0.004	1.000	10752		6.77(3.42-10.27)	106	245	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.632	4.637	-0.005	1.123	3634	0.0989		103	126	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.792	4.797	-0.005	1.260	14504	0.1009	Target=0.53	104	41.0	
699.00 > 99.00	4.792	4.797	-0.005	1.260	28153		0.52(0.26-0.79)	104	181	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	56462	0.1017	Target=4.48	102	18.4	
663.00 > 169.00	4.822	4.839	-0.017	1.043	12265		4.60(2.24-6.72)	102	220	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	598063	1.27		101	5734	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.000	8395	0.0946	Target=0.99	94.6	246	
713.00 > 219.00	5.014	5.027	-0.013	0.998	8166		1.03(0.50-1.49)	94.6	233	

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 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	635237	1.26		101	1942	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.372	5.374	-0.002	1.000	55625	0.1023	Target=4.02	102	14.4	
813.00 > 169.00	5.372	5.374	-0.002	1.000	13256		4.20(2.01-6.02)	102	365	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.720	5.722	-0.002	1.065	45299	0.0991	Target=3.88	99.1	29.9	
913.00 > 169.00	5.711	5.722	-0.011	1.063	11915		3.80(1.94-5.82)	99.1	261	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC2\_00006

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d

Injection Date: 22-Dec-2020 12:56:31

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

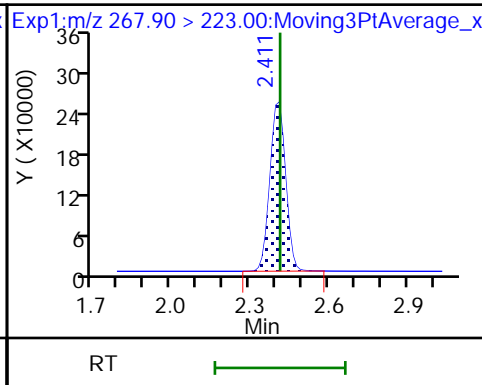
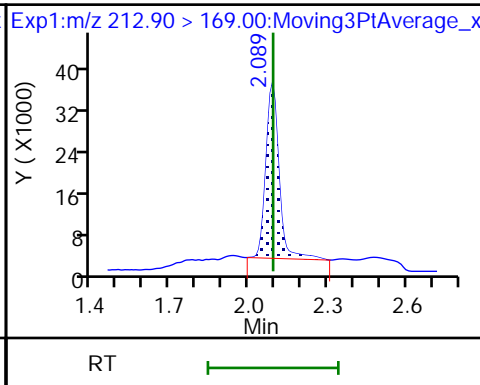
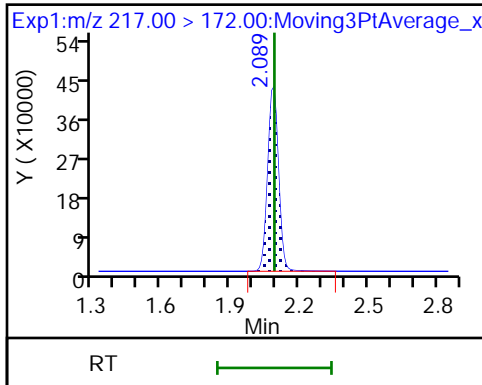
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

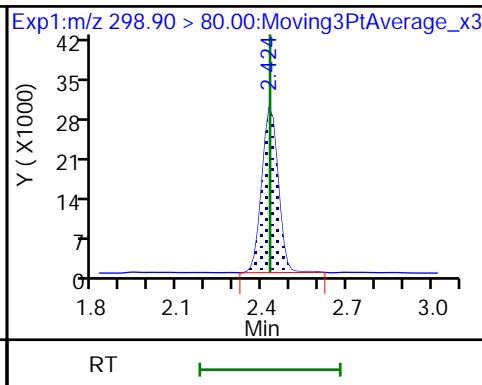
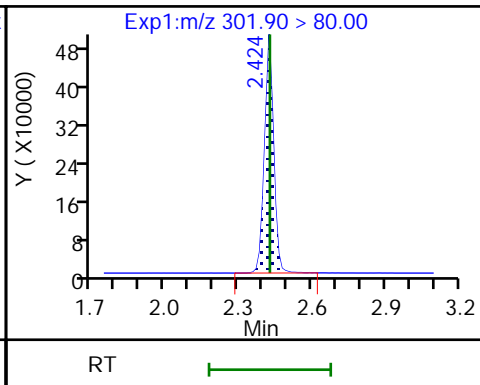
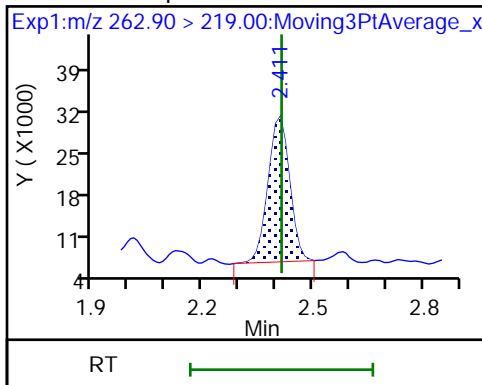
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

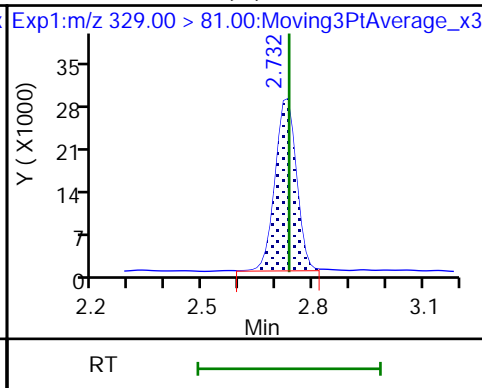
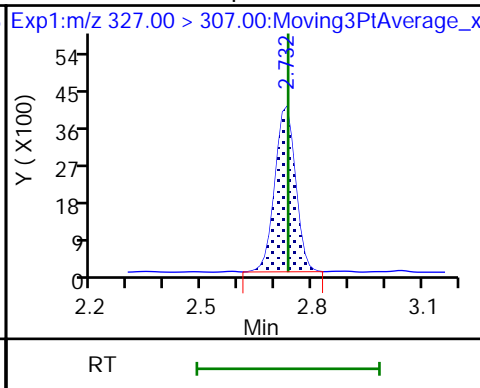
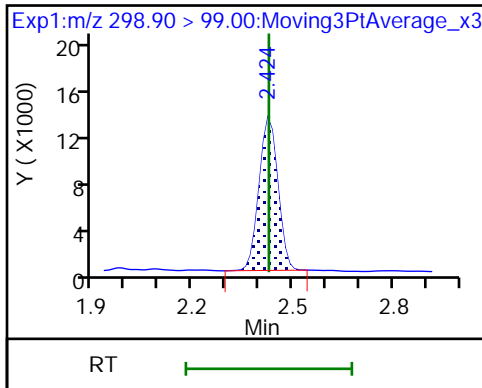
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

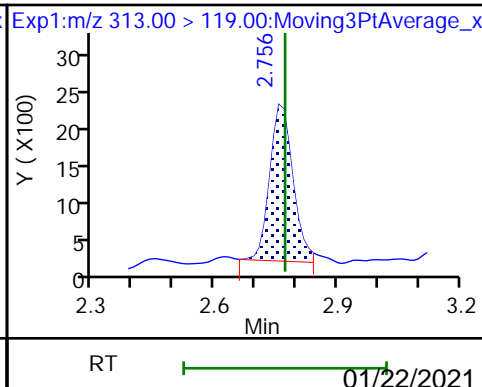
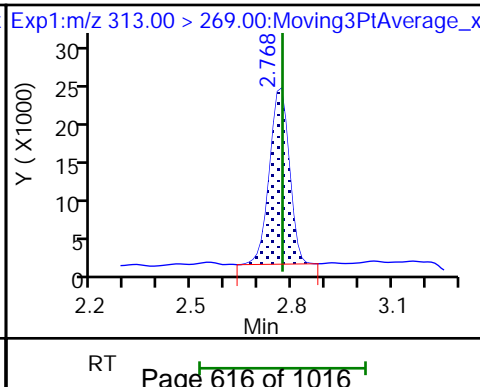
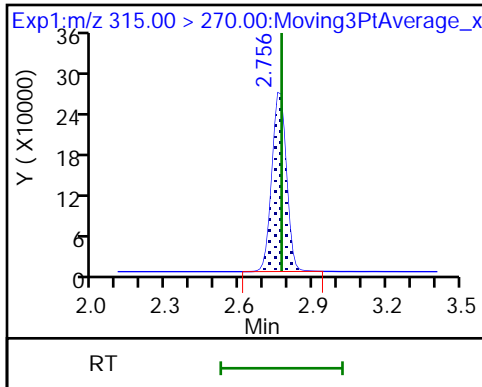
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)



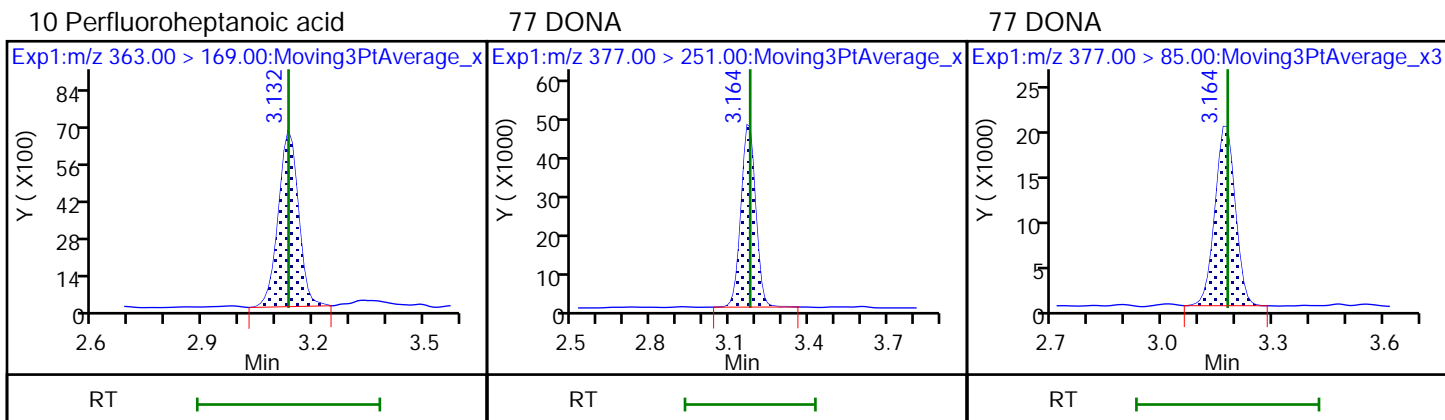
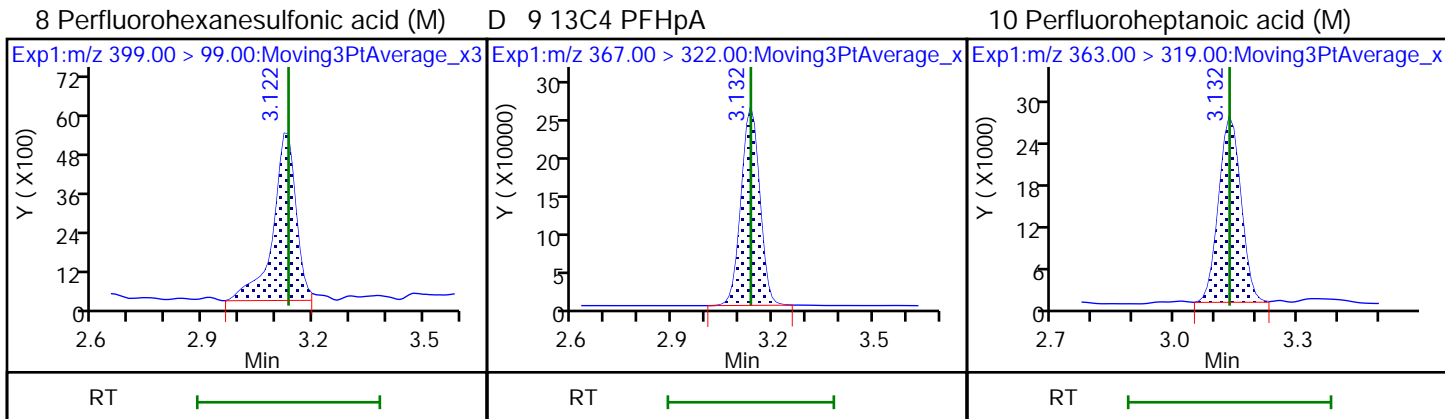
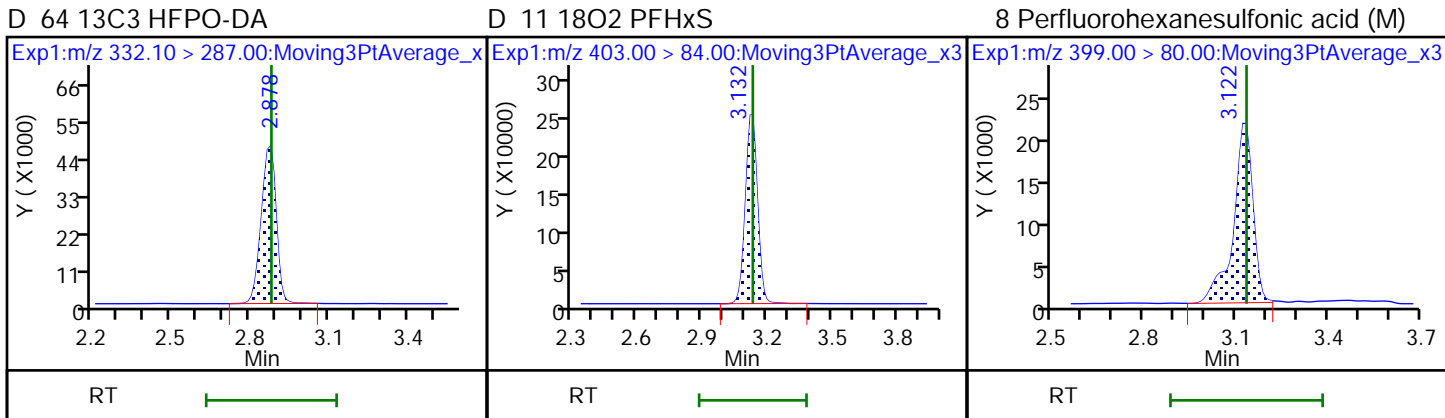
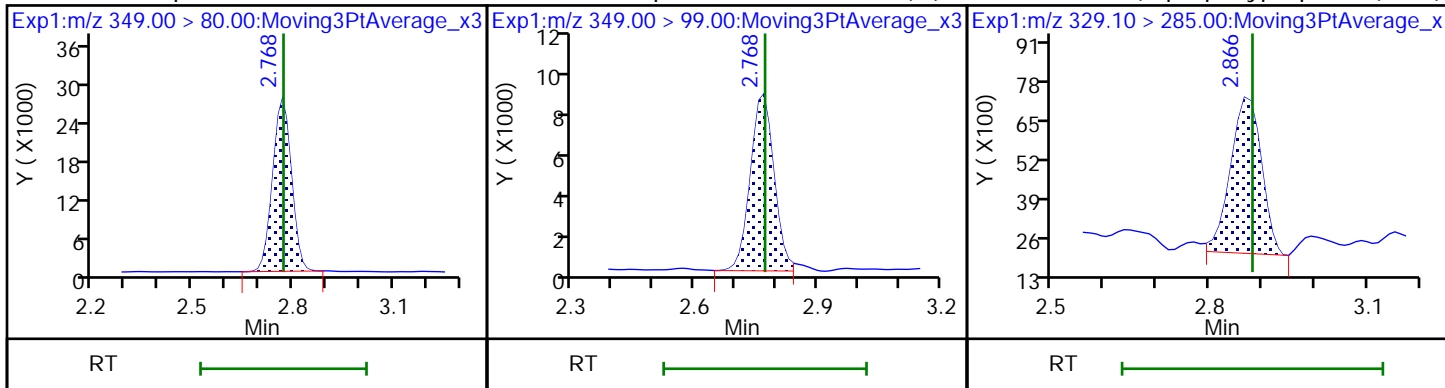
D 7 13C2 PFHxA

6 Perfluorohexanoic acid

6 Perfluorohexanoic acid (M)



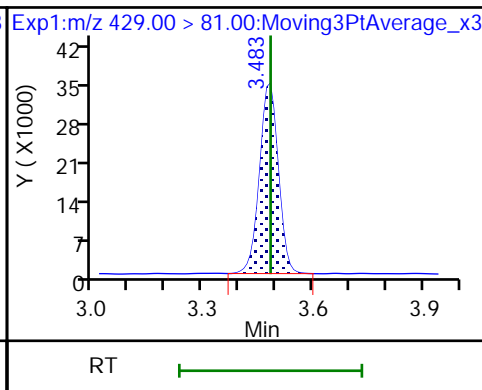
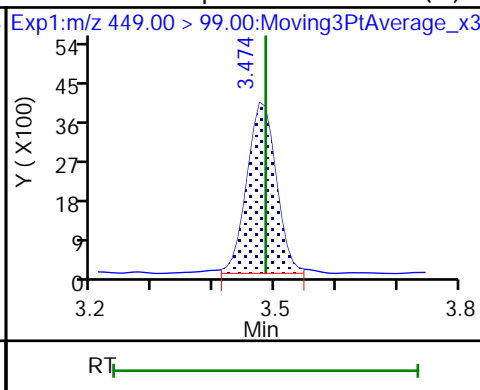
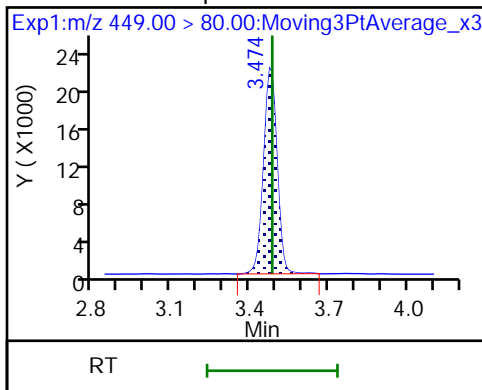
70 Perfluoropentanesulfonic acid      70 Perfluoropentanesulfonic acid (M)      67 Perfluoro(2-propoxypropanoic) ac (M)



16 Perfluoroheptanesulfonic acid

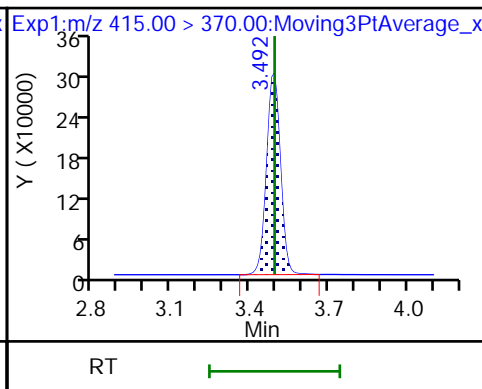
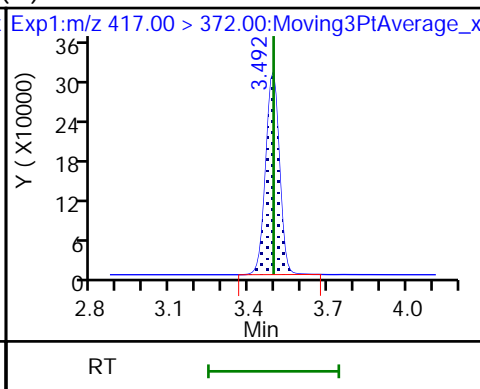
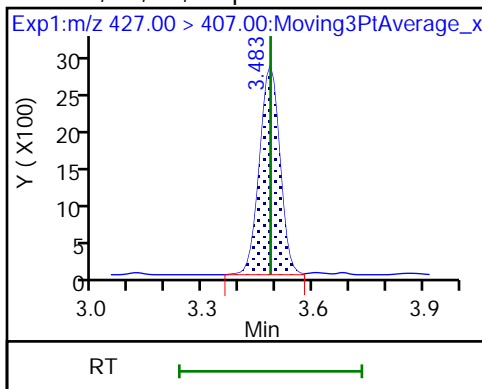
16 Perfluoroheptanesulfonic acid (M)

D 12 M2-6:2 FTS



13 1H,1H,2H,2H-perfluorooctanesulfo (M) 14 13C4 PFOA

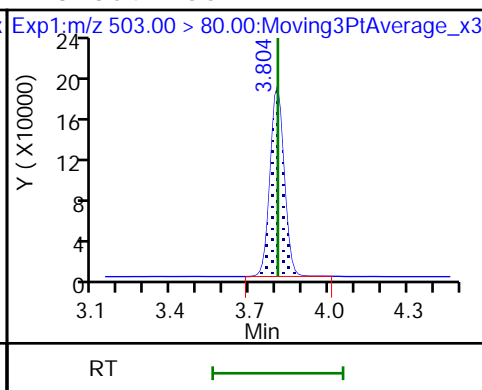
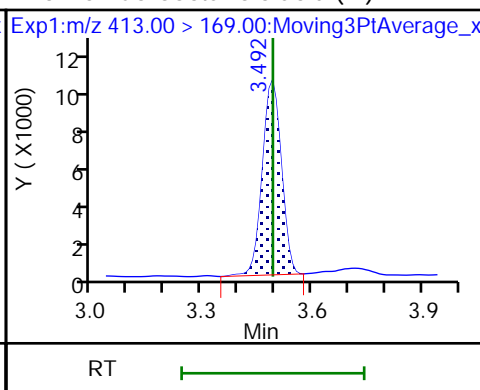
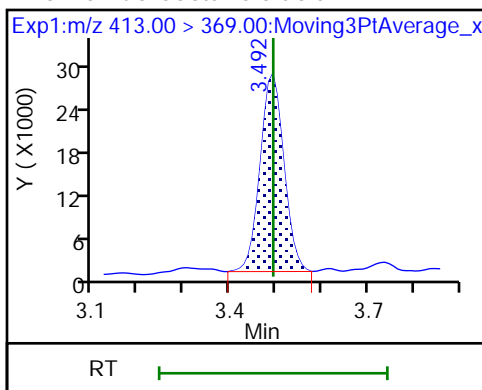
\* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

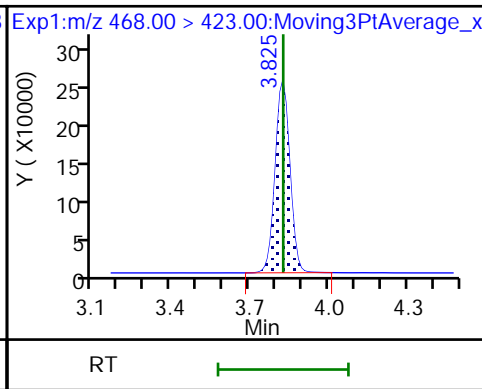
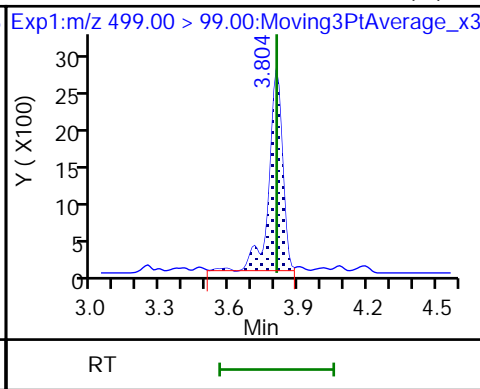
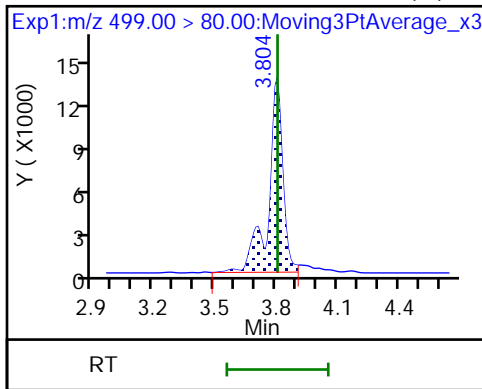
D 18 13C4 PFOS

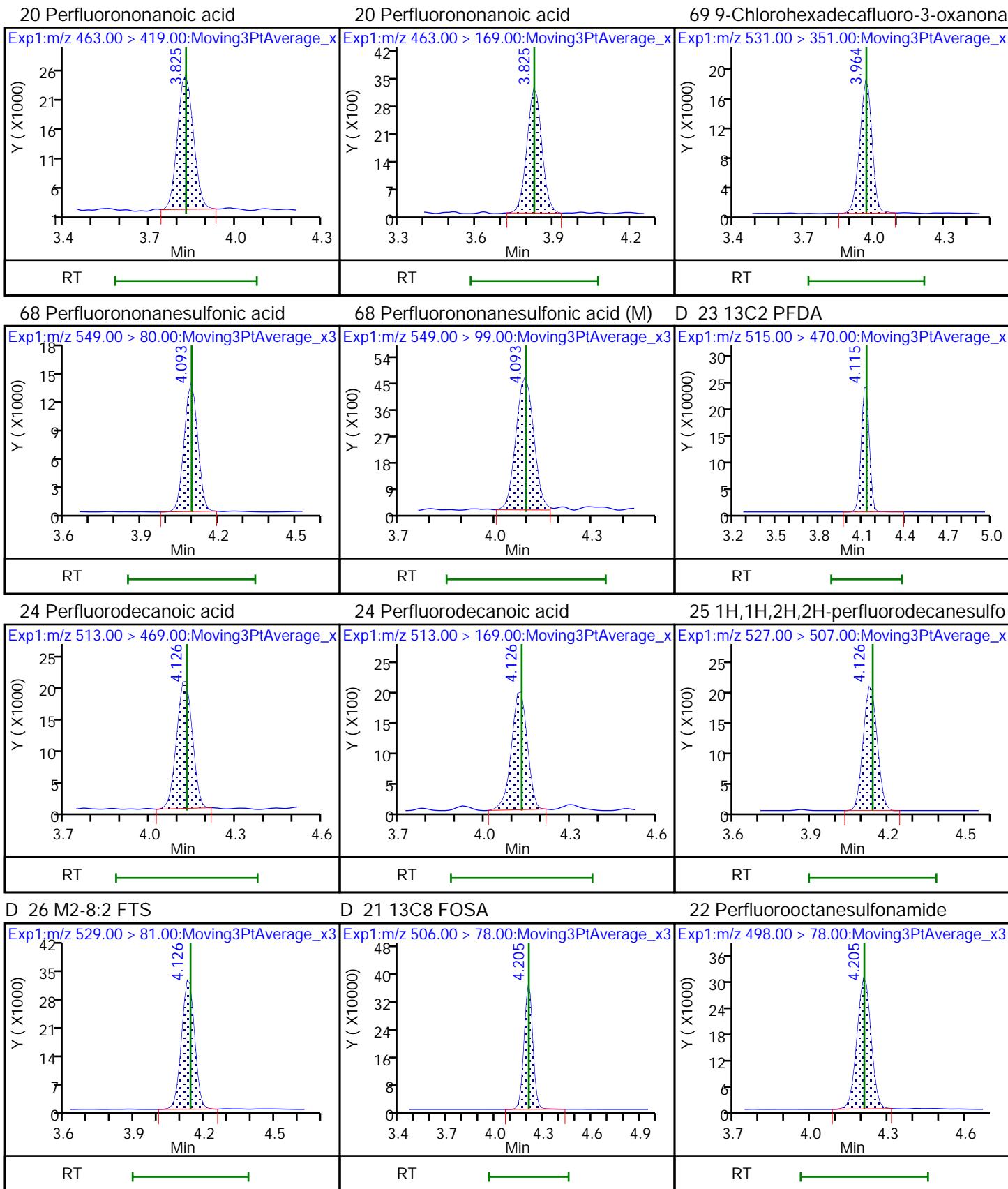


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

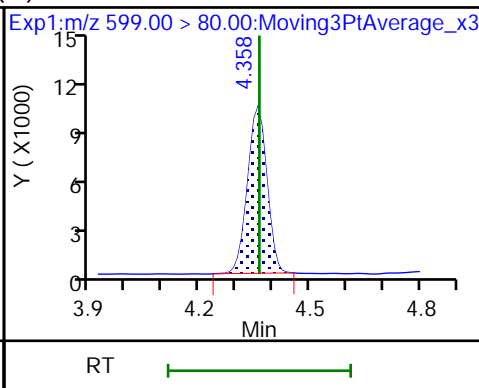
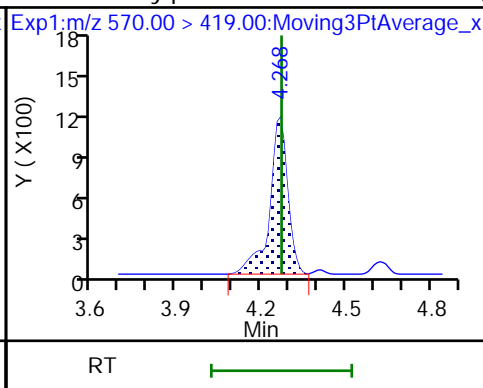
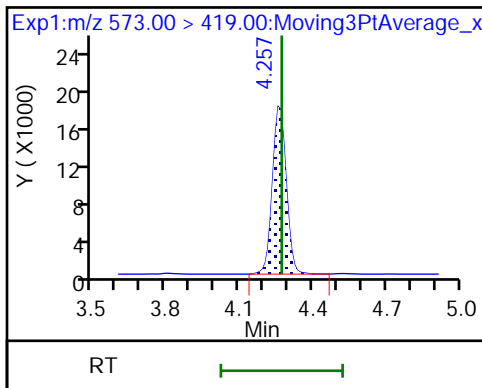
D 19 13C5 PFNA





D 27 d3-NMeFOSAA

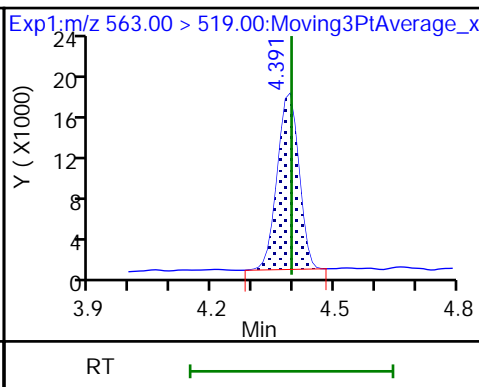
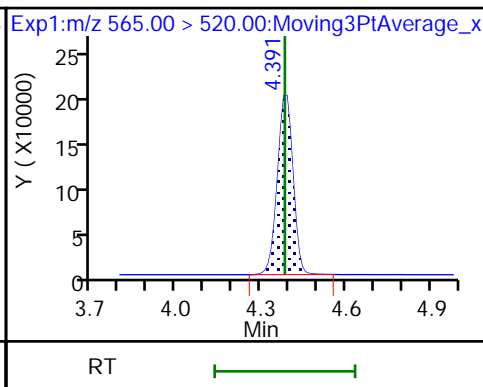
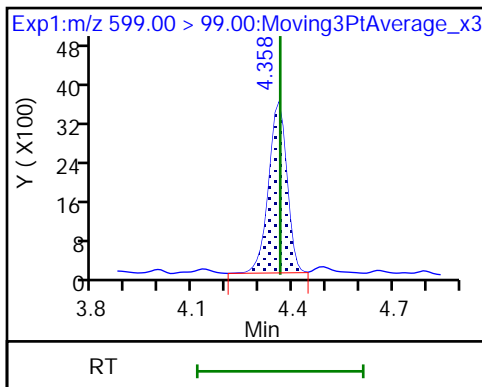
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

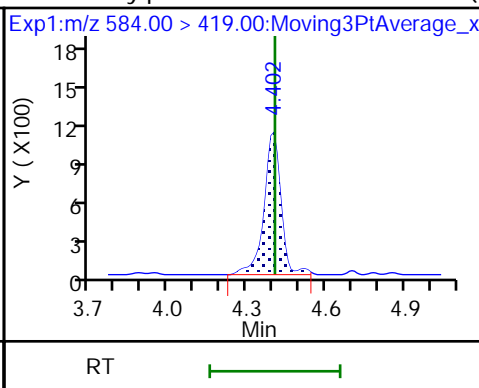
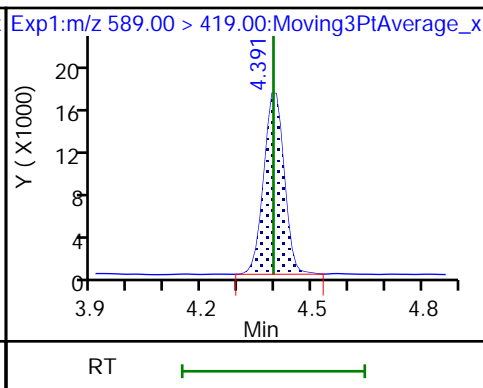
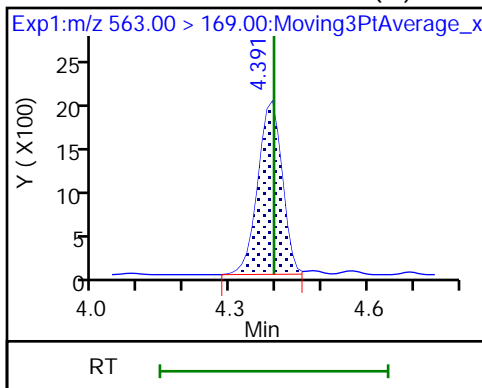
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

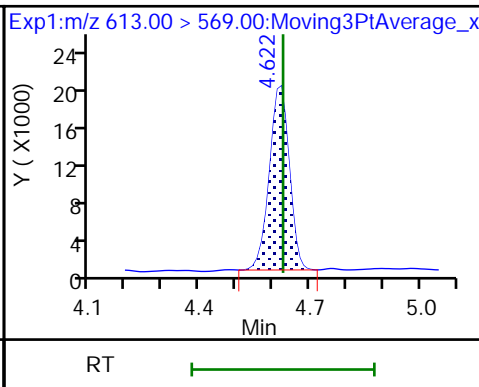
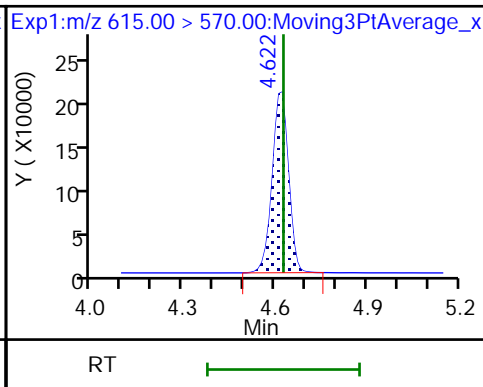
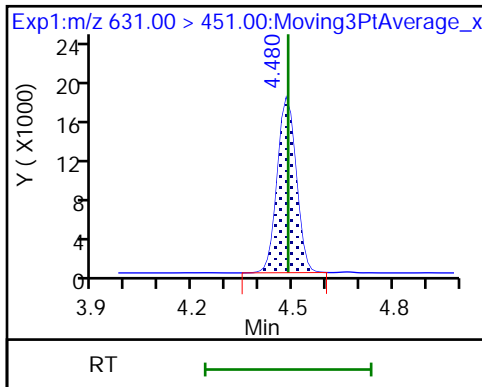
33 N-ethylperfluorooctanesulfonamid (M)



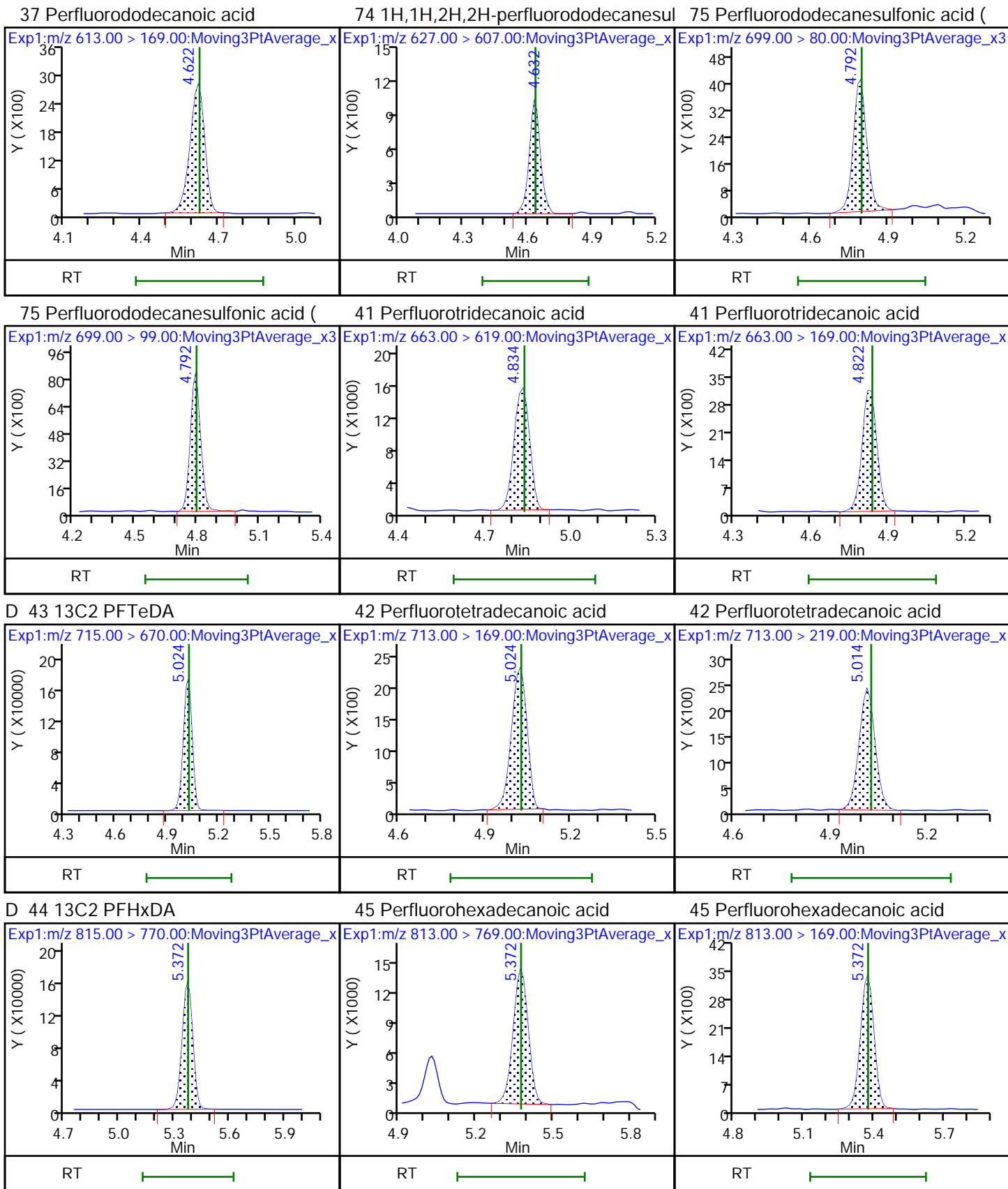
66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

37 Perfluorododecanoic acid

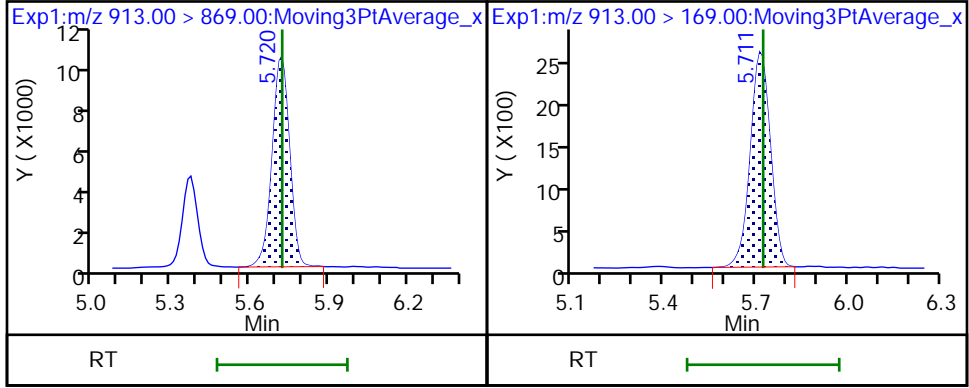






46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

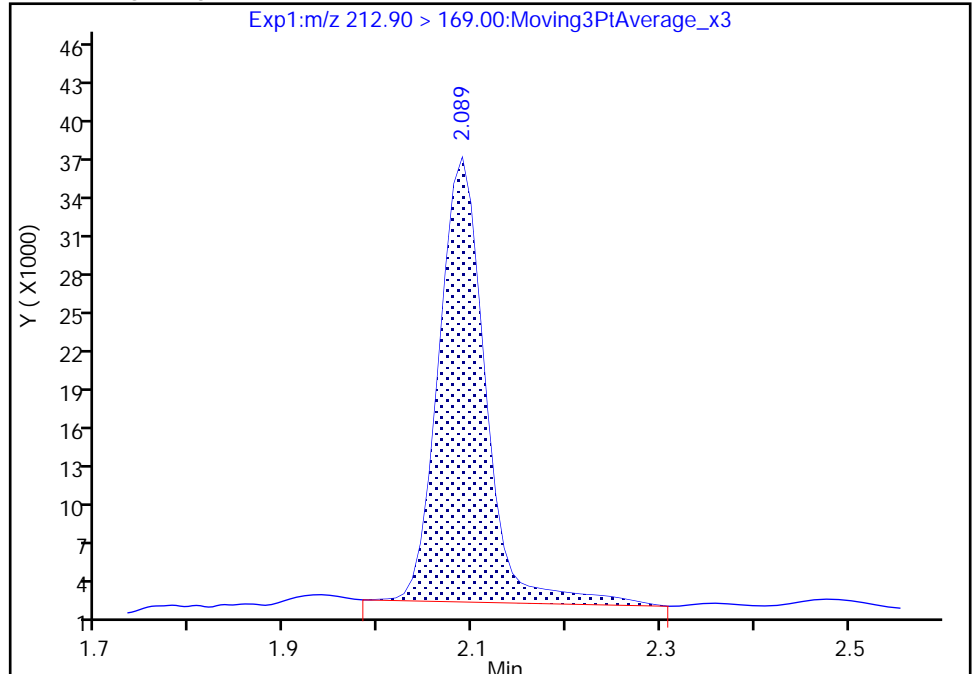
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Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

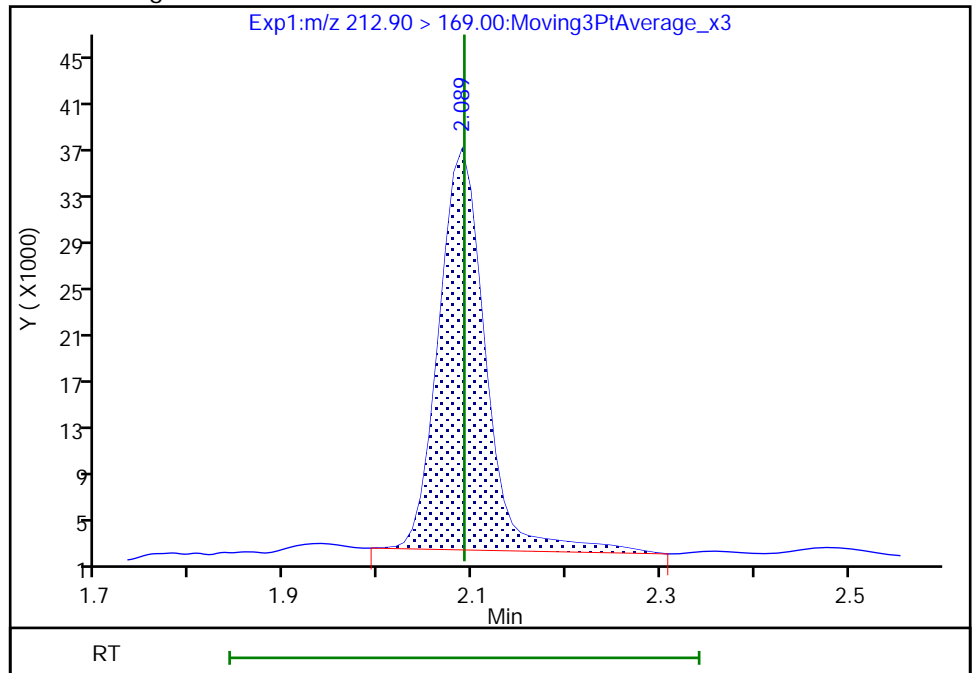
RT: 2.09  
Area: 118682  
Amount: 0.101454  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 118541  
Amount: 0.106660  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:33:53  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

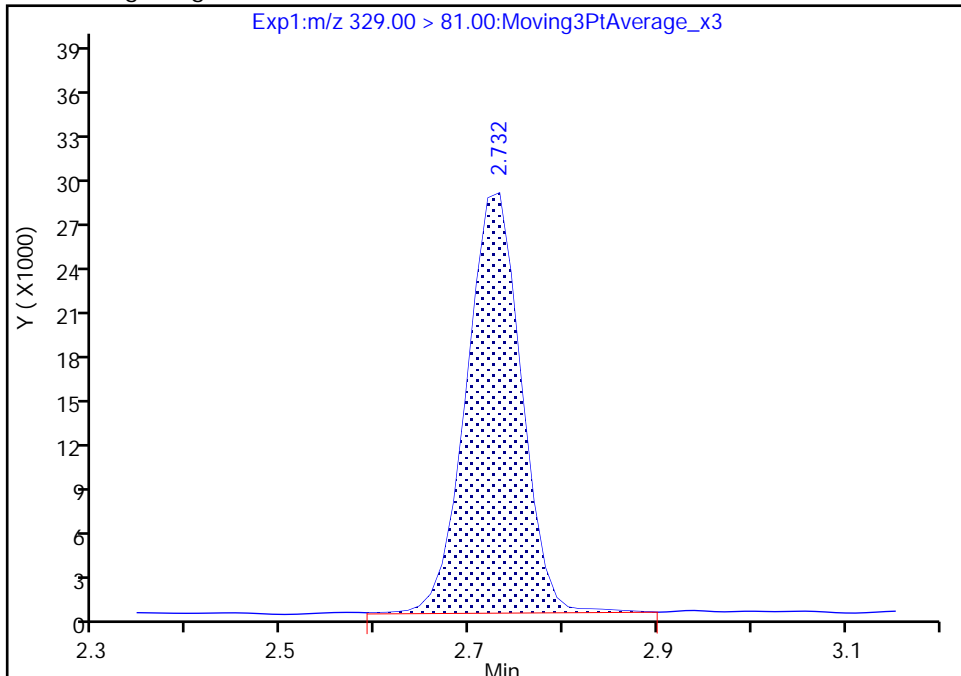
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Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

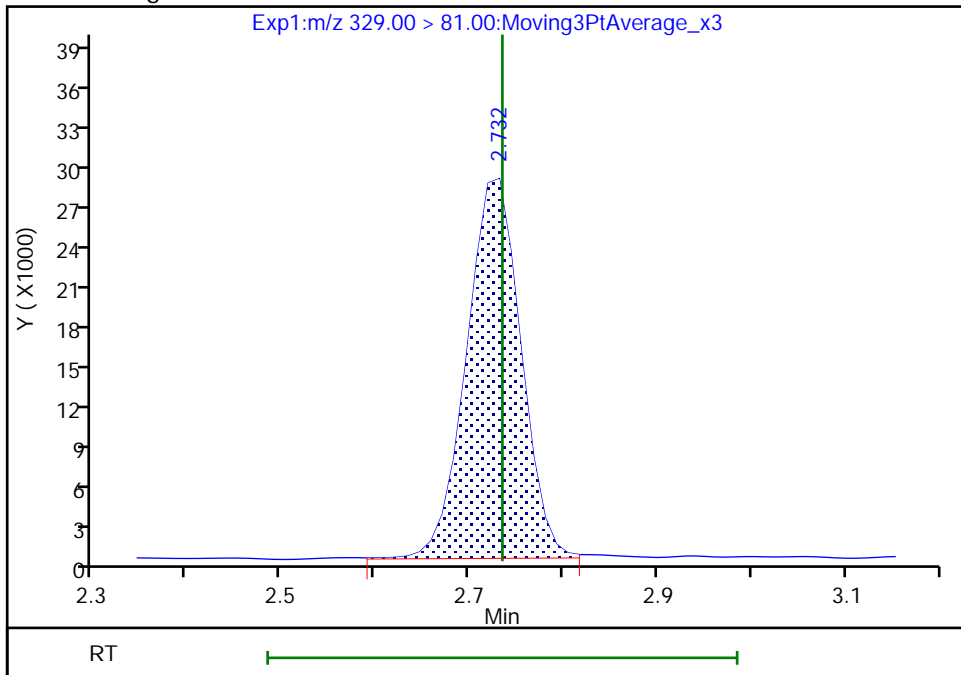
RT: 2.73  
Area: 113766  
Amount: 1.212479  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 113101  
Amount: 1.201509  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:50:31  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

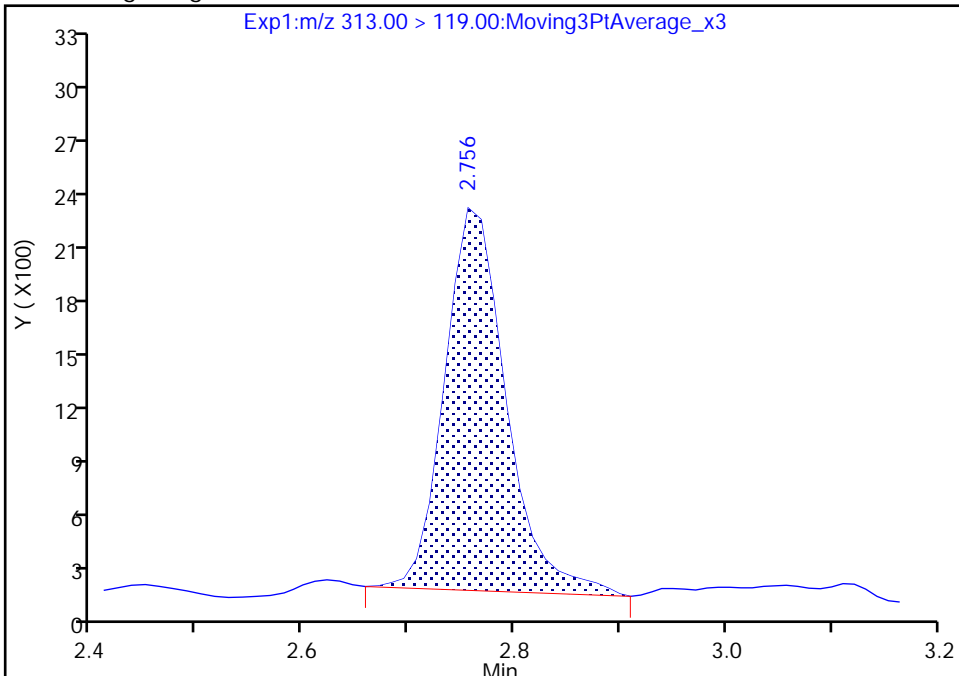
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

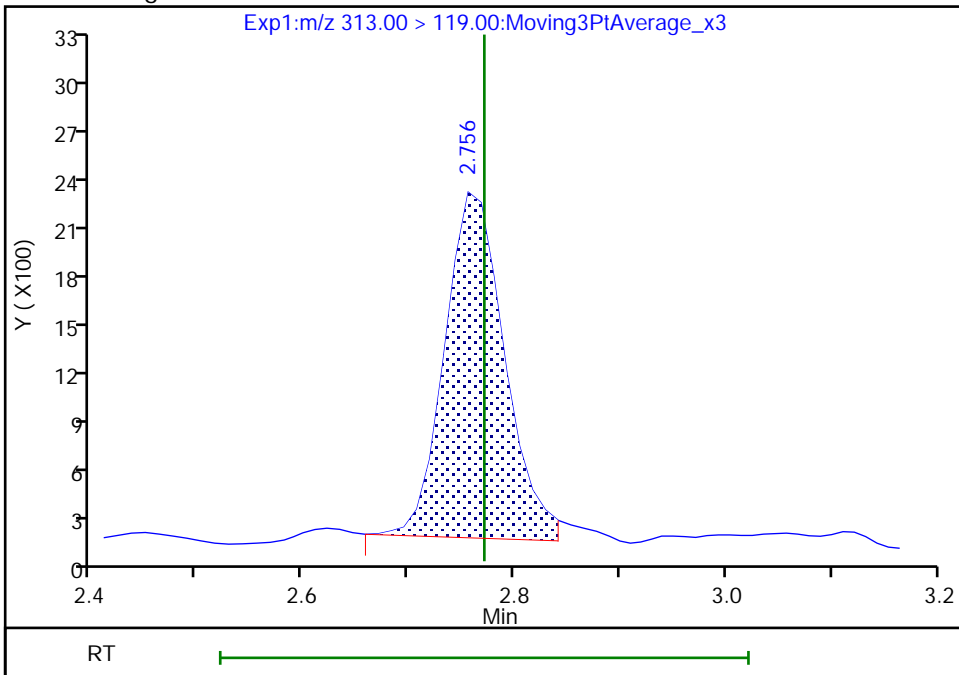
RT: 2.76  
Area: 8512  
Amount: 0.094868  
Amount Units: ng/ml

Processing Integration Results



RT: 2.76  
Area: 8260  
Amount: 0.099711  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:50:22  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

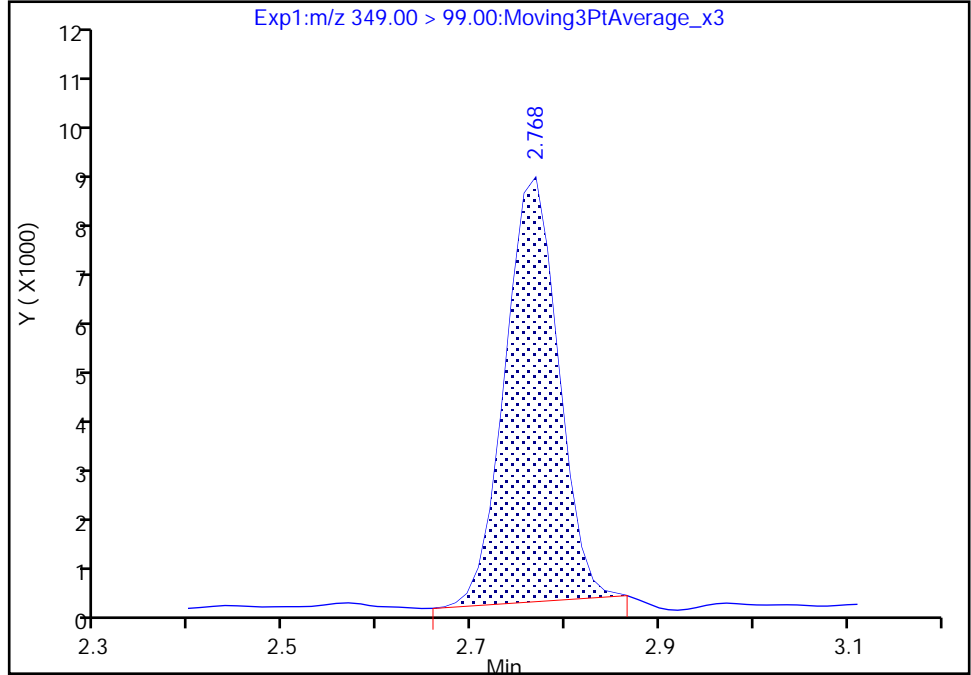
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

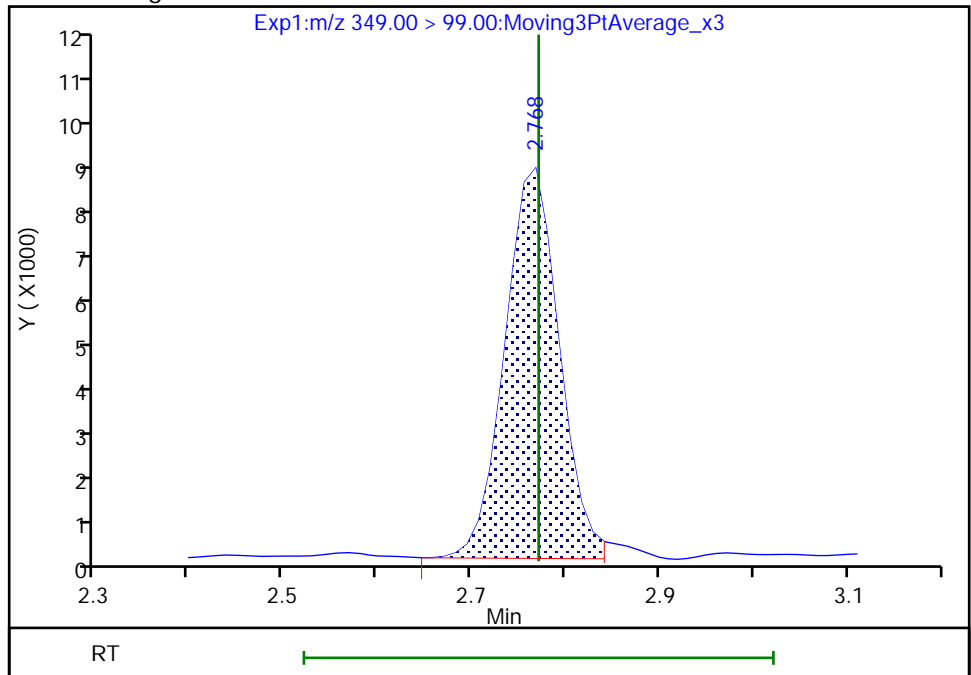
RT: 2.77  
Area: 31806  
Amount: 0.097860  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 33039  
Amount: 0.099355  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:50:13  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

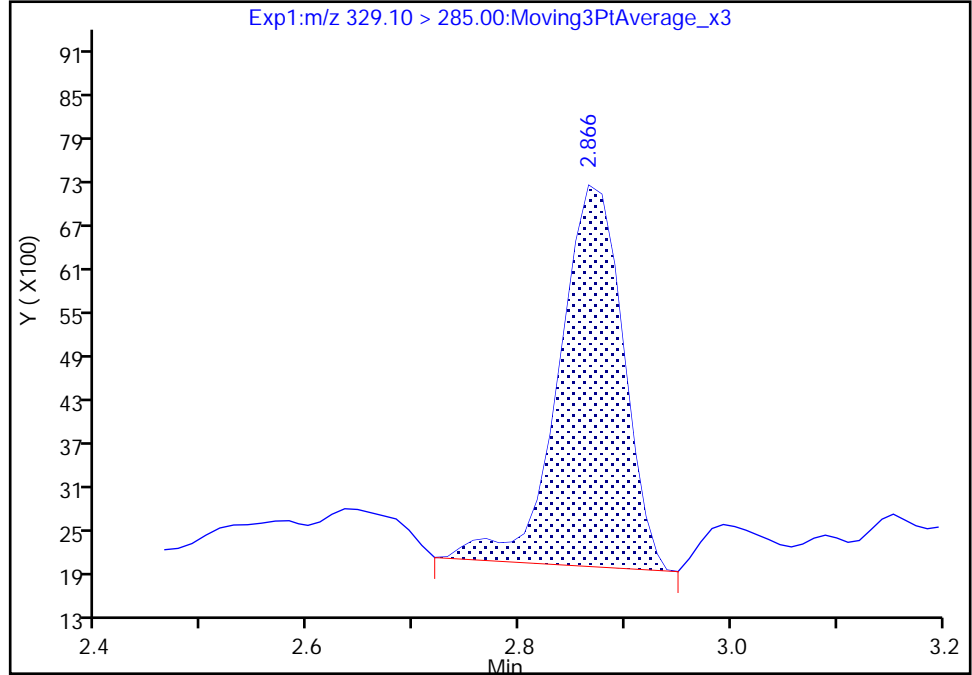
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

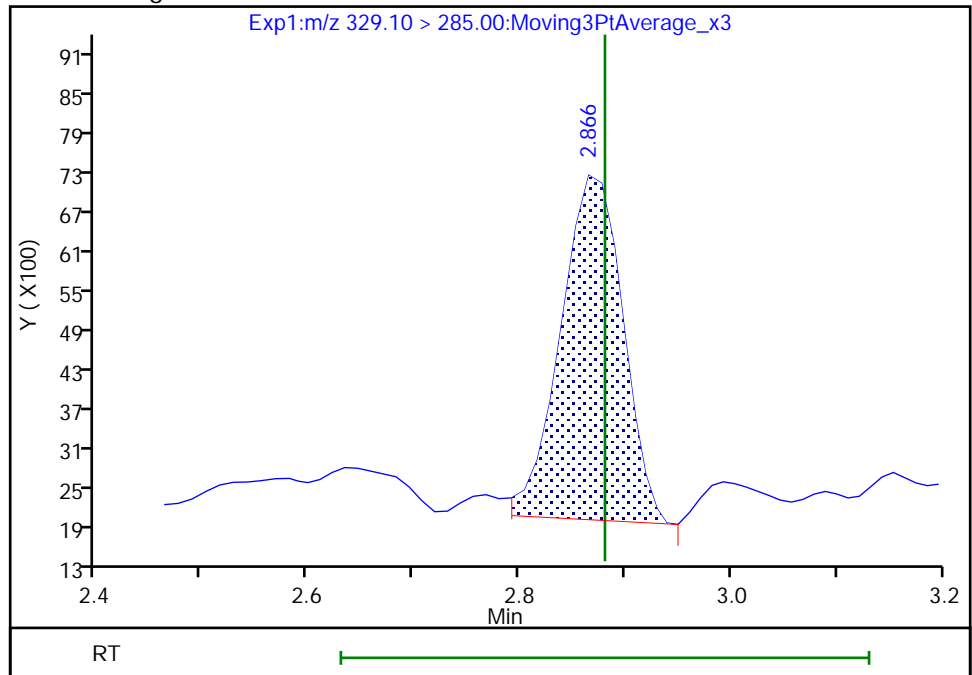
RT: 2.87  
Area: 22157  
Amount: 0.102844  
Amount Units: ng/ml

Processing Integration Results



RT: 2.87  
Area: 21331  
Amount: 0.103904  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:59  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

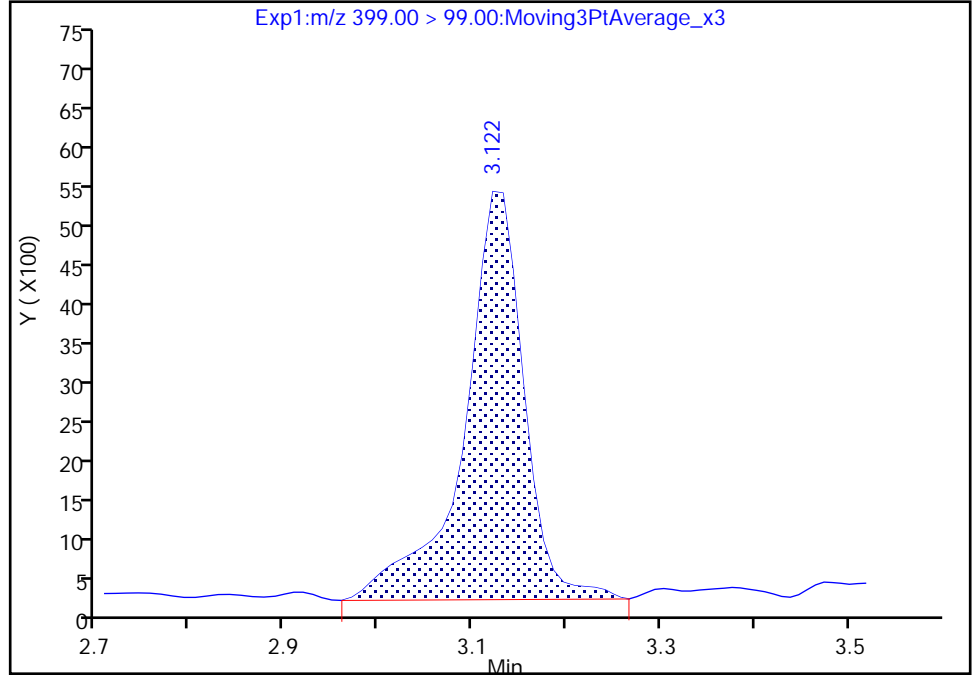
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

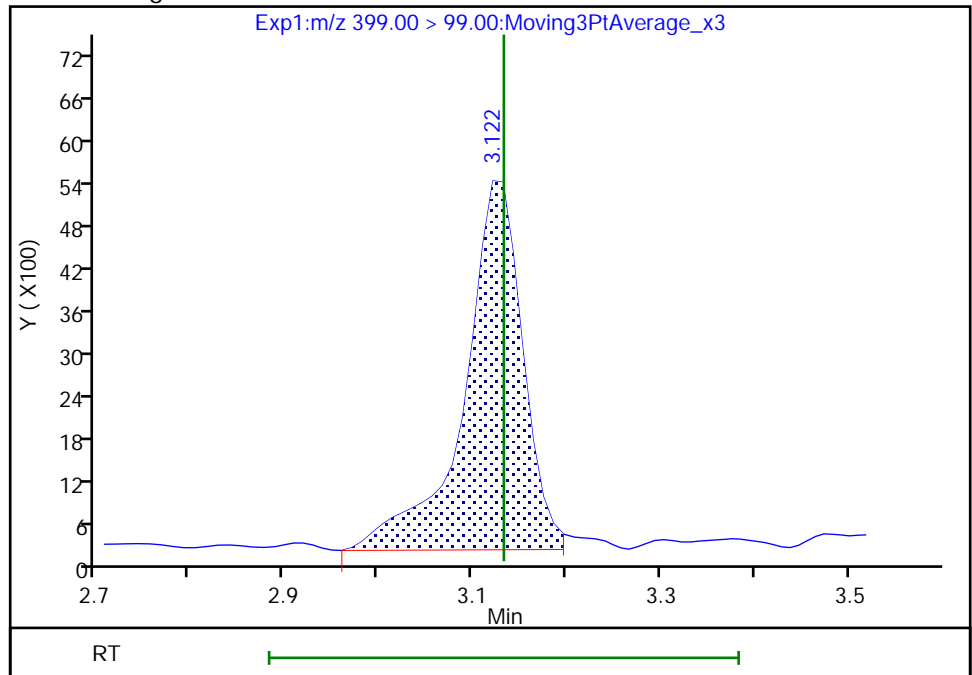
RT: 3.12  
Area: 23122  
Amount: 0.095239  
Amount Units: ng/ml

Processing Integration Results



RT: 3.12  
Area: 22626  
Amount: 0.099187  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:48  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

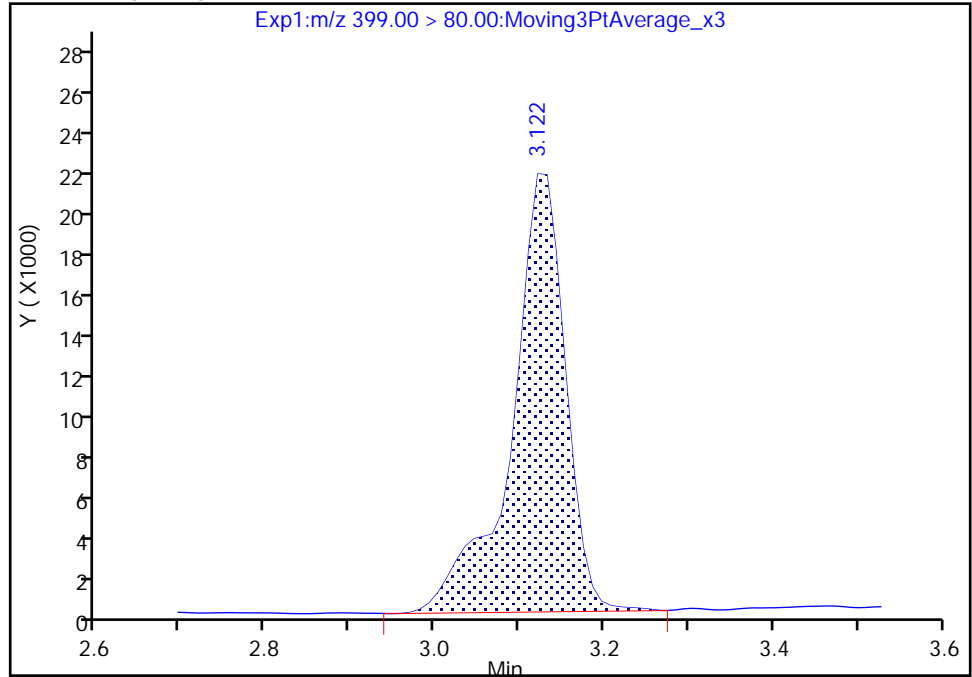
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

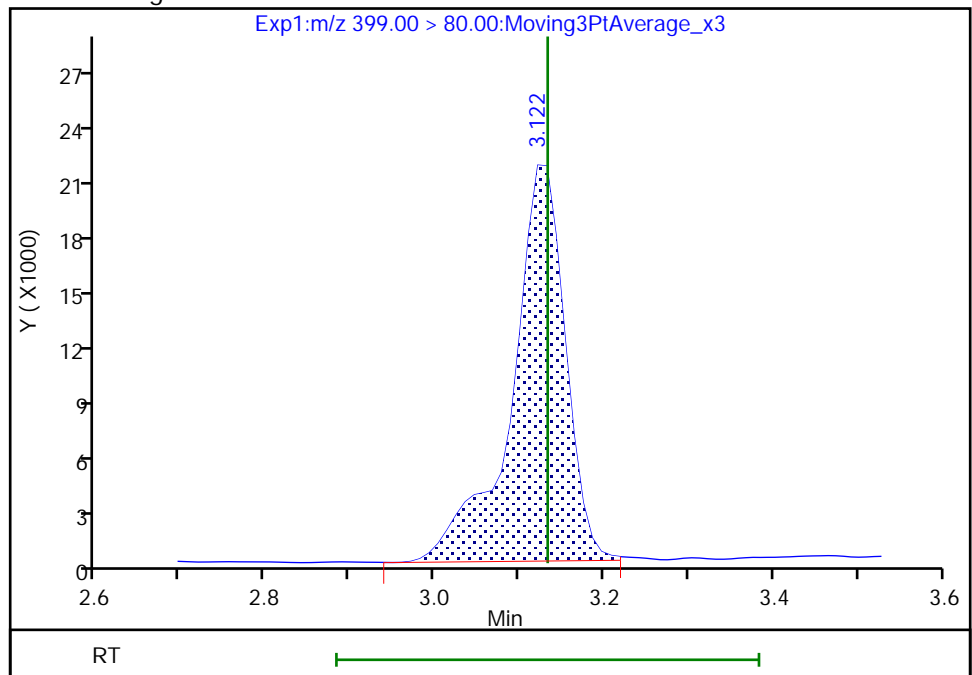
RT: 3.12  
Area: 94813  
Amount: 0.095239  
Amount Units: ng/ml

Processing Integration Results



RT: 3.12  
Area: 94508  
Amount: 0.099187  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

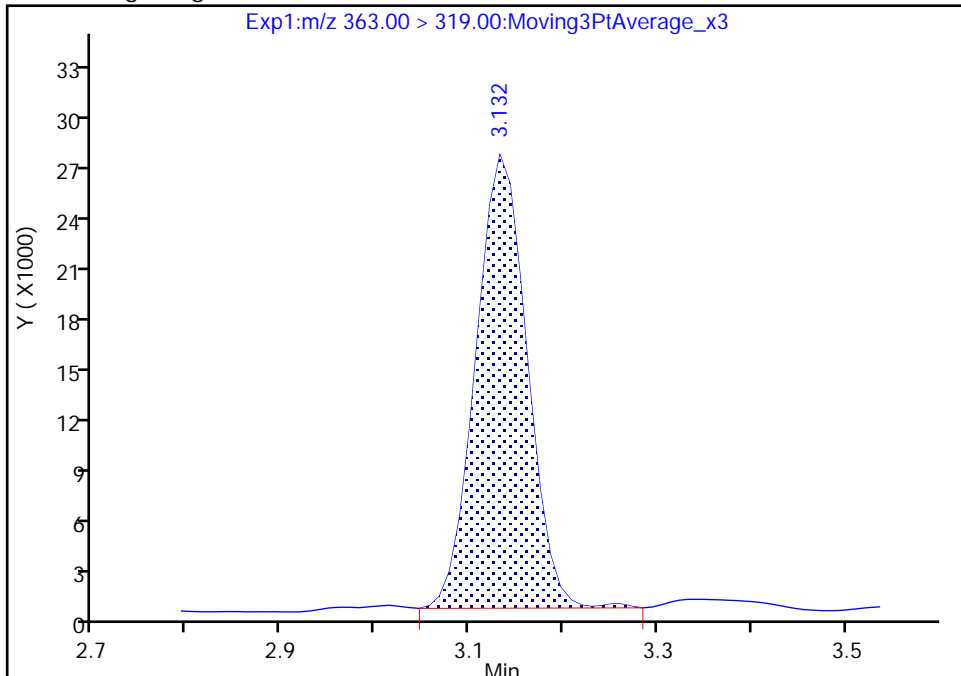
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

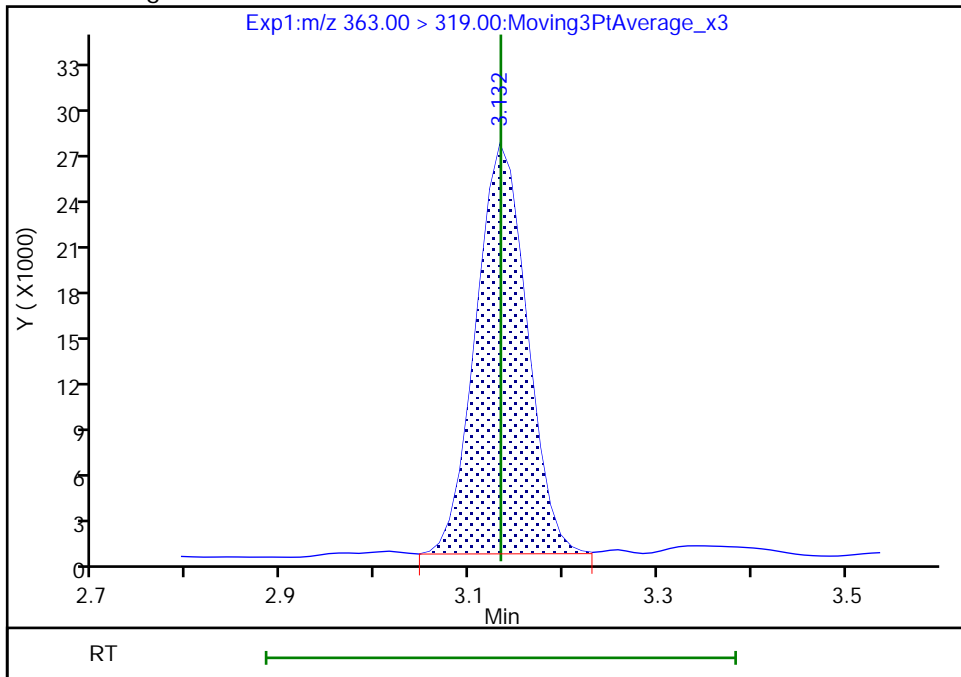
RT: 3.13  
Area: 100330  
Amount: 0.107605  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 99874  
Amount: 0.112138  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:42  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

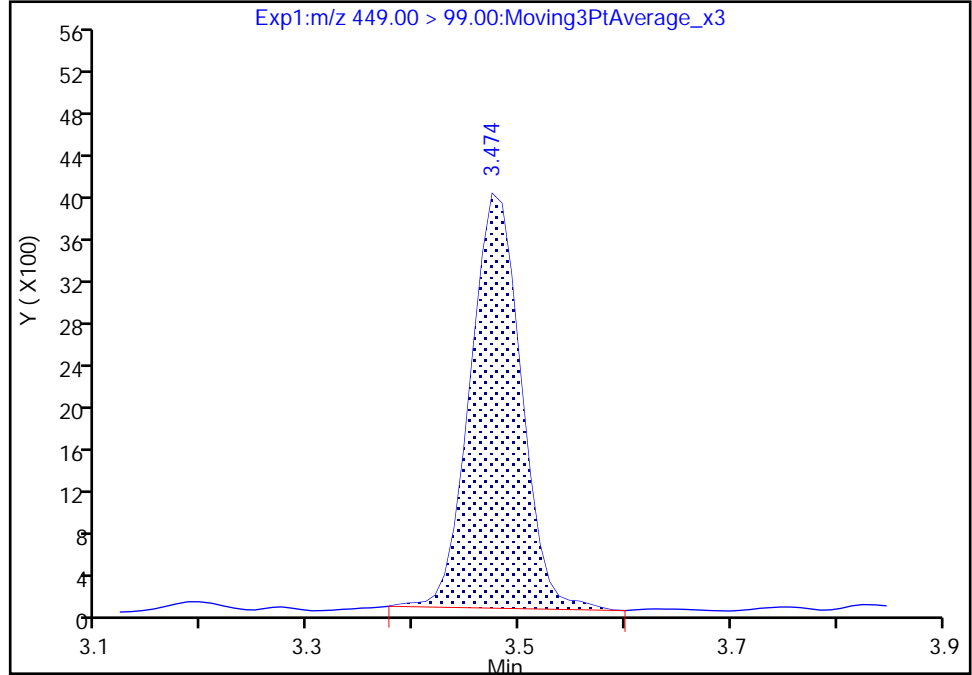
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

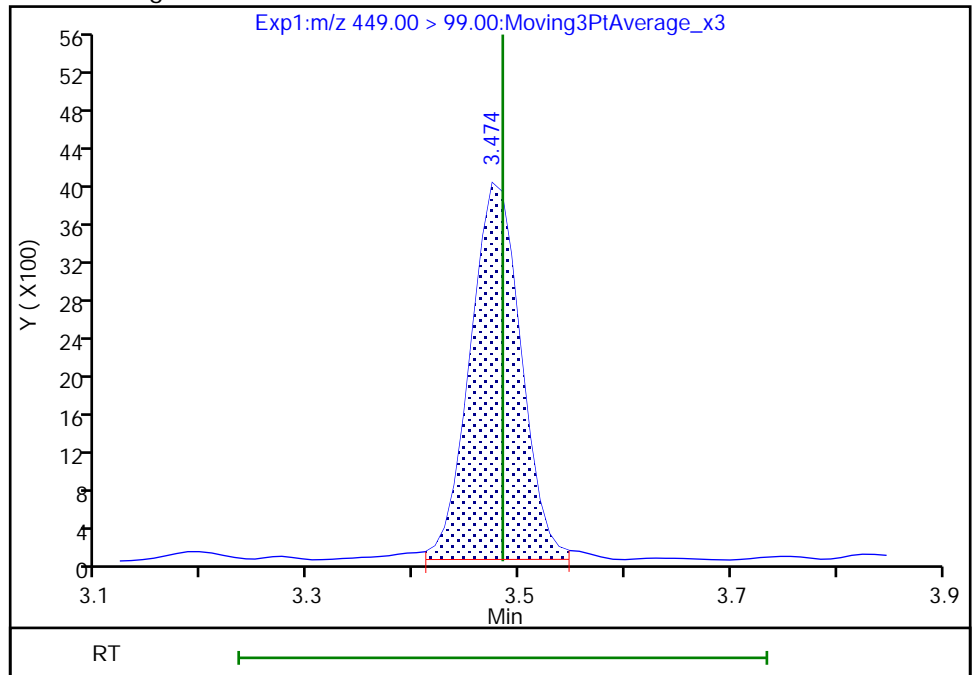
RT: 3.47  
Area: 13173  
Amount: 0.097839  
Amount Units: ng/ml

Processing Integration Results



RT: 3.47  
Area: 13156  
Amount: 0.100190  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:35  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

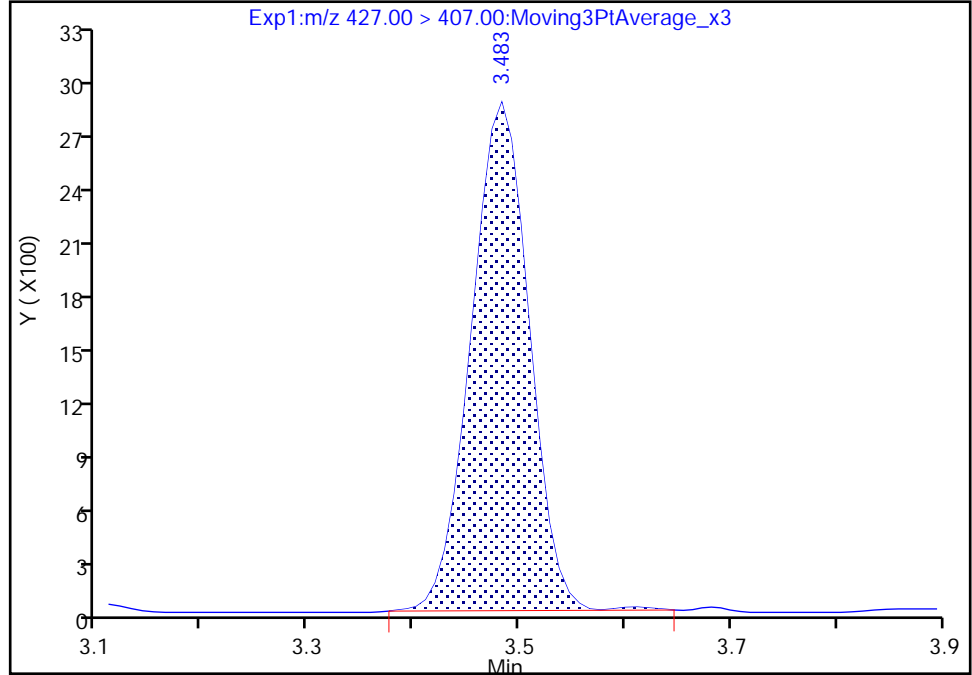
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

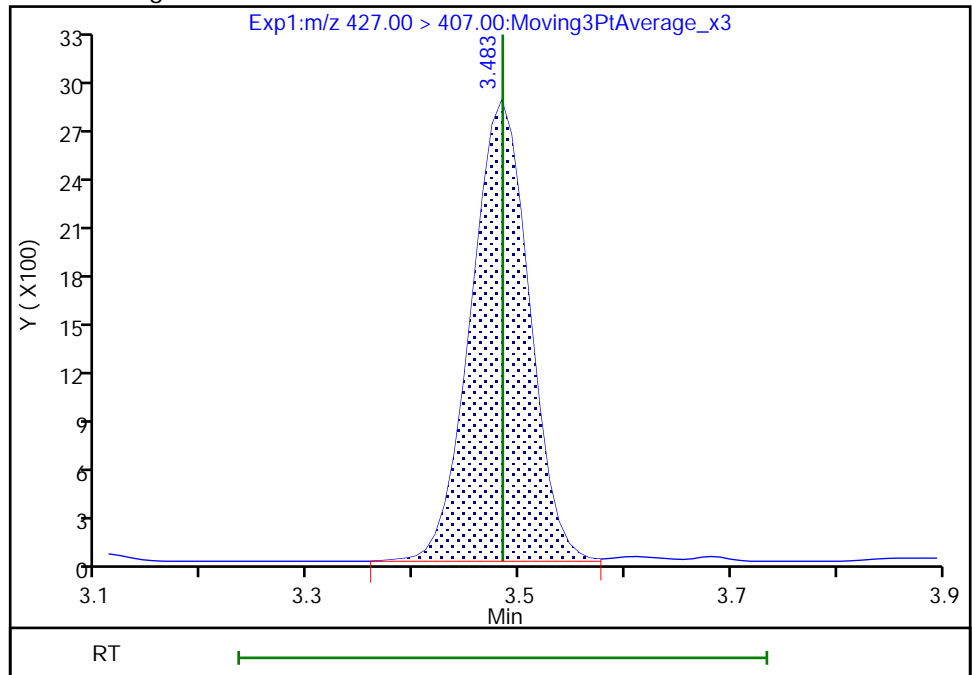
RT: 3.48  
Area: 10663  
Amount: 0.091432  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 10738  
Amount: 0.093218  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:18  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

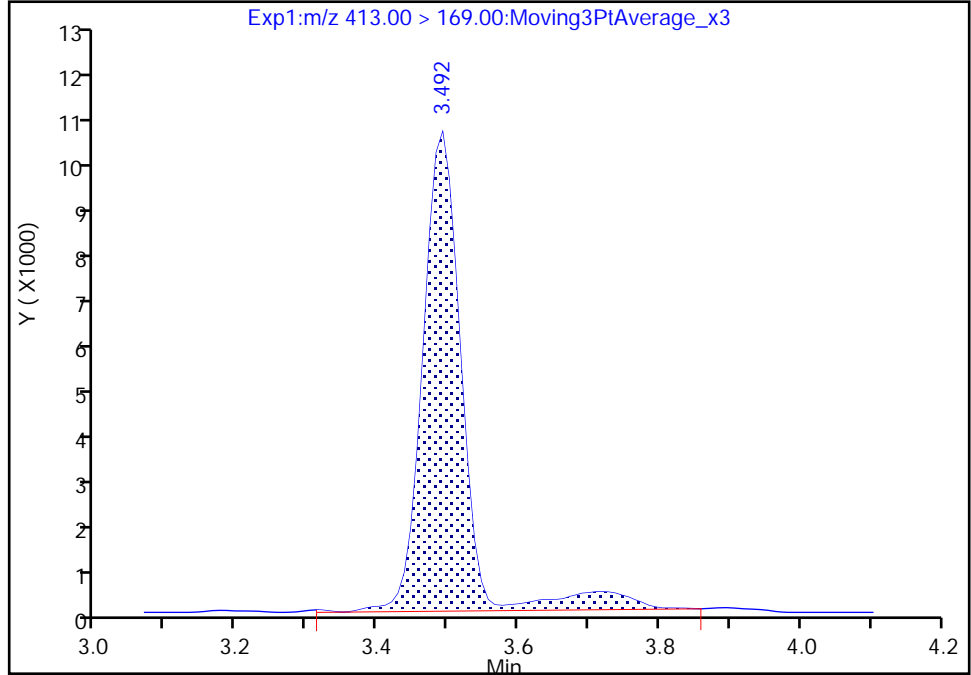
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

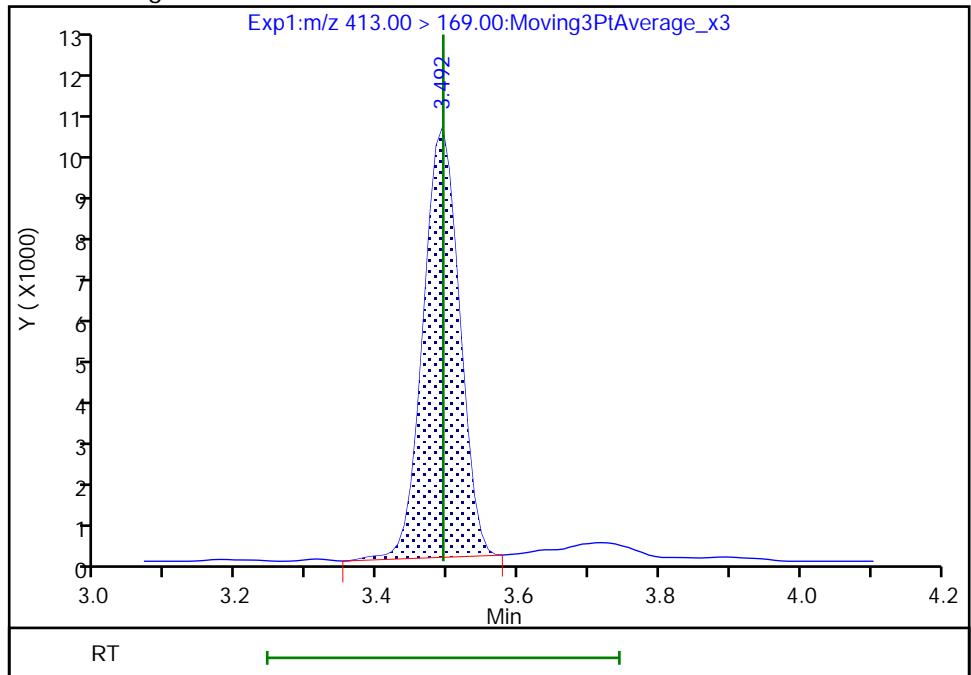
RT: 3.49  
Area: 41476  
Amount: 0.101377  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 37378  
Amount: 0.102986  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:49:00  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

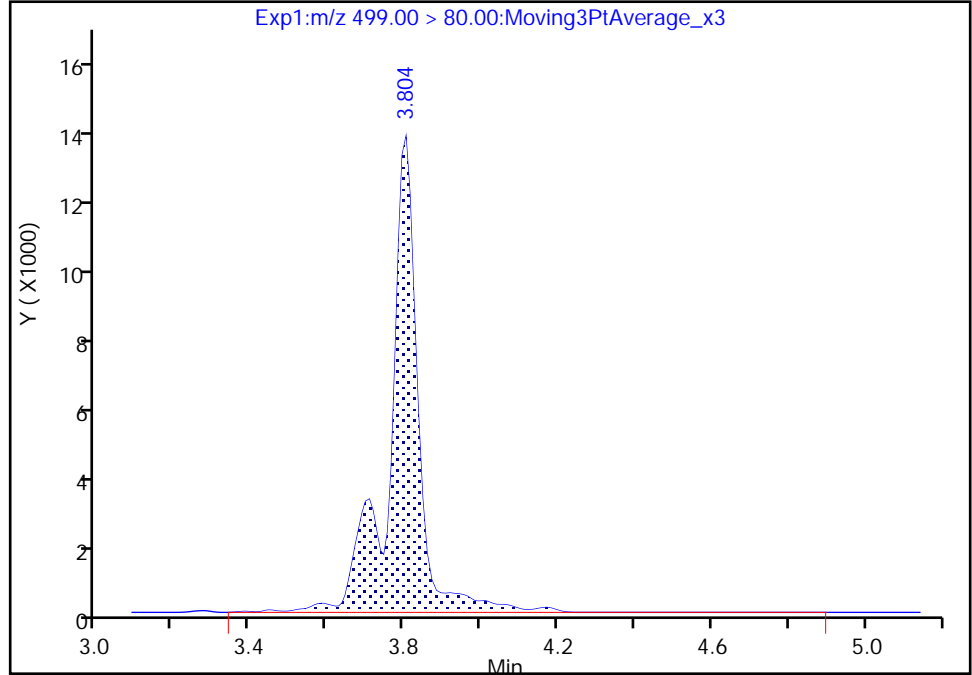
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

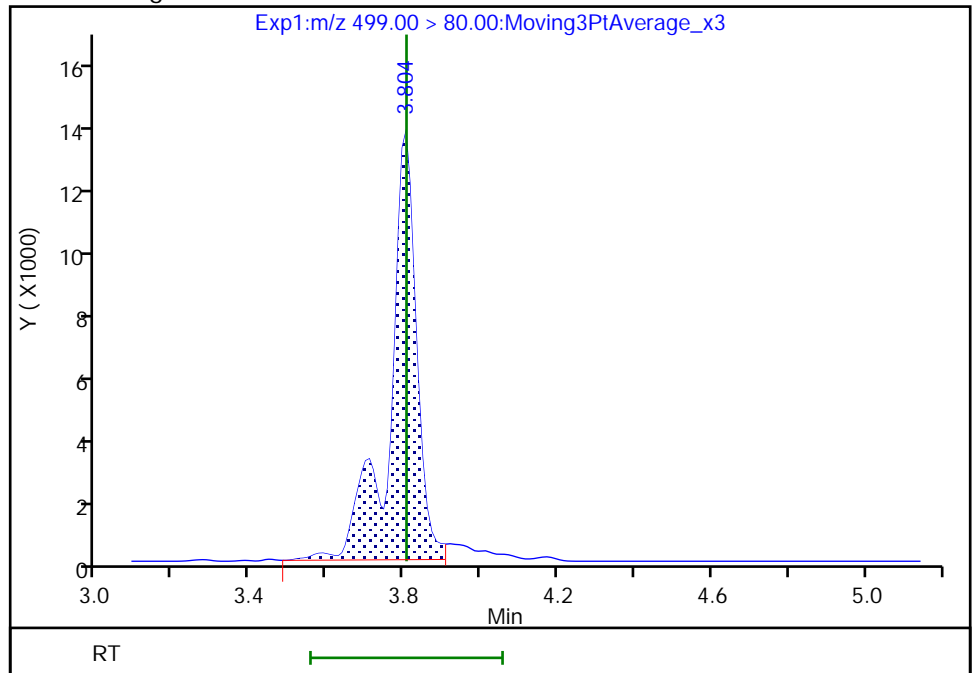
RT: 3.80  
Area: 70713  
Amount: 0.101573  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 64913  
Amount: 0.098863  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:48:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

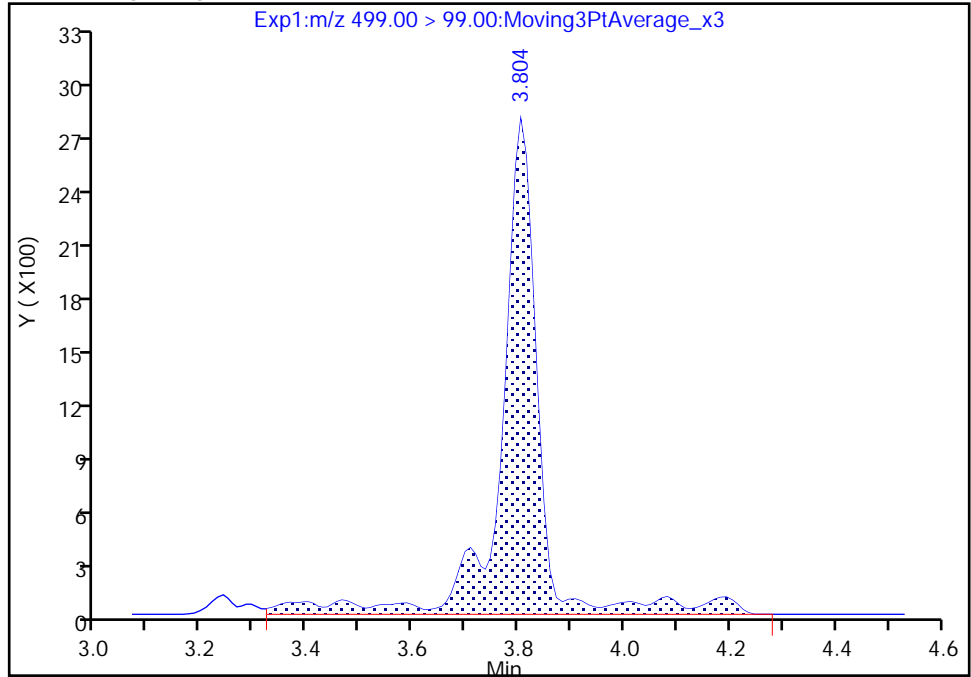
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

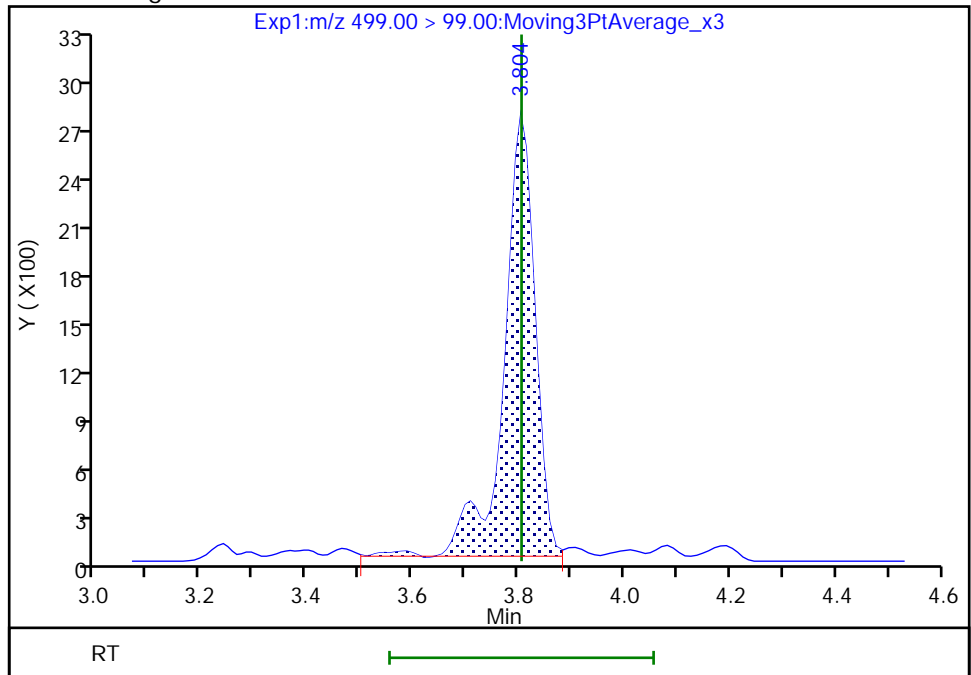
RT: 3.80  
Area: 13970  
Amount: 0.101573  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 11330  
Amount: 0.098863  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:48:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

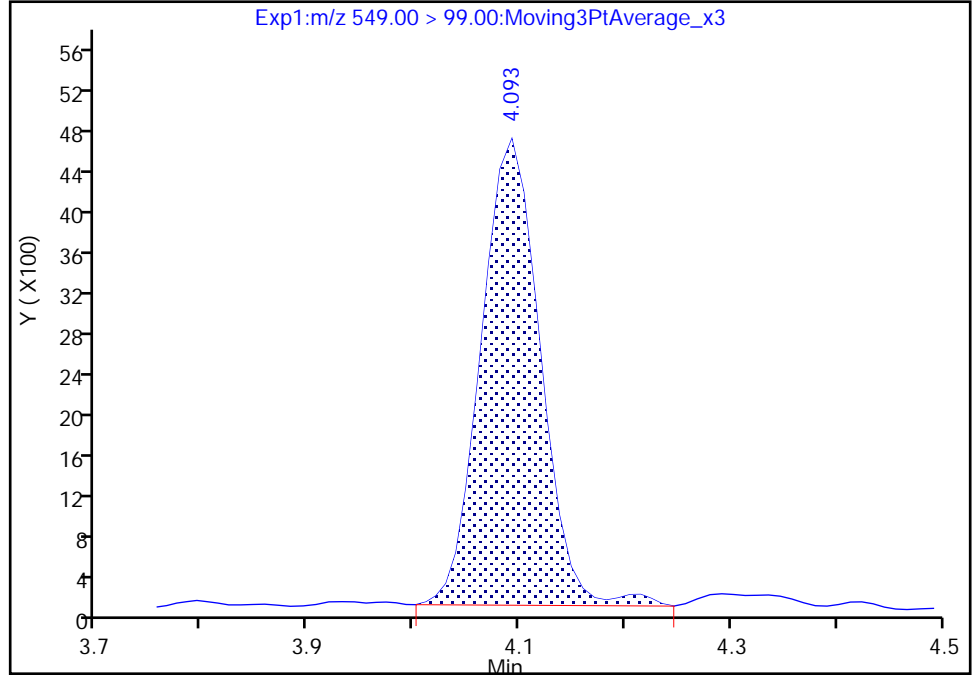
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

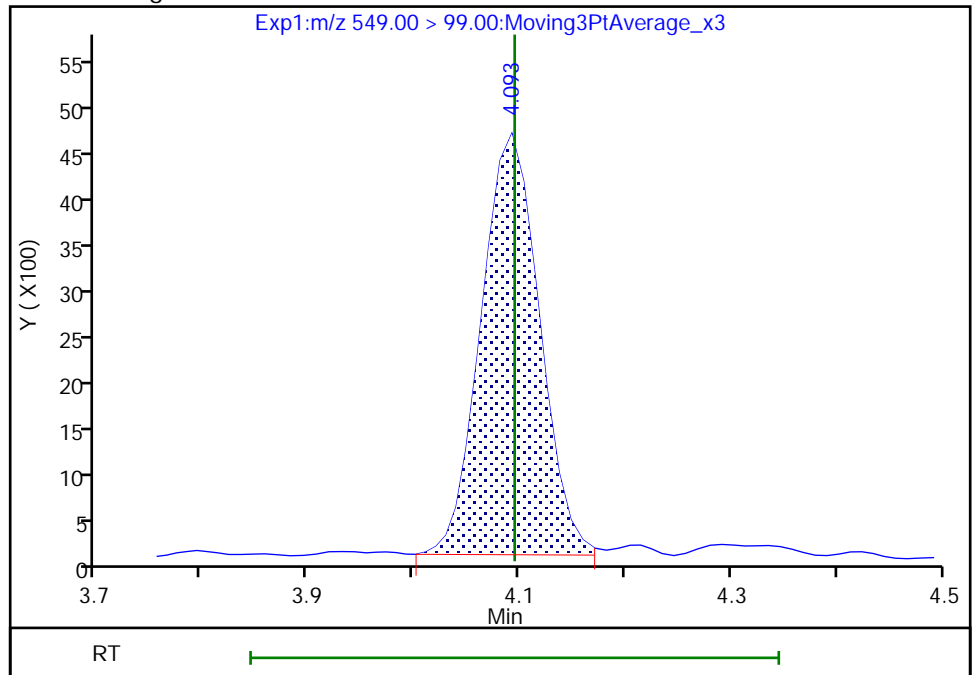
RT: 4.09  
Area: 17997  
Amount: 0.099852  
Amount Units: ng/ml

Processing Integration Results



RT: 4.09  
Area: 17680  
Amount: 0.102055  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:48:16  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

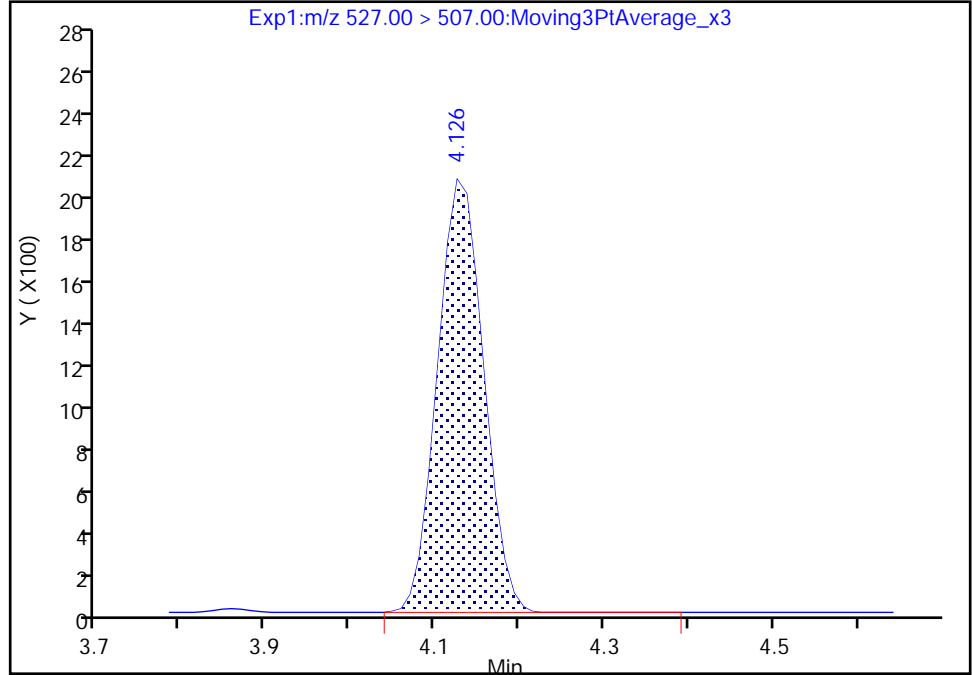
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

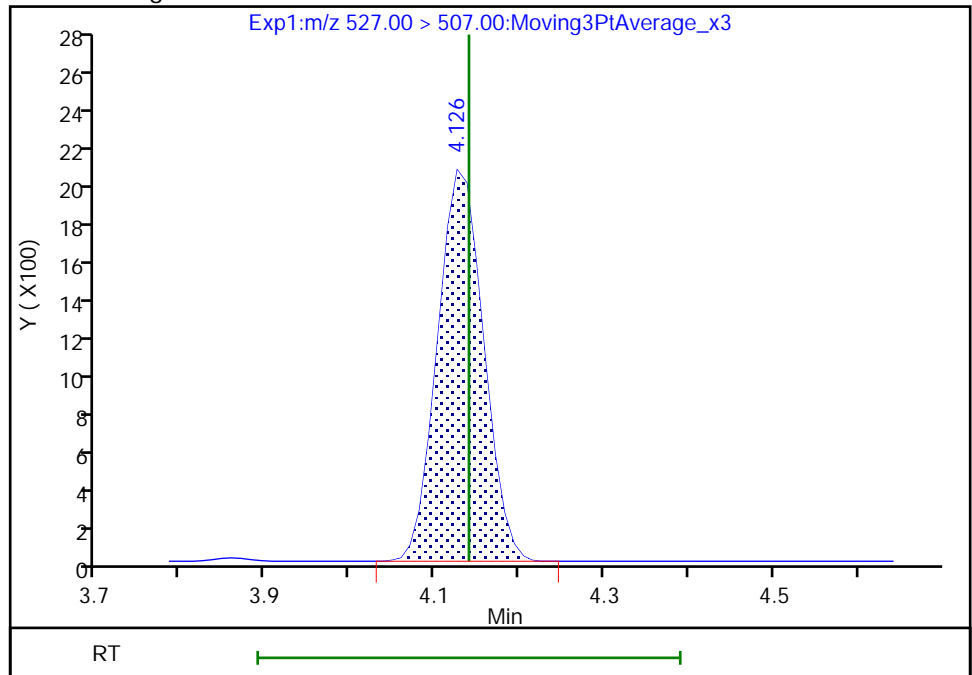
RT: 4.13  
Area: 7849  
Amount: 0.107751  
Amount Units: ng/ml

Processing Integration Results



RT: 4.13  
Area: 7849  
Amount: 0.109988  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:48:04  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

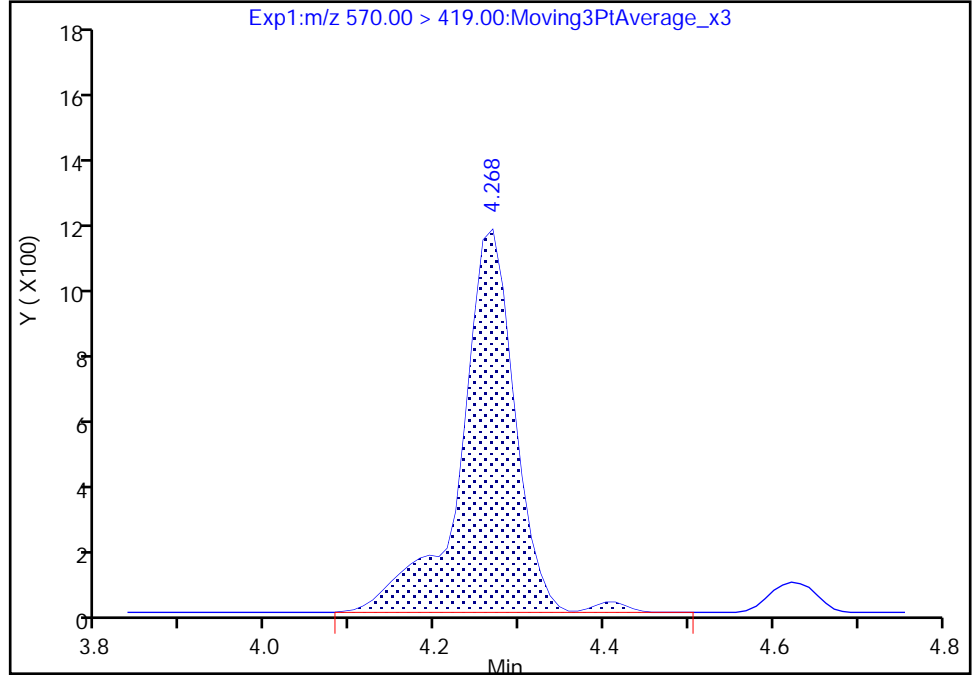
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

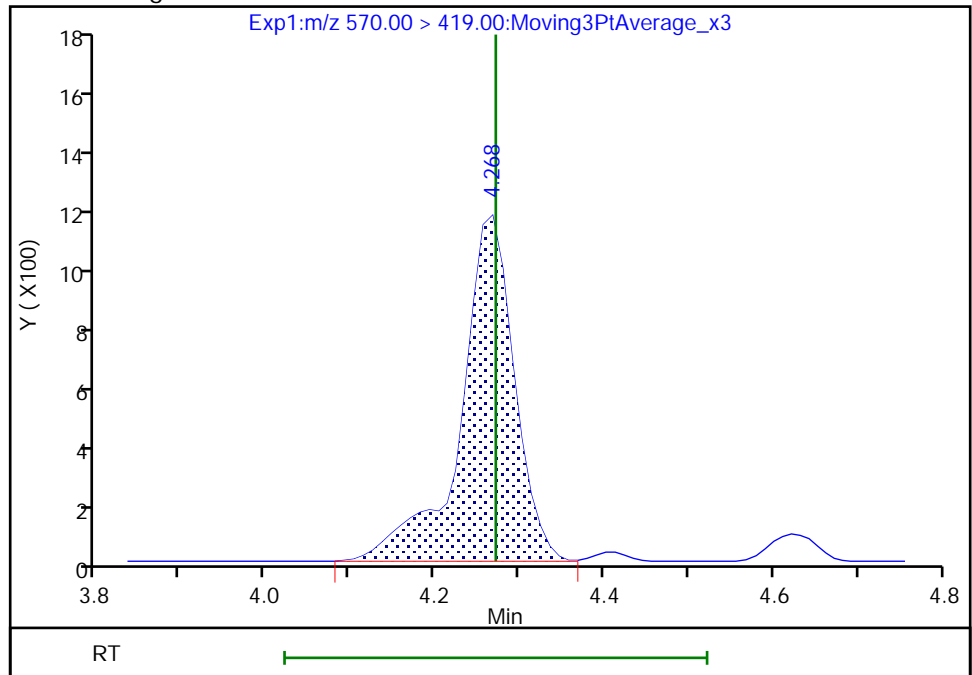
RT: 4.27  
Area: 5303  
Amount: 0.103943  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 5218  
Amount: 0.105294  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:47:35  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

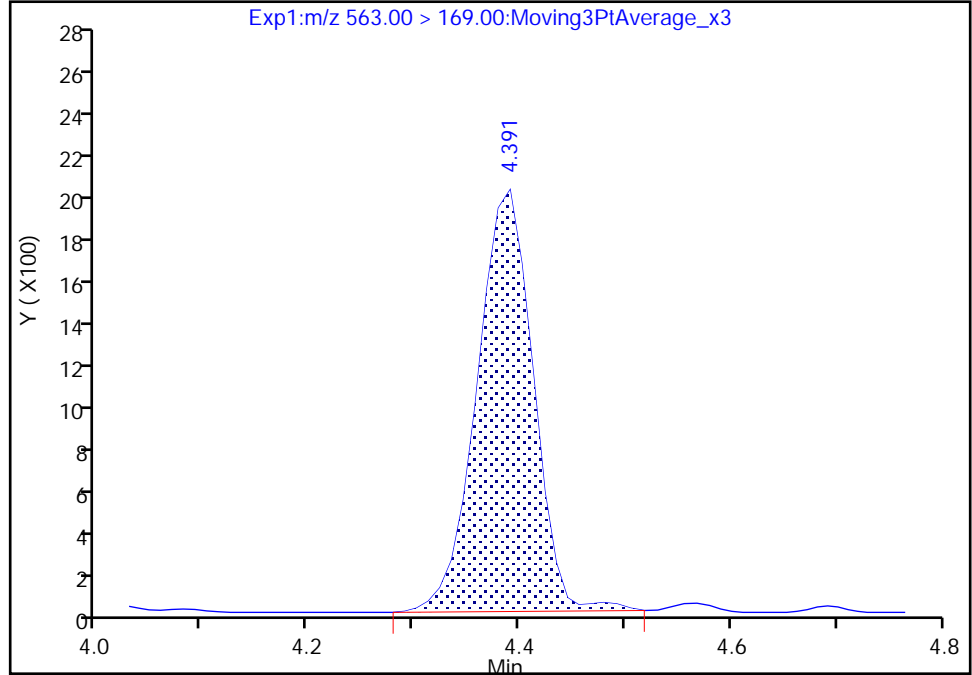
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

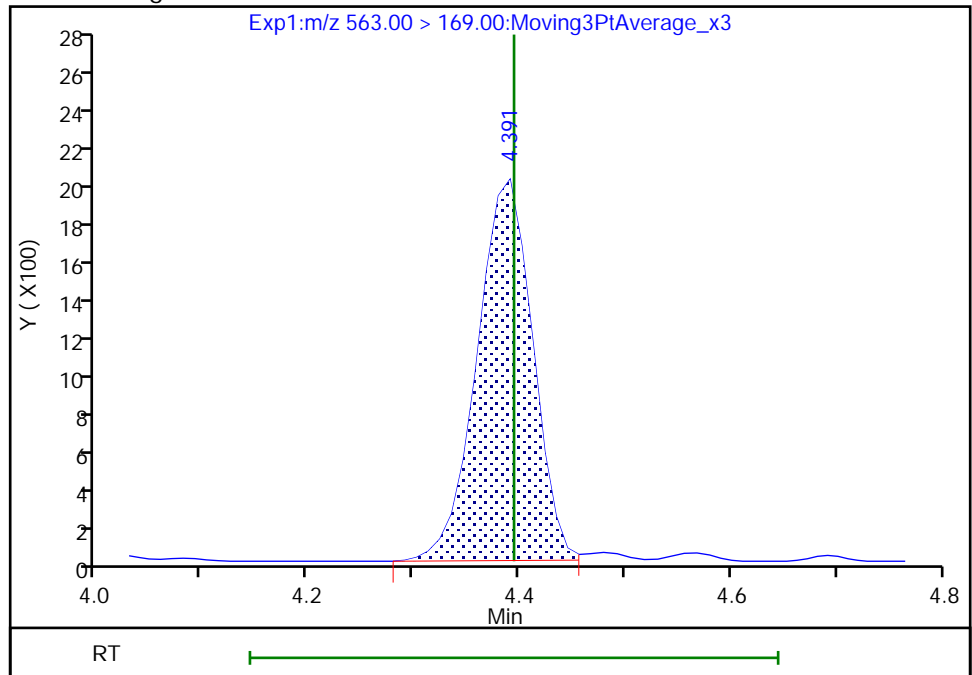
RT: 4.39  
Area: 7470  
Amount: 0.104826  
Amount Units: ng/ml

Processing Integration Results



RT: 4.39  
Area: 7377  
Amount: 0.104732  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:47:22  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

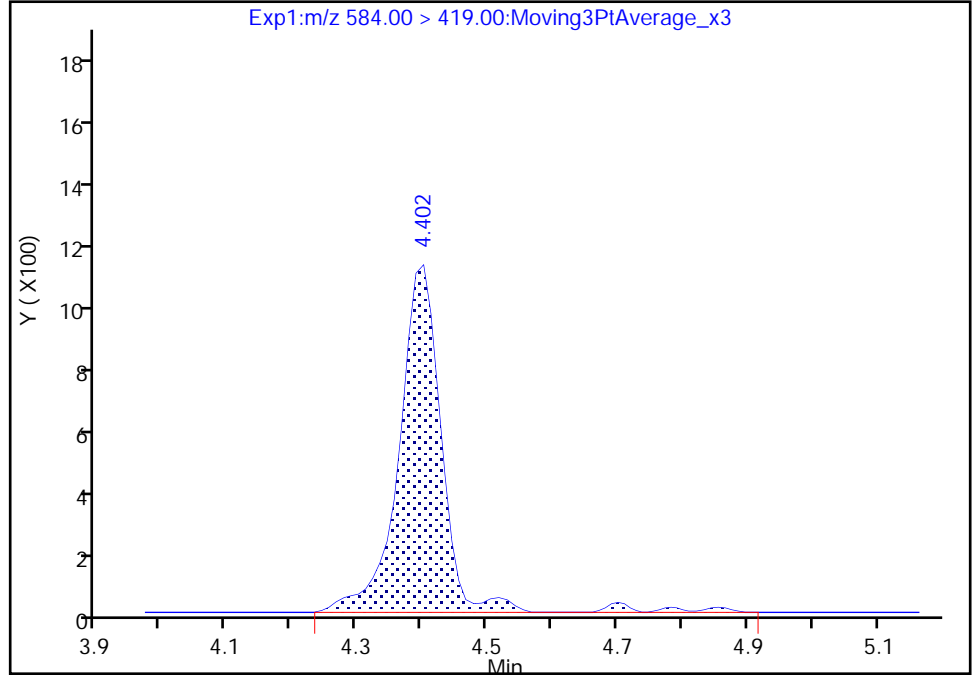
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d  
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

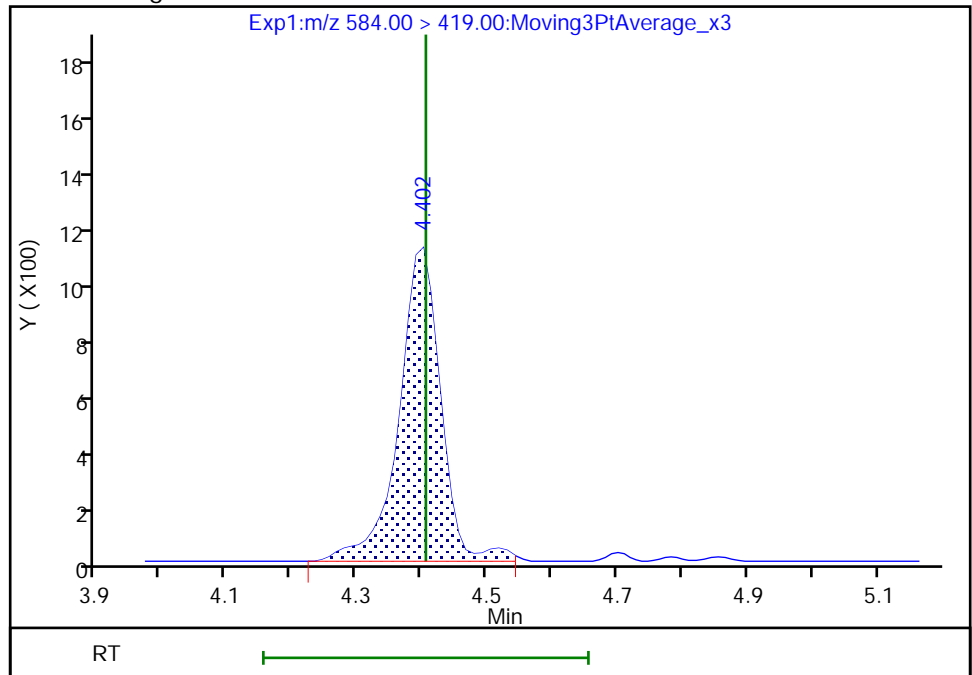
RT: 4.40  
Area: 4955  
Amount: 0.095218  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 4802  
Amount: 0.097444  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:47:50  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
 Lims ID: IC  
 Client ID:  
 Sample Type: IC Calib Level: 3  
 Inject. Date: 22-Dec-2020 13:04:47 ALS Bottle#: 4 Worklist Smp#: 10  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: IC  
 Misc. Info.: 200-0044184-010 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 14:39:27 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:54:26

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 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.596	1203352	1.30	104	8925	
2 Perfluorobutanoic acid	212.90 > 169.00	2.091	2.091	0.0	1.004	456581	0.4733	94.7	58.6	
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.414	-0.014	0.687	856461	1.28	102	3165	
4 Perfluoropentanoic acid	262.90 > 219.00	2.413	2.414	-0.001	1.005	366588	0.4832	96.6	14.1	M
D 47 13C3 PFBS	301.90 > 80.00	2.426	2.427	-0.001	0.695	1038343	1.18	101	190646	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.426	2.427	-0.001	1.000	439919	0.4354	Target=2.21	98.5	936
	298.90 > 99.00	2.426	2.427	-0.001	1.000	196460		2.24(1.10-3.31)	98.5	210
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.722	2.735	-0.013	1.000	61951	0.4587	98.2	1168	
D 60 M2-4:2 FTS	329.00 > 81.00	2.722	2.735	-0.013	0.779	85984	1.17	100	90.5	M
D 7 13C2 PFHxA	315.00 > 270.00	2.758	2.771	-0.013	0.790	903699	1.29	103	3305	
6 Perfluorohexanoic acid	313.00 > 269.00	2.758	2.771	-0.013	1.000	370199	0.4687	Target=12.17	93.7	92.5
	313.00 > 119.00	2.758	2.771	-0.013	1.000	30072		12.31(6.09-18.26)	93.7	46.5
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.770	2.771	-0.001	0.884	405410	0.4727	Target=3.32	101	1026
	349.00 > 99.00	2.770	2.771	-0.001	0.884	124768		3.25(1.66-4.98)	101	227
67 Perfluoro(2-propoxypropanoic) ac	329.10 > 285.00	2.868	2.881	-0.013	1.000	84587	0.4417	88.3	9.7	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.868	2.881	-0.013	0.821	172775	1.40		112	1278	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	772740	1.18		99.5	3063	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.132	3.133	-0.001	1.000	348983	0.4532	Target=4.08	99.6	333	
399.00 > 99.00	3.132	3.133	-0.001	1.000	83133		4.20(2.04-6.11)	99.6	75.2	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	892830	1.33		106	4015	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	364247	0.4669	Target=3.70	93.4	90.6	
363.00 > 169.00	3.132	3.133	-0.001	1.000	98861		3.68(1.85-5.56)	93.4	266	
77 DONA										
377.00 > 251.00	3.175	3.176	-0.001	0.835	718739	0.4722	Target=2.47	100	864	
377.00 > 85.00	3.164	3.176	-0.012	0.832	296310		2.43(1.23-3.70)	100	299	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.474	3.484	-0.010	0.913	299175	0.4875	Target=5.85	102	1865	
449.00 > 99.00	3.474	3.484	-0.010	0.913	49233		6.08(2.93-8.78)	102	263	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	102545	1.25		105	434	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	43065	0.4483		94.6	540	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	857479	1.25		100	3031	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		863609	1.25			2079	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.492	3.493	-0.001	1.000	367859	0.4947	Target=2.58	98.9	74.6	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	139299		2.64(1.29-3.87)	98.9	307	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	543196	1.20		101	1530	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.804	3.806	-0.002	1.000	243758	0.4663	Target=5.56	100	344	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	40689		5.99(2.78-8.34)	100	175	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	772347	1.28		102	3142	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	333548	0.4877	Target=6.87	97.5	56.9	
463.00 > 169.00	3.825	3.826	-0.001	1.000	48745		6.84(3.43-10.30)	97.5	496	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.967	-0.003	1.042	275177	0.4718		101	1786	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	195317	0.5008	Target=2.78	104	2076	
549.00 > 99.00	4.093	4.095	-0.002	1.076	64085		3.05(1.39-4.17)	104	211	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	721858	1.25		100	3027	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	305912	0.5140	Target=9.03	103	248	
513.00 > 169.00	4.126	4.129	-0.003	1.000	35067		8.72(4.51-13.54)	103	262	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.140	-0.014	1.000	26606	0.4672		97.5	734	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.140	-0.014	1.182	100274	1.18		99.0	555	M
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1063884	1.26		100	2586	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.205	4.207	-0.002	1.000	423265	0.4962		99.2	1392	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.272	-0.004	1.222	54321	1.30		104	214	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	16744	0.4347		86.9	164	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	146348	0.4706	Target=2.76	97.6	911	
599.00 > 99.00	4.358	4.362	-0.004	1.146	55990		2.61(1.38-4.14)	97.6	249	
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.384	-0.004	1.254	580063	1.22		98.0	2619	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.380	4.395	-0.015	1.000	244409	0.5164	Target=8.02	103	106	
563.00 > 169.00	4.380	4.395	-0.015	1.000	30090		8.12(4.01-12.03)	103	399	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	52130	1.29		103	354	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.402	4.406	-0.004	1.000	18172	0.4707		94.1	352	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	294213	0.4861		103	2000	
D 36 13C2 PFDaA										
615.00 > 570.00	4.611	4.626	-0.015	1.320	642314	1.28		103	2858	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.002	264312	0.4677	Target=6.85	93.5	73.5	
613.00 > 169.00	4.622	4.626	-0.004	1.002	45410		5.82(3.42-10.27)	93.5	1100	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.642	4.637	0.005	1.125	15677	0.5347		111	349	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.792	4.797	-0.005	1.260	54696	0.4781	Target=0.53	98.8	146	
699.00 > 99.00	4.792	4.797	-0.005	1.260	105717		0.52(0.26-0.79)	98.8	628	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.048	226665	0.4942	Target=4.48	98.8	96.5	
663.00 > 169.00	4.834	4.839	-0.005	1.048	47211		4.80(2.24-6.72)	98.8	564	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.027	-0.013	1.436	480039	1.30		104	3351	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.002	34379	0.4827	Target=0.99	96.5	848	
713.00 > 219.00	5.014	5.027	-0.013	1.000	34663		0.99(0.50-1.49)	96.5	949	

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 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	497203	1.26		101	1522	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.372	5.374	-0.002	1.000	195955	0.5138	Target=4.02	103	57.1	
813.00 > 169.00	5.372	5.374	-0.002	1.000	50967		3.84(2.01-6.02)	103	1147	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.711	5.722	-0.011	1.063	173296	0.4842	Target=3.88	96.8	133	
913.00 > 169.00	5.711	5.722	-0.011	1.063	45239		3.83(1.94-5.82)	96.8	618	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC3\_00008

Amount Added: 100.00

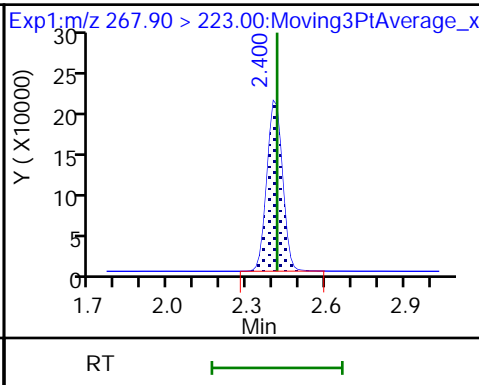
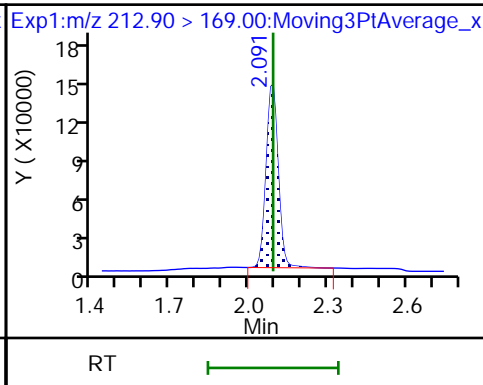
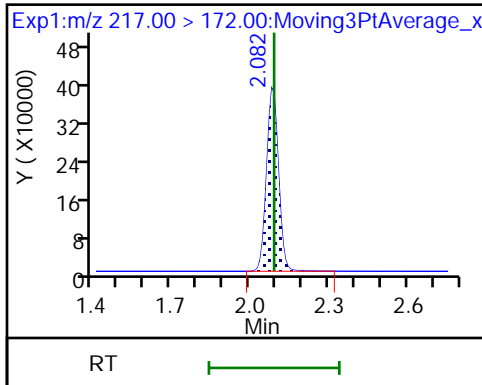
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D 1 13C4 PFBA

2 Perfluorobutanoic acid

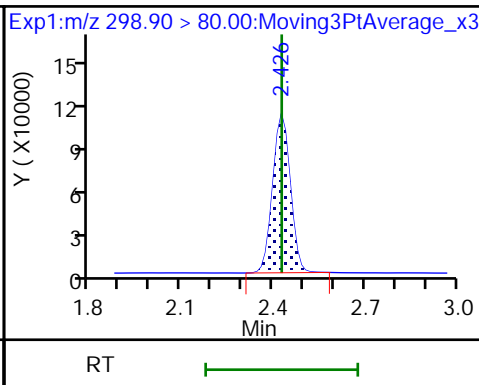
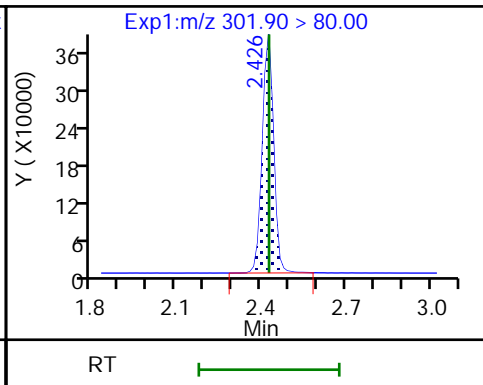
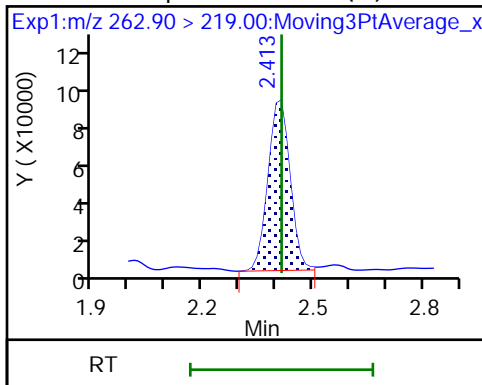
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

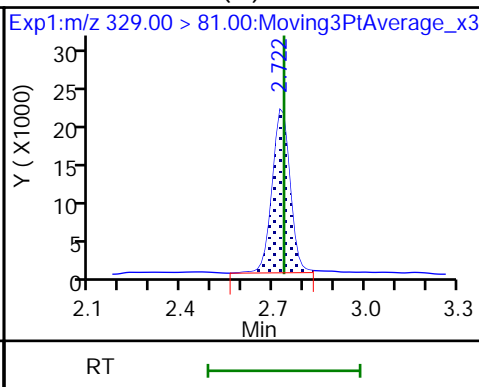
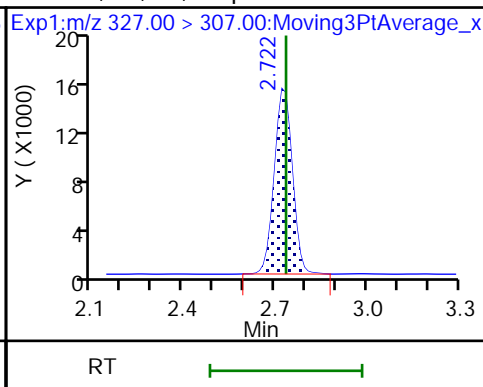
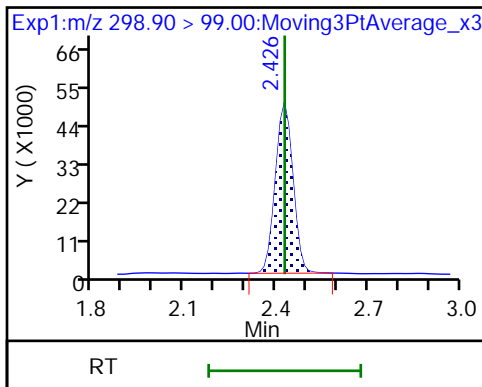
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

61 1H,1H,2H,2H-perfluorohexanesulfo

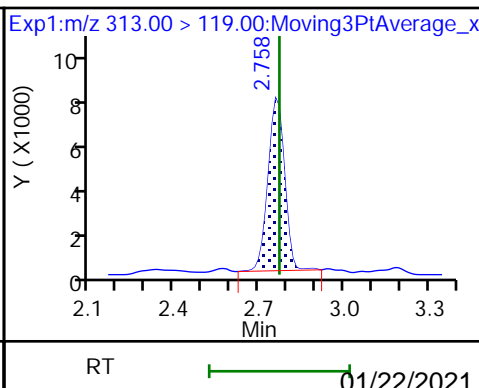
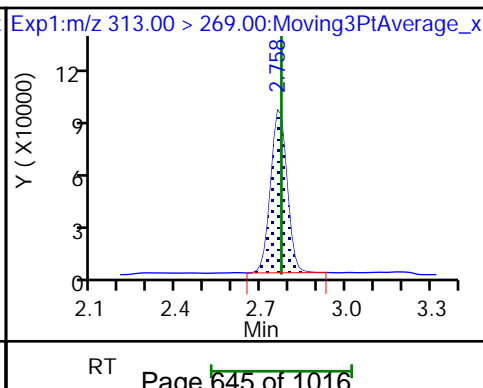
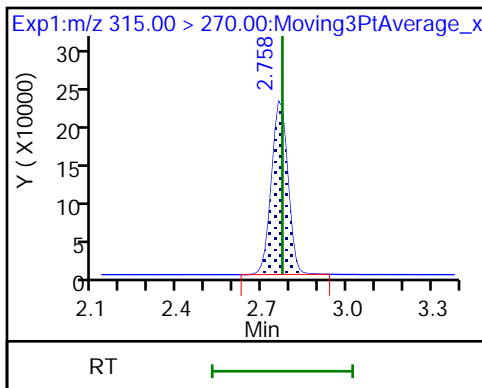
D 60 M2-4:2 FTS (M)

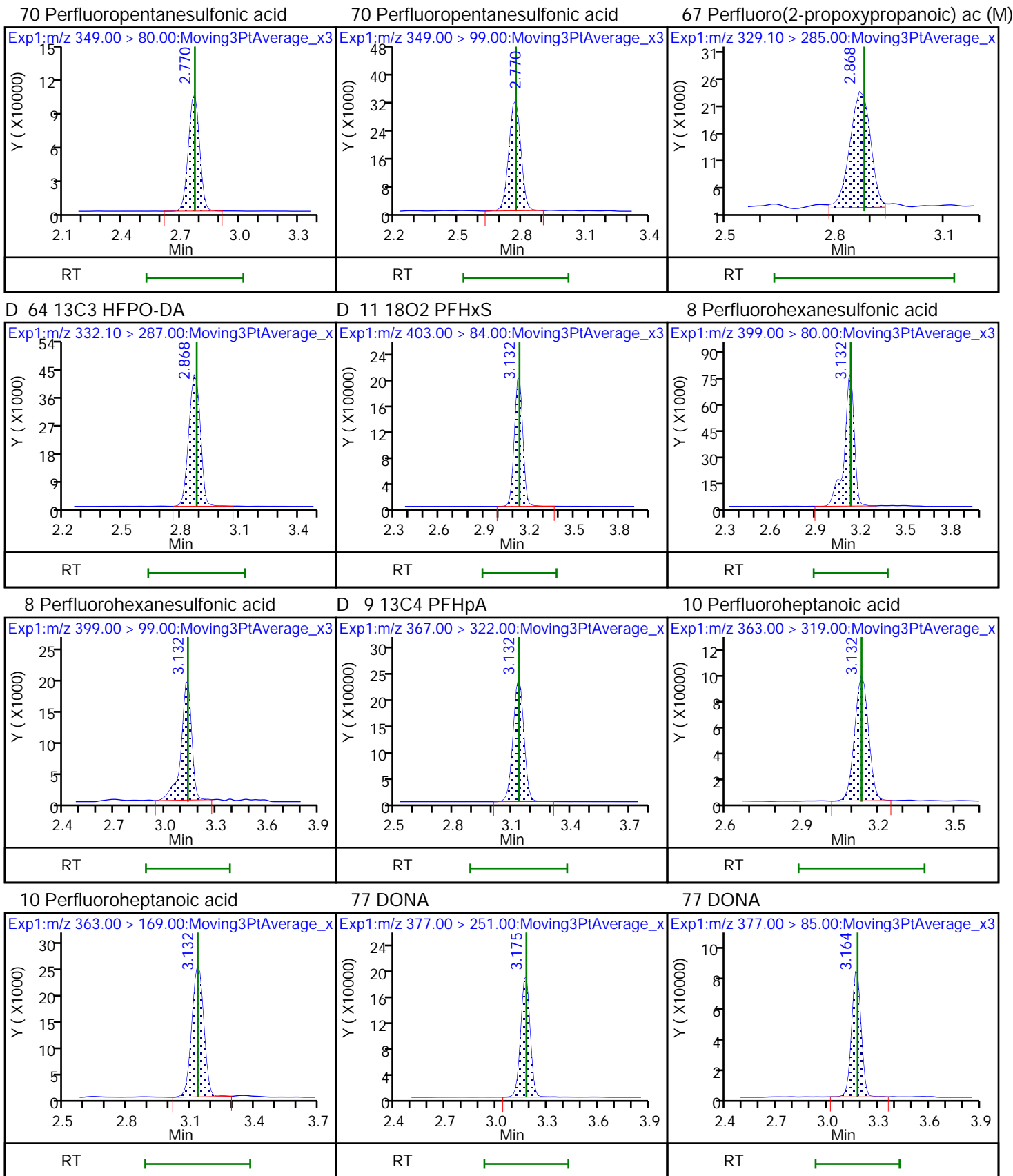


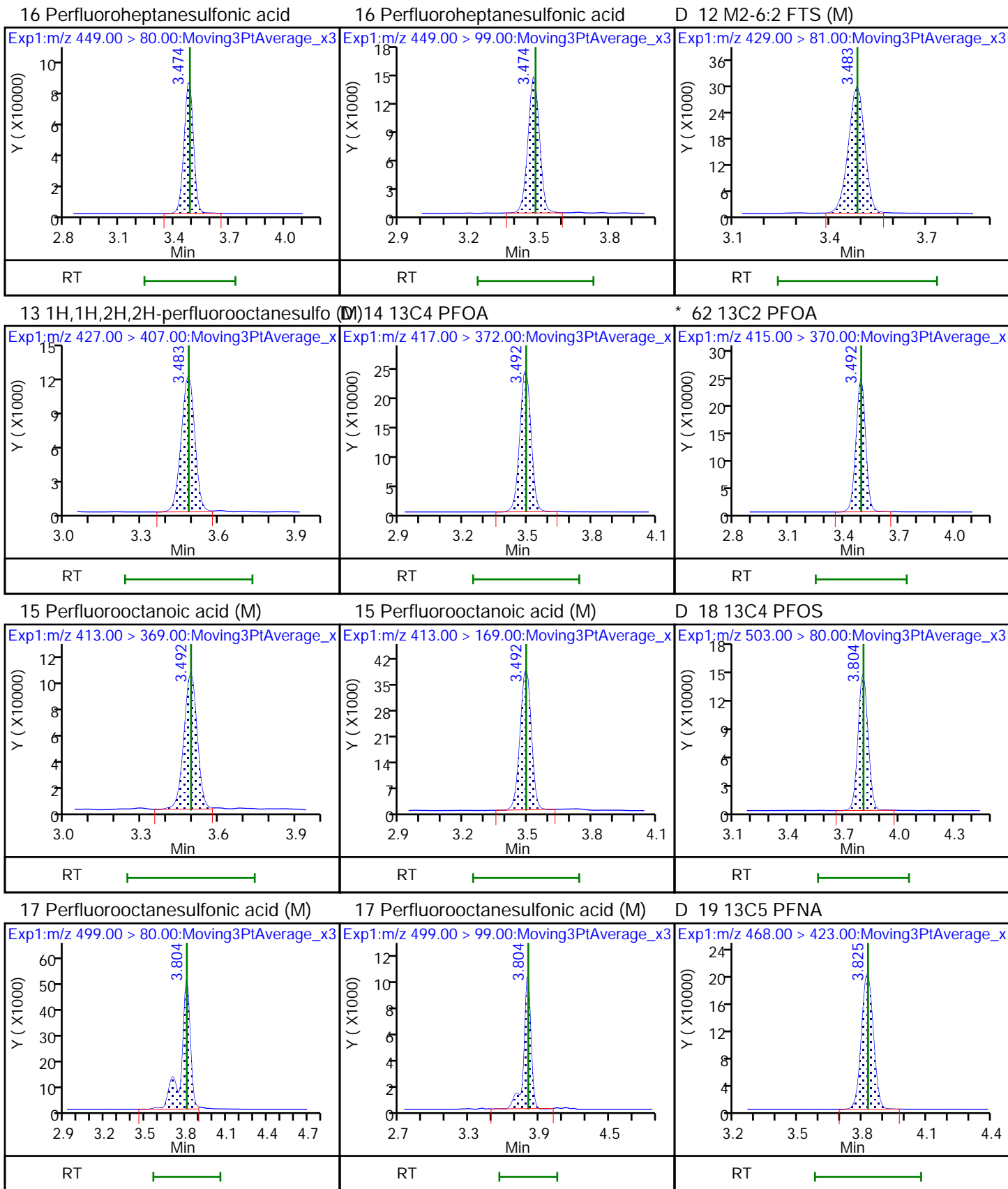
D 7 13C2 PFHxA

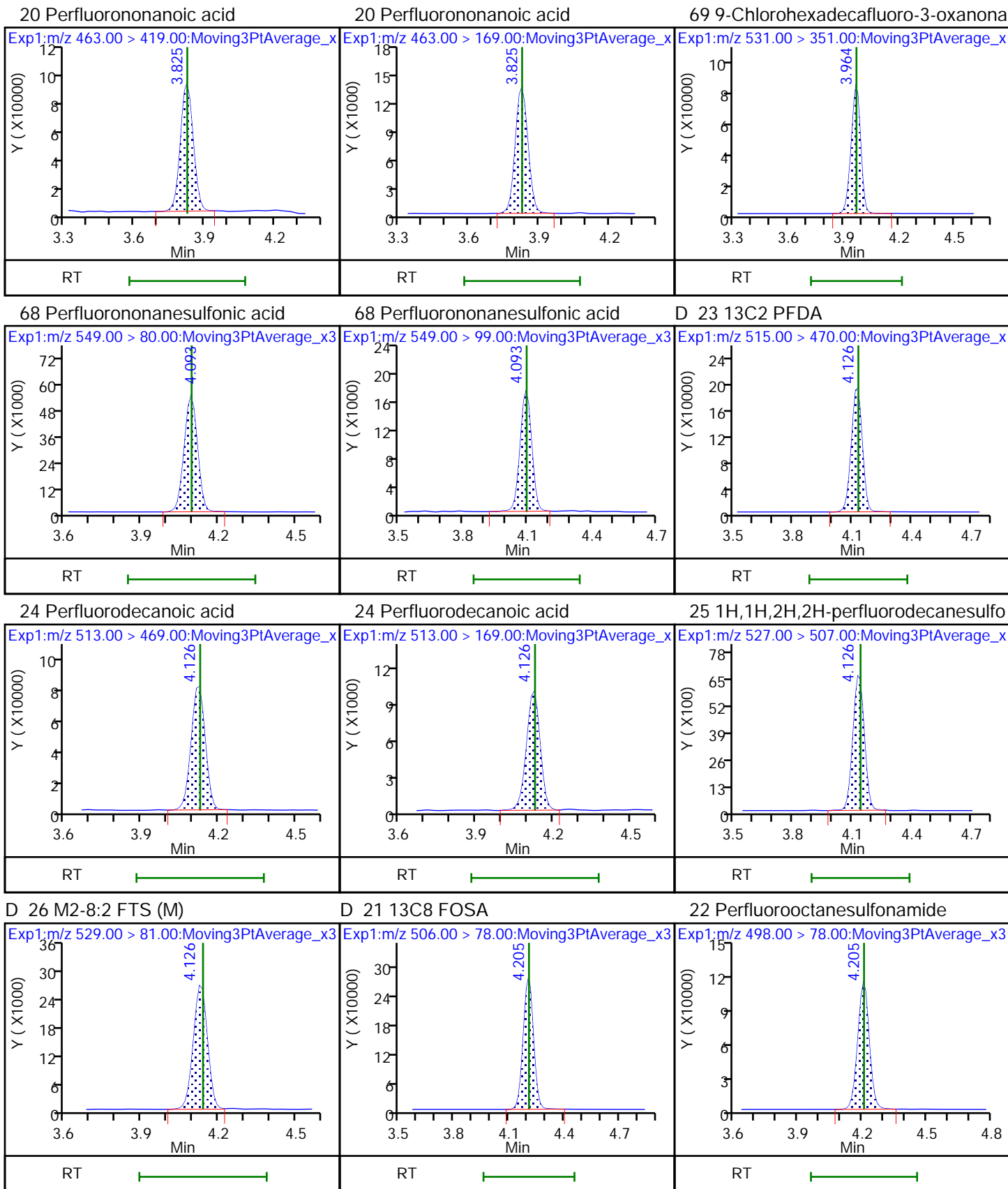
6 Perfluorohexanoic acid

6 Perfluorohexanoic acid





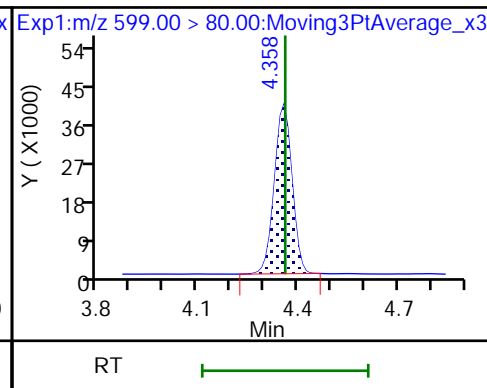
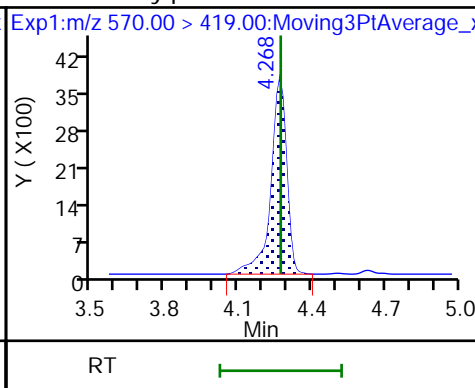
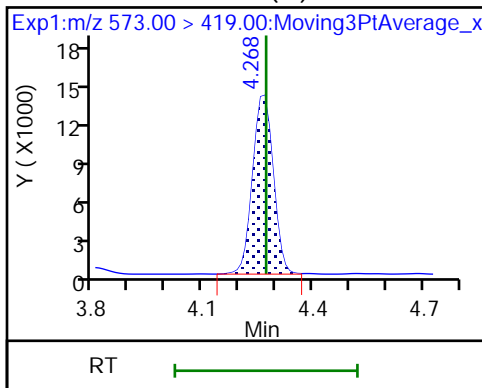




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami

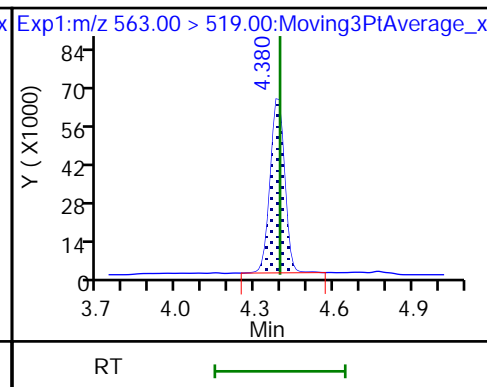
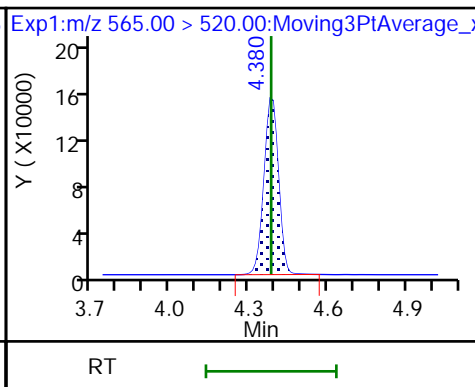
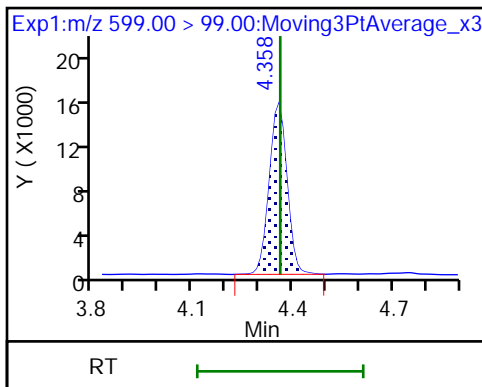
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

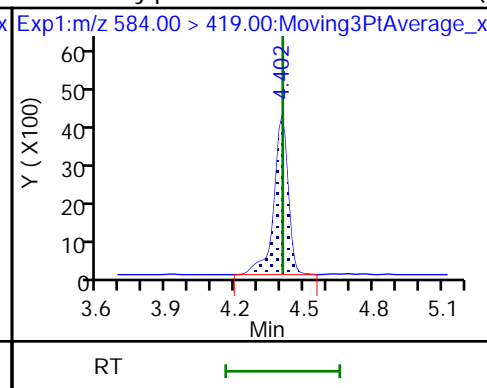
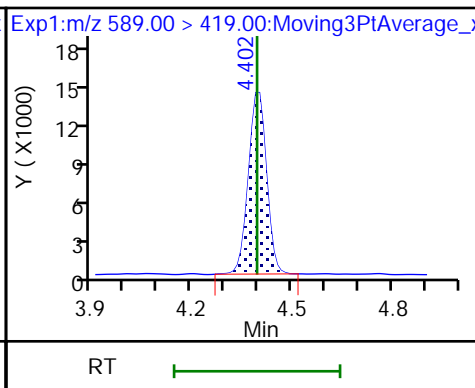
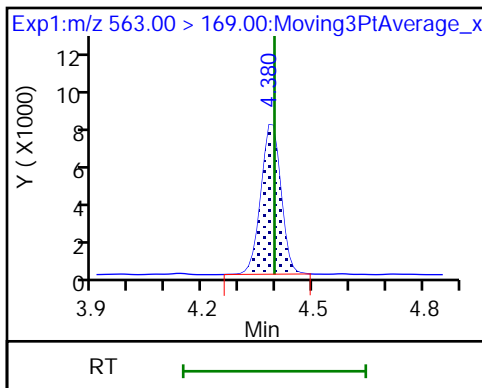
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

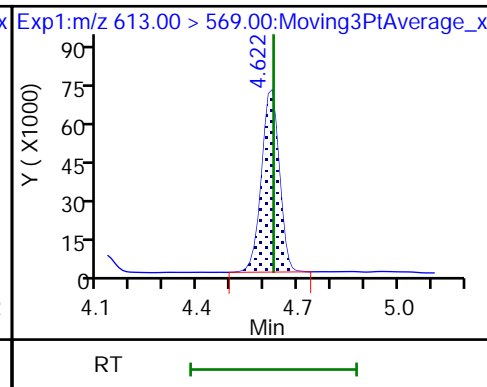
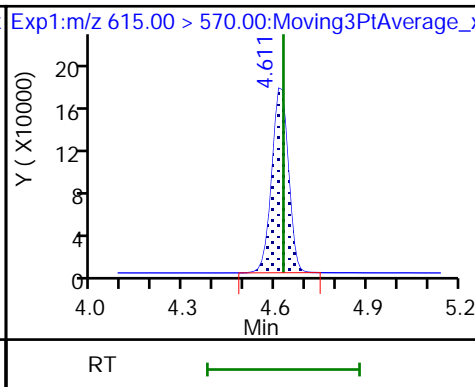
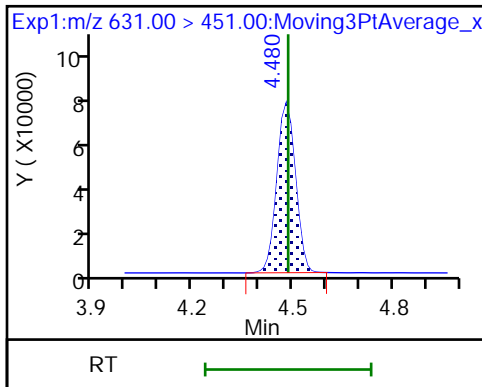
33 N-ethylperfluorooctanesulfonamid (M)

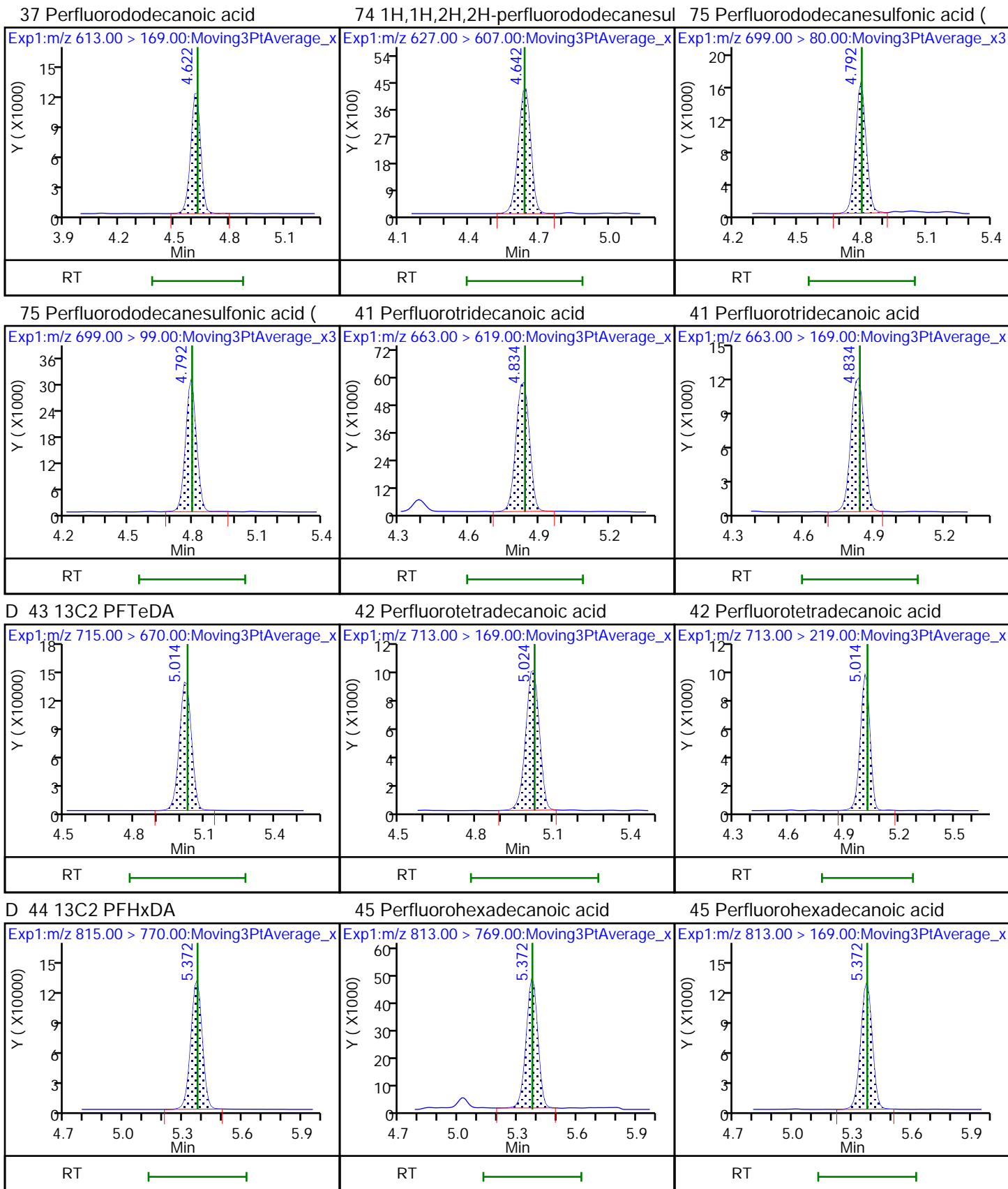


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

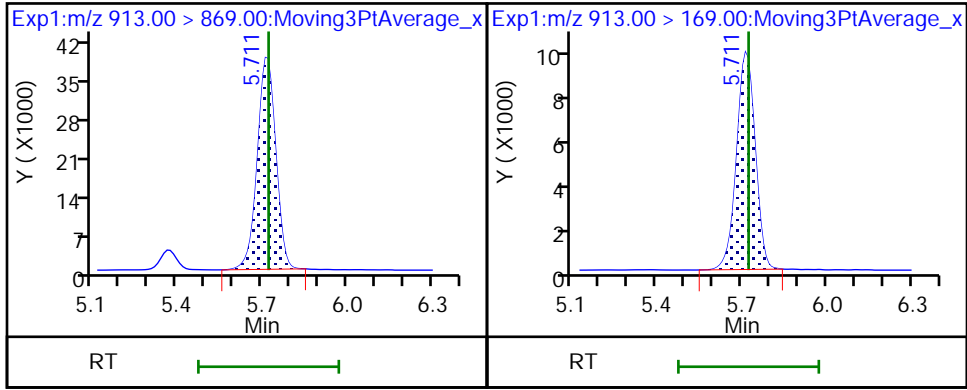
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

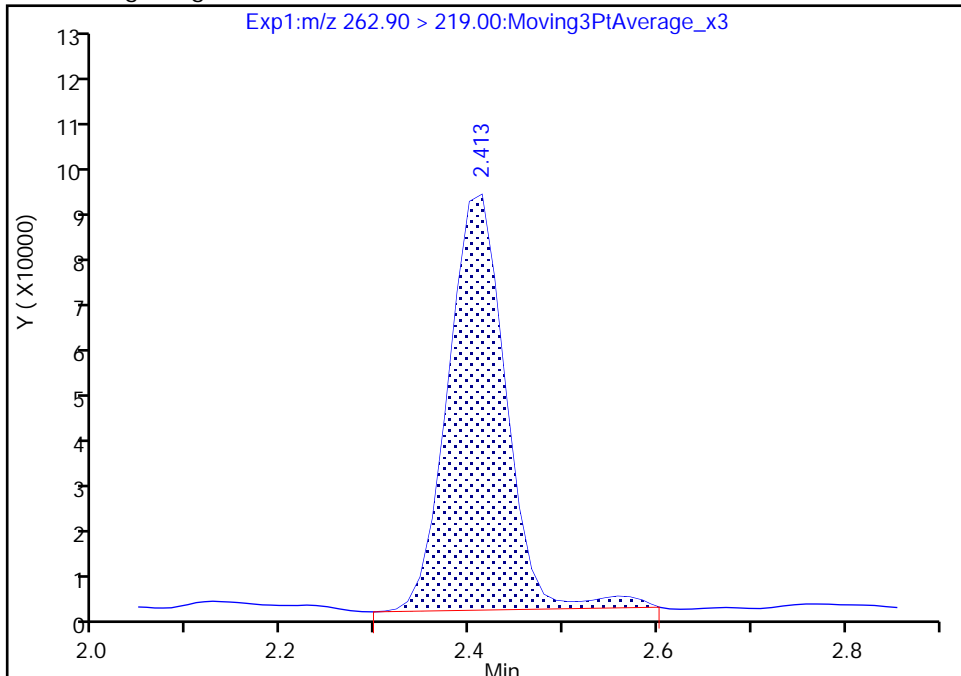
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Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

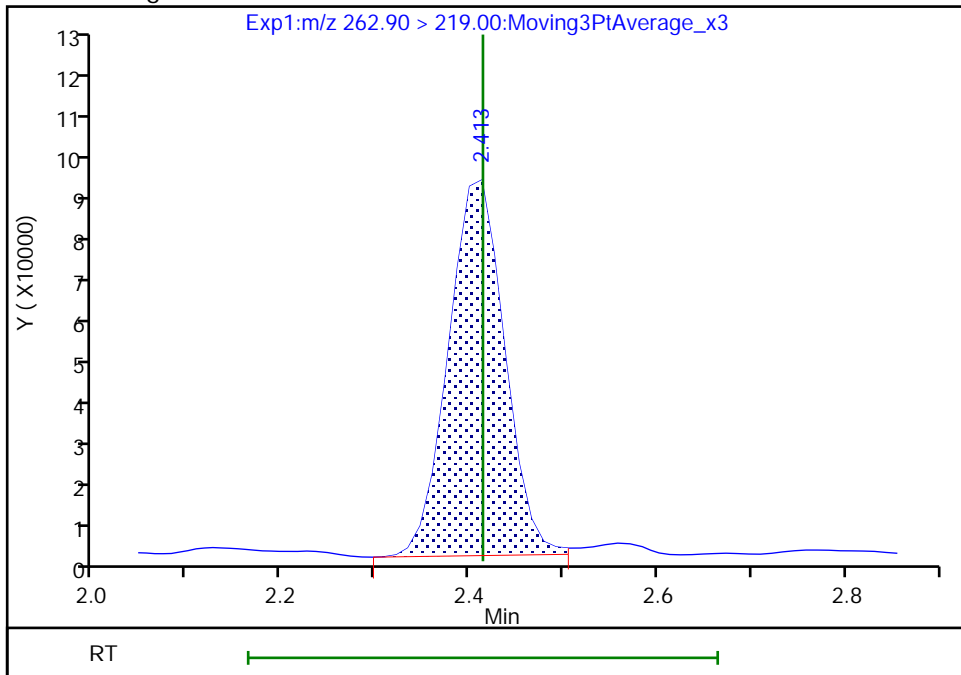
RT: 2.41  
Area: 376357  
Amount: 0.514937  
Amount Units: ng/ml

Processing Integration Results



RT: 2.41  
Area: 366588  
Amount: 0.483194  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:51:30  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



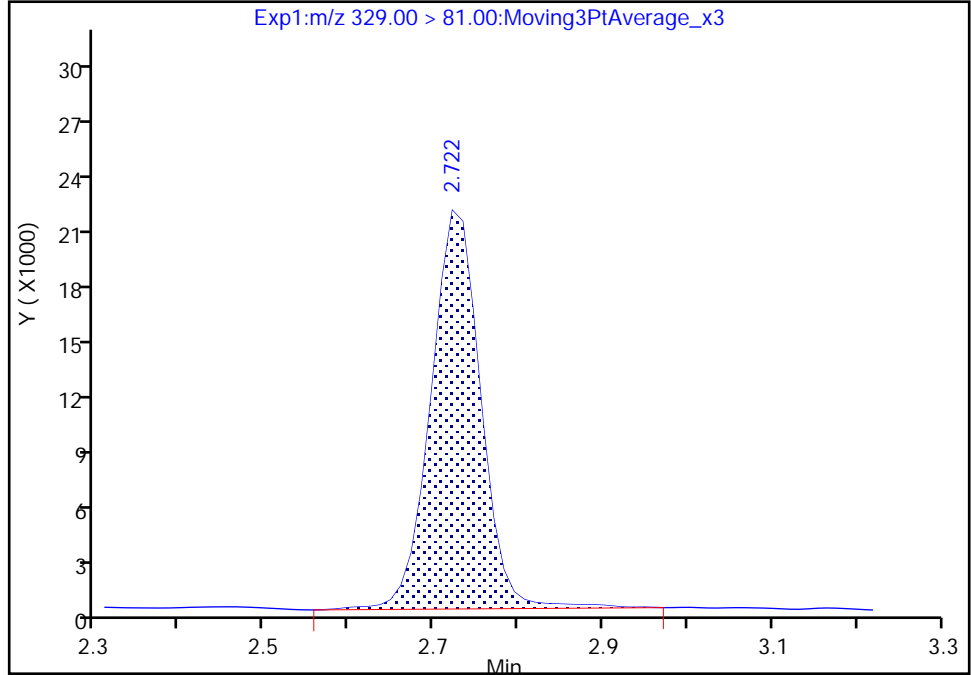
Eurofins TestAmerica, Burlington

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Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395  
Signal: 1

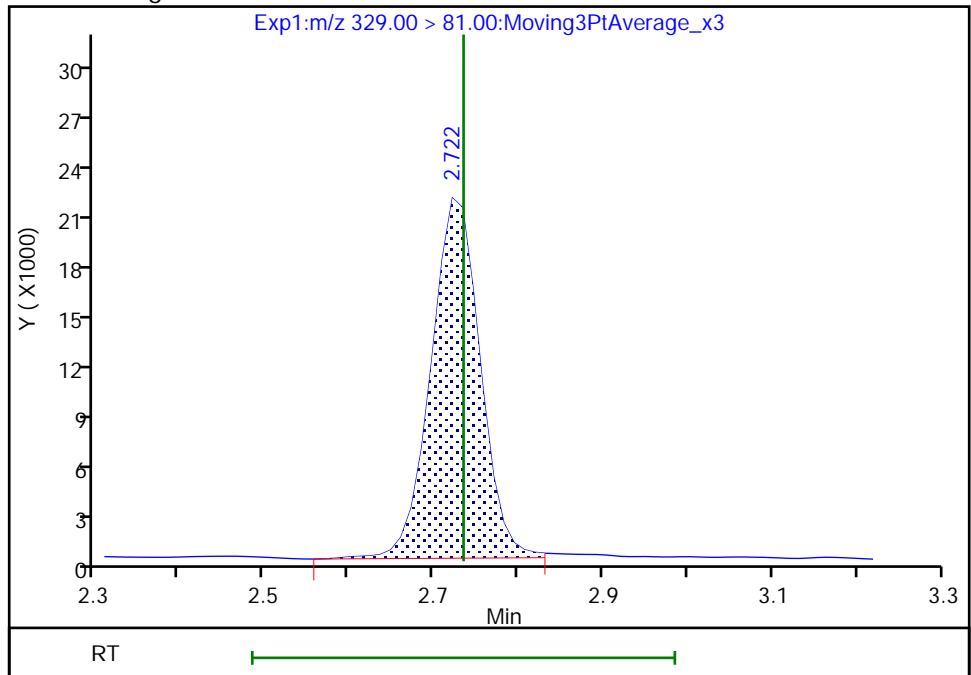
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Amount: 1.182952  
Amount Units: ng/ml

Processing Integration Results



RT: 2.72  
Area: 85984  
Amount: 1.167398  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:51:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

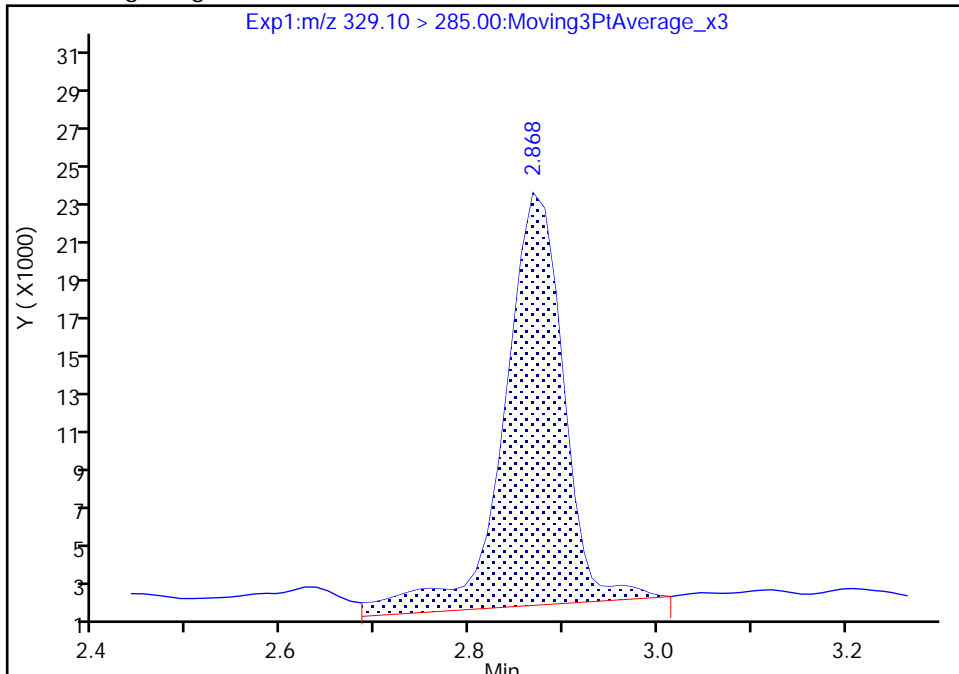
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Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

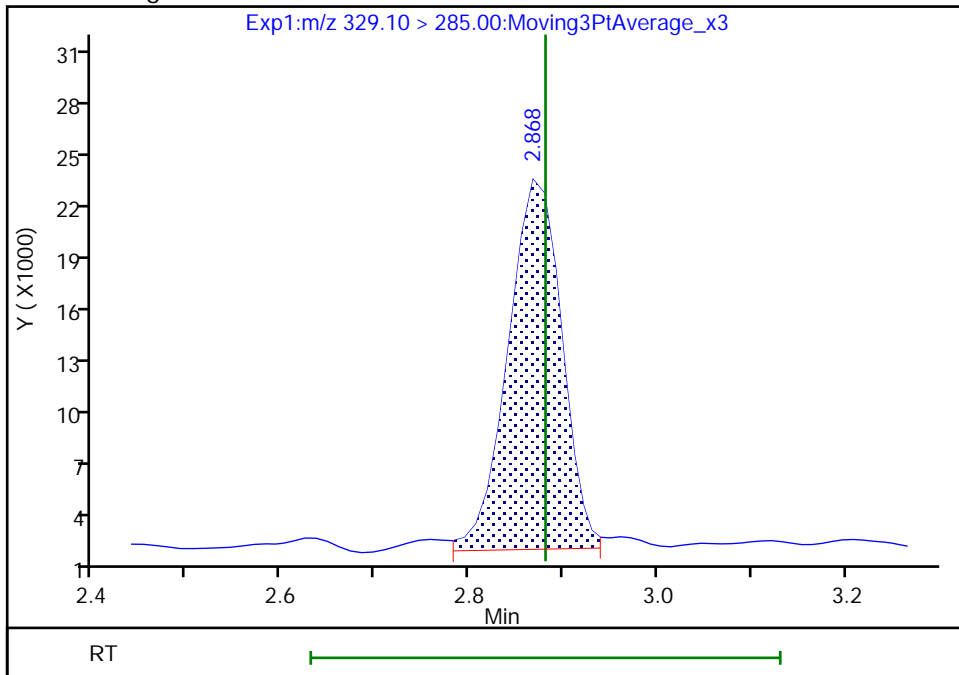
RT: 2.87  
Area: 95640  
Amount: 0.527822  
Amount Units: ng/ml

Processing Integration Results



RT: 2.87  
Area: 84587  
Amount: 0.441734  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:52:01  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

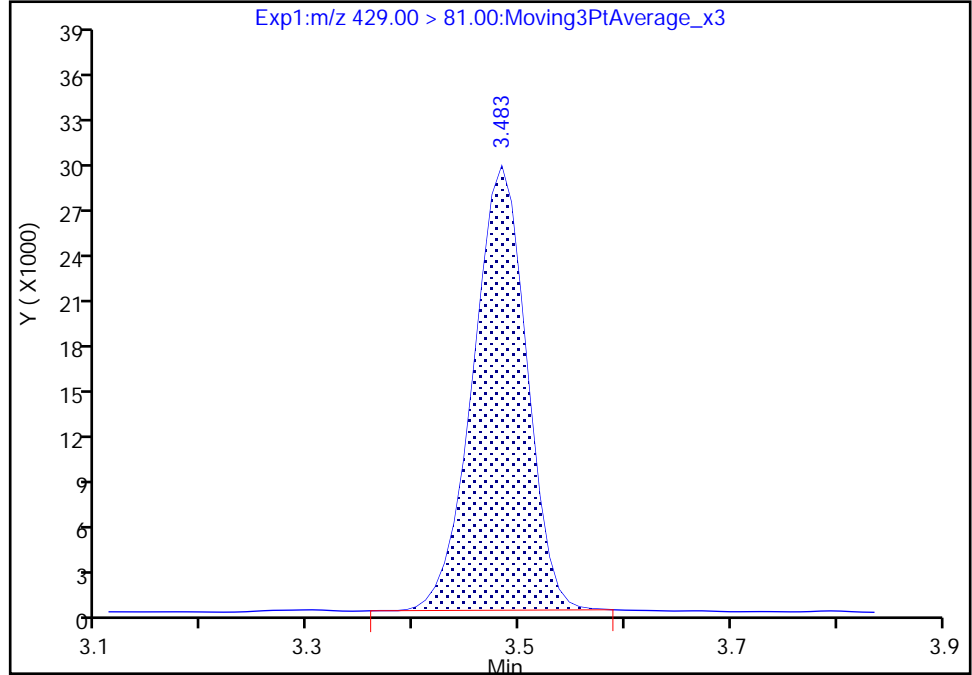
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279  
Signal: 1

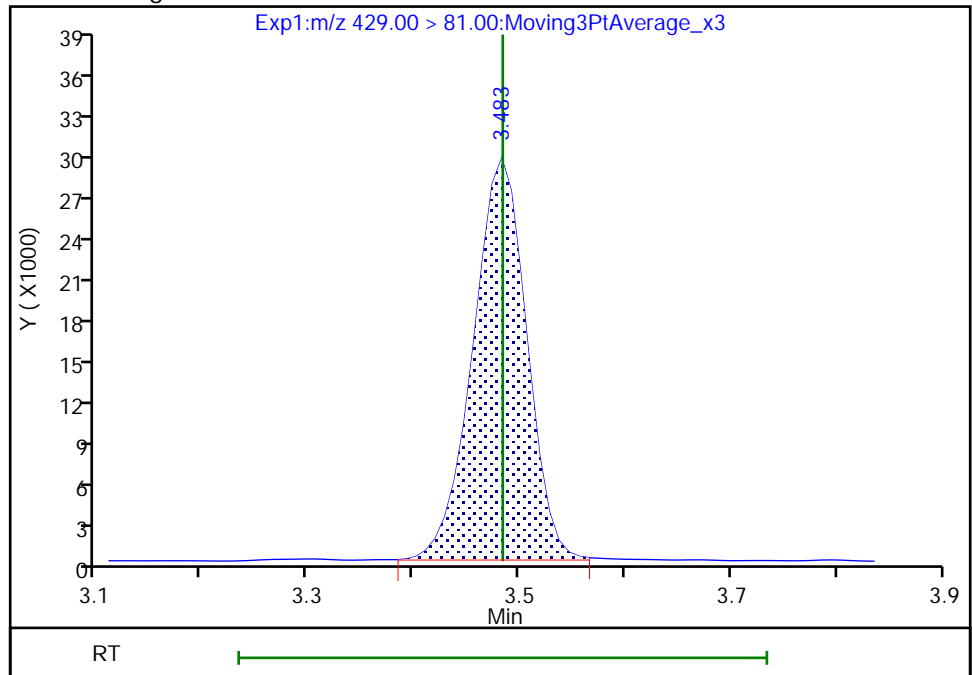
RT: 3.48  
Area: 102045  
Amount: 1.245762  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 102545  
Amount: 1.250373  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:52:25  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

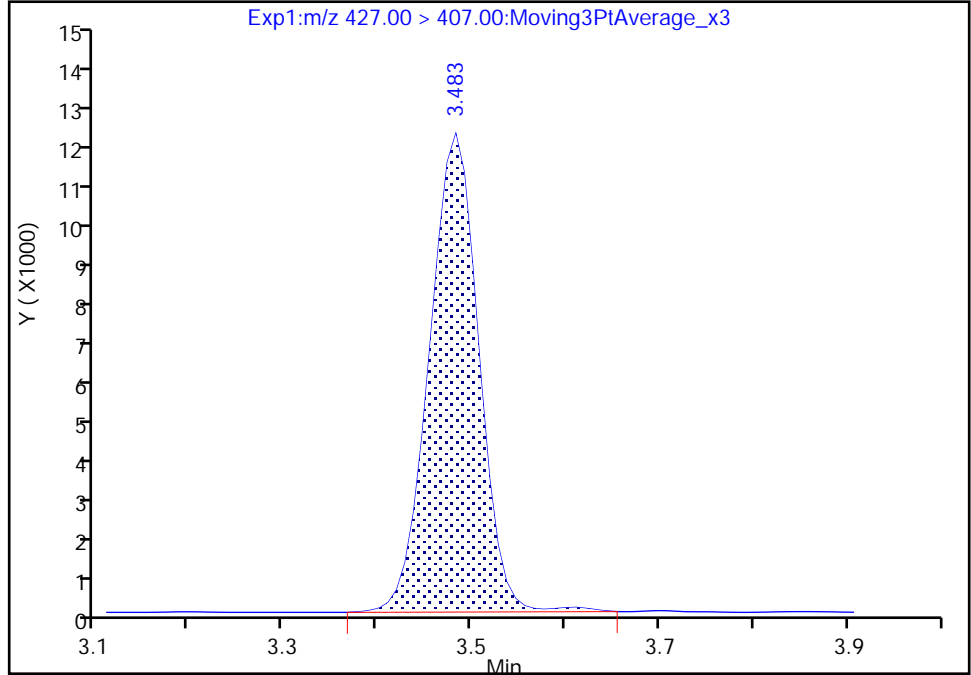
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

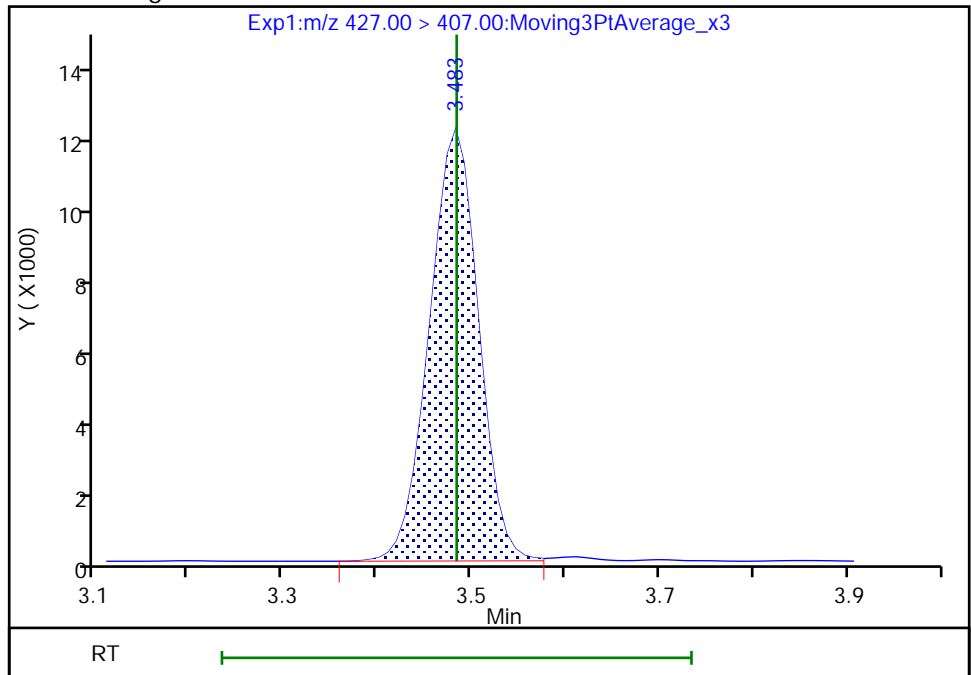
RT: 3.48  
Area: 43369  
Amount: 0.450504  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 43065  
Amount: 0.448336  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:52:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

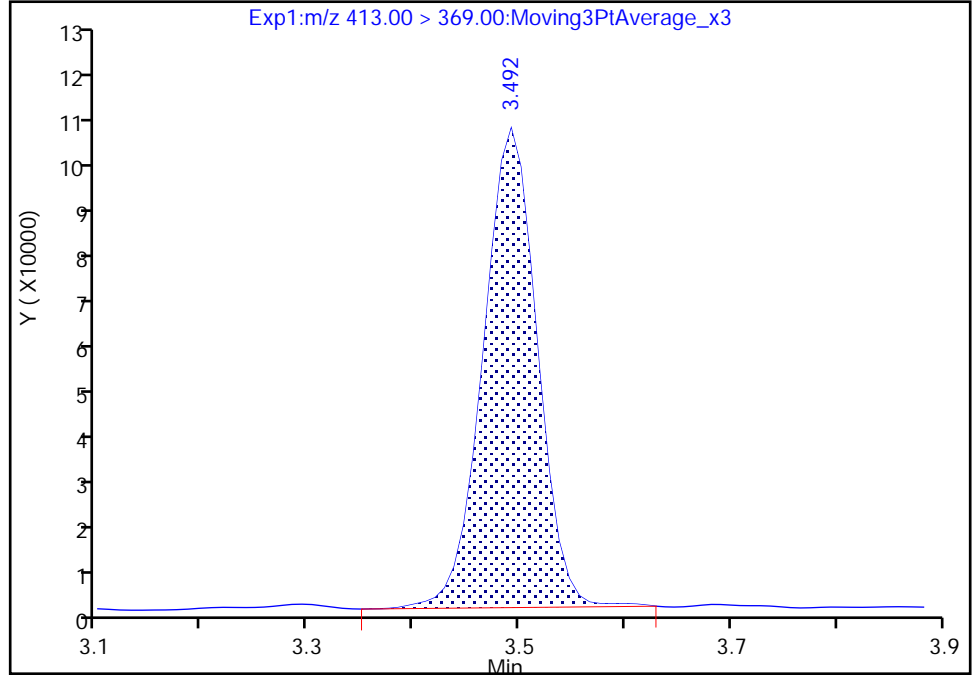
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

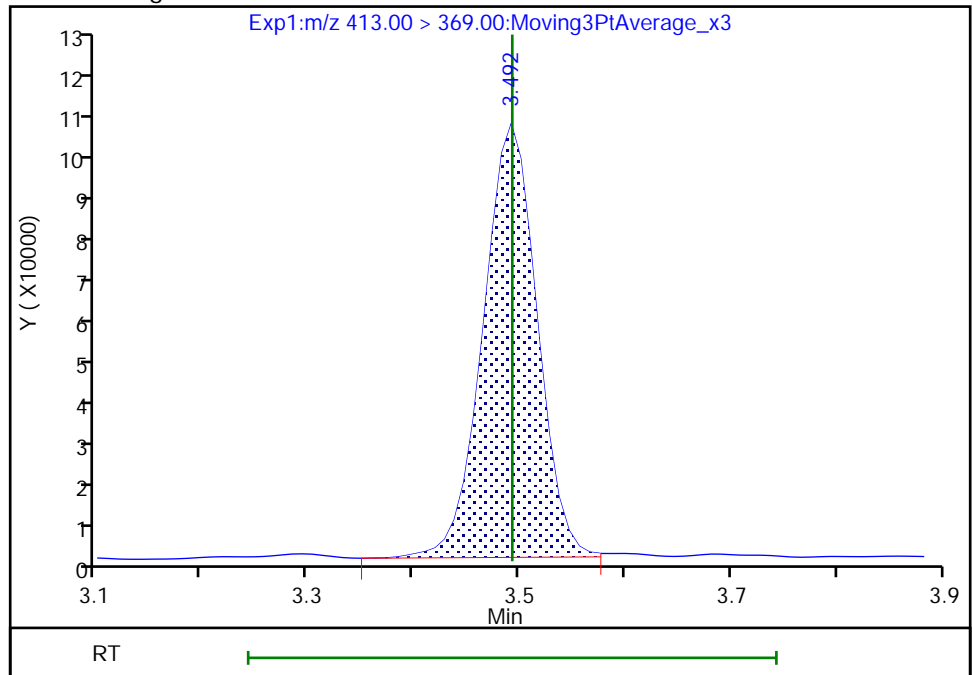
RT: 3.49  
Area: 368121  
Amount: 0.509972  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 367859  
Amount: 0.494714  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:53:04  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

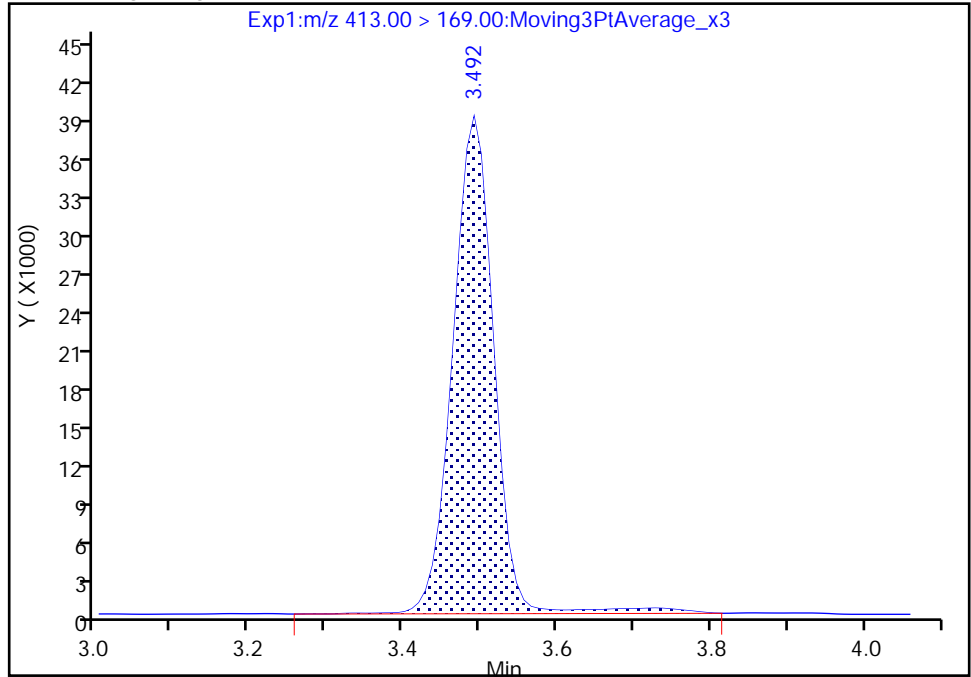
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

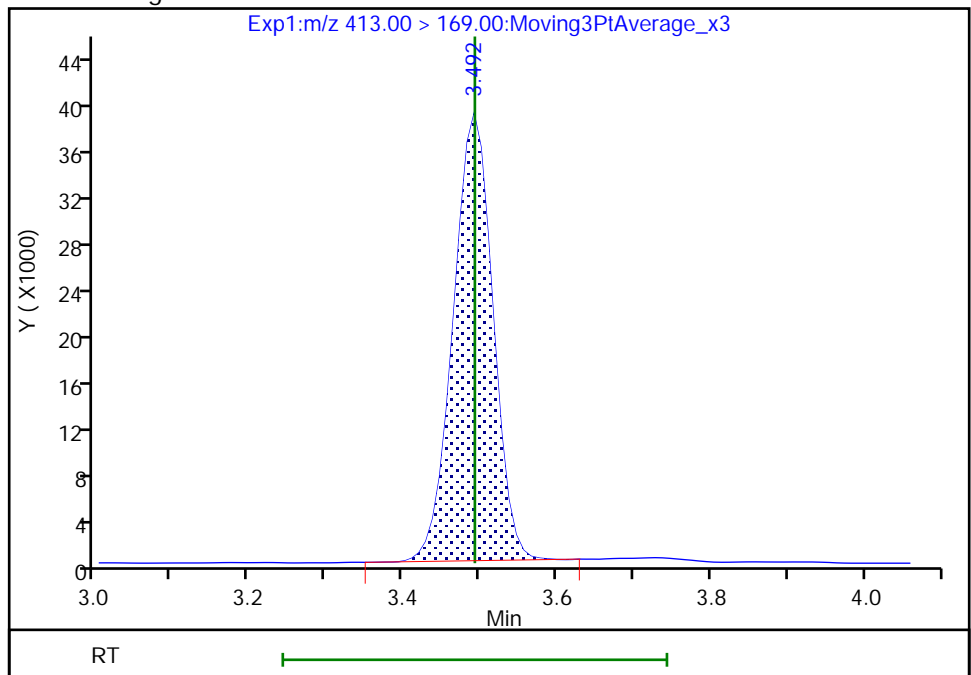
RT: 3.49  
Area: 145339  
Amount: 0.509972  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 139299  
Amount: 0.494714  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:53:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

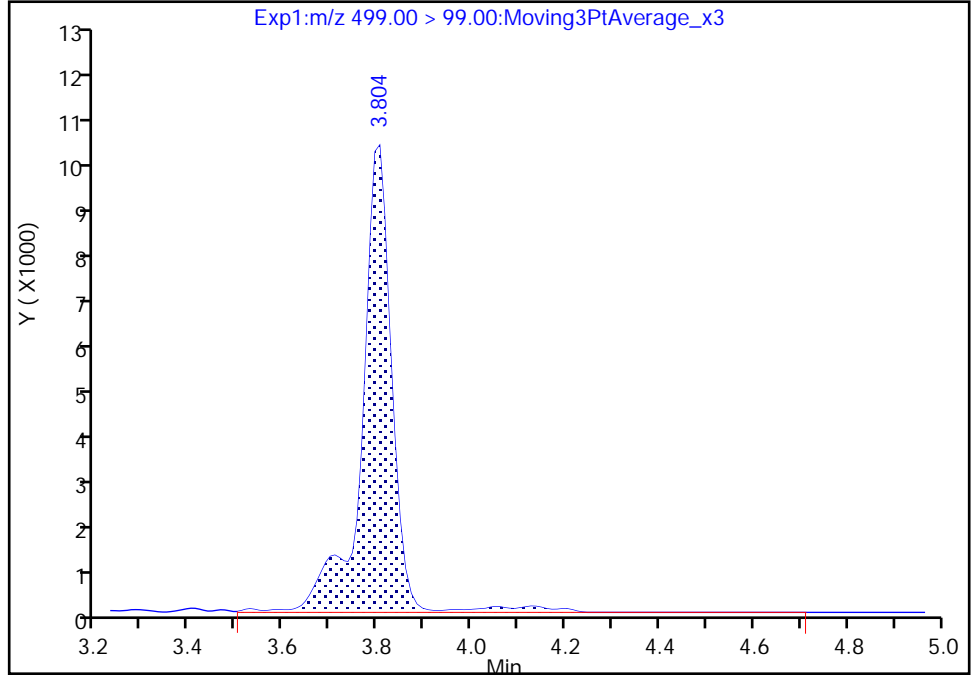
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

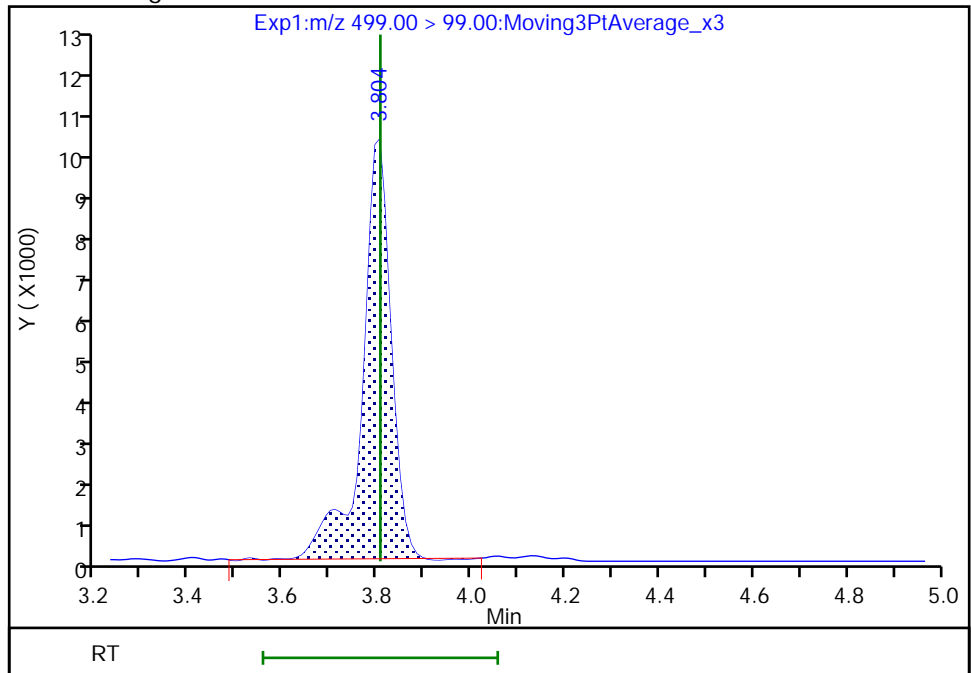
RT: 3.80  
Area: 43473  
Amount: 0.493773  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 40689  
Amount: 0.466267  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:53:23  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

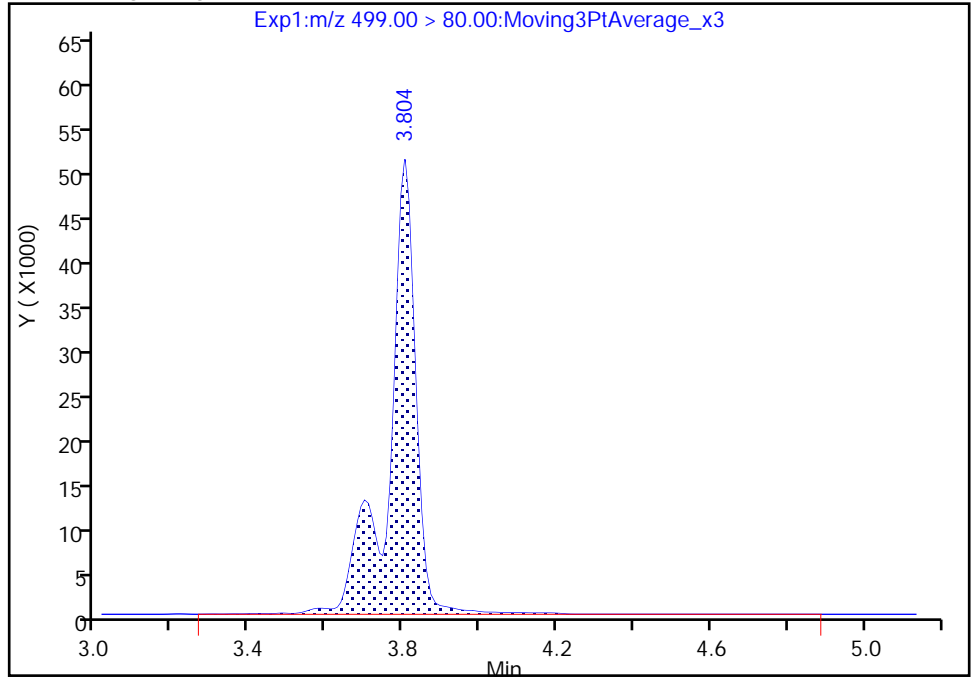
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

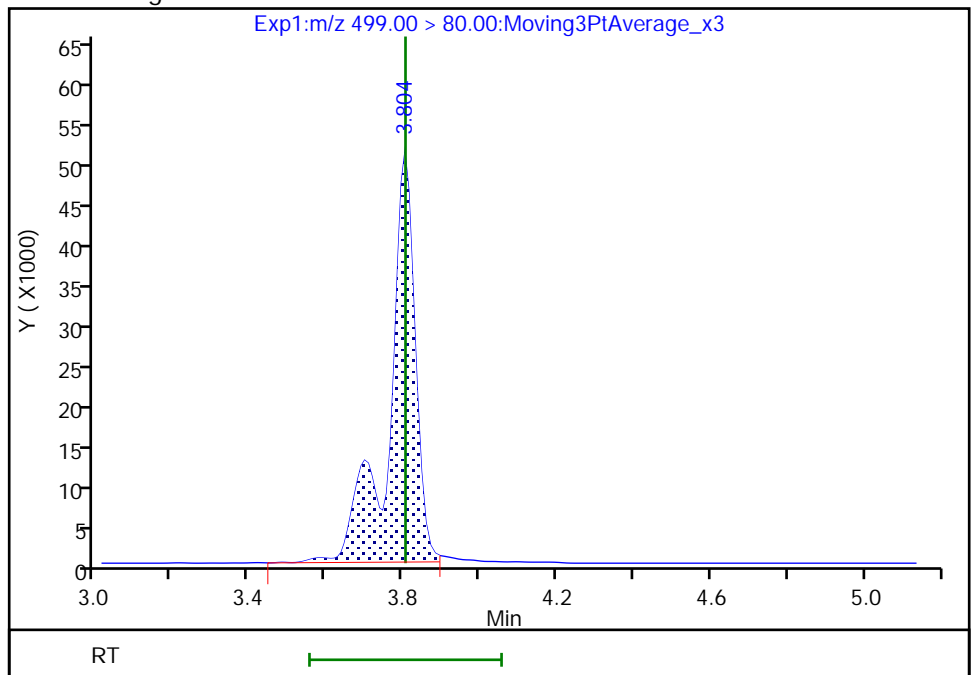
RT: 3.80  
Area: 252343  
Amount: 0.493773  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 243758  
Amount: 0.466267  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:53:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

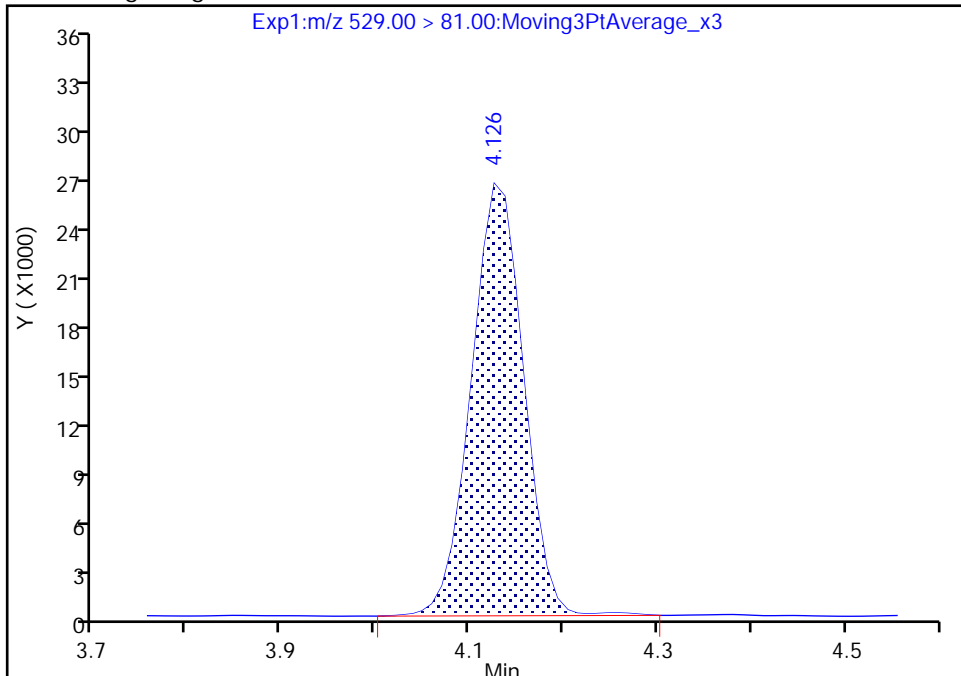
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

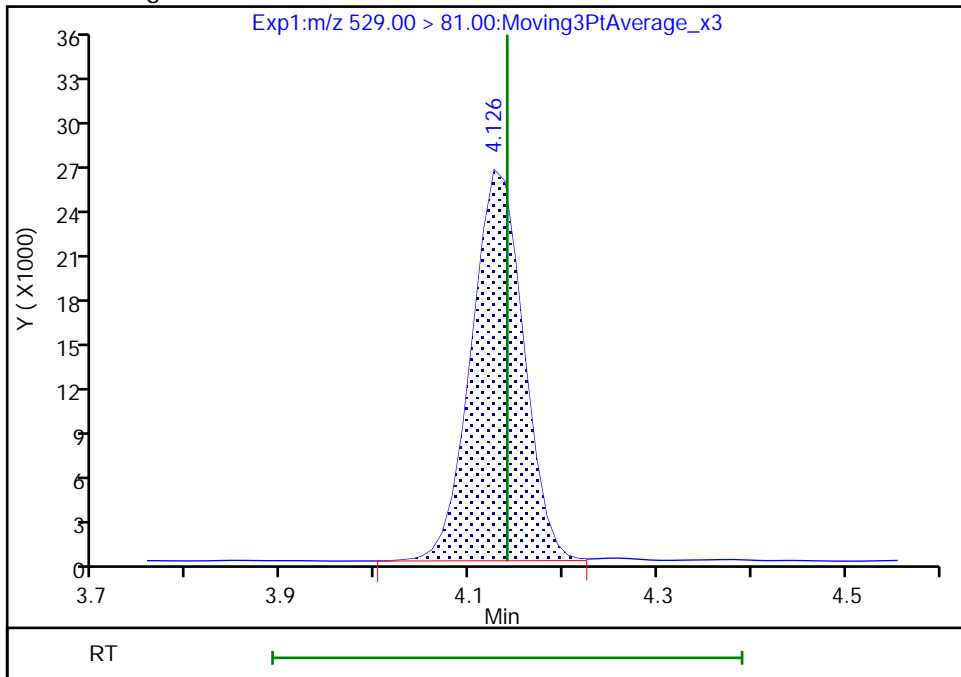
RT: 4.13  
Area: 100736  
Amount: 1.203135  
Amount Units: ng/ml

Processing Integration Results



RT: 4.13  
Area: 100274  
Amount: 1.184999  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:53:41  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

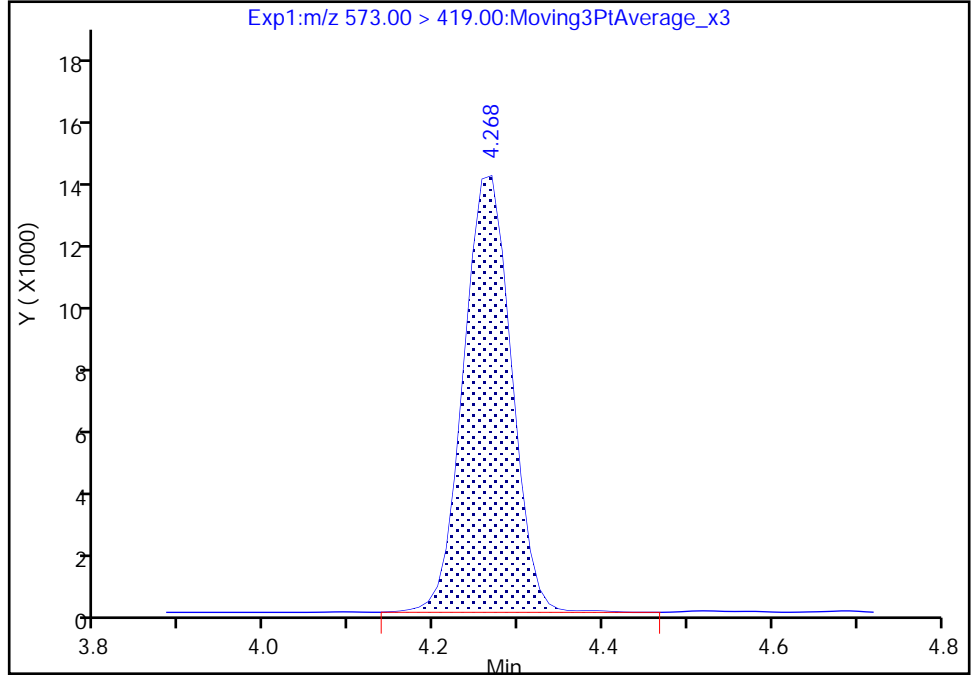
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118  
Signal: 1

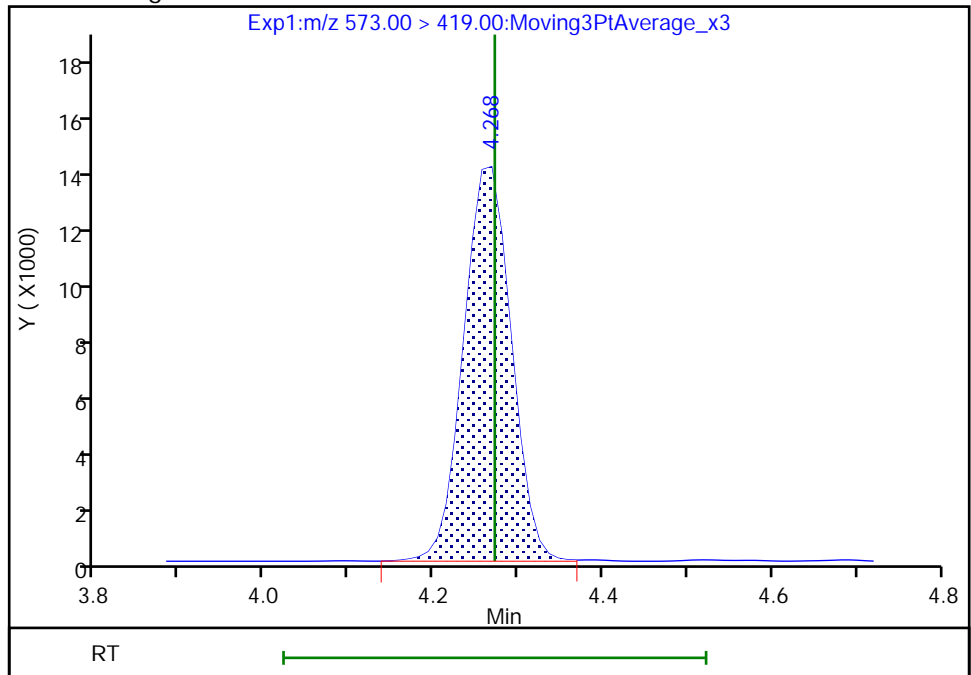
RT: 4.27  
Area: 54433  
Amount: 1.307455  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 54321  
Amount: 1.298778  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:53:51  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

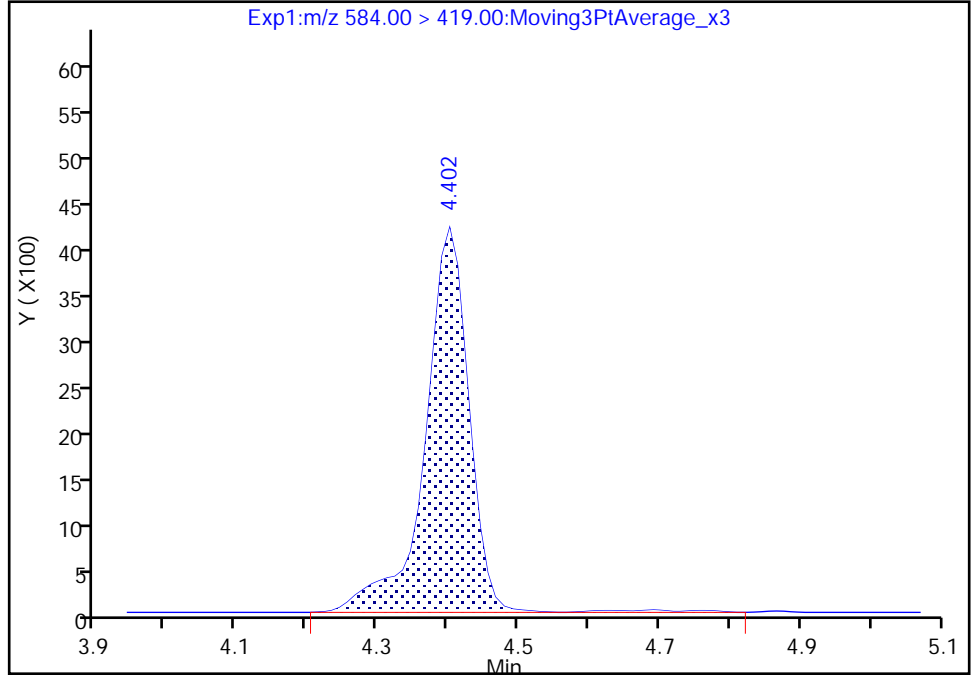
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d  
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

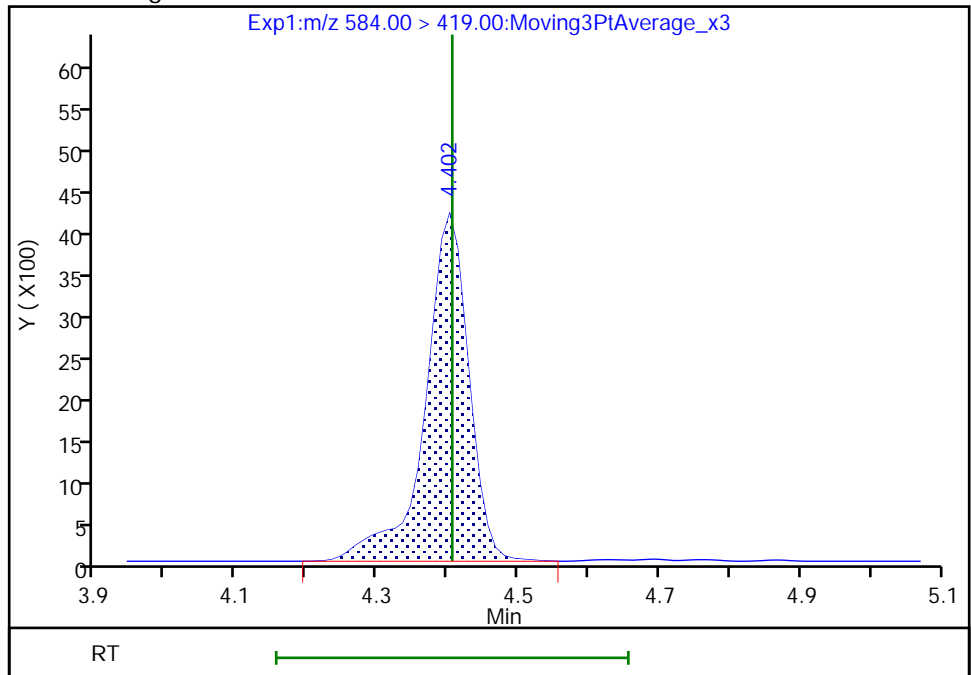
RT: 4.40  
Area: 18376  
Amount: 0.467982  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 18172  
Amount: 0.470712  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:54:12  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d  
 Lims ID: ICIS  
 Client ID:  
 Sample Type: ICIS Calib Level: 4  
 Inject. Date: 22-Dec-2020 13:13:03 ALS Bottle#: 5 Worklist Smp#: 11  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: ICIS  
 Misc. Info.: 200-0044184-011 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 14:39:31 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:57:34

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.091	2.091	0.0	0.599	1185176	1.24	99.2	10280	
2 Perfluorobutanoic acid	212.90 > 169.00	2.091	2.091	0.0	1.000	881958	0.9283	92.8	114	
D 3 13C5 PFPeA	267.90 > 223.00	2.414	2.414	0.0	0.691	843580	1.22	97.7	2846	
4 Perfluoropentanoic acid	262.90 > 219.00	2.414	2.414	0.0	1.000	714864	0.9566	95.7	28.1	
D 47 13C3 PFBS	301.90 > 80.00	2.427	2.427	0.0	0.695	1062494	1.17	101	398684	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.427	2.427	0.0	1.000	865582	0.8371	Target=2.21	94.7	1429
	298.90 > 99.00	2.427	2.427	0.0	1.000	391368		2.21(1.10-3.31)	94.7	429
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.735	2.735	0.0	1.000	123314	0.9093	97.4	1431	
D 60 M2-4:2 FTS	329.00 > 81.00	2.735	2.735	0.0	0.783	86339	1.14	97.5	95.9	M
D 7 13C2 PFHxA	315.00 > 270.00	2.771	2.771	0.0	0.793	895585	1.24	98.9	2915	
6 Perfluorohexanoic acid	313.00 > 269.00	2.771	2.771	0.0	1.000	765249	0.9777	Target=12.17	97.8	193
	313.00 > 119.00	2.771	2.771	0.0	1.000	59624		12.83(6.09-18.26)	97.8	105
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.771	2.771	0.0	0.885	800668	0.9381	Target=3.32	100	1524
	349.00 > 99.00	2.771	2.771	0.0	0.885	239318		3.35(1.66-4.98)	100	463
67 Perfluoro(2-propoxypropanoic) ac	329.10 > 285.00	2.881	2.881	0.0	1.000	169678	0.9151	91.5	19.0	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.881	2.881	0.0	0.825	167297	1.31		105	1158	
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.133	0.0	0.897	769056	1.14		96.1	2513	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.133	3.133	0.0	1.000	671571	0.8762	Target=4.08	96.3	623	M
399.00 > 99.00	3.133	3.133	0.0	1.000	161822		4.15(2.04-6.11)	96.3	175	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	849594	1.23		98.0	2733	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.133	0.0	1.000	723792	0.9750	Target=3.70	97.5	176	
363.00 > 169.00	3.133	3.133	0.0	1.000	197811		3.66(1.85-5.56)	97.5	484	
77 DONA										
377.00 > 251.00	3.176	3.176	0.0	0.835	1397912	0.9000	Target=2.47	95.5	1291	
377.00 > 85.00	3.176	3.176	0.0	0.835	574726		2.43(1.23-3.70)	95.5	519	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.484	3.484	0.0	0.916	572696	0.9144	Target=5.85	96.1	2707	
449.00 > 99.00	3.484	3.484	0.0	0.916	96214		5.95(2.93-8.78)	96.1	548	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.484	3.484	0.0	0.997	96952	1.15		96.6	475	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.484	3.484	0.0	1.000	91369	1.01		106	727	
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.493	0.0	1.000	869201	1.23		98.7	5713	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.493	0.0		889632	1.25			2744	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.493	3.493	0.0	1.000	740338	0.9822	Target=2.58	98.2	177	
413.00 > 169.00	3.493	3.493	0.0	1.000	286978		2.58(1.29-3.87)	98.2	628	
D 18 13C4 PFOS										
503.00 > 80.00	3.806	3.806	0.0	1.089	554310	1.19		99.8	1960	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.806	3.806	0.0	1.000	463174	0.8682	Target=5.56	93.6	522	M
499.00 > 99.00	3.806	3.806	0.0	1.000	82037		5.65(2.78-8.34)	93.6	317	M
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.826	0.0	1.095	760016	1.22		97.9	3695	
20 Perfluorononanoic acid										
463.00 > 419.00	3.826	3.826	0.0	1.000	649860	0.9656	Target=6.87	96.6	110	
463.00 > 169.00	3.826	3.826	0.0	1.000	87334		7.44(3.43-10.30)	96.6	640	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.967	3.967	0.0	1.042	545155	0.9159		98.3	2096	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.095	4.095	0.0	1.076	341392	0.8577	Target=2.78	89.3	1751	M
549.00 > 99.00	4.095	4.095	0.0	1.076	134385		2.54(1.39-4.17)	89.3	357	M
D 23 13C2 PFDA										
515.00 > 470.00	4.129	4.129	0.0	1.182	722168	1.22		97.3	7907	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.129	4.129	0.0	1.000	604674	1.02	Target=9.03	102	401	
513.00 > 169.00	4.129	4.129	0.0	1.000	65108		9.29(4.51-13.54)	102	408	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.140	4.140	0.0	1.000	51395	0.8998		93.9	944	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.140	4.140	0.0	1.185	100569	1.15		96.3	455	
D 21 13C8 FOSA										
506.00 > 78.00	4.207	4.207	0.0	1.204	1069567	1.22		98.0	1916	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.207	4.207	0.0	1.000	853072	0.99		99.5	2290	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.272	4.272	0.0	1.223	52781	1.23		98.0	124	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.272	4.272	0.0	1.000	38043	1.02		102	275	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.362	4.362	0.0	1.146	302428	0.9531	Target=2.76	98.9	1641	
599.00 > 99.00	4.362	4.362	0.0	1.146	108196		2.80(1.38-4.14)	98.9	554	
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.384	0.0	1.255	595523	1.22		97.6	2499	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.395	4.395	0.0	1.003	493796	1.02	Target=8.02	102	177	
563.00 > 169.00	4.395	4.395	0.0	1.003	60802		8.12(4.01-12.03)	102	1209	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.395	0.0	1.258	50481	1.21		97.0	447	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.406	4.406	0.0	1.003	35802	0.9577		95.8	637	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.485	4.485	0.0	1.179	584047	0.9457		100	1618	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.626	4.626	0.0	1.324	641373	1.25		99.6	1825	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.626	4.626	0.0	1.000	546074	0.9676	Target=6.85	96.8	153	
613.00 > 169.00	4.616	4.626	-0.010	0.998	79070		6.91(3.42-10.27)	96.8	1104	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.637	4.637	0.0	1.120	28609	0.9729		101	523	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.797	4.797	0.0	1.260	106502	0.9123	Target=0.53	94.2	287	M
699.00 > 99.00	4.797	4.797	0.0	1.260	208152		0.51(0.26-0.79)	94.2	825	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.839	4.839	0.0	1.046	448445	0.9792	Target=4.48	97.9	173	
663.00 > 169.00	4.839	4.839	0.0	1.046	102042		4.39(2.24-6.72)	97.9	959	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.027	5.027	0.0	1.439	450404	1.18		94.6	1593	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.027	5.027	0.0	1.000	71818	1.07	Target=0.99	107	1310	
713.00 > 219.00	5.018	5.027	-0.009	0.998	67692		1.06(0.50-1.49)	107	2370	

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 44 13C2 PFHxDA										
815.00 > 770.00	5.374	5.374	0.0	1.539	496455	1.22		97.6	1772	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.374	5.374	0.0	1.000	370408	0.9863	Target=4.02	98.6	105	
813.00 > 169.00	5.374	5.374	0.0	1.000	96475		3.84(2.01-6.02)	98.6	1401	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.065	355381	0.99	Target=3.88	99.4	241	
913.00 > 169.00	5.722	5.722	0.0	1.065	90588		3.92(1.94-5.82)	99.4	794	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC4\_00015

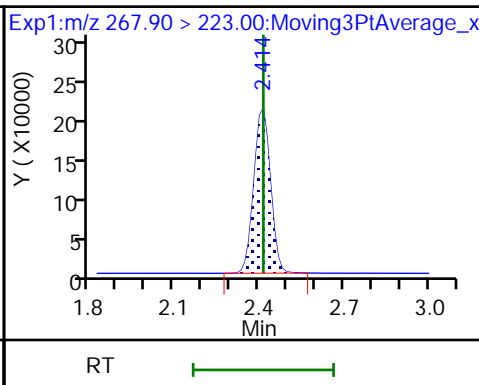
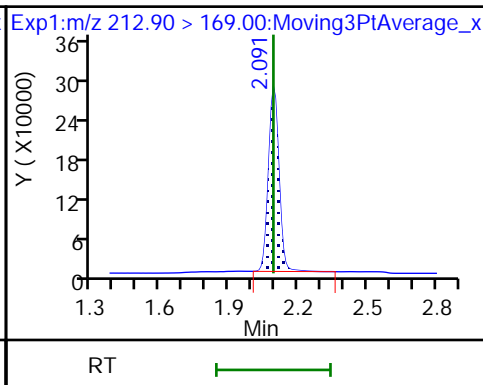
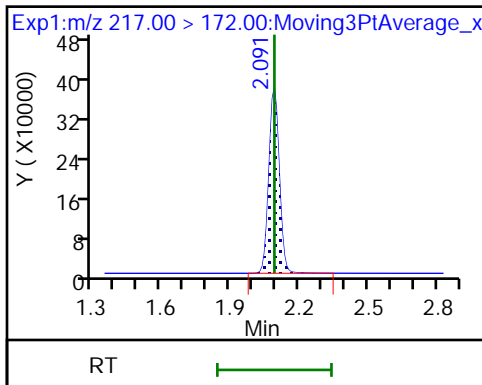
Amount Added: 100.00

Units: uL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

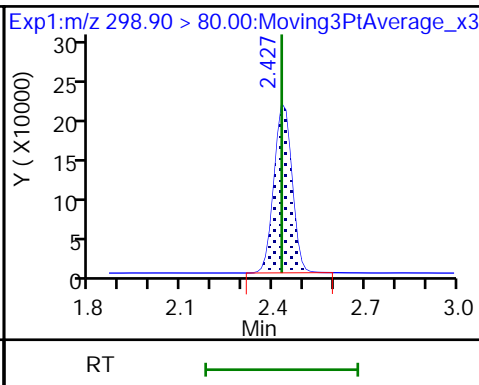
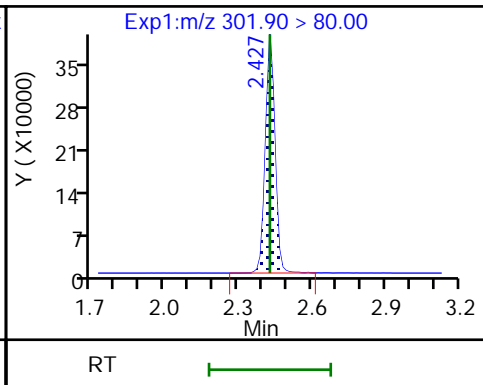
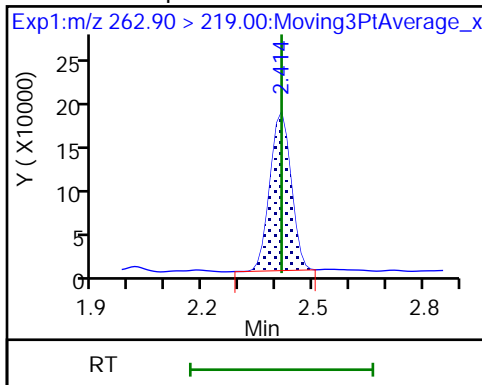
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

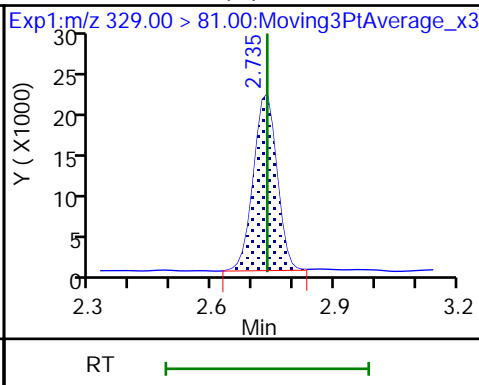
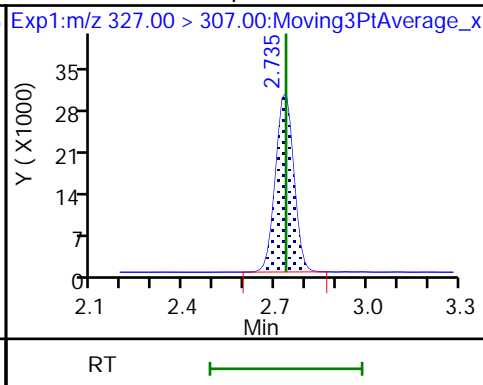
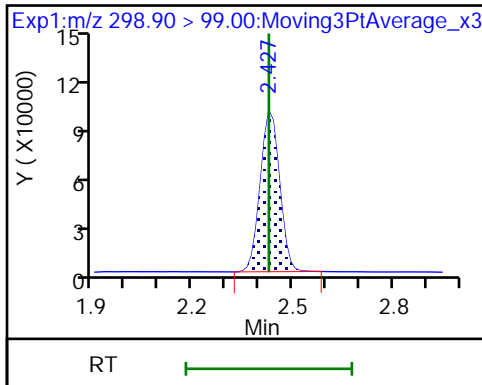
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

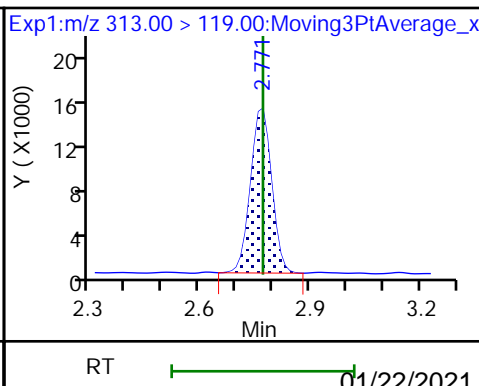
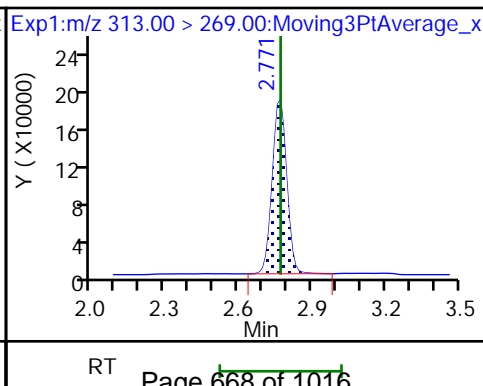
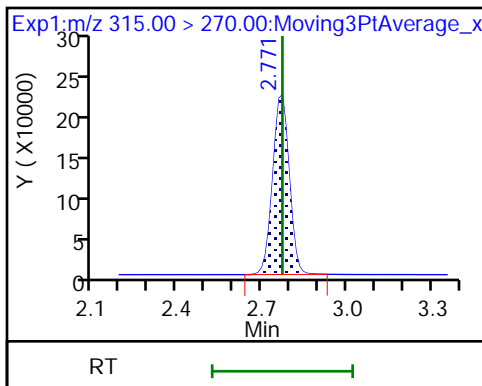
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)



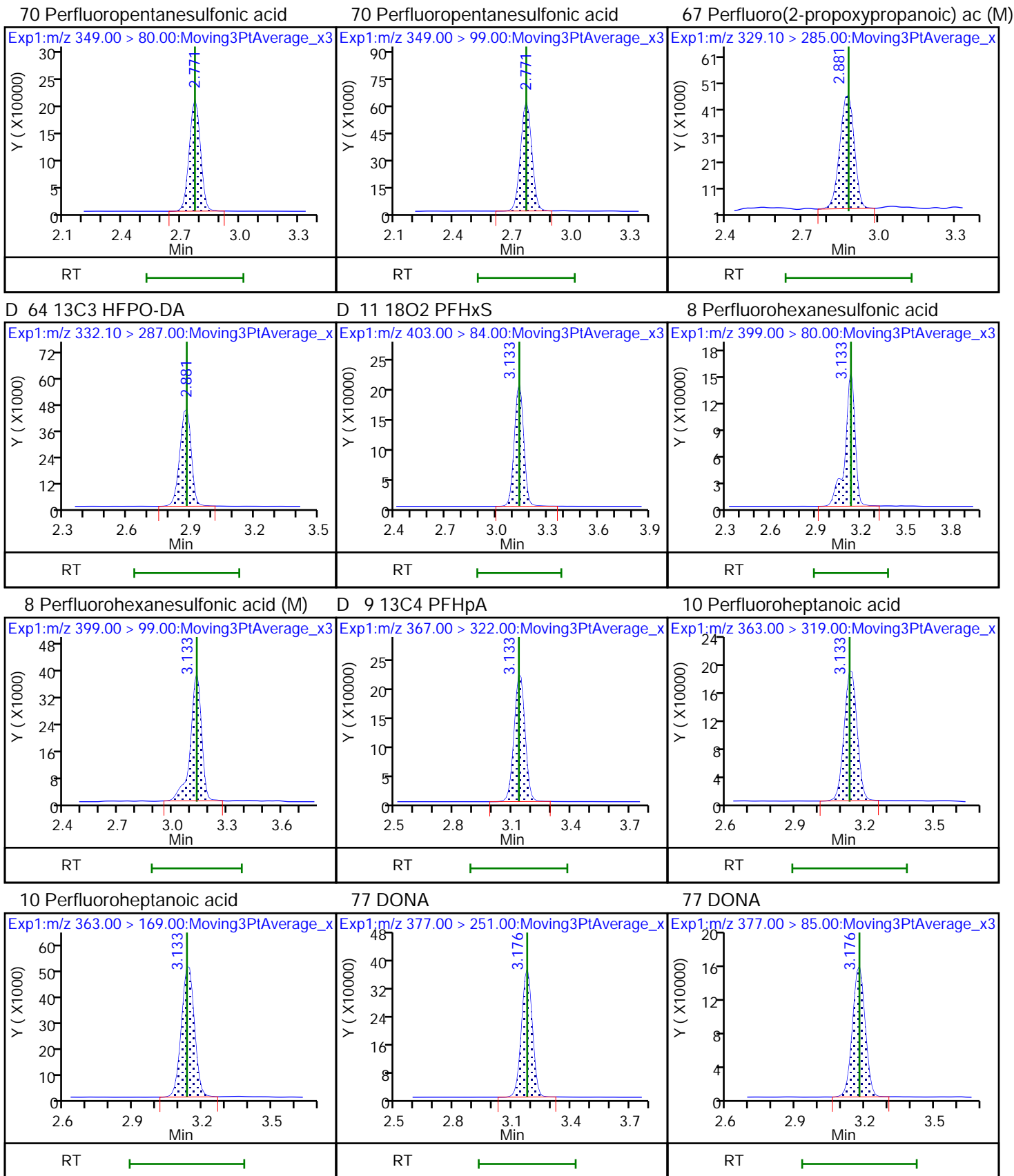
D 7 13C2 PFHxA

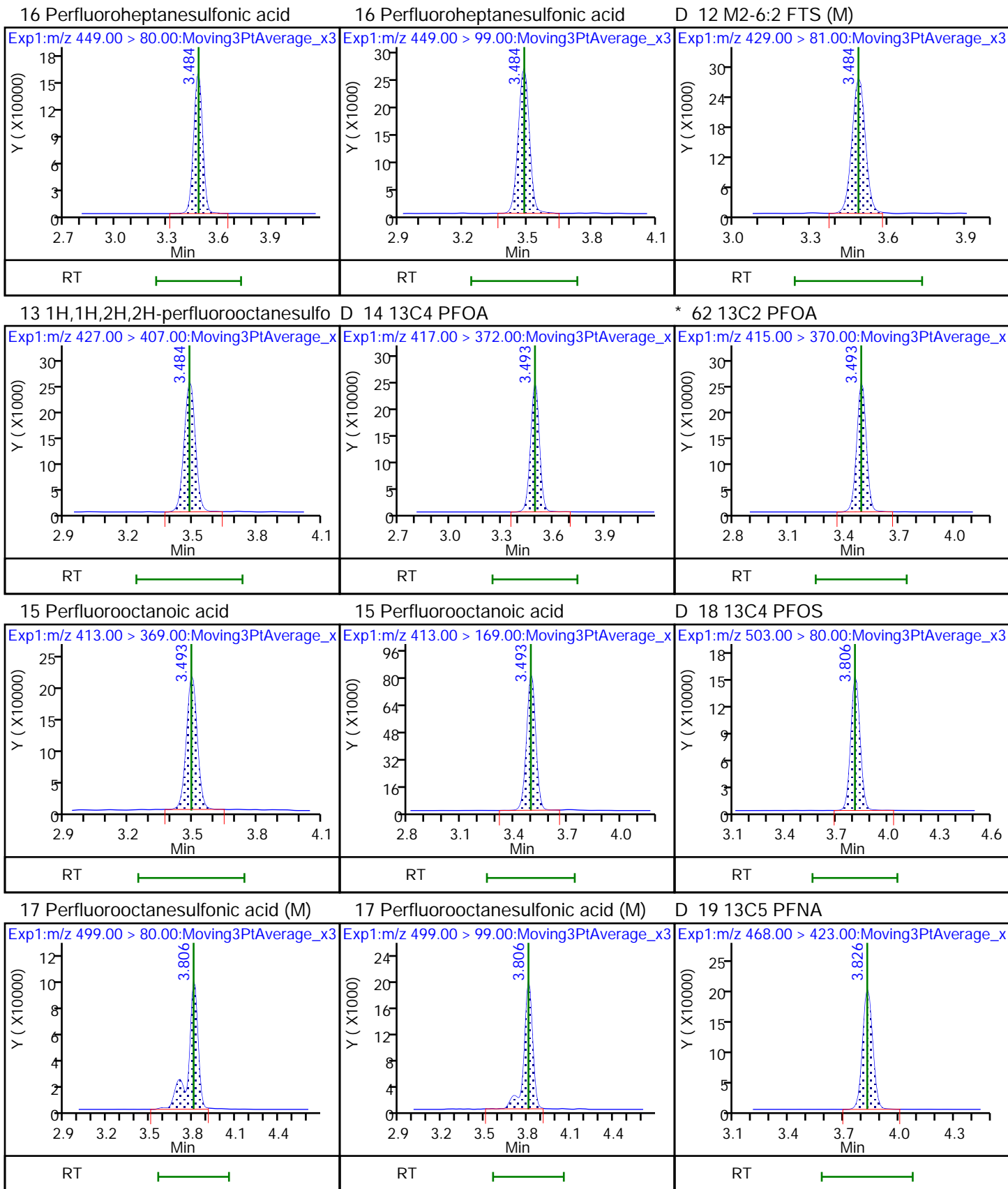
6 Perfluorohexanoic acid

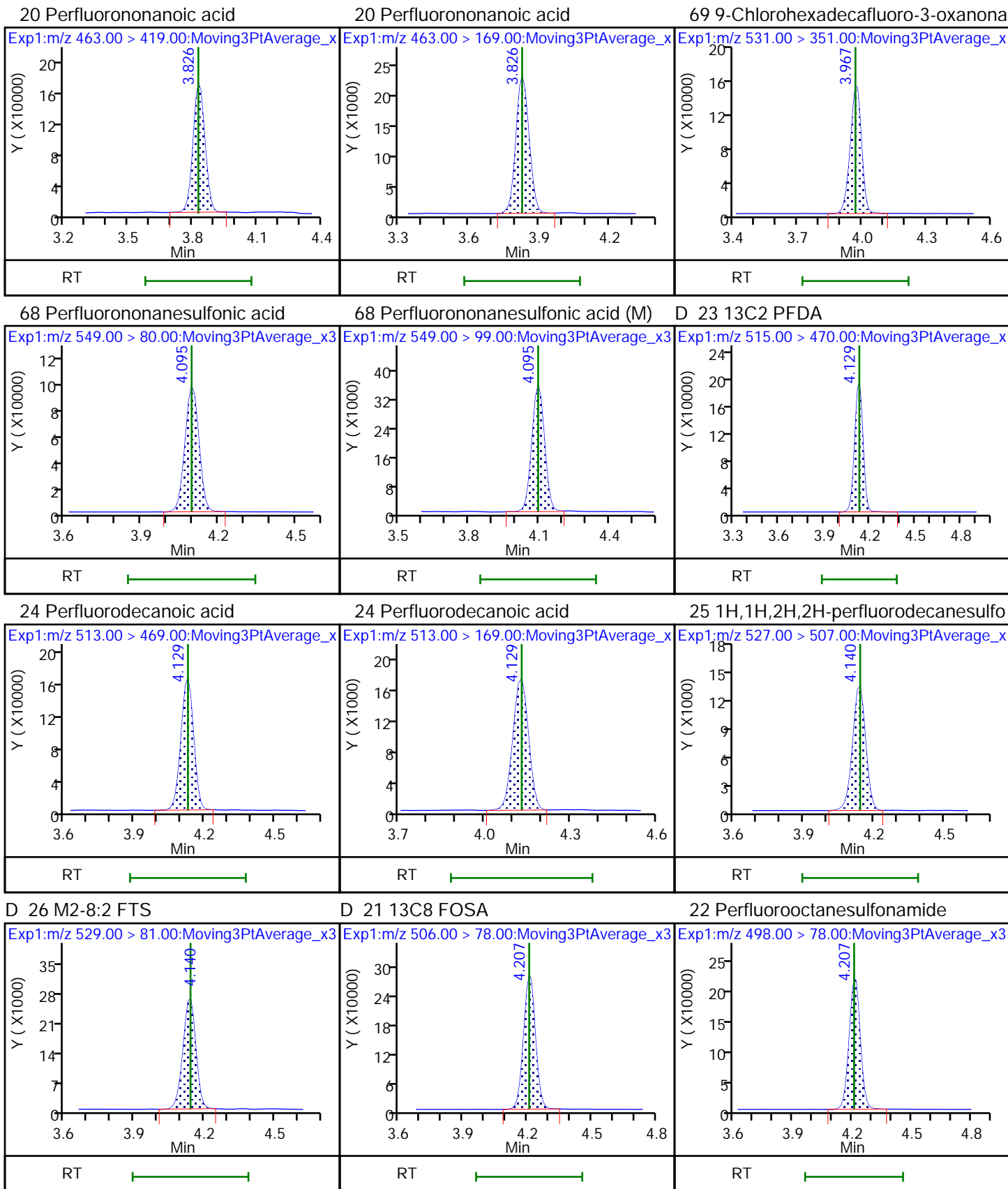
6 Perfluorohexanoic acid





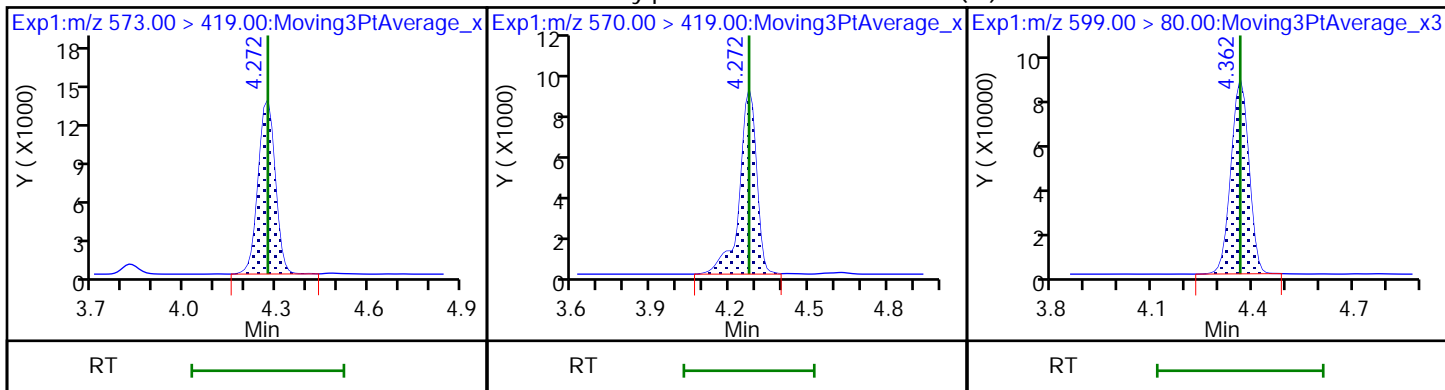






D 27 d3-NMeFOSAA

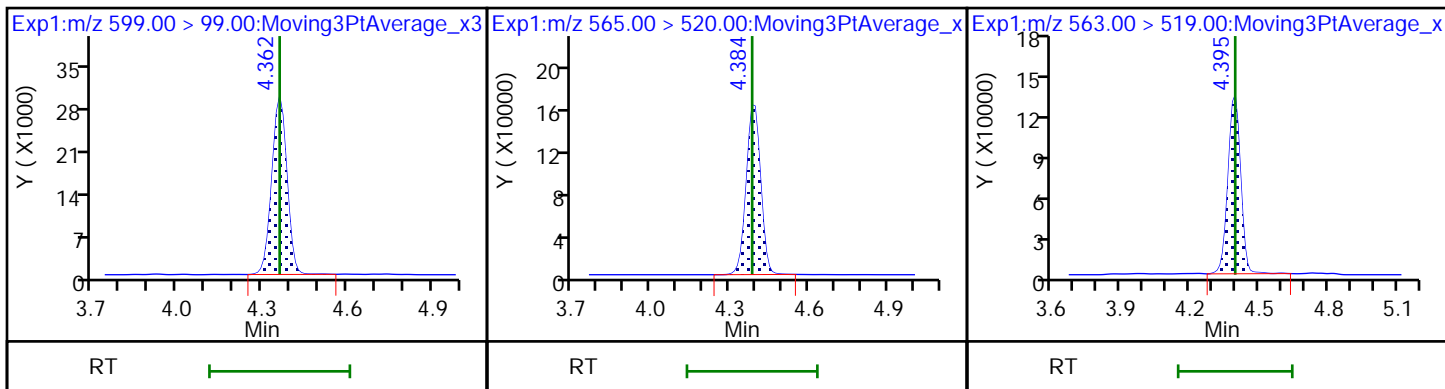
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

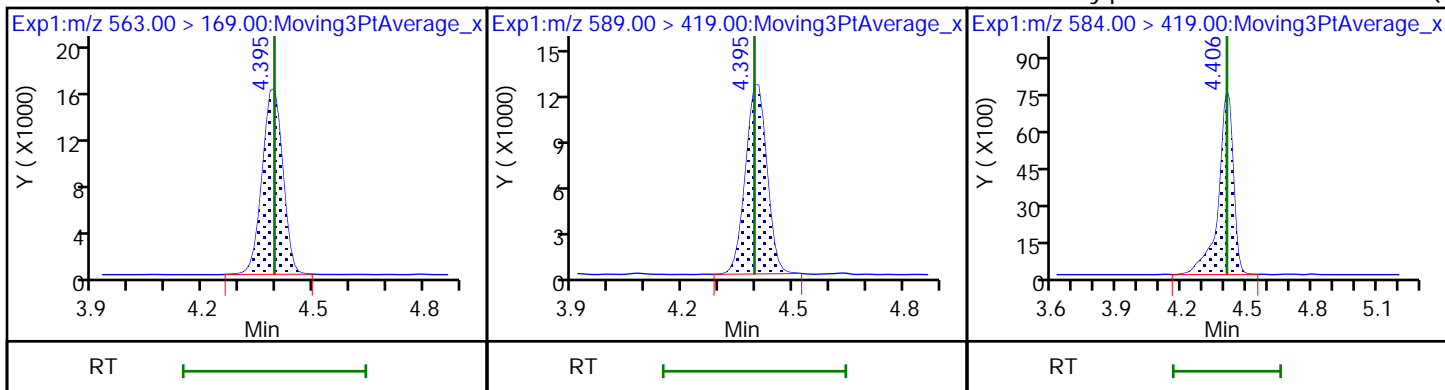
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

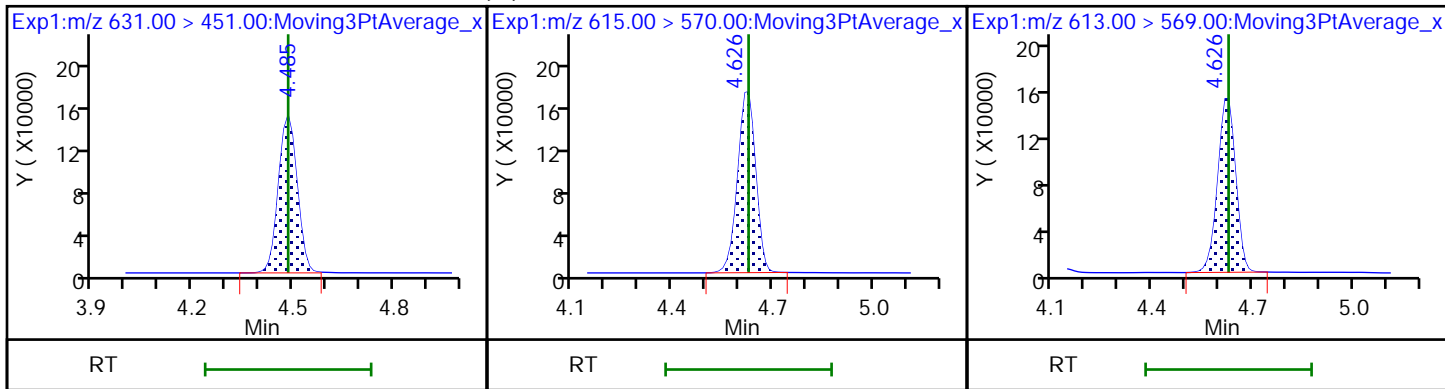
D 32 d5-NEtFOSAA

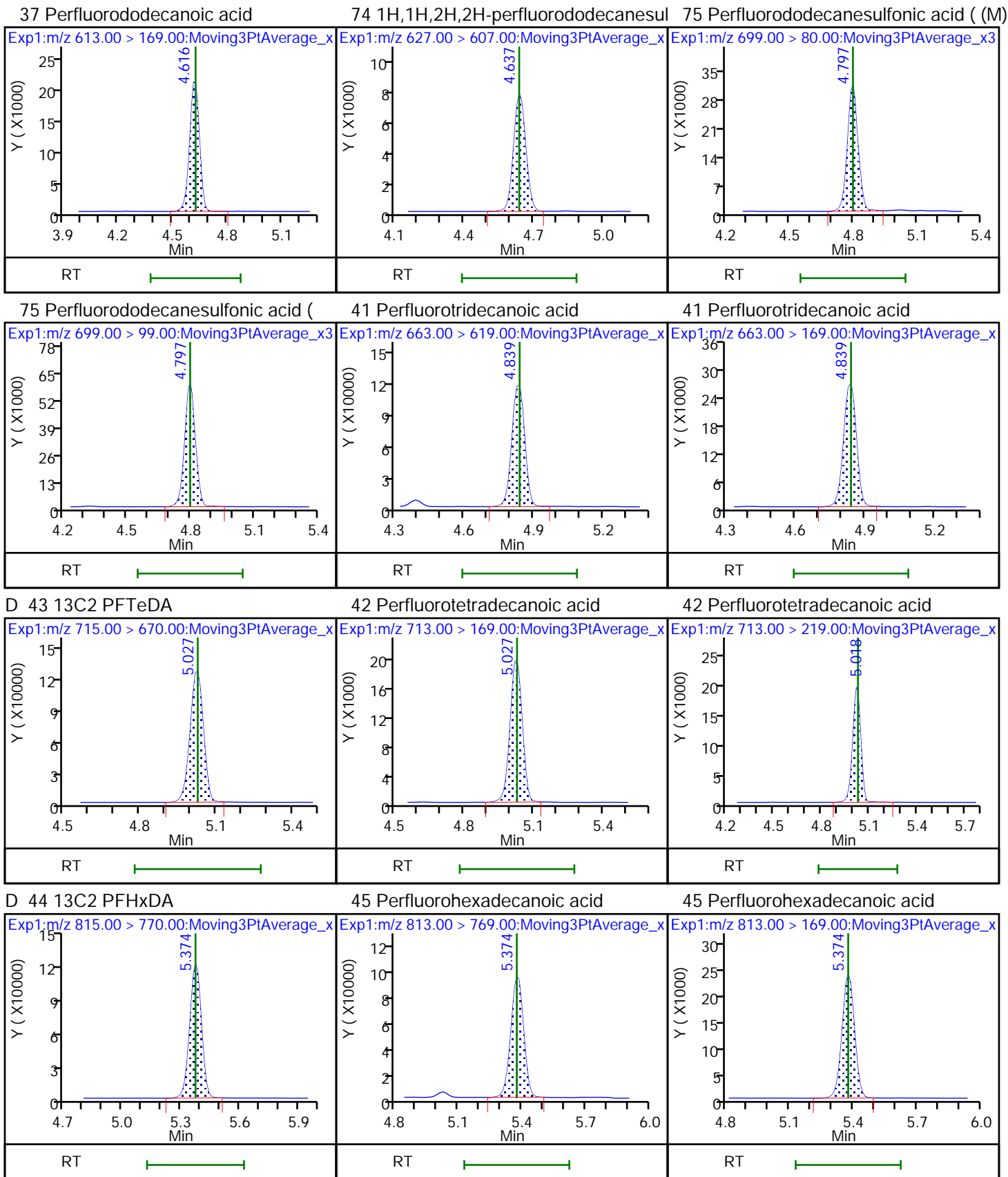
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA

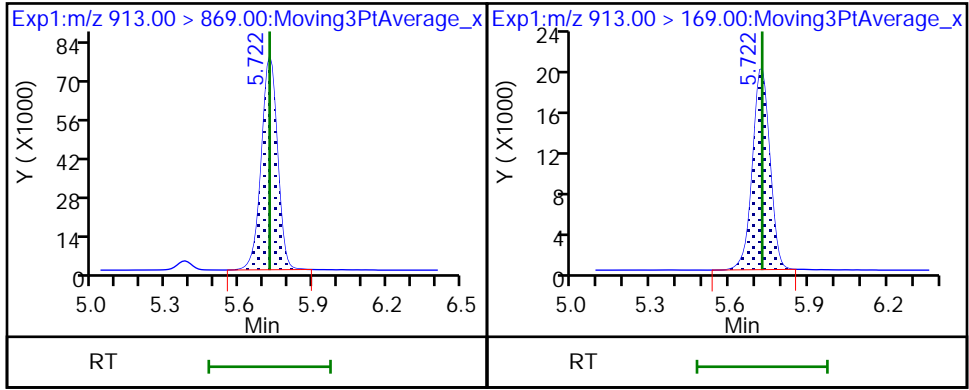
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



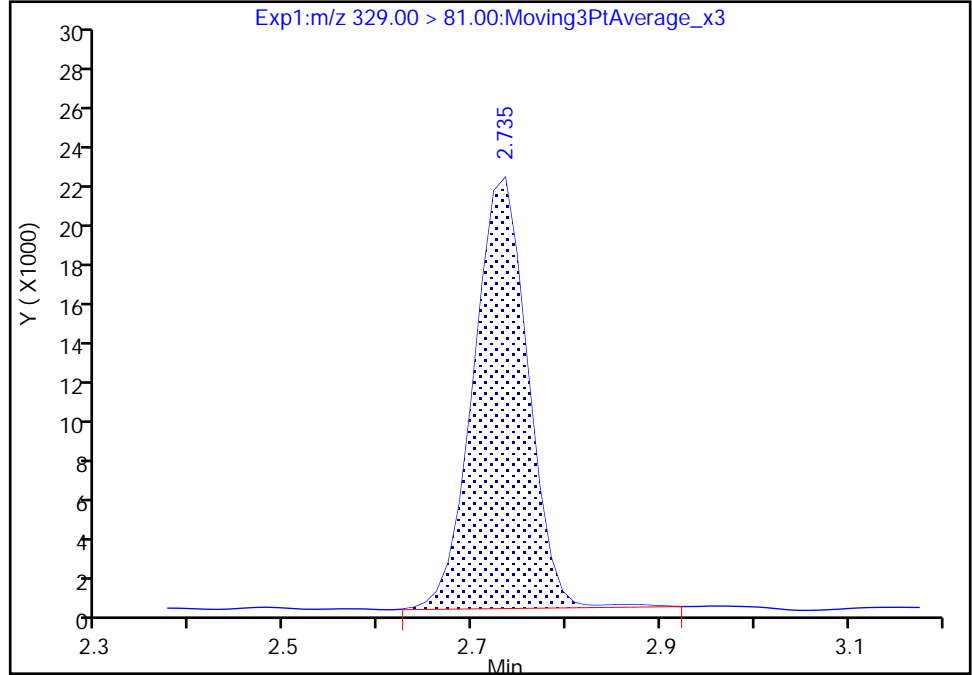
Euofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d  
Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395  
Signal: 1

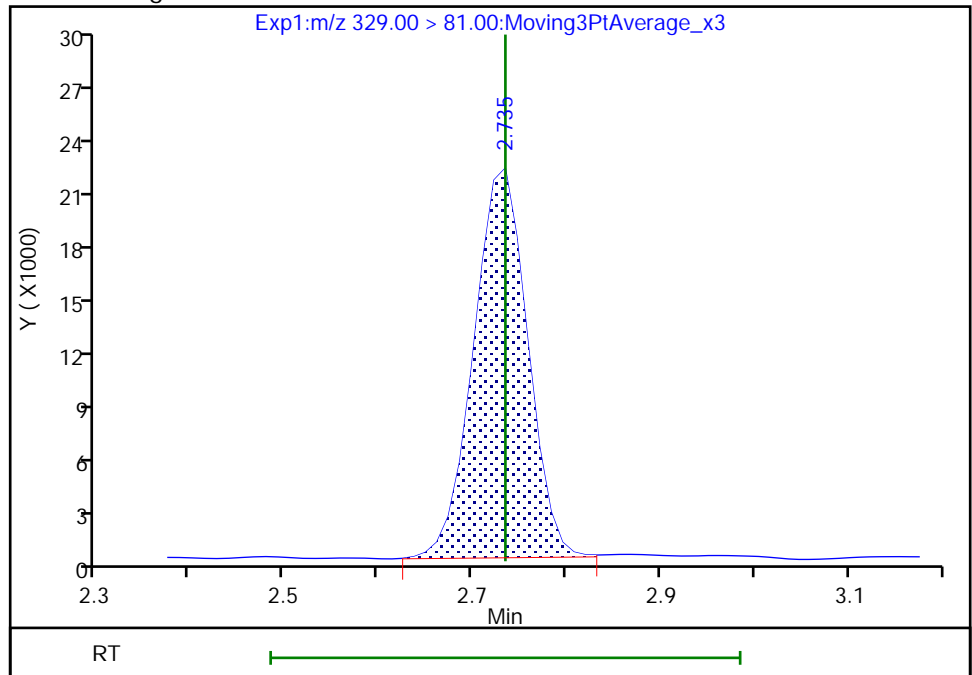
RT: 2.73  
Area: 86795  
Amount: 1.148308  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 86339  
Amount: 1.137929  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:57:19  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

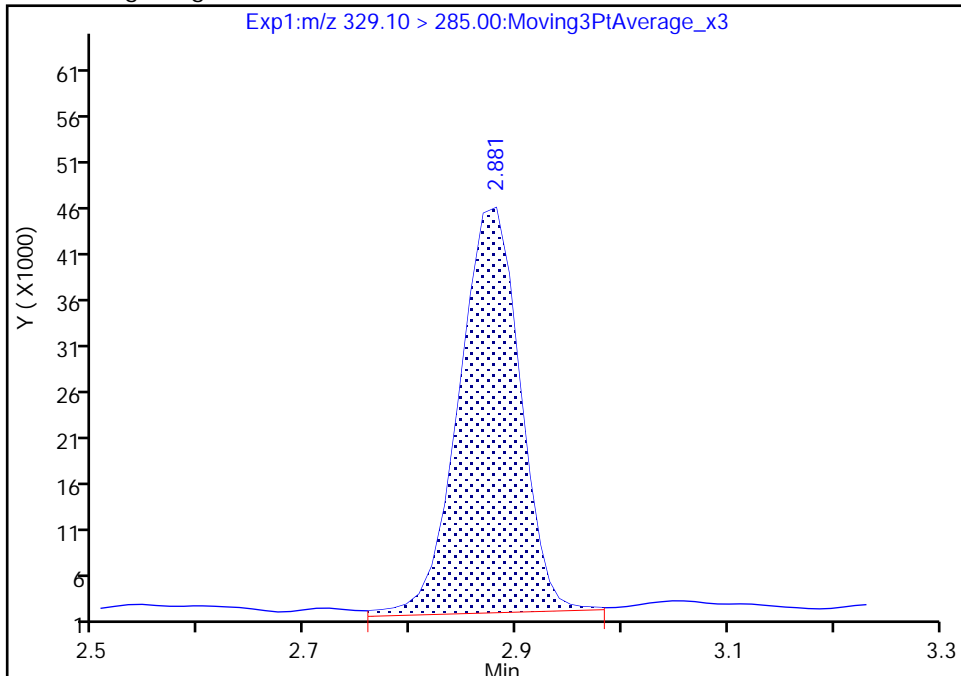
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d  
Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

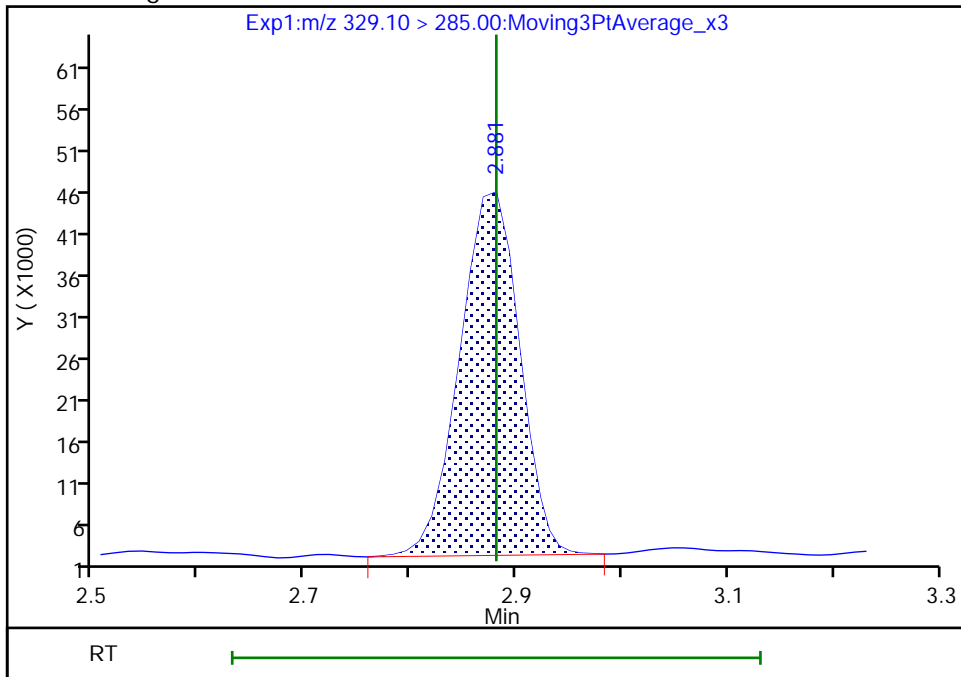
RT: 2.88  
Area: 175050  
Amount: 1.025742  
Amount Units: ng/ml

Processing Integration Results



RT: 2.88  
Area: 169678  
Amount: 0.915115  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:57:08  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

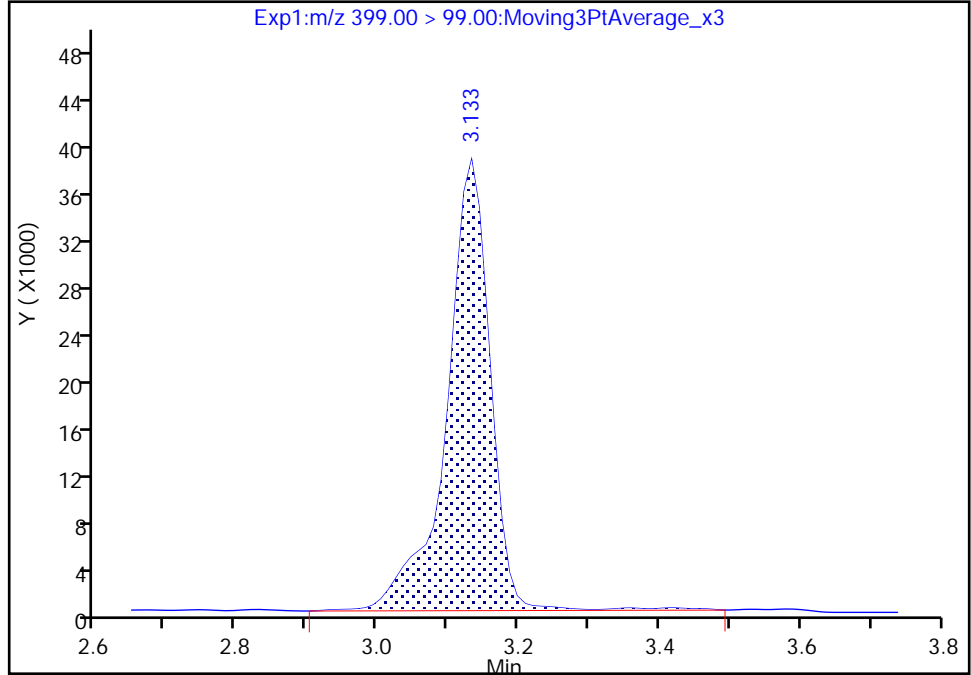
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d  
Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

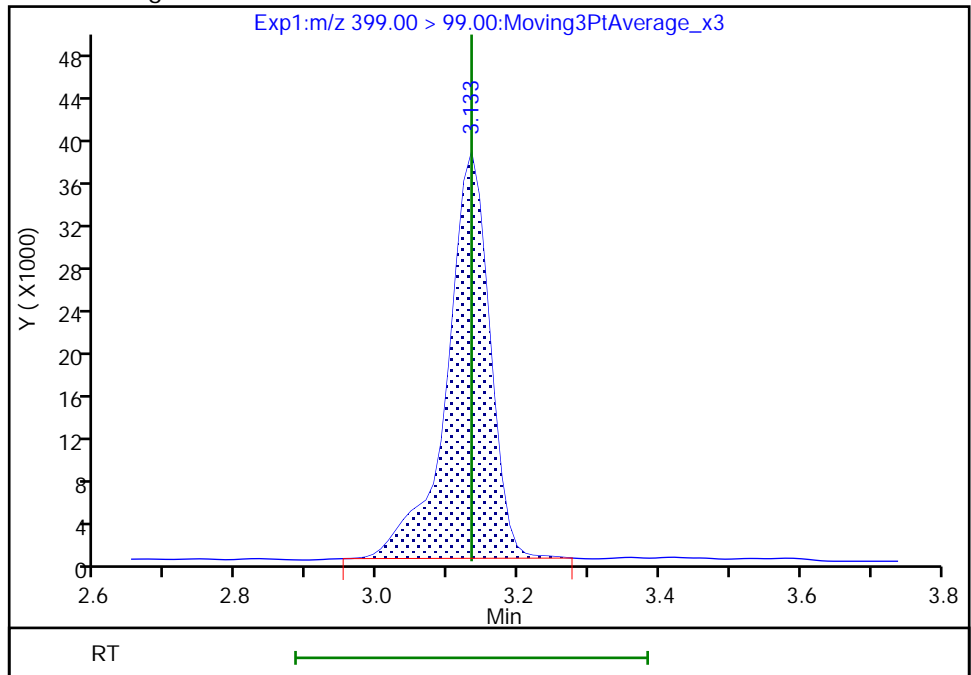
RT: 3.13  
Area: 166074  
Amount: 0.928046  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 161822  
Amount: 0.876218  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:56:59  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

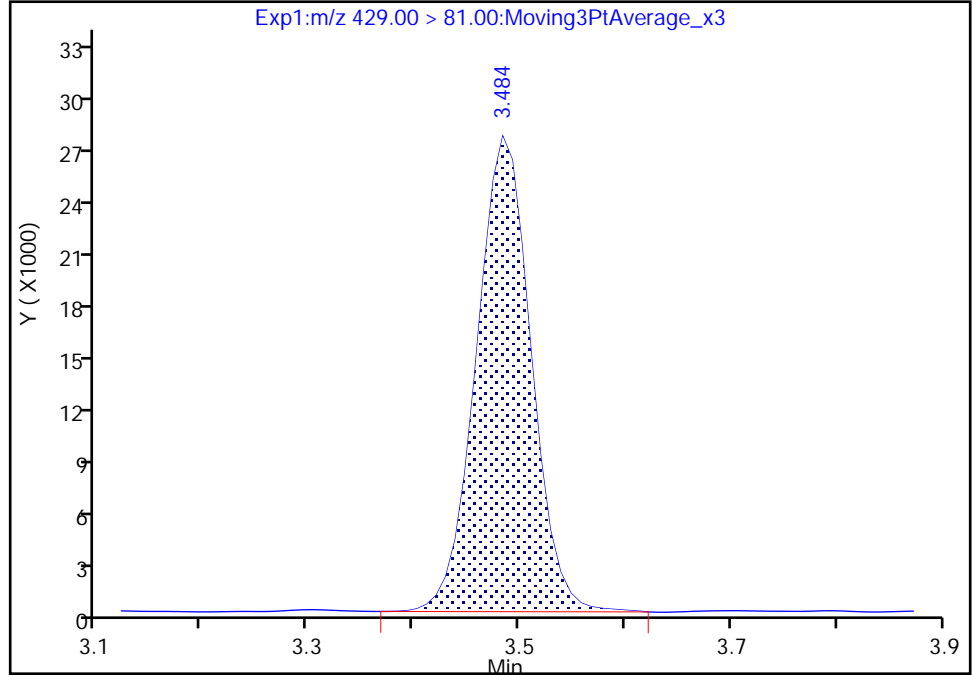
Euofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d  
Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

**D 12 M2-6:2 FTS, CAS: STL02279**  
Signal: 1

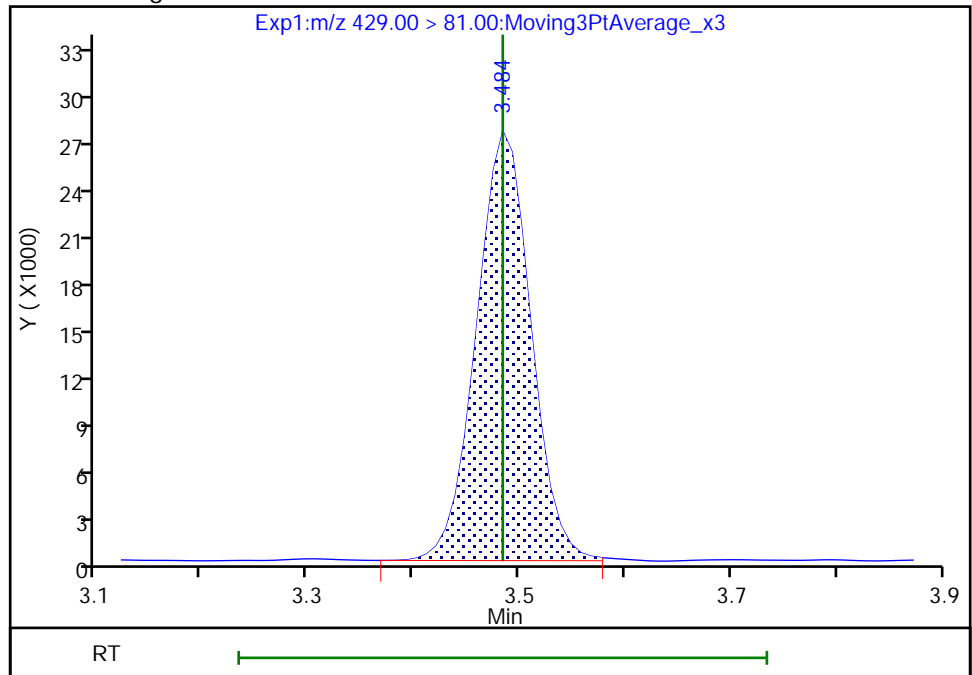
RT: 3.48  
Area: 97196  
Amount: 1.150674  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 96952  
Amount: 1.147595  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:56:46  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

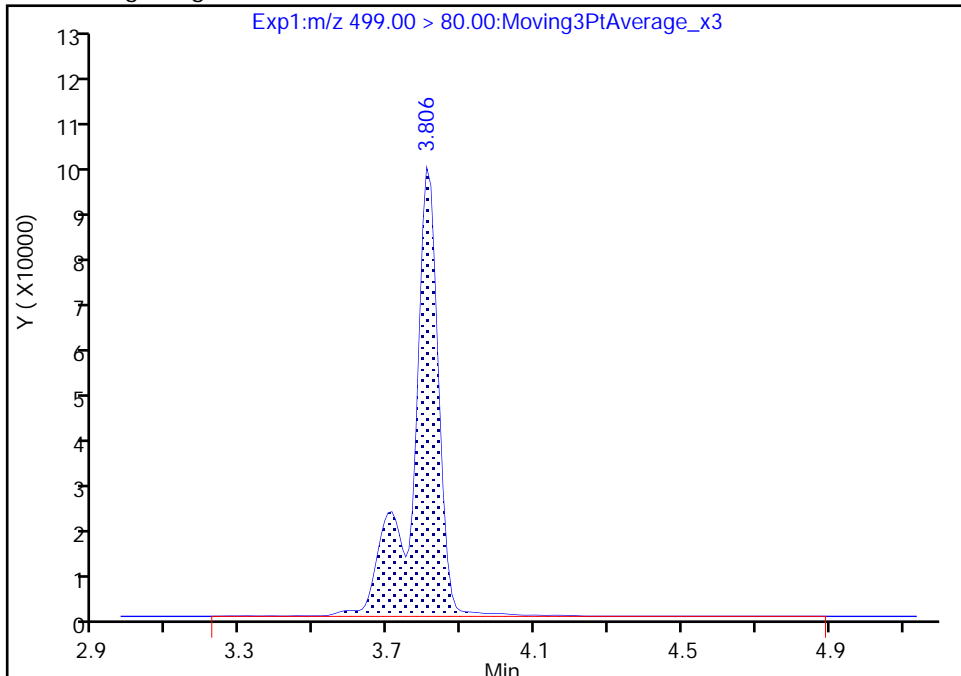
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Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

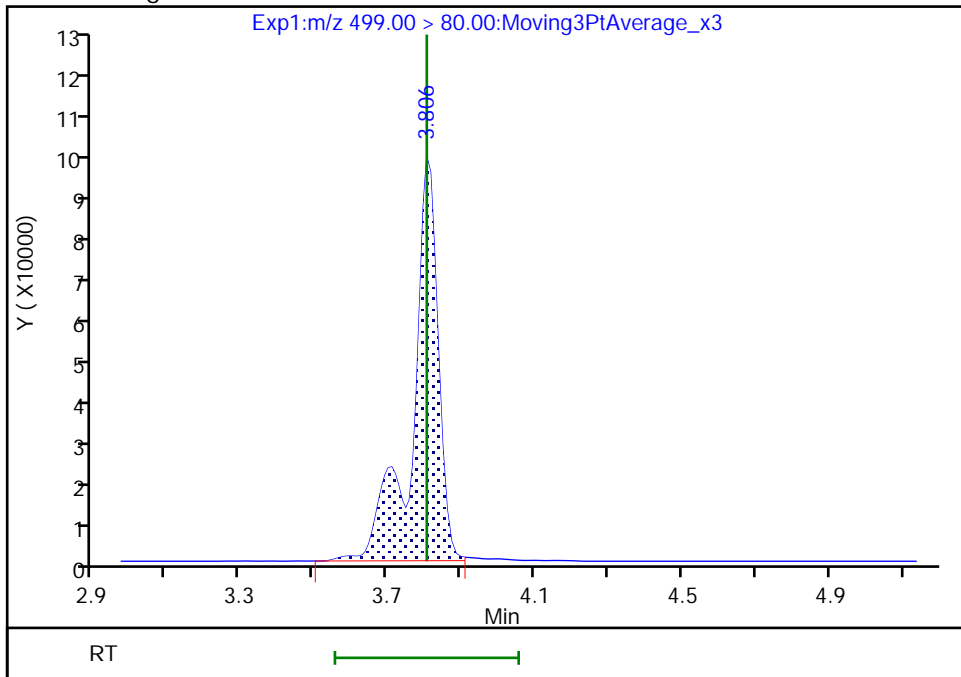
RT: 3.81  
Area: 472976  
Amount: 0.918920  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 463174  
Amount: 0.868208  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:56:27  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

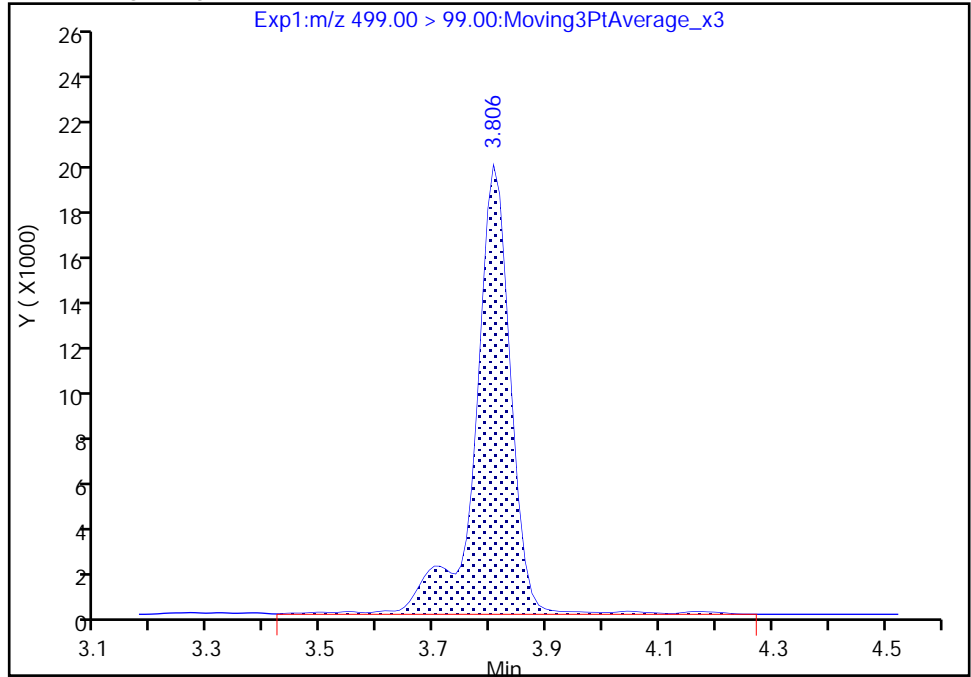
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Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

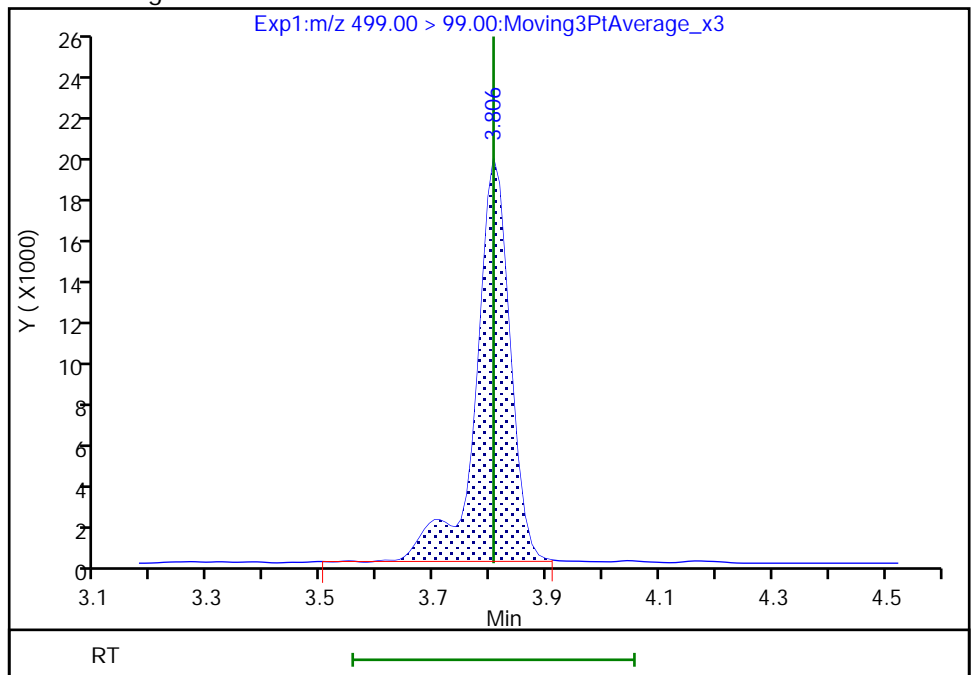
RT: 3.81  
Area: 85844  
Amount: 0.918920  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 82037  
Amount: 0.868208  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:56:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

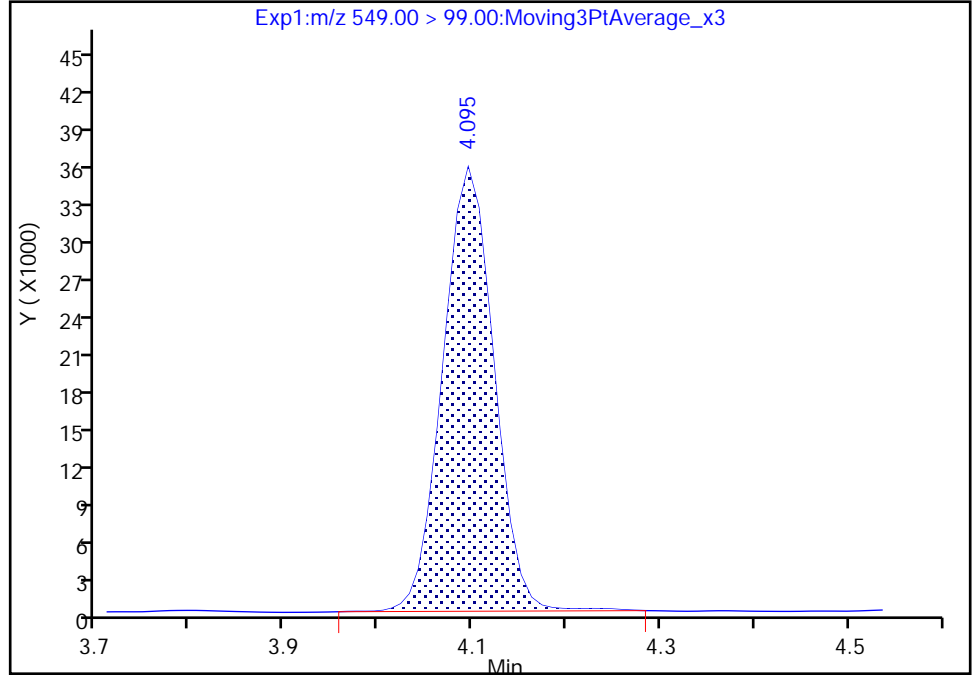
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Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

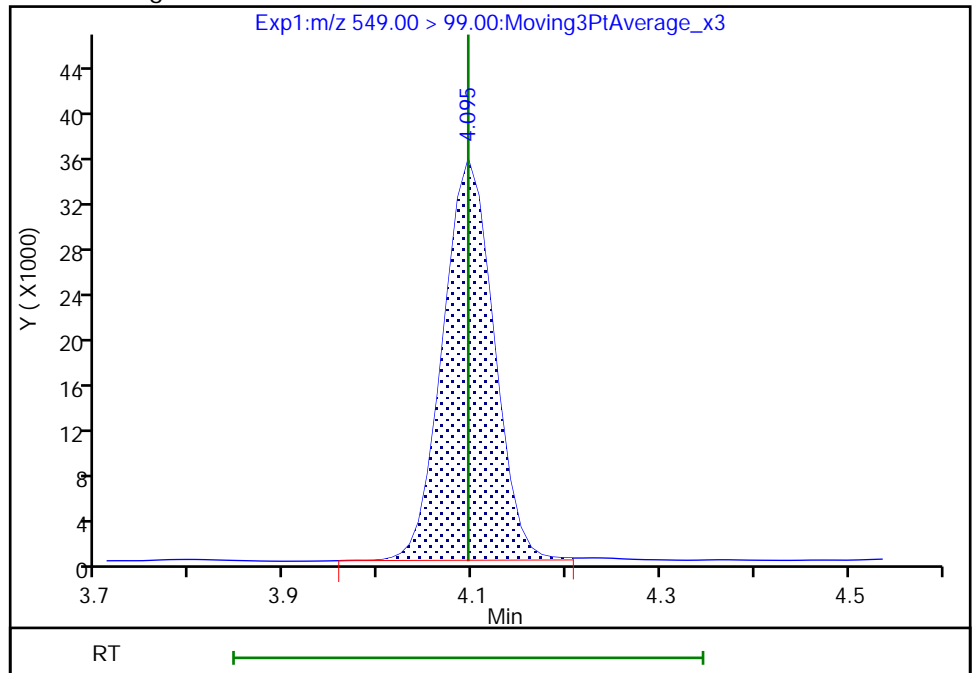
RT: 4.10  
Area: 134901  
Amount: 0.905222  
Amount Units: ng/ml

Processing Integration Results



RT: 4.10  
Area: 134385  
Amount: 0.857723  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:56:07  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

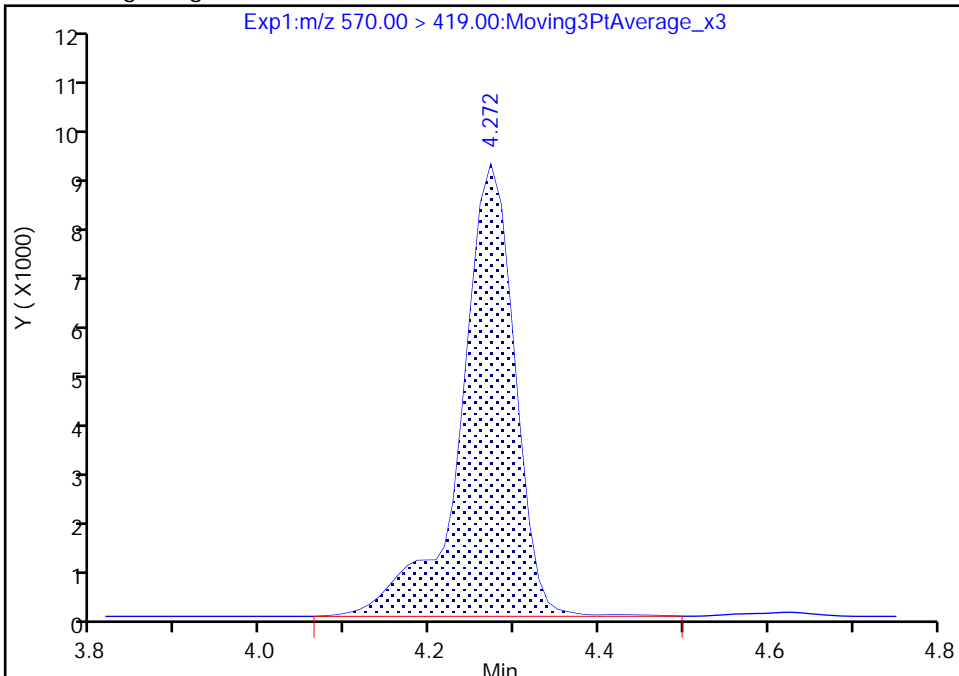
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Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

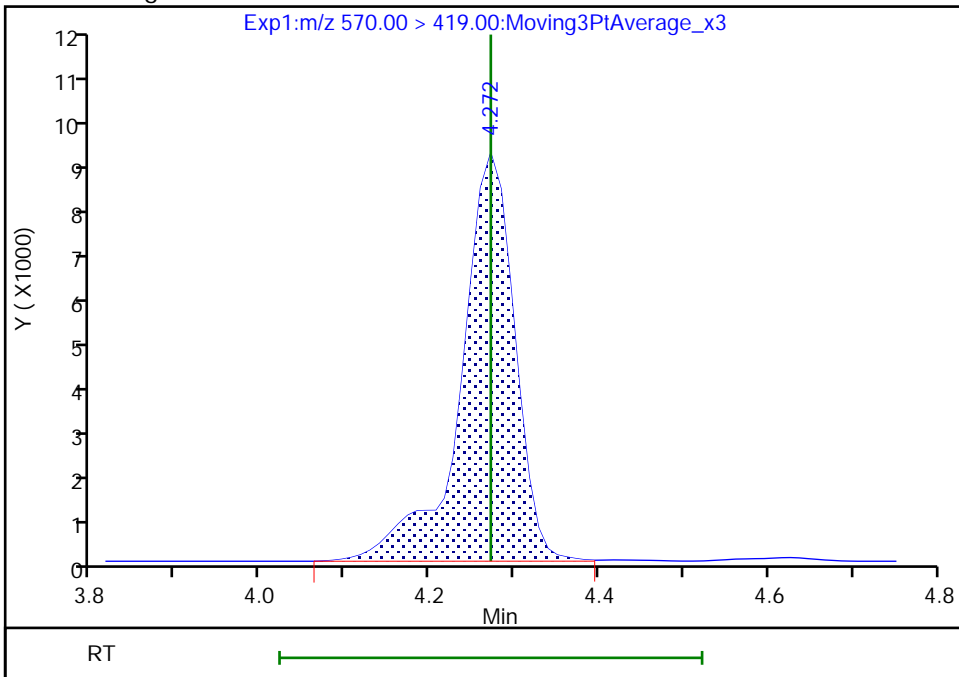
RT: 4.27  
Area: 38154  
Amount: 1.017971  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 38043  
Amount: 1.016468  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:55:55  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

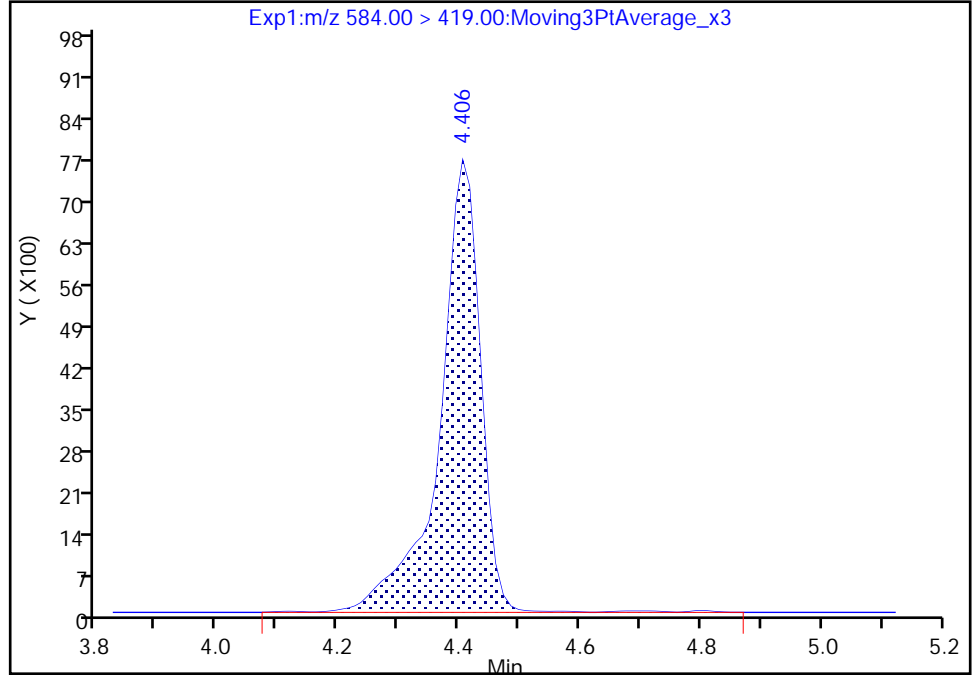
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Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

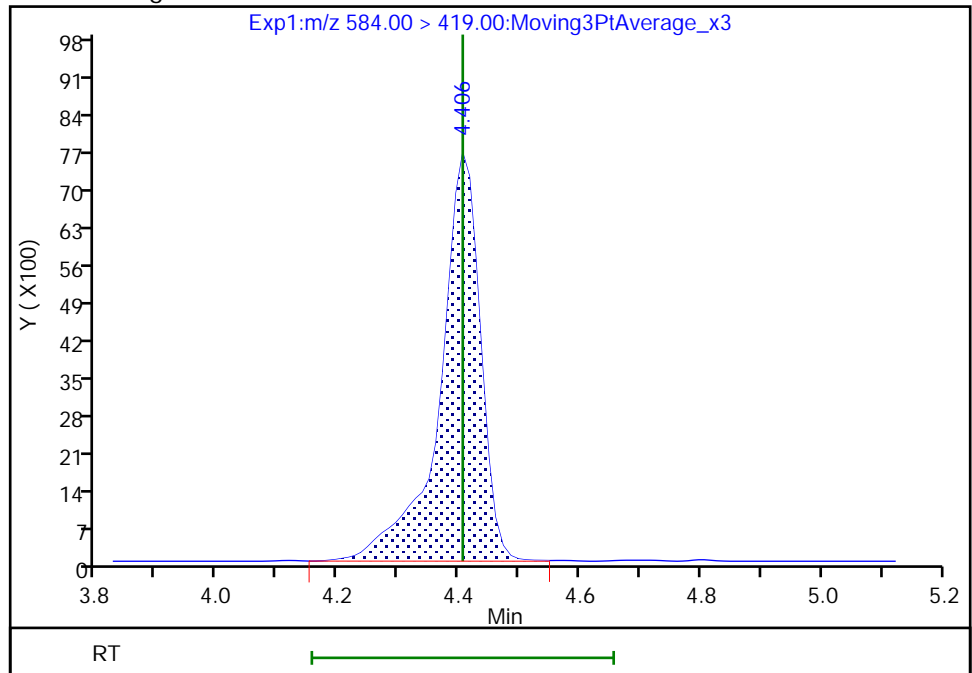
RT: 4.41  
Area: 36100  
Amount: 0.951686  
Amount Units: ng/ml

Processing Integration Results



RT: 4.41  
Area: 35802  
Amount: 0.957678  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:55:27  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

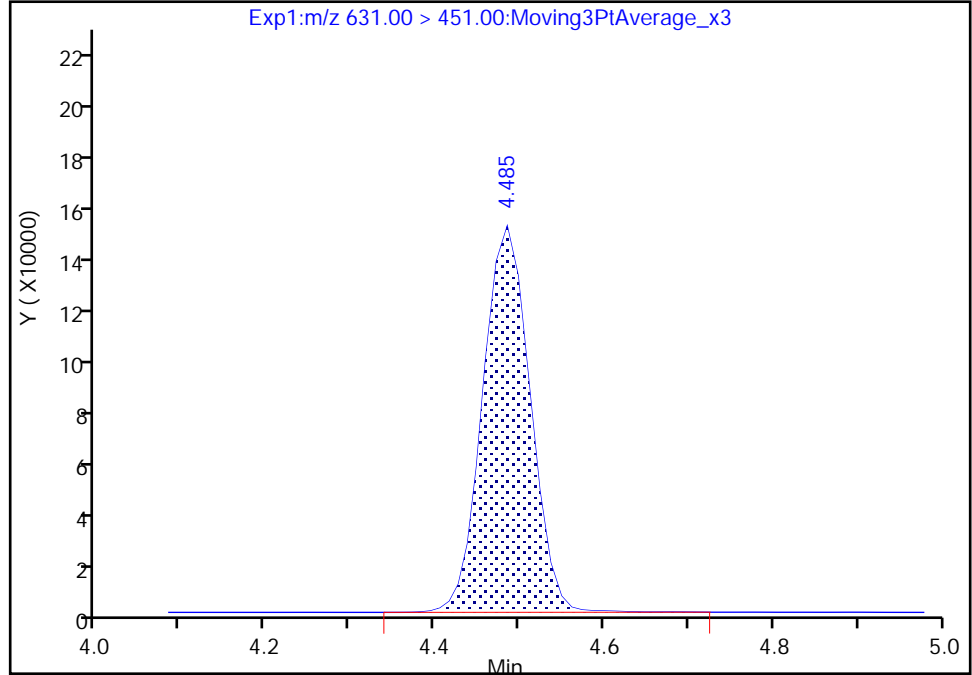
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Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

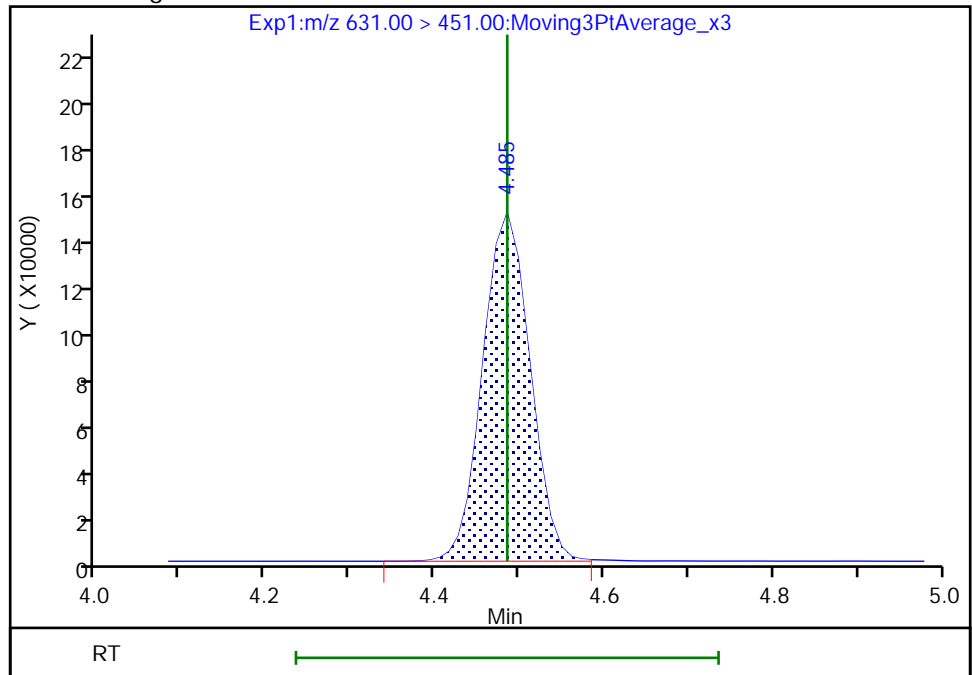
RT: 4.49  
Area: 585554  
Amount: 0.956453  
Amount Units: ng/ml

Processing Integration Results



RT: 4.49  
Area: 584047  
Amount: 0.945661  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 13:55:10  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Euofins TestAmerica, Burlington

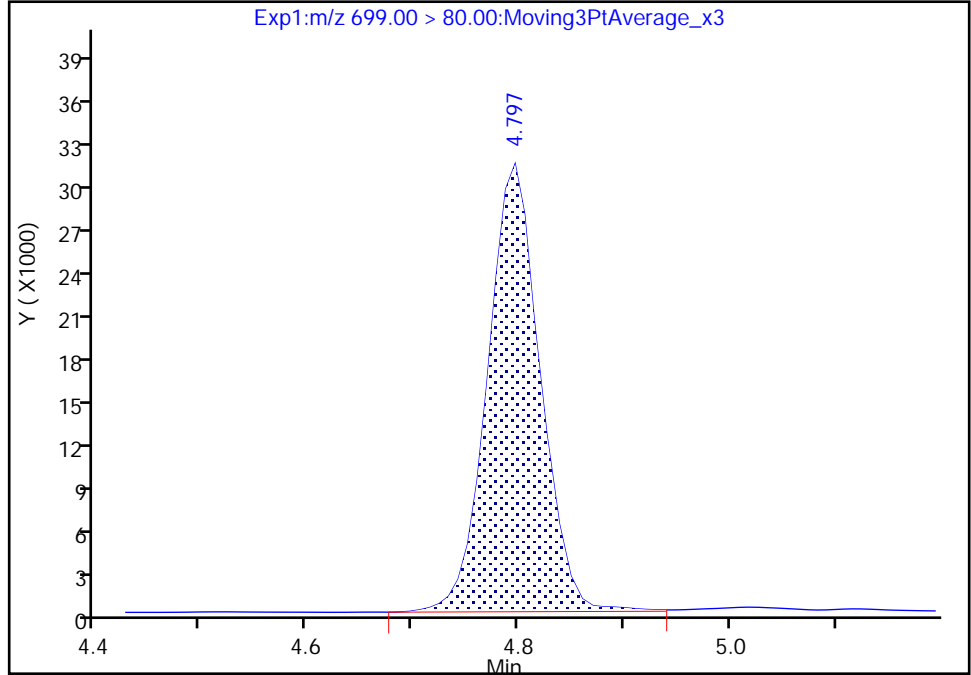
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d  
Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812  
Lims ID: ICIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

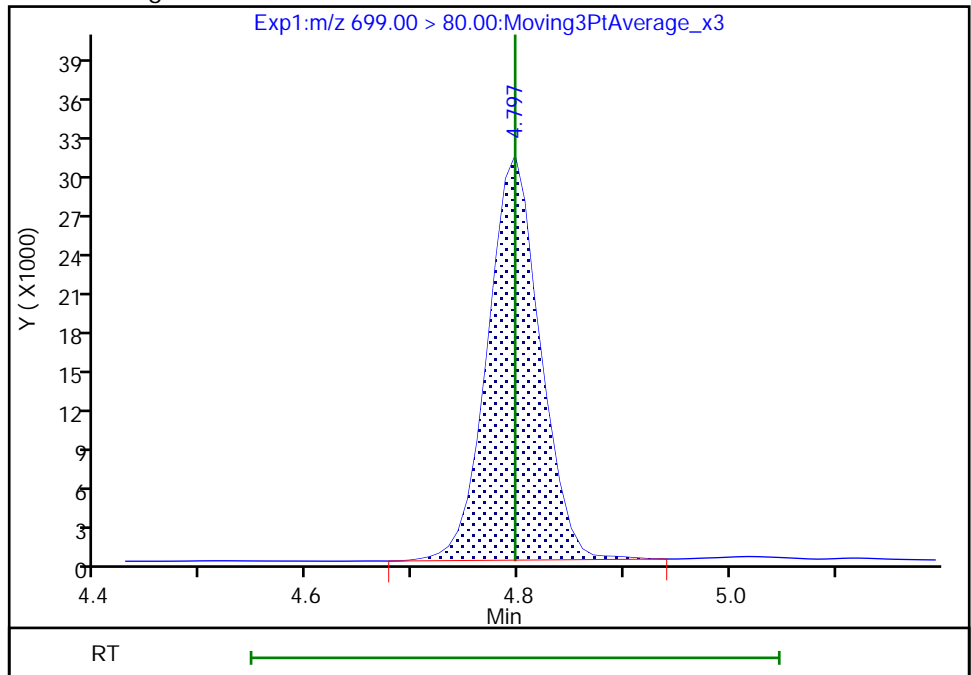
RT: 4.80  
Area: 107220  
Amount: 0.917436  
Amount Units: ng/ml

Processing Integration Results



RT: 4.80  
Area: 106502  
Amount: 0.912257  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:29:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
 Lims ID: IC  
 Client ID:  
 Sample Type: IC Calib Level: 5  
 Inject. Date: 22-Dec-2020 13:21:21 ALS Bottle#: 6 Worklist Smp#: 12  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: IC  
 Misc. Info.: 200-0044184-012 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 14:39:34 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 14:07:02

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.089	2.091	-0.002	0.598	1183081	1.23	98.7	9506	
2 Perfluorobutanoic acid	212.90 > 169.00	2.089	2.091	-0.002	1.000	2187518	2.31	92.3	295	
D 3 13C5 PFPeA	267.90 > 223.00	2.411	2.414	-0.003	0.690	850273	1.23	98.1	2895	
4 Perfluoropentanoic acid	262.90 > 219.00	2.411	2.414	-0.003	1.000	1757757	2.33	93.3	67.8	M
D 47 13C3 PFBS	301.90 > 80.00	2.424	2.427	-0.003	0.694	1027240	1.13	96.9	180081	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.437	2.427	0.010	1.005	2100213	2.10	Target=2.21	95.1	2803
	298.90 > 99.00	2.424	2.427	-0.003	1.000	961927		2.18(1.10-3.31)	95.1	818
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.732	2.735	-0.003	1.000	303490	2.27	97.4	4444	
D 60 M2-4:2 FTS	329.00 > 81.00	2.732	2.735	-0.003	0.782	85003	1.12	95.7	91.0	M
D 7 13C2 PFHxA	315.00 > 270.00	2.768	2.771	-0.003	0.793	894513	1.23	98.5	3312	
6 Perfluorohexanoic acid	313.00 > 269.00	2.768	2.771	-0.003	1.000	1839714	2.35	Target=12.17	94.1	423
	313.00 > 119.00	2.768	2.771	-0.003	1.000	154104		11.94(6.09-18.26)	94.1	252
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.768	2.771	-0.003	0.884	1955608	2.22	Target=3.32	94.5	2881
	349.00 > 99.00	2.768	2.771	-0.003	0.884	582906		3.35(1.66-4.98)	94.5	848
67 Perfluoro(2-propoxypropanoic) ac	329.10 > 285.00	2.878	2.881	-0.003	1.000	401085	2.28		91.3	46.2

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.881	-0.003	0.824	158496	1.24		99.1	927	
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.133	0.0	0.897	794776	1.17		99.0	2186	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.133	3.133	0.0	1.000	1650425	2.08	Target=4.08	91.6	1134	M
399.00 > 99.00	3.133	3.133	0.0	1.000	403565		4.09(2.04-6.11)	91.6	384	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	838035	1.20		96.4	2374	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.143	3.133	0.010	1.003	1824848	2.49	Target=3.70	99.7	409	
363.00 > 169.00	3.143	3.133	0.010	1.003	477628		3.82(1.85-5.56)	99.7	918	
77 DONA										
377.00 > 251.00	3.175	3.176	-0.001	0.835	3554808	2.40	Target=2.47	102	2378	
377.00 > 85.00	3.175	3.176	-0.001	0.835	1382083		2.57(1.23-3.70)	102	1182	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.483	3.484	-0.001	0.916	1352437	2.26	Target=5.85	95.0	5671	
449.00 > 99.00	3.483	3.484	-0.001	0.916	226210		5.98(2.93-8.78)	95.0	974	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	97655	1.15		97.0	471	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	214702	2.35		99.0	1811	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	862938	1.22		97.7	2325	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		892433	1.25			2279	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.492	3.493	-0.001	1.000	1777820	2.38	Target=2.58	95.0	367	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	690547		2.57(1.29-3.87)	95.0	1154	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	529467	1.14		95.1	1322	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.804	3.806	-0.002	1.000	1114751	2.19	Target=5.56	94.3	1348	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	198425		5.62(2.78-8.34)	94.3	627	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	756323	1.21		97.1	3684	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	1571226	2.35	Target=6.87	93.8	259	
463.00 > 169.00	3.825	3.826	-0.001	1.000	229840		6.84(3.43-10.30)	93.8	1752	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.974	3.967	0.007	1.045	1341633	2.36		101	3383	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	862047	2.27	Target=2.78	94.5	2392	
549.00 > 99.00	4.093	4.095	-0.002	1.076	311060		2.77(1.39-4.17)	94.5	1009	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	760056	1.28		102	3401	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	1443205	2.30	Target=9.03	92.1	841	
513.00 > 169.00	4.126	4.129	-0.003	1.000	169912		8.49(4.51-13.54)	92.1	930	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.137	4.140	-0.003	1.000	138394	2.40		100	1447	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.140	-0.003	1.185	101608	1.16		97.0	466	
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.207	0.008	1.207	1040920	1.19		95.1	3186	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.207	0.008	1.000	2150057	2.58		103	4654	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.272	-0.004	1.222	52266	1.21		96.7	51.5	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	94320	2.54		102	737	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	730691	2.41	Target=2.76	100	2833	
599.00 > 99.00	4.358	4.362	-0.004	1.146	275358		2.65(1.38-4.14)	100	1107	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	601281	1.23		98.3	3472	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	1201956	2.45	Target=8.02	98.0	427	
563.00 > 169.00	4.391	4.395	-0.004	1.000	148688		8.08(4.01-12.03)	98.0	1524	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	49976	1.20		95.7	418	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.402	4.406	-0.004	1.000	96074	2.60		104	738	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	1357763	2.30		97.7	2955	
D 36 13C2 PFDaA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	623891	1.21		96.6	2594	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	1310849	2.39	Target=6.85	95.5	318	
613.00 > 169.00	4.622	4.626	-0.004	1.000	198640		6.60(3.42-10.27)	95.5	2140	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.642	4.637	0.005	1.122	72297	2.43		101	1626	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.792	4.797	-0.005	1.260	244860	2.20	Target=0.53	90.7	659	M
699.00 > 99.00	4.792	4.797	-0.005	1.260	492584		0.50(0.26-0.79)	90.7	1772	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	1098559	2.47	Target=4.48	98.6	391	
663.00 > 169.00	4.834	4.839	-0.005	1.046	251357		4.37(2.24-6.72)	98.6	2262	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	469963	1.23		98.4	3452	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.000	167971	2.41	Target=0.99	96.4	1947	
713.00 > 219.00	5.024	5.027	-0.003	1.000	158772		1.06(0.50-1.49)	96.4	2056	

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 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	505699	1.24		99.1	1951	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.372	5.374	-0.002	1.000	948058	2.50	Target=4.02	100	251	
813.00 > 169.00	5.372	5.374	-0.002	1.000	224400		4.22(2.01-6.02)	100	2163	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.720	5.722	-0.002	1.065	885277	2.43	Target=3.88	97.3	484	
913.00 > 169.00	5.720	5.722	-0.002	1.065	226882		3.90(1.94-5.82)	97.3	1101	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC5\_00013

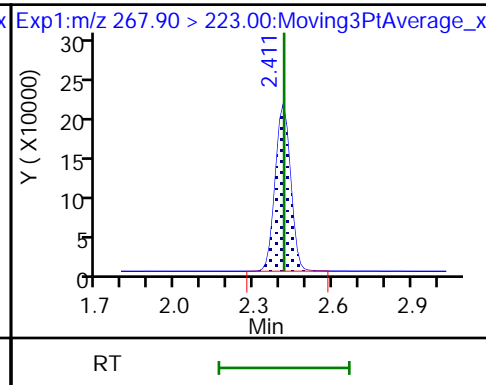
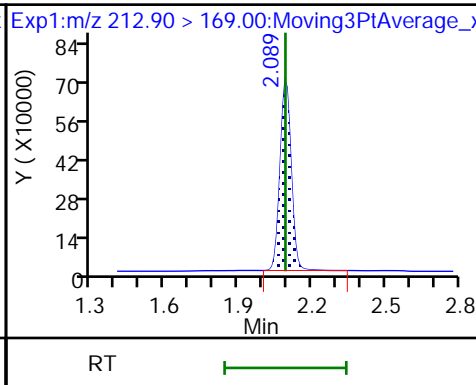
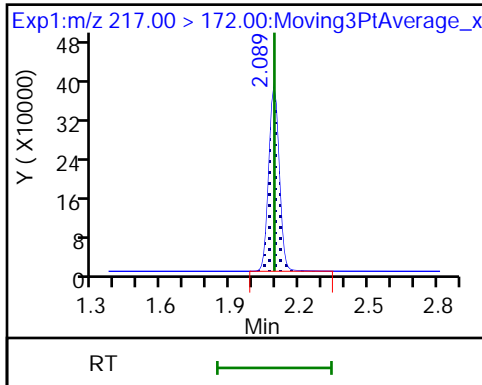
Amount Added: 100.00

Units: uL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

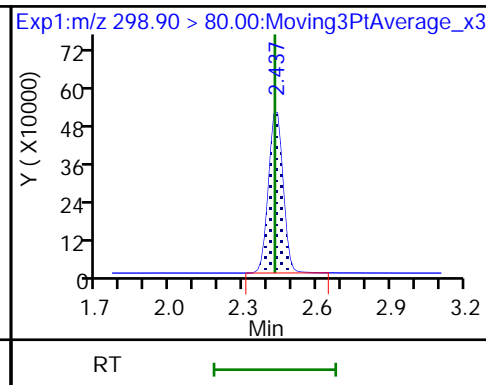
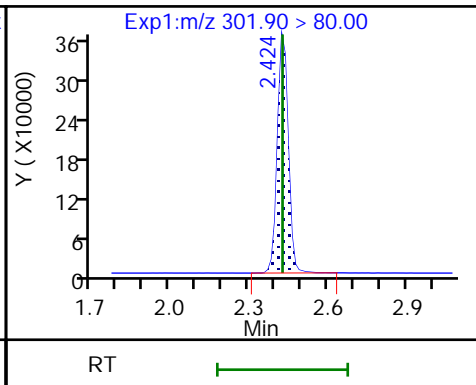
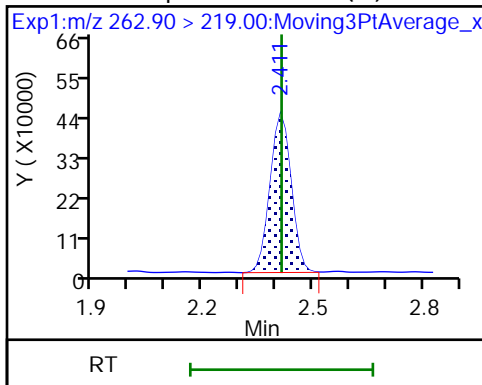
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

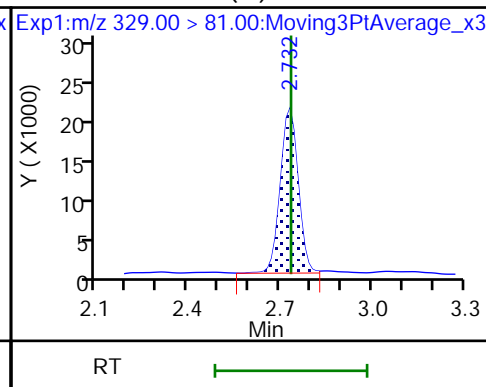
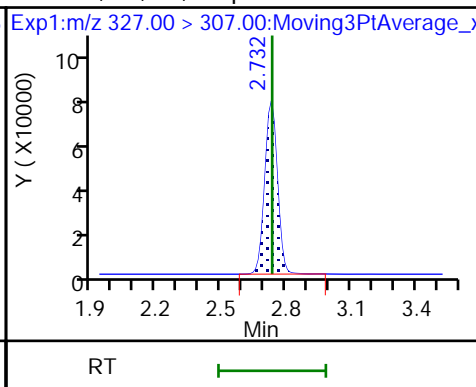
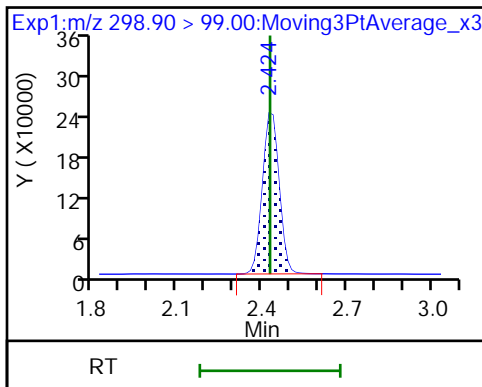
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

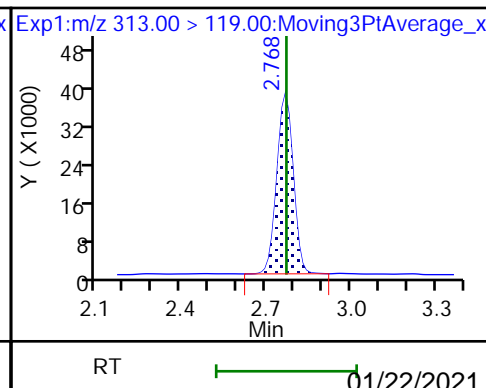
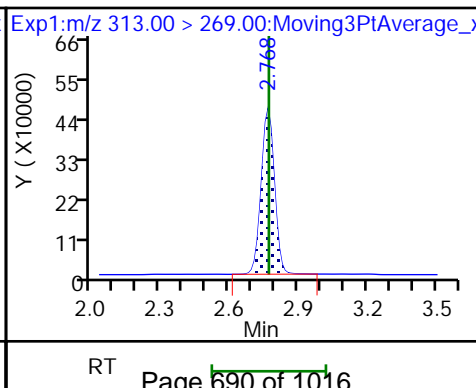
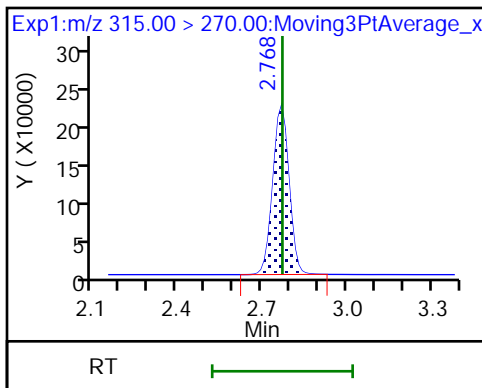
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

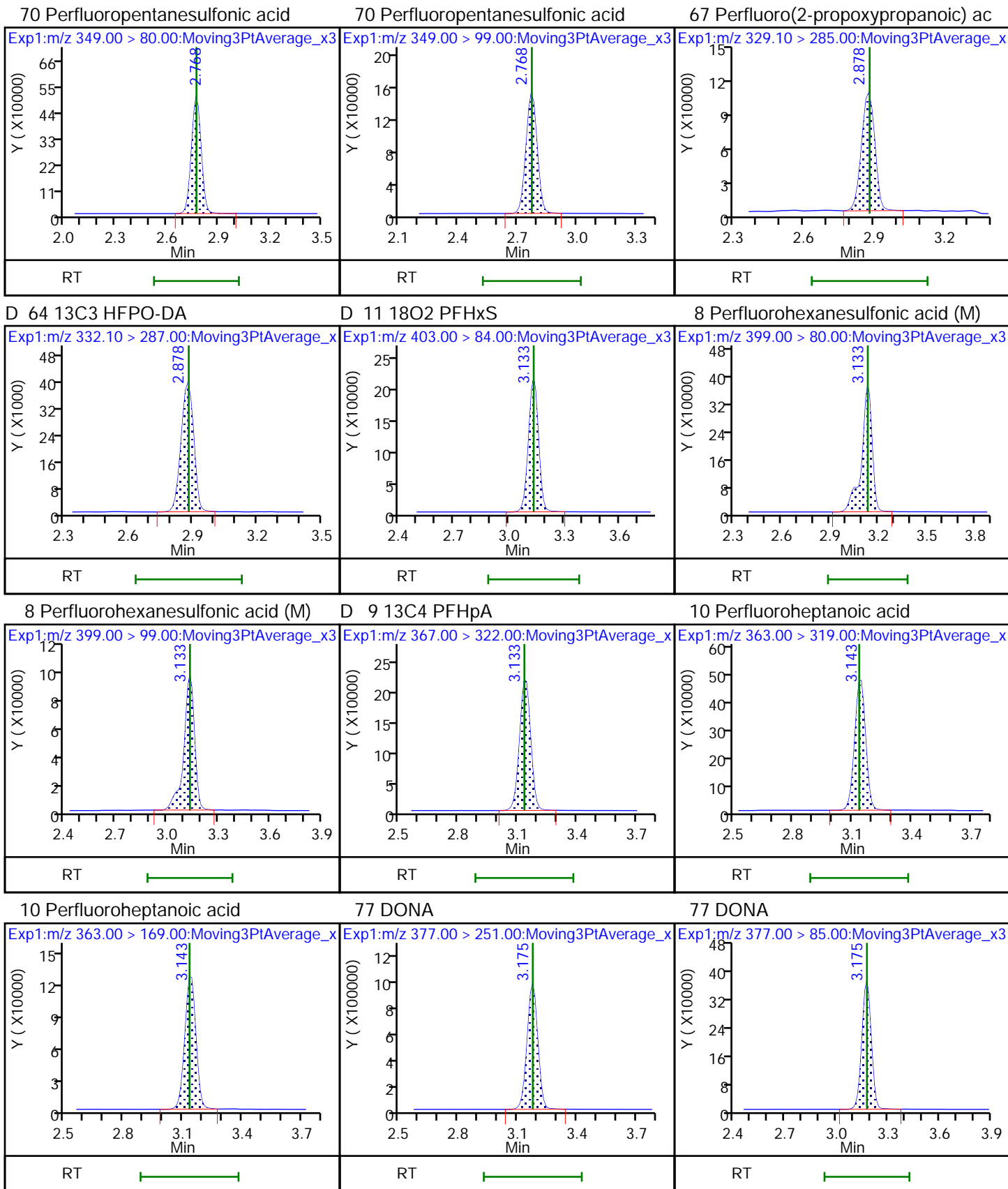


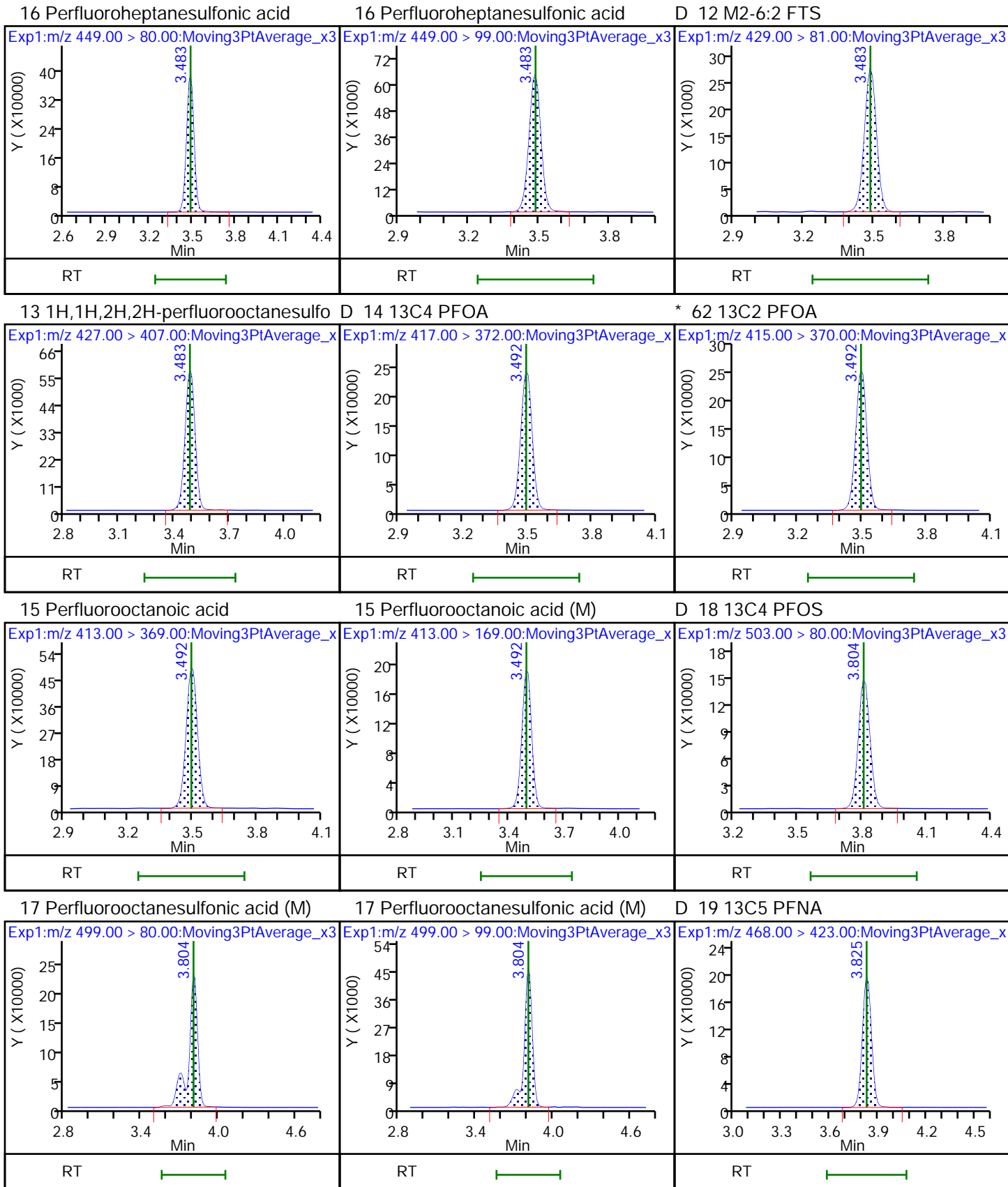
D 7 13C2 PFHxA

6 Perfluorohexanoic acid

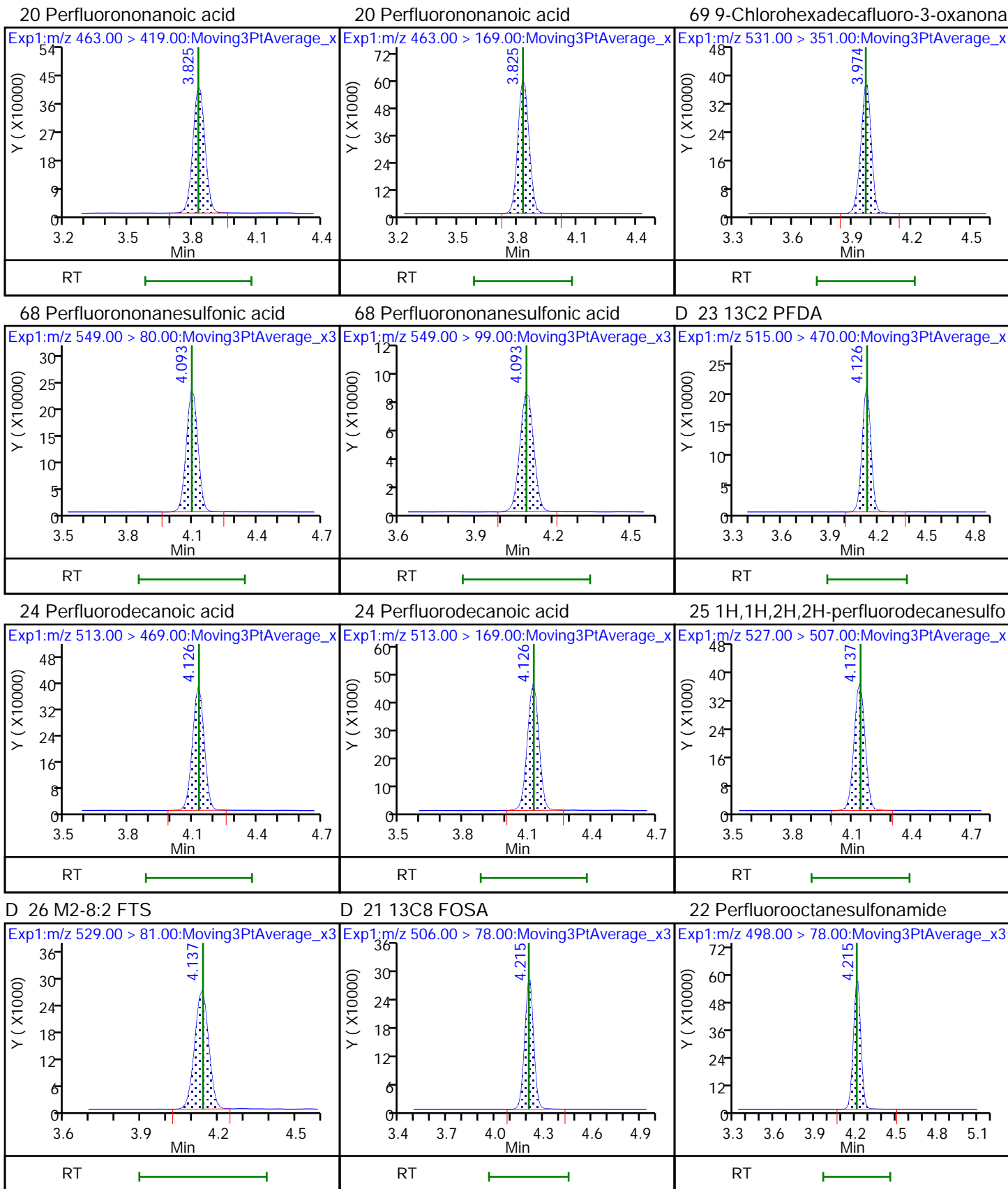
6 Perfluorohexanoic acid







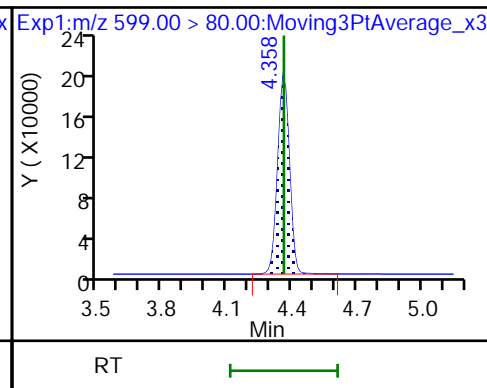
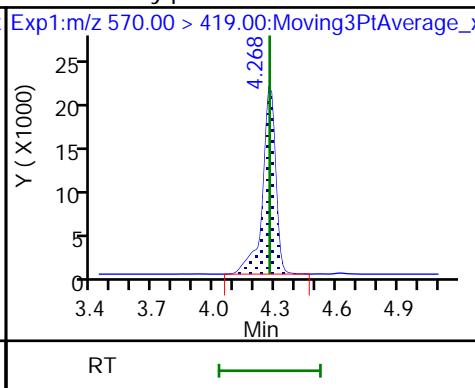
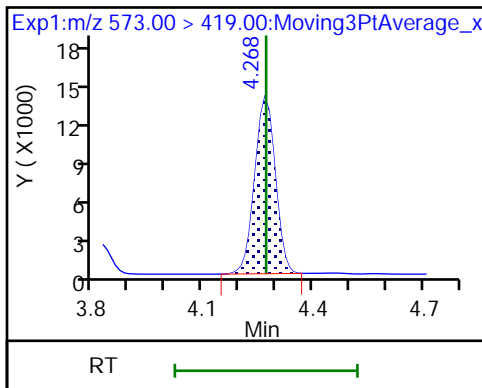




D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami

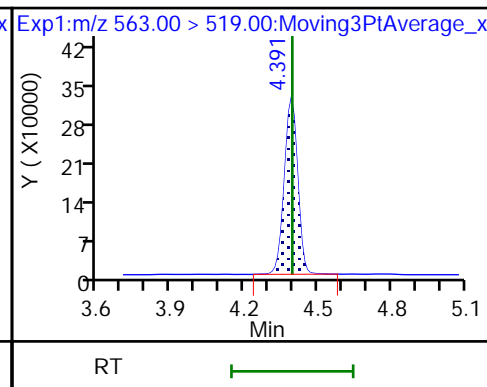
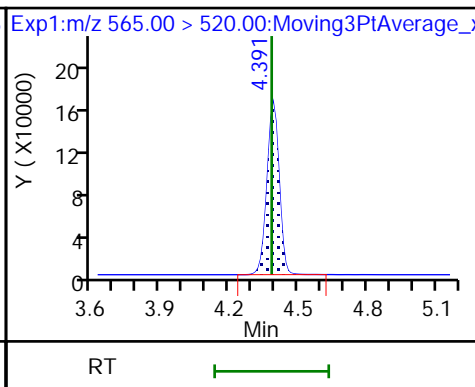
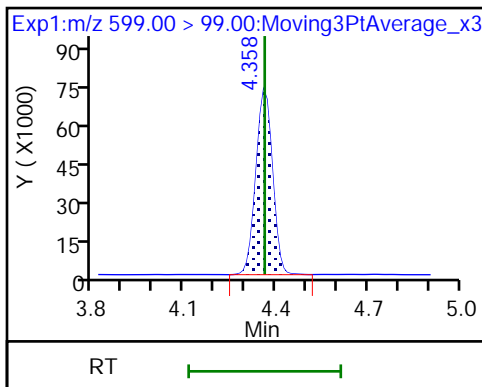
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

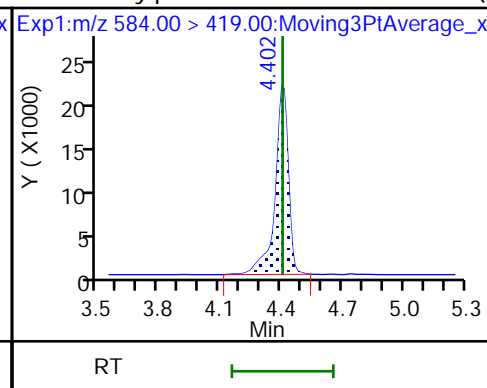
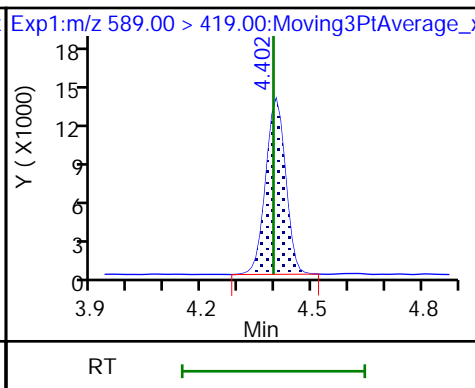
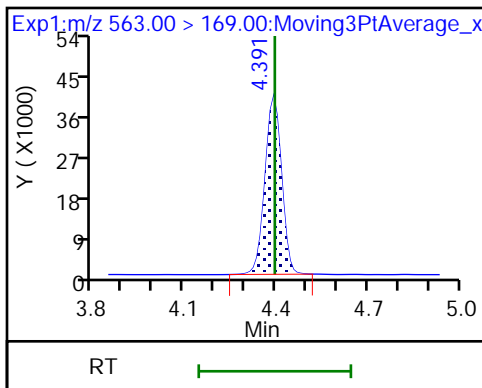
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

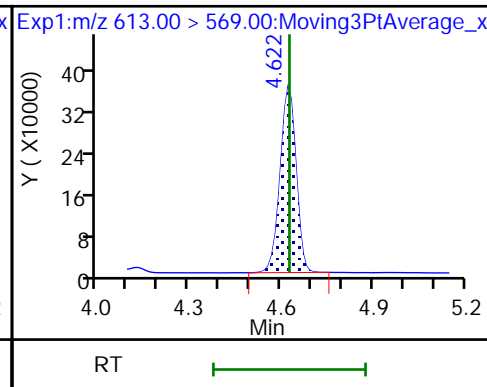
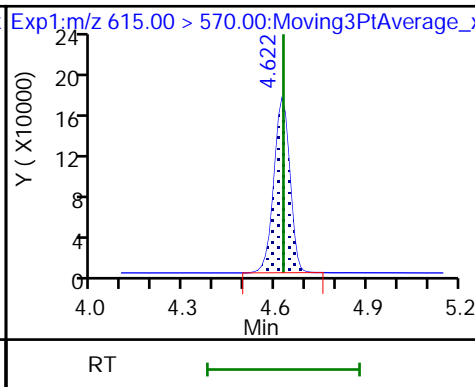
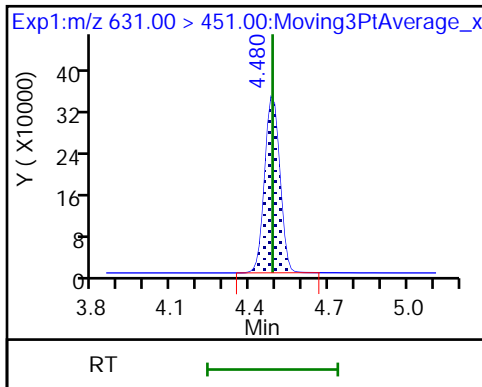
33 N-ethylperfluorooctanesulfonamid (M)

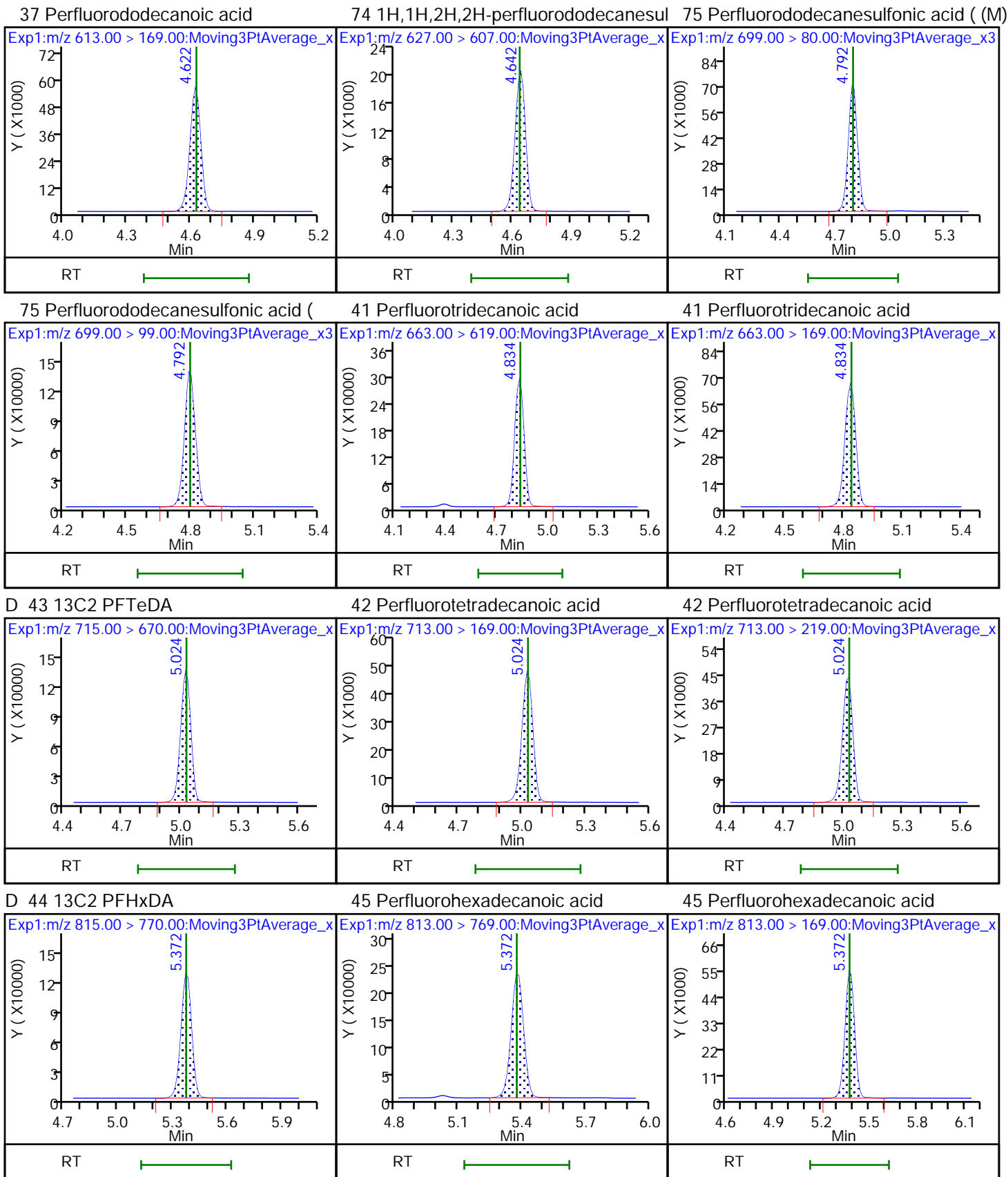


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

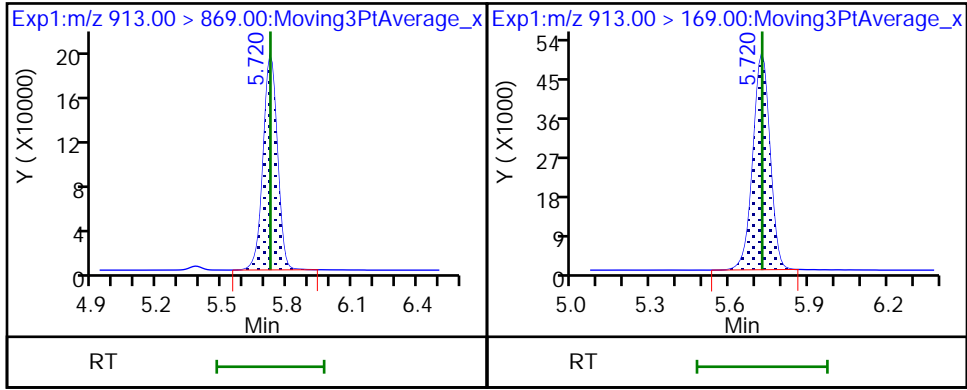
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Euofins TestAmerica, Burlington

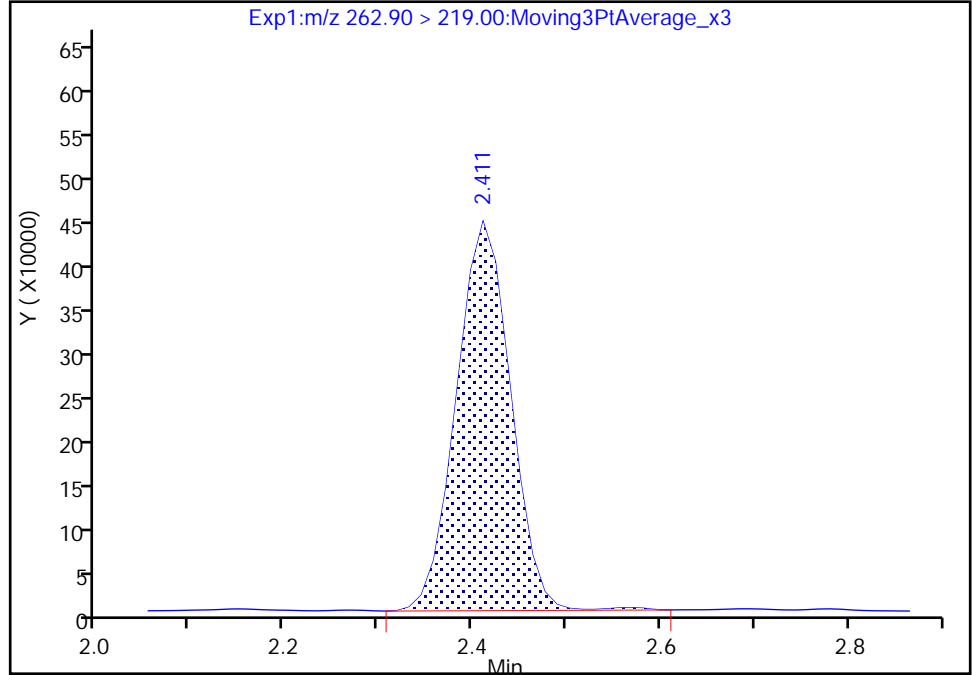
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Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

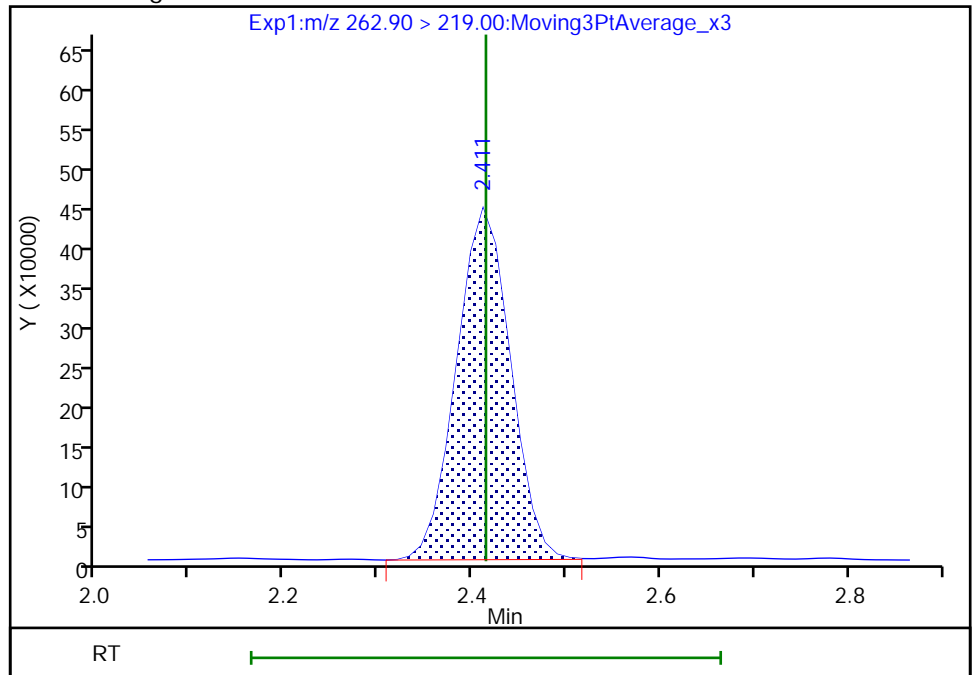
RT: 2.41  
Area: 1766120  
Amount: 2.490698  
Amount Units: ng/ml

Processing Integration Results



RT: 2.41  
Area: 1757757  
Amount: 2.333733  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:06:49  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

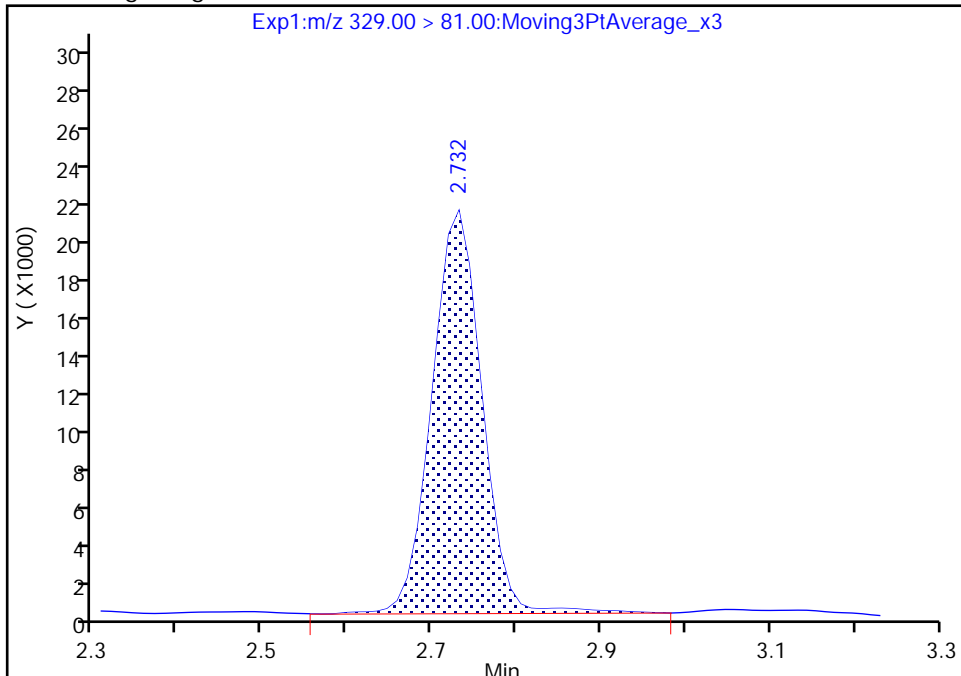
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

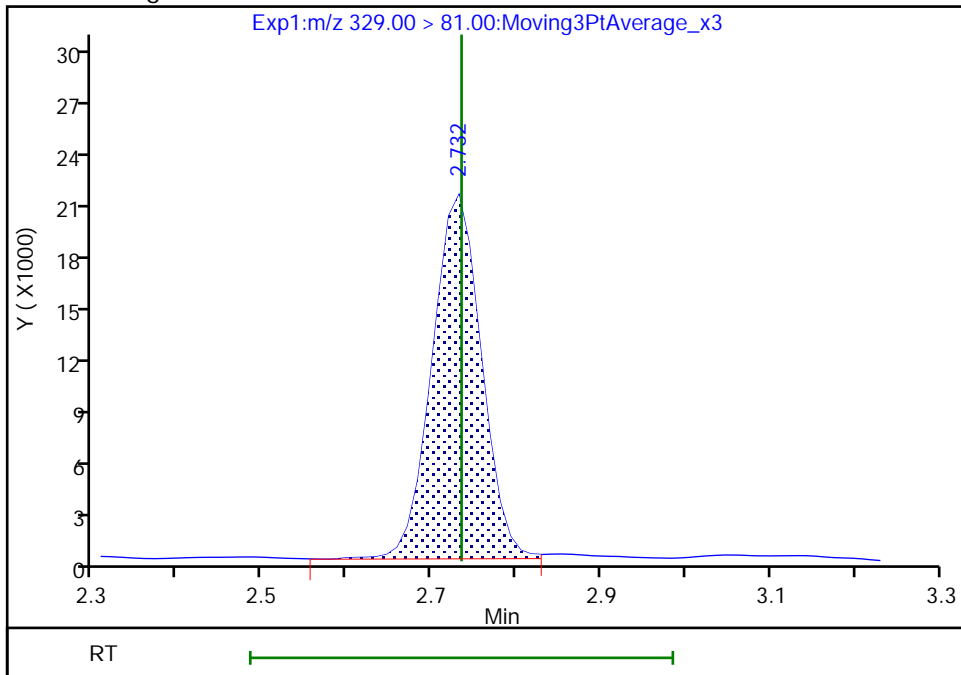
RT: 2.73  
Area: 86251  
Amount: 1.130555  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 85003  
Amount: 1.116805  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:06:38  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

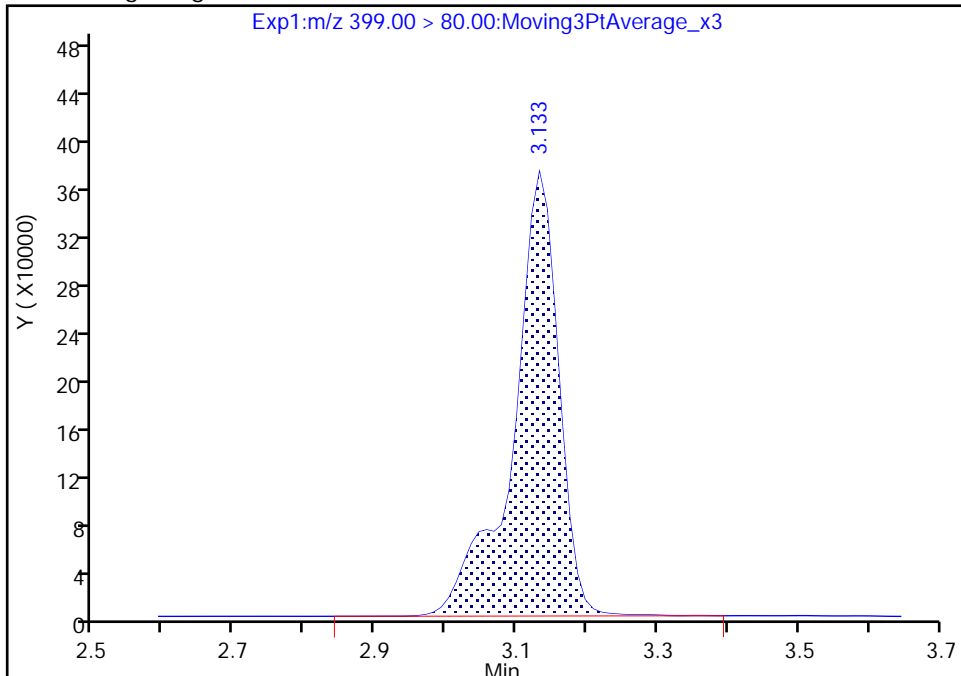
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

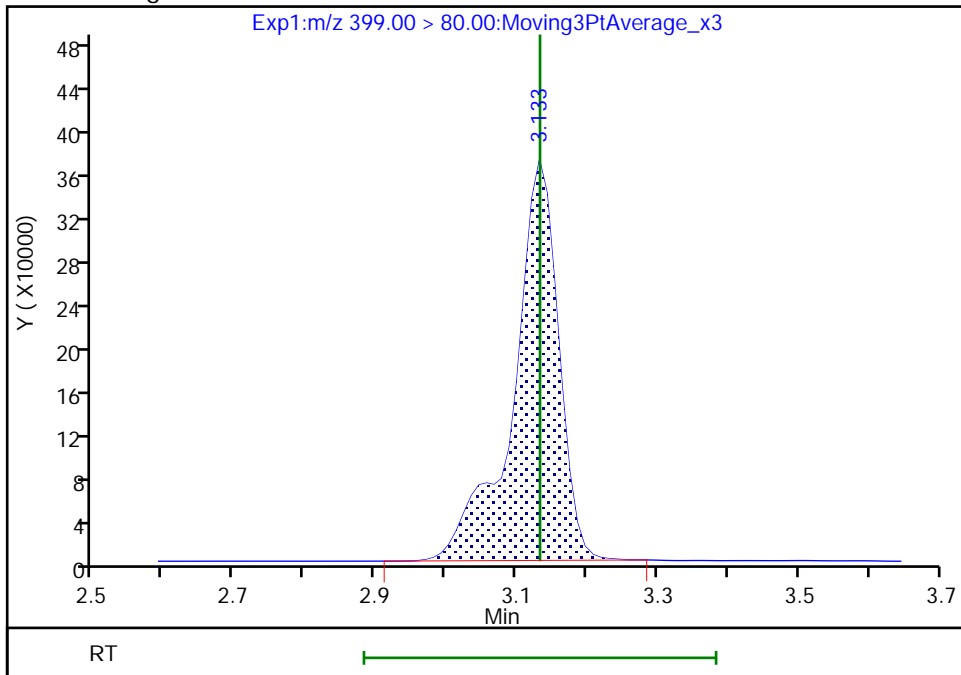
RT: 3.13  
Area: 1661072  
Amount: 2.263574  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 1650425  
Amount: 2.083671  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:06:21  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

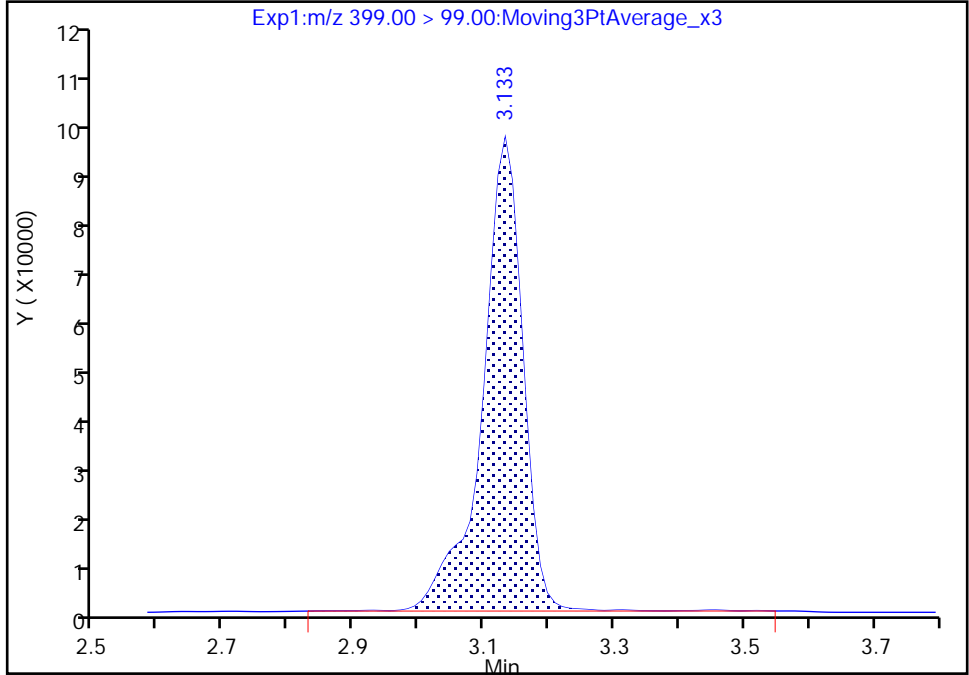
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

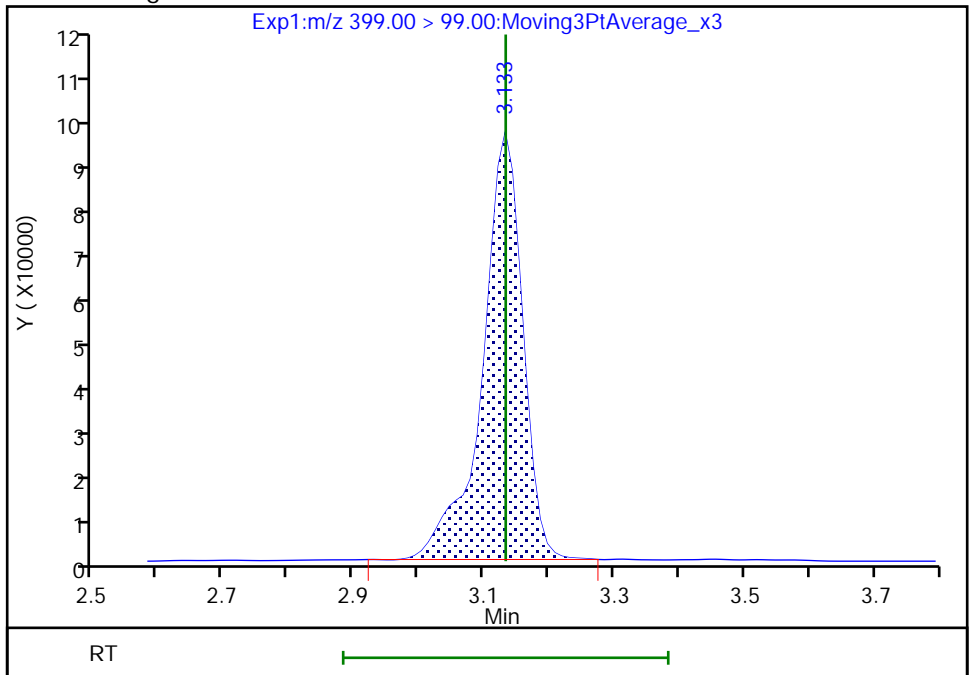
RT: 3.13  
Area: 407785  
Amount: 2.263574  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 403565  
Amount: 2.083671  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:06:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

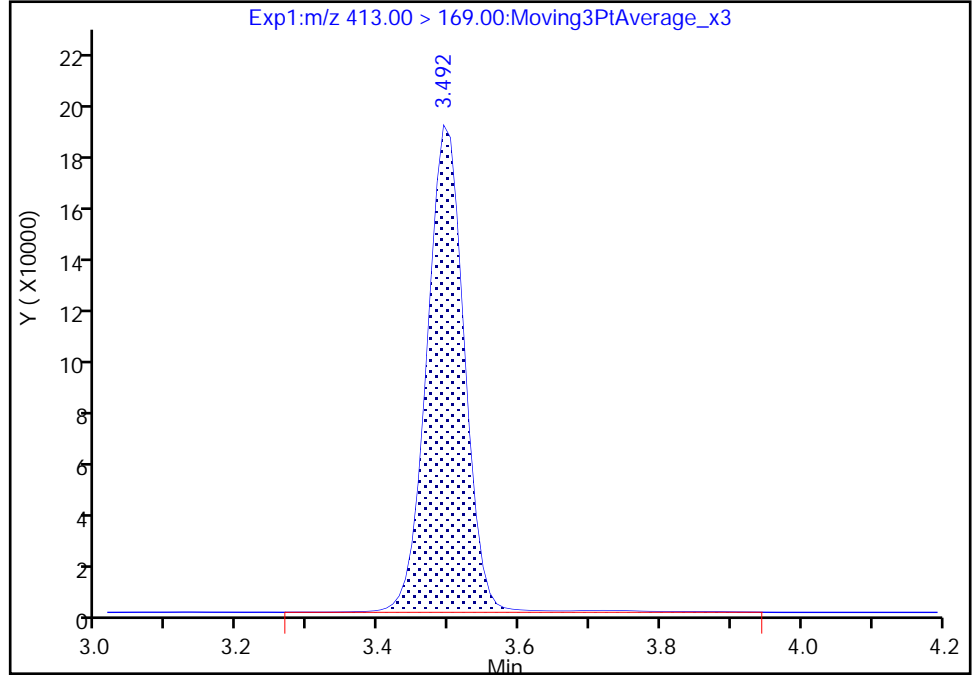
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

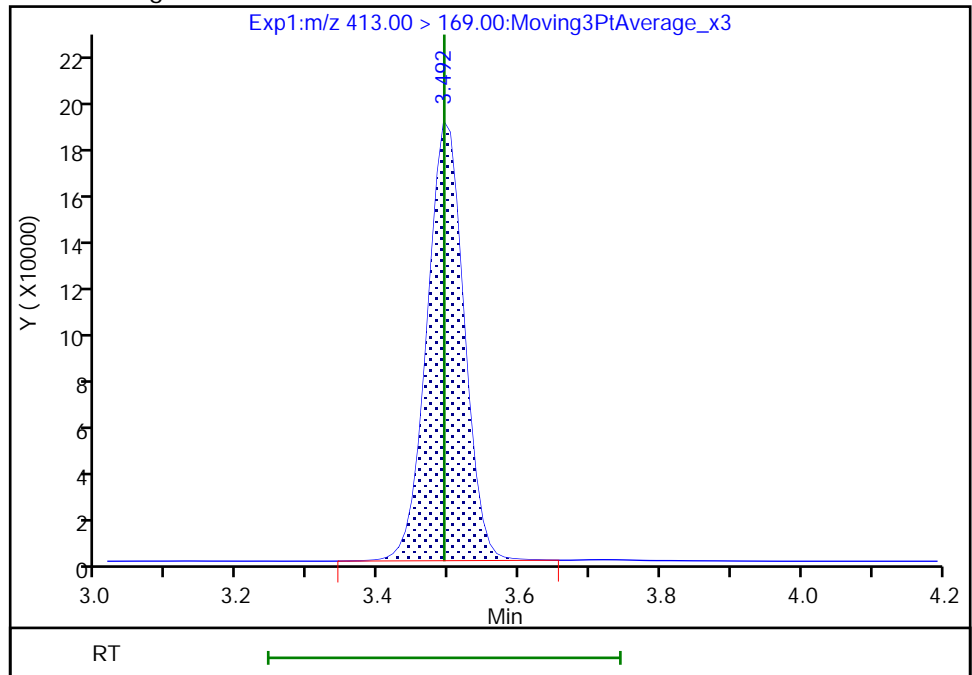
RT: 3.49  
Area: 699967  
Amount: 2.406684  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 690547  
Amount: 2.375772  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:06:07  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

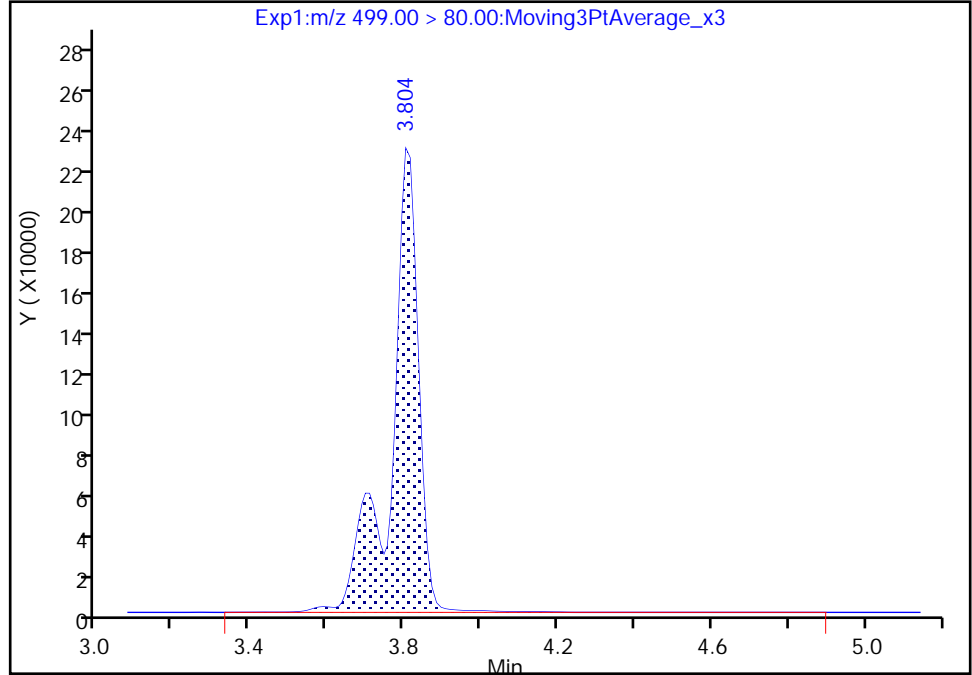
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

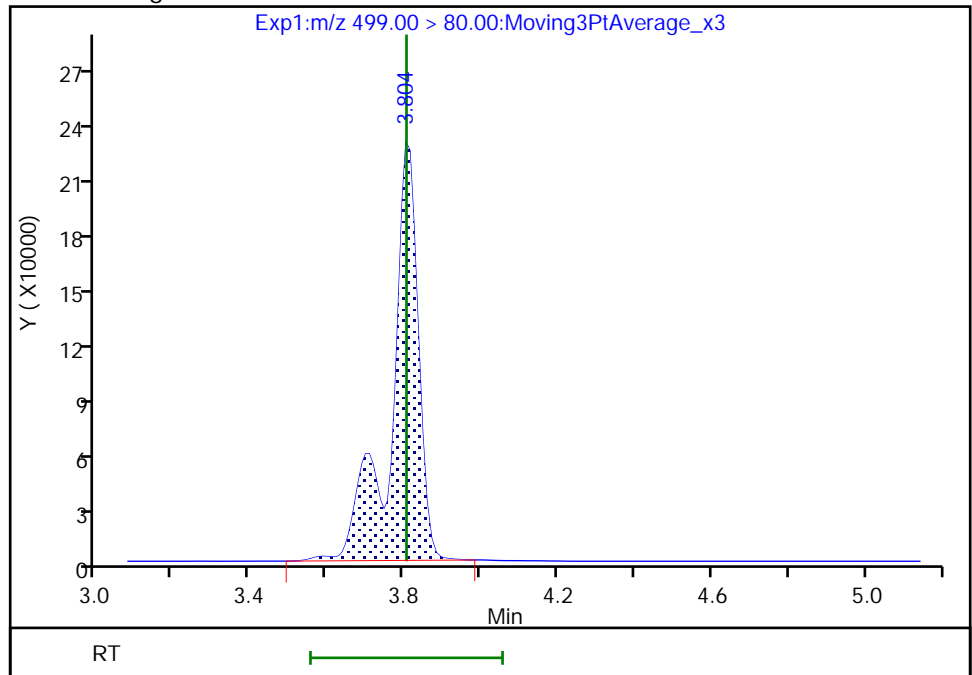
RT: 3.80  
Area: 1131058  
Amount: 2.338355  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 1114751  
Amount: 2.187617  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:05:53  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

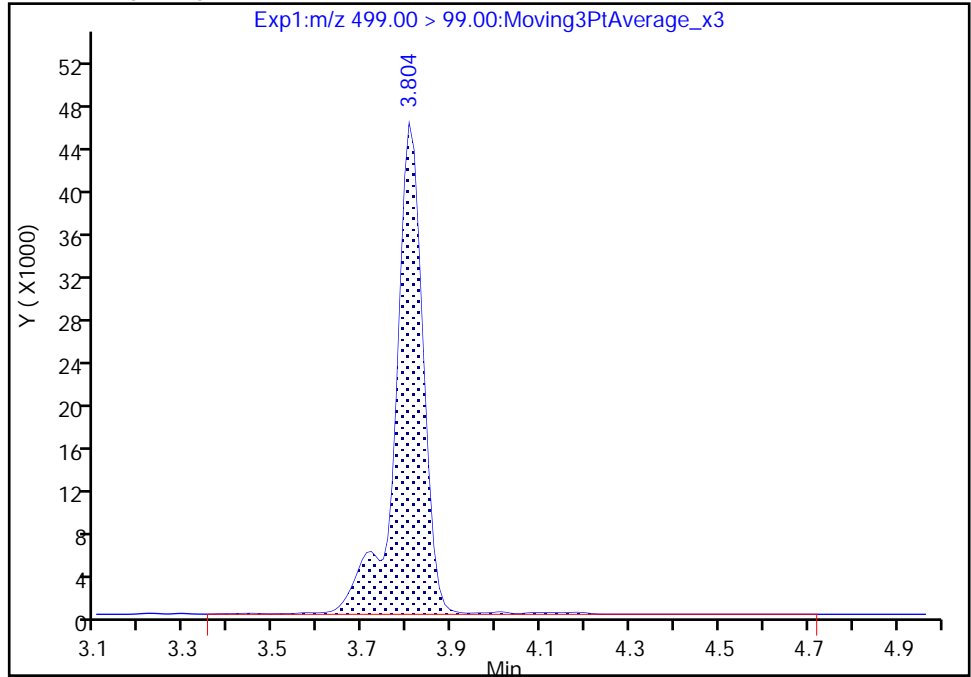
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

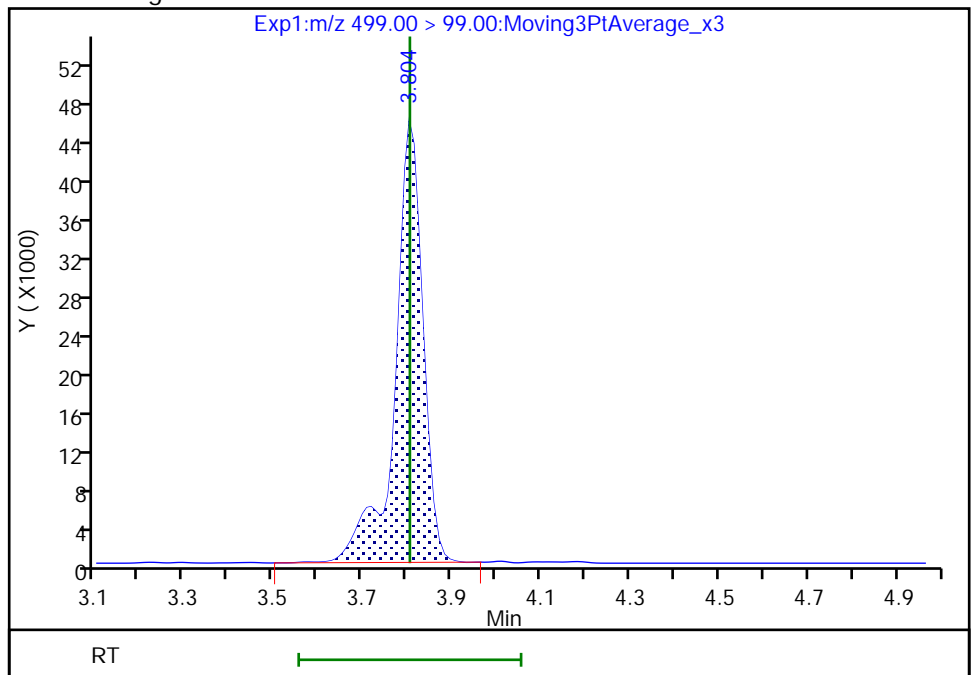
RT: 3.80  
Area: 202581  
Amount: 2.338355  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 198425  
Amount: 2.187617  
Amount Units: ng/ml

Manual Integration Results



Eurofins TestAmerica, Burlington

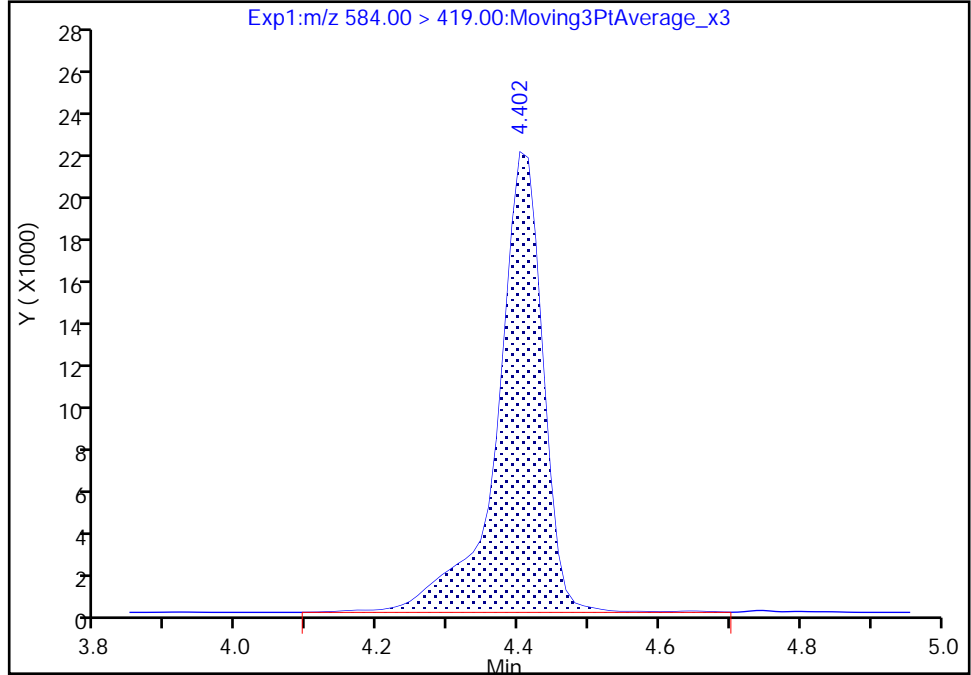
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

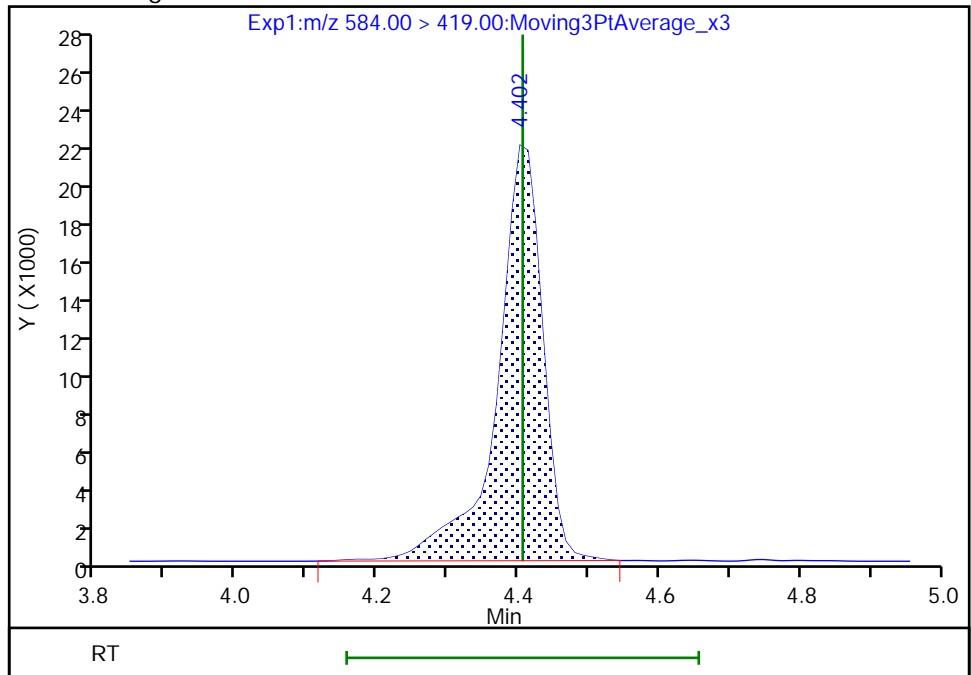
RT: 4.40  
Area: 96935  
Amount: 2.773055  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 96074  
Amount: 2.595879  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:05:30  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

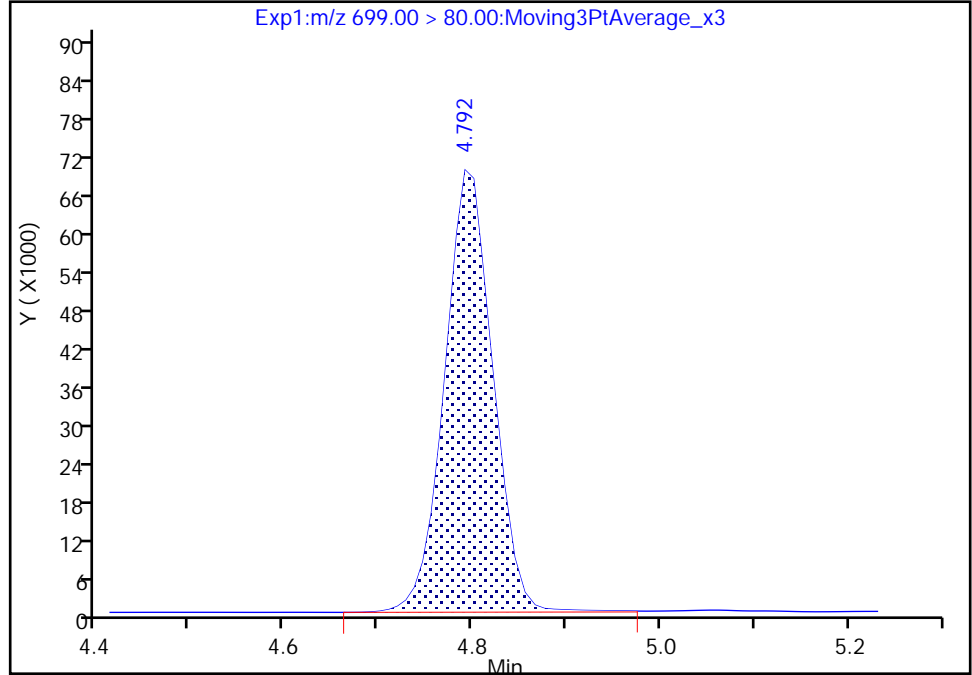
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d  
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

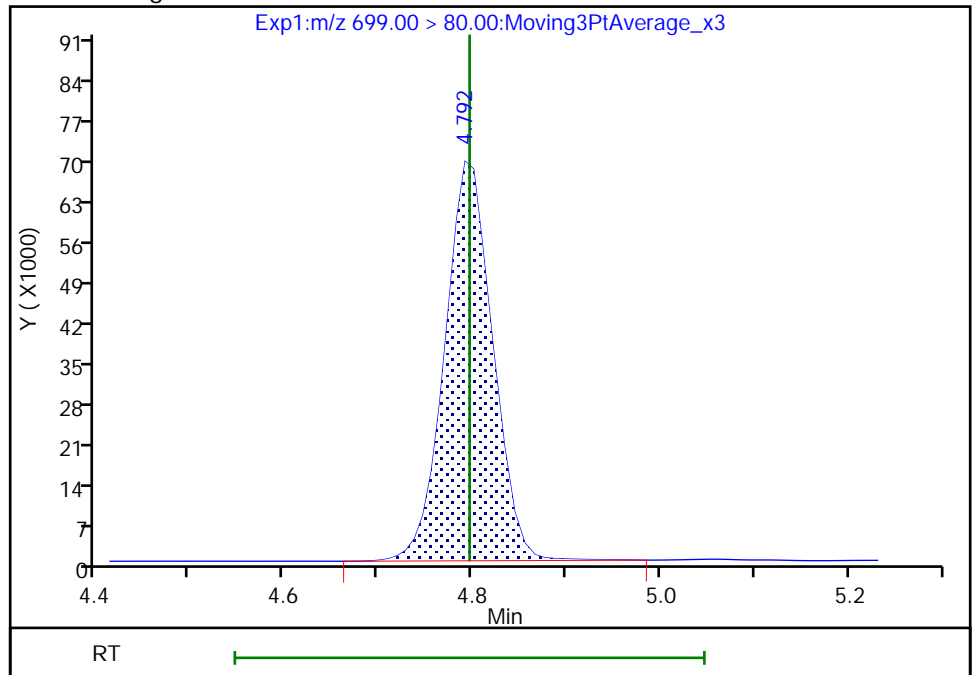
RT: 4.79  
Area: 245955  
Amount: 2.200561  
Amount Units: ng/ml

Processing Integration Results



RT: 4.79  
Area: 244860  
Amount: 2.195792  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:28:22  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Lims ID: IC  
 Client ID:  
 Sample Type: IC Calib Level: 6  
 Inject. Date: 22-Dec-2020 13:29:37 ALS Bottle#: 7 Worklist Smp#: 13  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: IC  
 Misc. Info.: 200-0044184-013 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 14:39:38 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 14:04:56

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 1 13C4 PFBA	217.00 > 172.00	2.089	2.091	-0.002	0.598	1192876	1.30	104	9158	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.000	8790651	9.19		91.9	1191	M
D 3 13C5 PFPeA	267.90 > 223.00	2.411	2.414	-0.003	0.690	847223	1.28	102	2699	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.414	-0.003	1.000	7036279	9.38		93.8	265	
D 47 13C3 PFBS	301.90 > 80.00	2.424	2.427	-0.003	0.694	1066974	1.23	105	392285	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.424	2.427	-0.003	1.000	8770776	8.45	Target=2.21	95.6	5300	M
298.90 > 99.00	2.424	2.427	-0.003	1.000	3982557		2.20(1.10-3.31)	95.6	2595	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.735	-0.003	1.000	1254443	9.07		97.1	2421	
D 60 M2-4:2 FTS	329.00 > 81.00	2.732	2.735	-0.003	0.782	88021	1.21	104	101	M
D 7 13C2 PFHxA	315.00 > 270.00	2.768	2.771	-0.003	0.793	866171	1.25	100.0	3139	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.771	-0.003	1.000	7316861	9.67	Target=12.17	96.7	1318	M
313.00 > 119.00	2.768	2.771	-0.003	1.000	600272		12.19(6.09-18.26)	96.7	839	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.768	2.771	-0.003	0.884	8114898	9.12	Target=3.32	97.2	3936	M
349.00 > 99.00	2.768	2.771	-0.003	0.884	2455035		3.31(1.66-4.98)	97.2	2029	M
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.878	2.881	-0.003	1.000	1690983	10.9		109	180	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.881	-0.003	0.824	139707	1.14		91.6	855	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	801639	1.24		105	3223	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.132	3.133	-0.001	1.000	6676661	8.36	Target=4.08	91.8	1824	M
399.00 > 99.00	3.132	3.133	-0.001	1.000	1631116		4.09(2.04-6.11)	91.8	1026	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	866766	1.31		104	2235	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	6968995	9.20	Target=3.70	92.0	1254	
363.00 > 169.00	3.132	3.133	-0.001	1.000	1961292		3.55(1.85-5.56)	92.0	2662	
77 DONA										
377.00 > 251.00	3.175	3.176	-0.001	0.835	13928638	9.00	Target=2.47	95.5	4514	M
377.00 > 85.00	3.175	3.176	-0.001	0.835	5802950		2.40(1.23-3.70)	95.5	2592	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.483	3.484	-0.001	0.916	5572962	8.93	Target=5.85	93.8	3244	M
449.00 > 99.00	3.483	3.484	-0.001	0.916	965141		5.77(2.93-8.78)	93.8	2810	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	96331	1.19		100	384	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	854196	9.47		99.9	1820	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	839703	1.25		99.7	2870	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		851453	1.25			3240	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.492	3.493	-0.001	1.000	7252703	9.96	Target=2.58	99.6	1101	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	2794731		2.60(1.29-3.87)	99.6	2212	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	552420	1.24		104	894	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.804	3.806	-0.002	1.000	4659375	8.76	Target=5.56	94.4	3431	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	828174		5.63(2.78-8.34)	94.4	1717	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	738168	1.24		99.3	3598	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	6204125	9.49	Target=6.87	94.9	920	
463.00 > 169.00	3.825	3.826	-0.001	1.000	903137		6.87(3.43-10.30)	94.9	3042	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.967	-0.003	1.042	5263362	8.87		95.2	5275	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	3577811	9.02	Target=2.78	94.0	11373	
549.00 > 99.00	4.093	4.095	-0.002	1.076	1313064		2.72(1.39-4.17)	94.0	3473	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	699346	1.23		98.4	3511	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	5664507	9.82	Target=9.03	98.2	2648	
513.00 > 169.00	4.126	4.129	-0.003	1.000	633903		8.94(4.51-13.54)	98.2	3241	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.140	-0.002	1.000	551191	9.19		95.9	3136	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.140	-0.002	1.185	105624	1.27		106	519	
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1111429	1.33		106	3985	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.207	0.008	1.002	8663983	9.72		97.2	4787	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.272	-0.004	1.222	52838	1.28		103	18.4	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	390016	10.4		104	632	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	2896712	9.16	Target=2.76	95.0	3660	
599.00 > 99.00	4.358	4.362	-0.004	1.146	1043601		2.78(1.38-4.14)	95.0	2448	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	589898	1.26		101	2327	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	4701521	9.77	Target=8.02	97.7	1491	
563.00 > 169.00	4.391	4.395	-0.004	1.000	566462		8.30(4.01-12.03)	97.7	4044	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	52405	1.31		105	495	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.402	4.406	-0.004	1.000	355914	9.17		91.7	1454	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	5616158	9.12		96.9	3009	
D 36 13C2 PFDaA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	631964	1.28		103	3397	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	5514700	9.92	Target=6.85	99.2	1136	
613.00 > 169.00	4.622	4.626	-0.004	1.000	787613		7.00(3.42-10.27)	99.2	3121	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.643	4.637	0.006	1.122	297521	9.63		99.9	2455	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.792	4.797	-0.005	1.260	1019532	8.76	Target=0.53	90.5	1881	M
699.00 > 99.00	4.792	4.797	-0.005	1.260	2048689		0.50(0.26-0.79)	90.5	4378	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	4302065	9.53	Target=4.48	95.3	1238	
663.00 > 169.00	4.834	4.839	-0.005	1.046	944848		4.55(2.24-6.72)	95.3	2957	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	471704	1.29		103	2620	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.000	657979	9.40	Target=0.99	94.0	4514	
713.00 > 219.00	5.024	5.027	-0.003	1.000	661054		1.00(0.50-1.49)	94.0	4489	



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 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	502634	1.29		103	1958	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.383	5.374	0.009	1.002	3749492	10.0	Target=4.02	100.0	831	M
813.00 > 169.00	5.372	5.374	-0.002	1.000	935182		4.01(2.01-6.02)	100.0	2911	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.720	5.722	-0.002	1.065	3647983	10.1	Target=3.88	101	1290	
913.00 > 169.00	5.720	5.722	-0.002	1.065	937246		3.89(1.94-5.82)	101	1904	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC6\_00006

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Injection Date: 22-Dec-2020 13:29:37

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 13

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

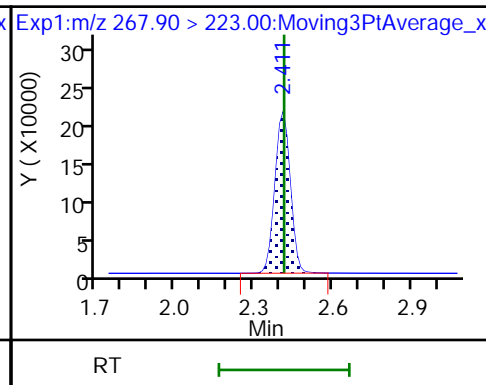
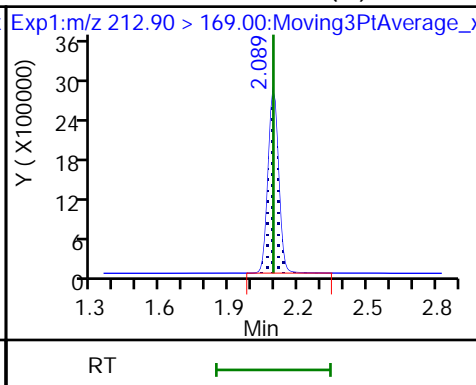
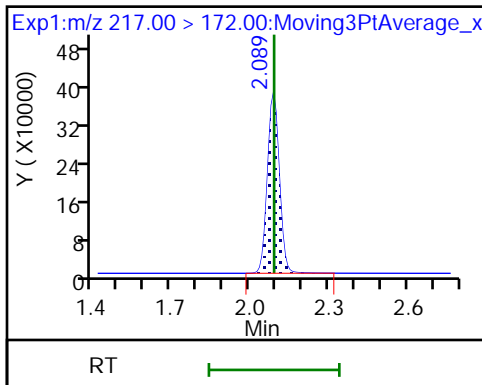
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

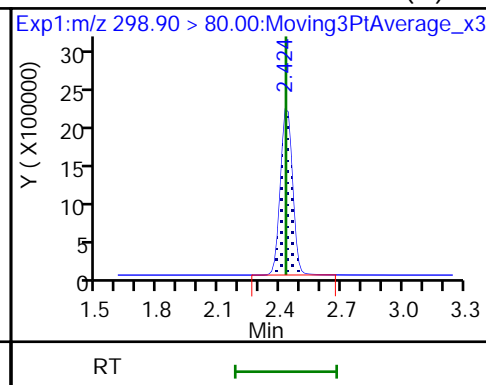
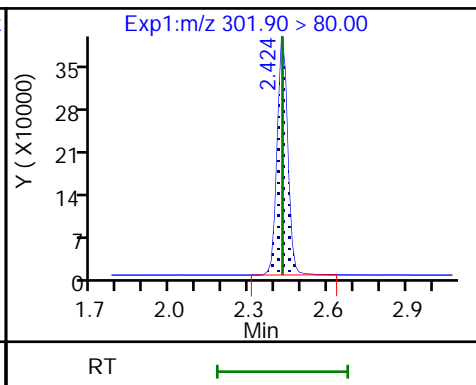
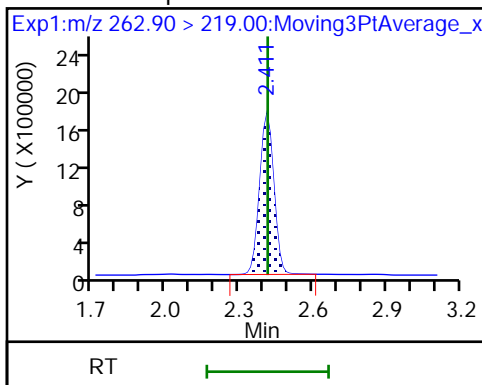
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

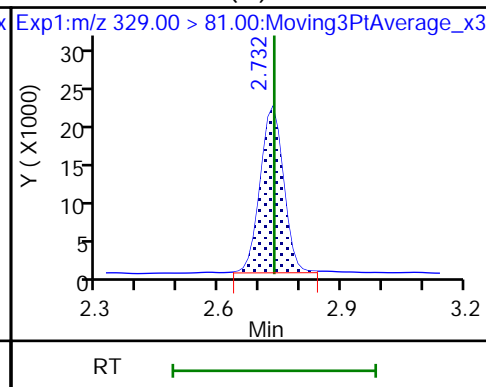
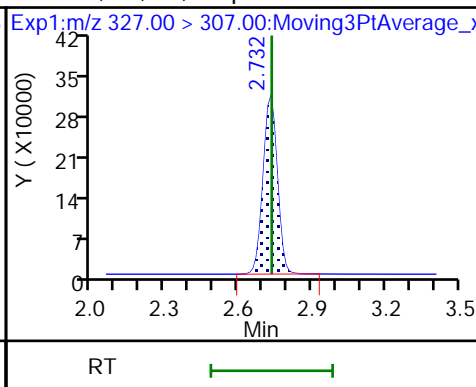
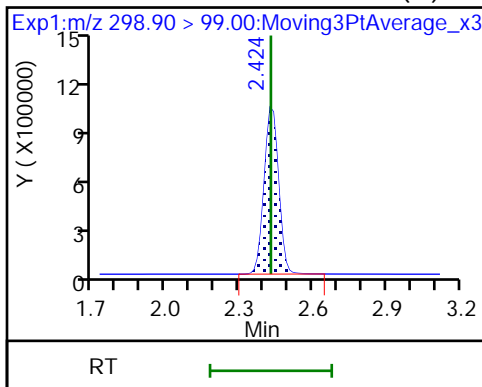
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfo

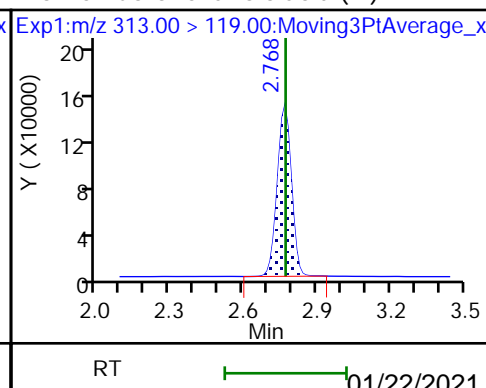
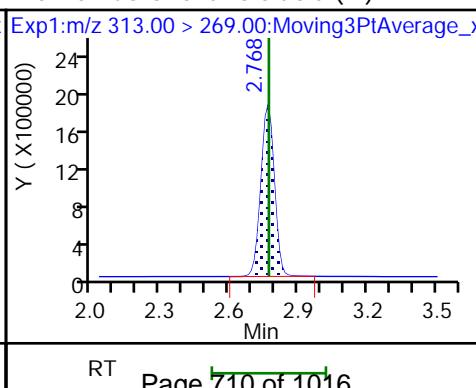
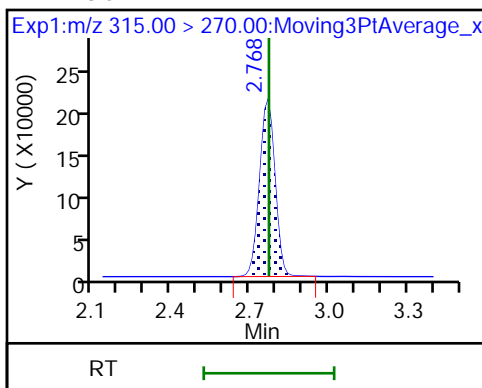
D 60 M2-4:2 FTS (M)



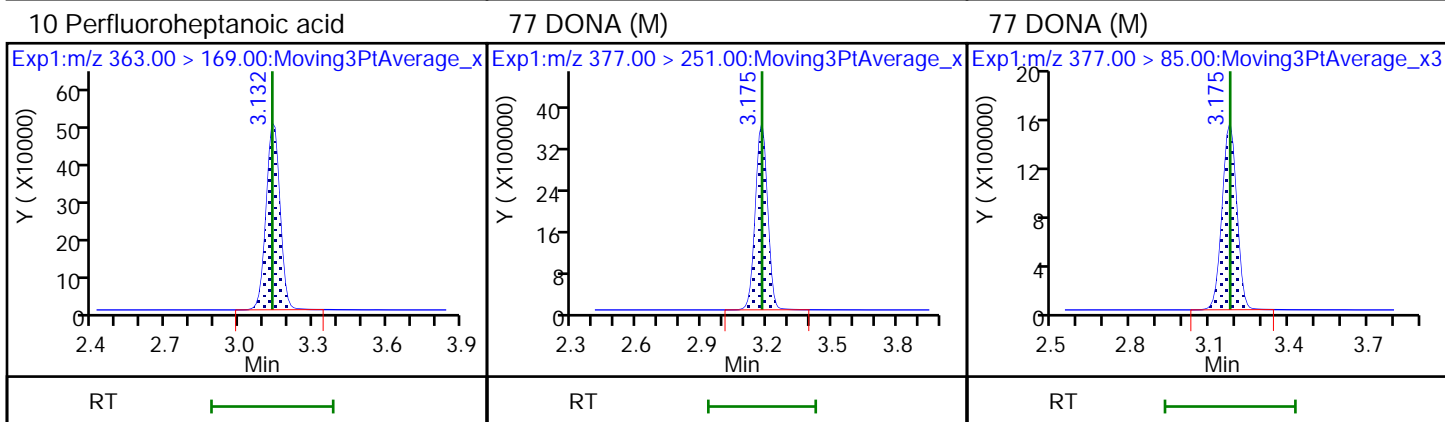
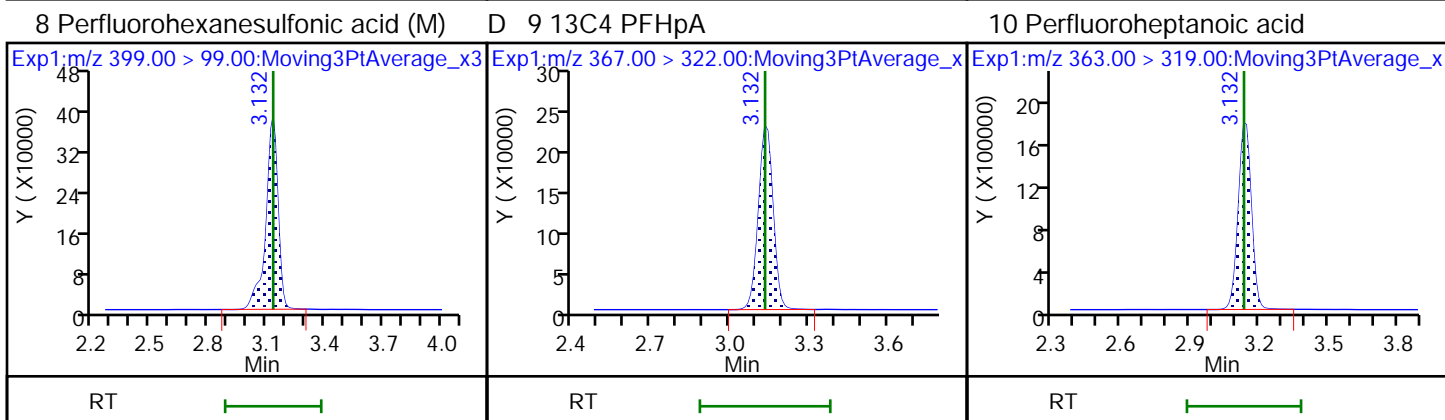
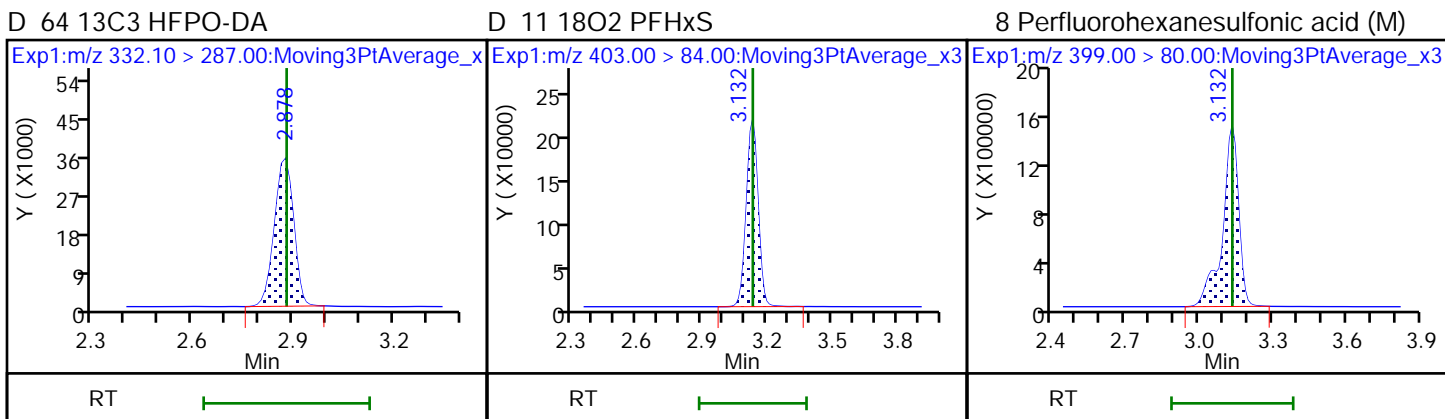
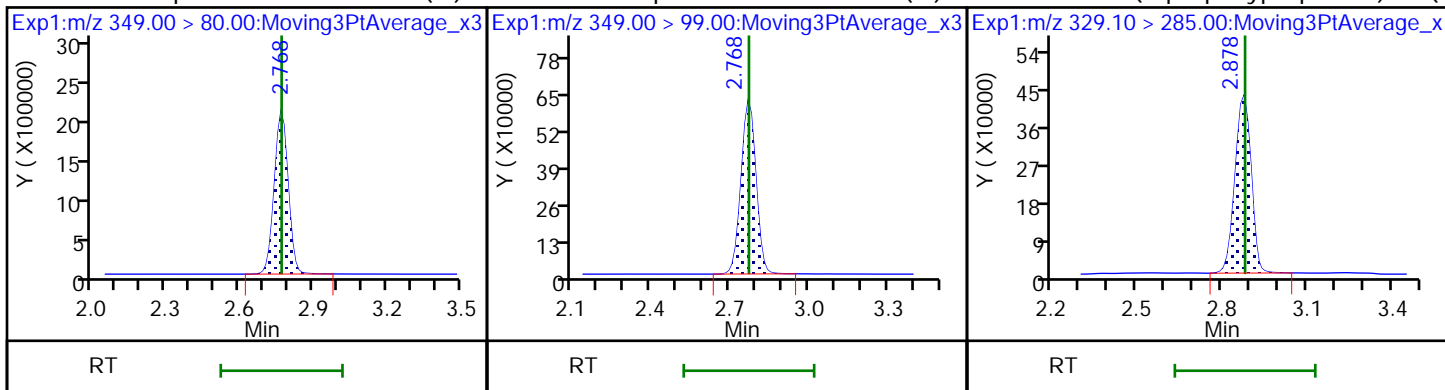
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

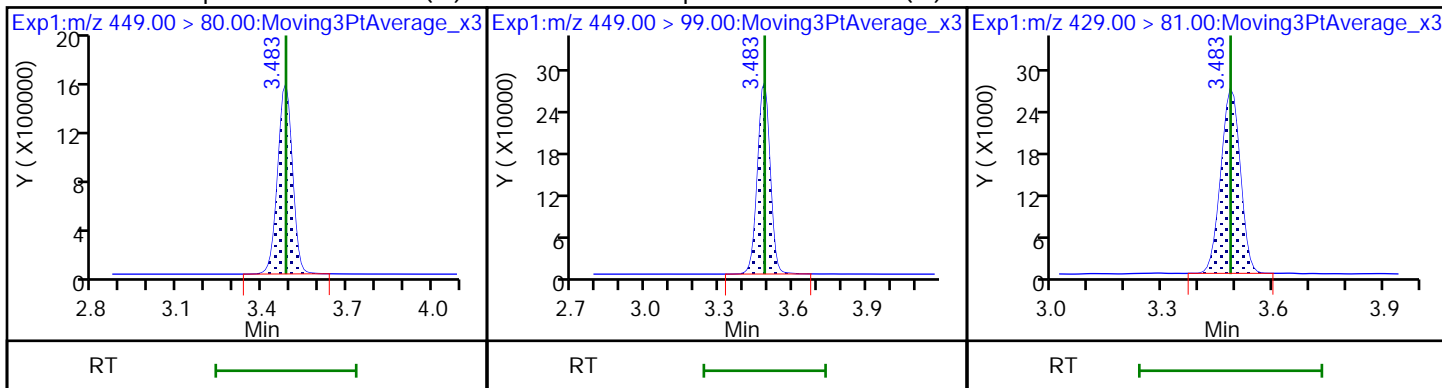
6 Perfluorohexanoic acid (M)



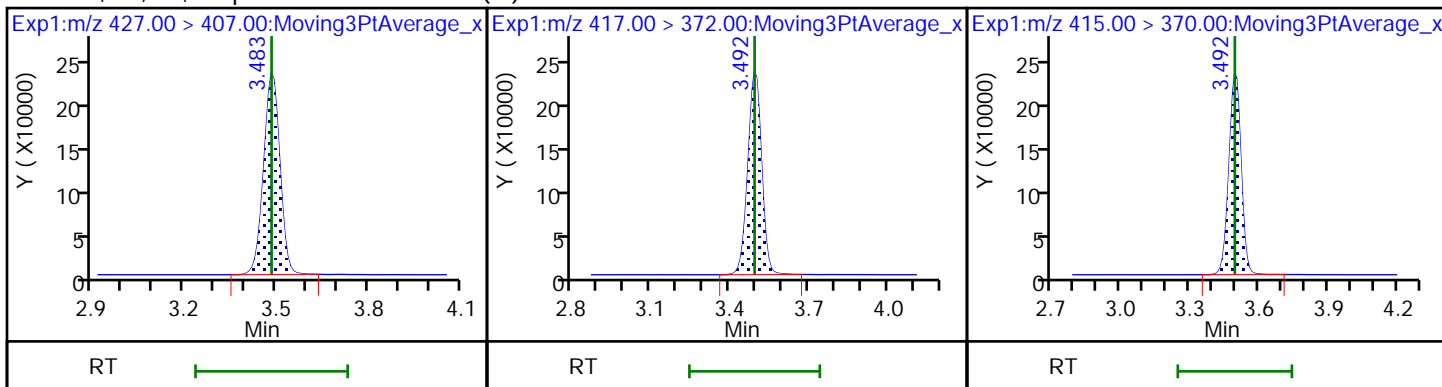
70 Perfluoropentanesulfonic acid (M)    70 Perfluoropentanesulfonic acid (M)    67 Perfluoro(2-propoxypropanoic) ac (M)



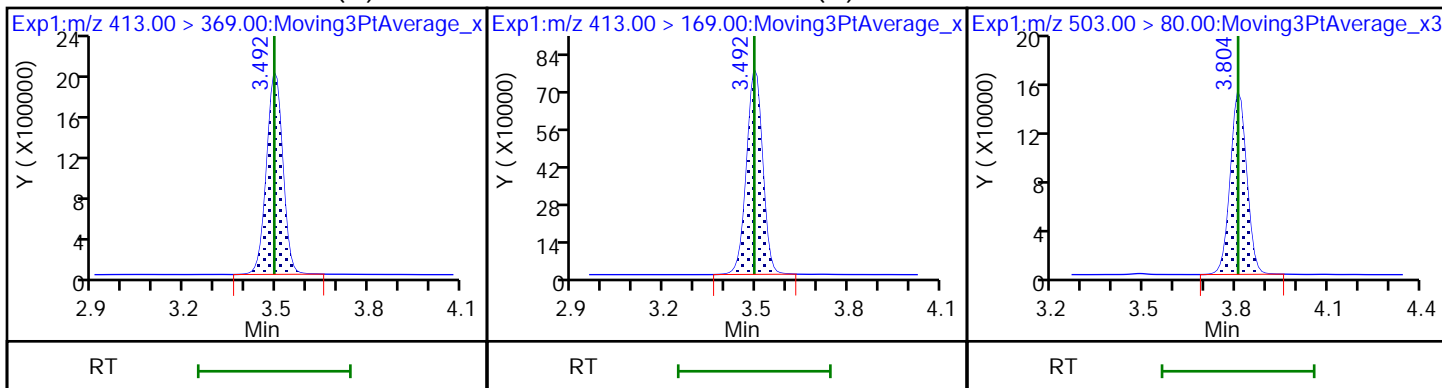
16 Perfluoroheptanesulfonic acid (M) 16 Perfluoroheptanesulfonic acid (M) D 12 M2-6:2 FTS



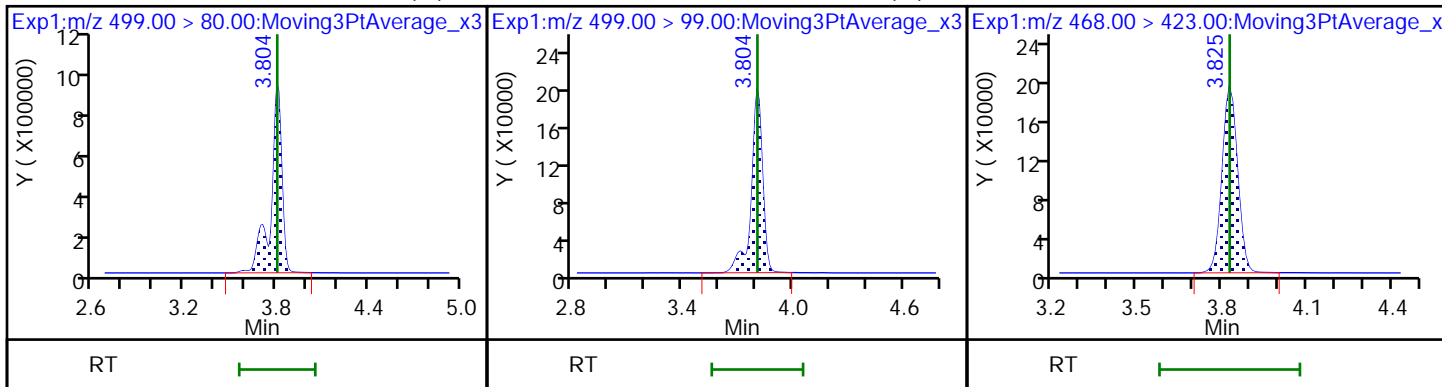
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 14 13C4 PFOA \* 62 13C2 PFOA

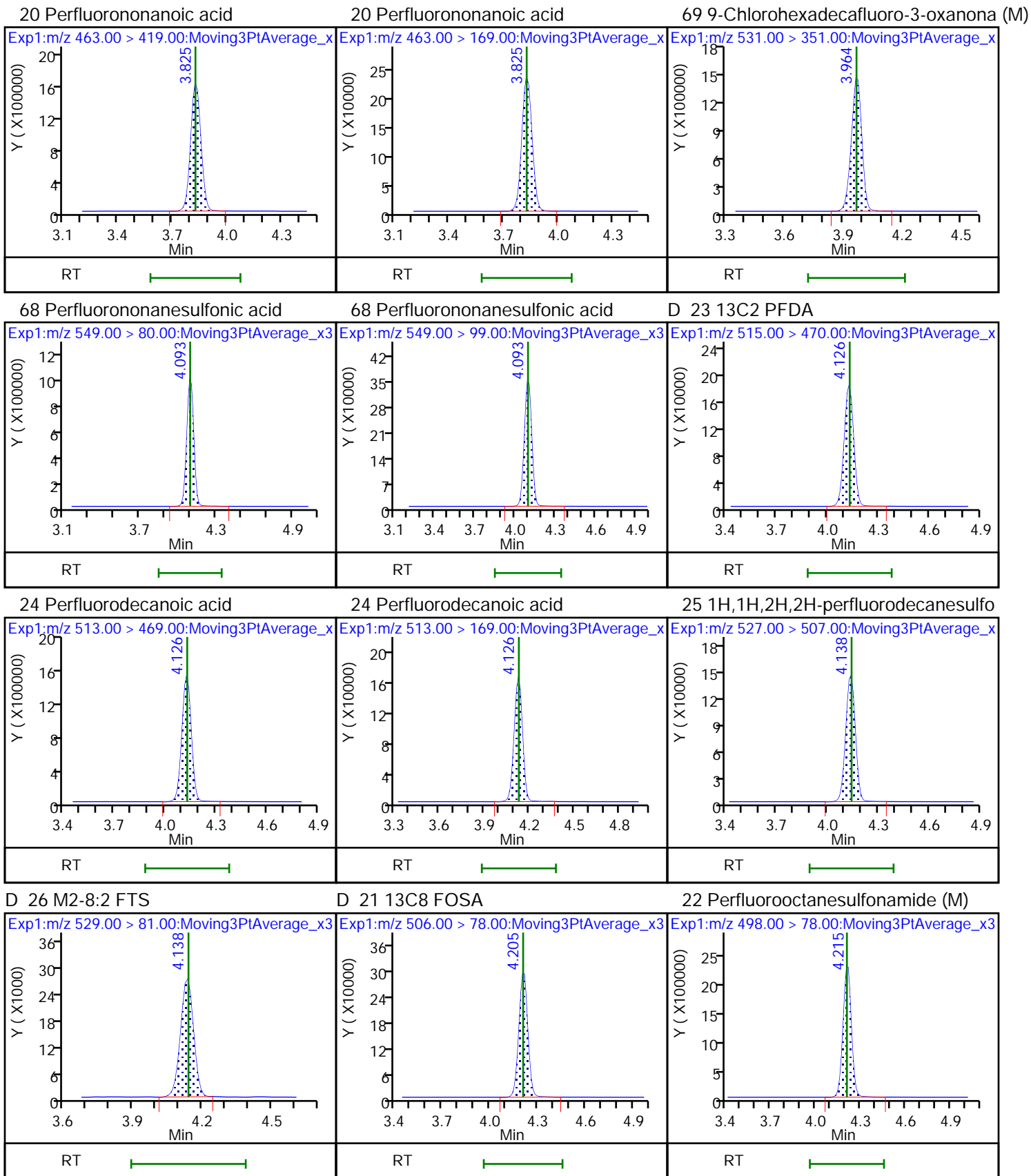


15 Perfluorooctanoic acid (M) 15 Perfluorooctanoic acid (M) D 18 13C4 PFOS



17 Perfluorooctanesulfonic acid (M) 17 Perfluorooctanesulfonic acid (M) D 19 13C5 PFNA

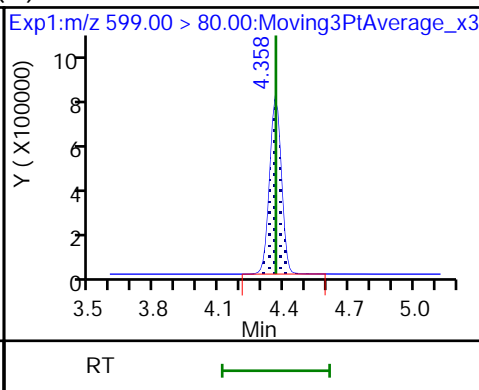
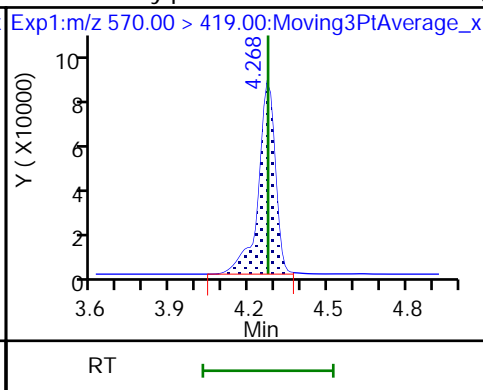
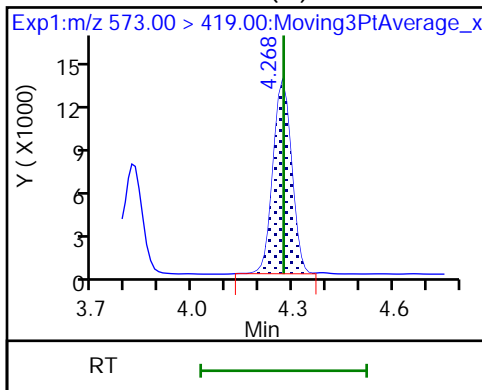




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

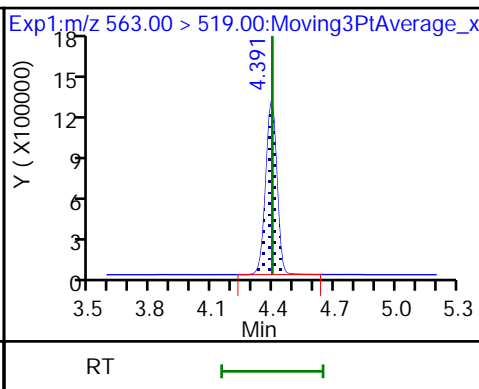
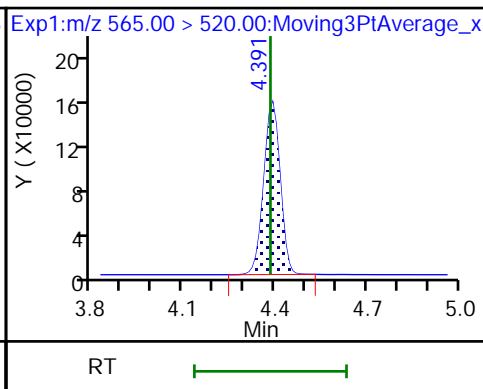
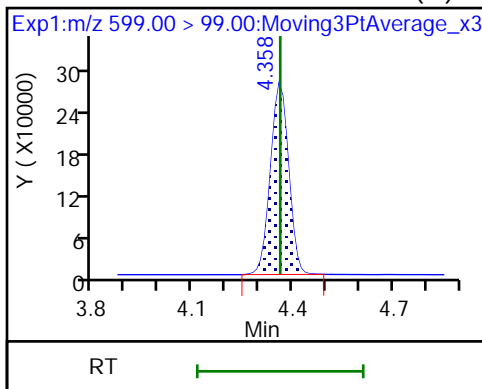
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

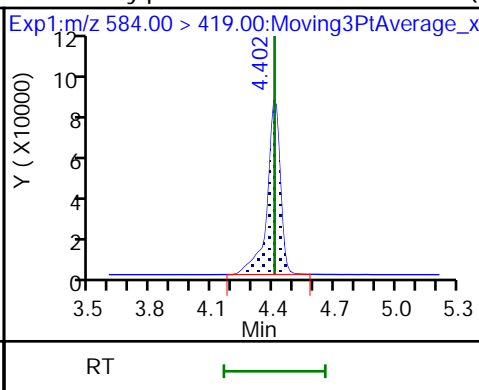
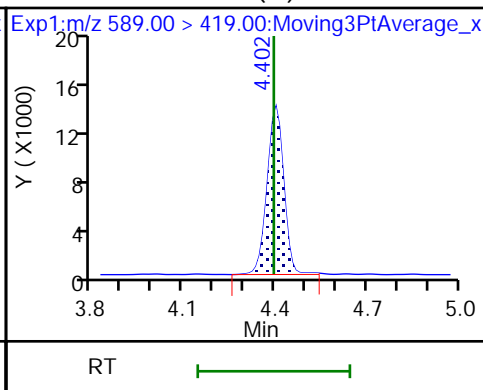
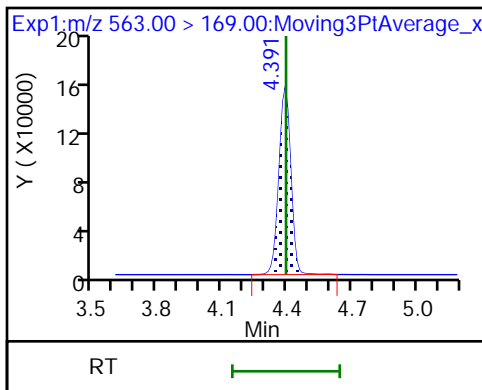
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA (M)

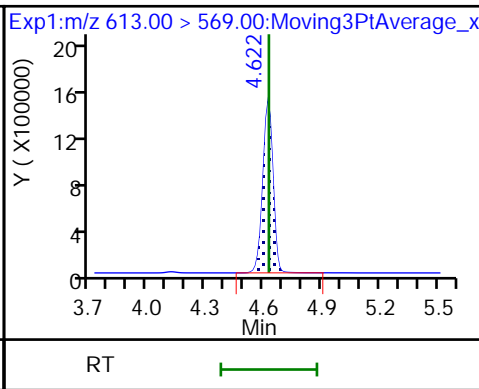
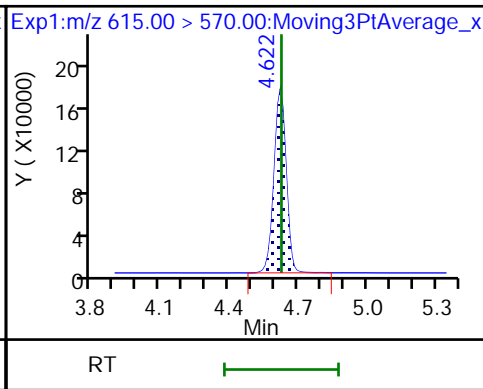
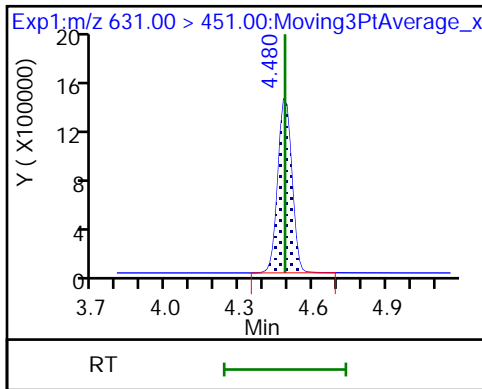
33 N-ethylperfluorooctanesulfonamid (M)



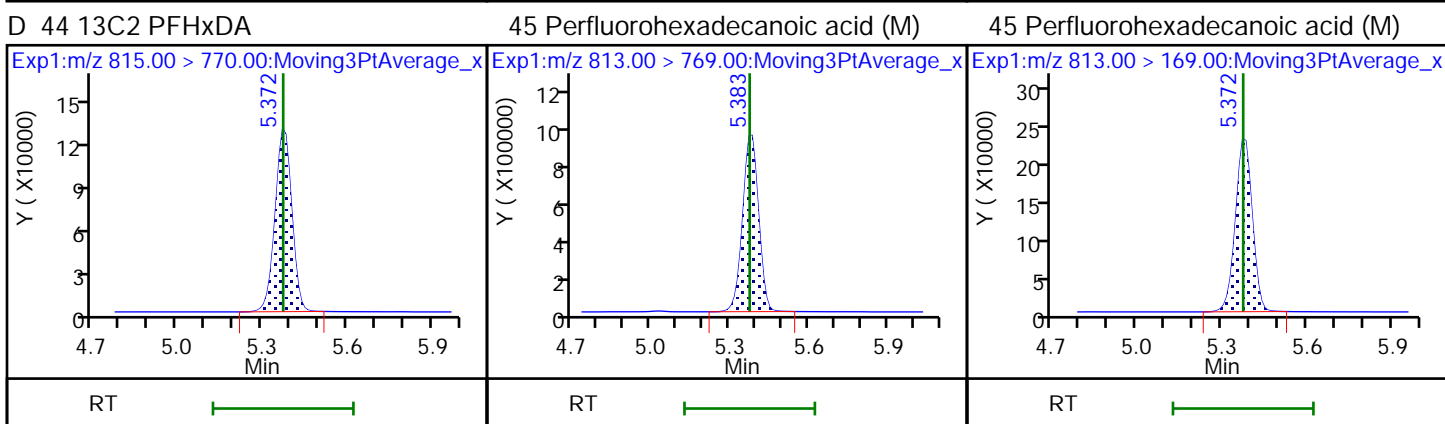
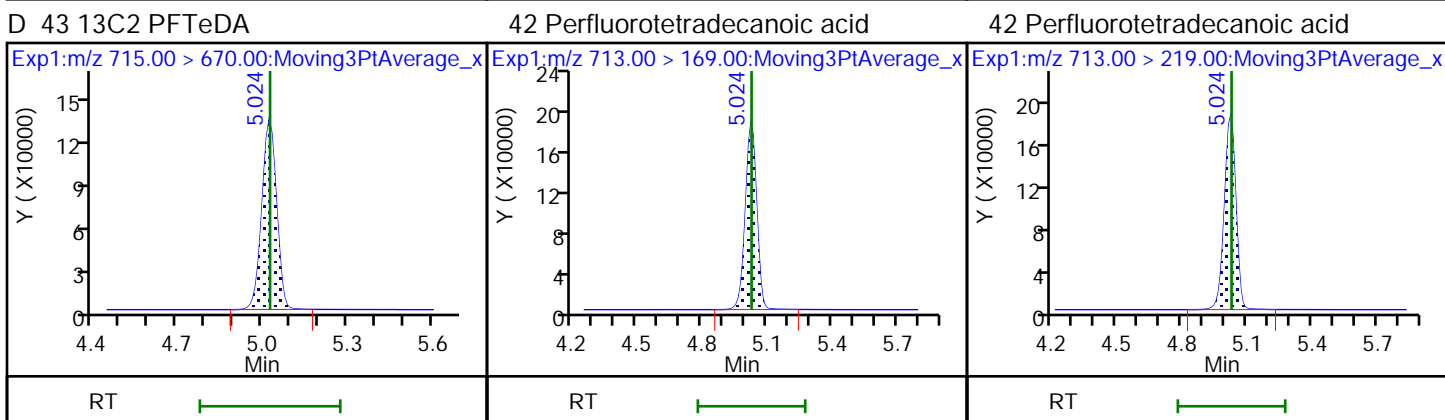
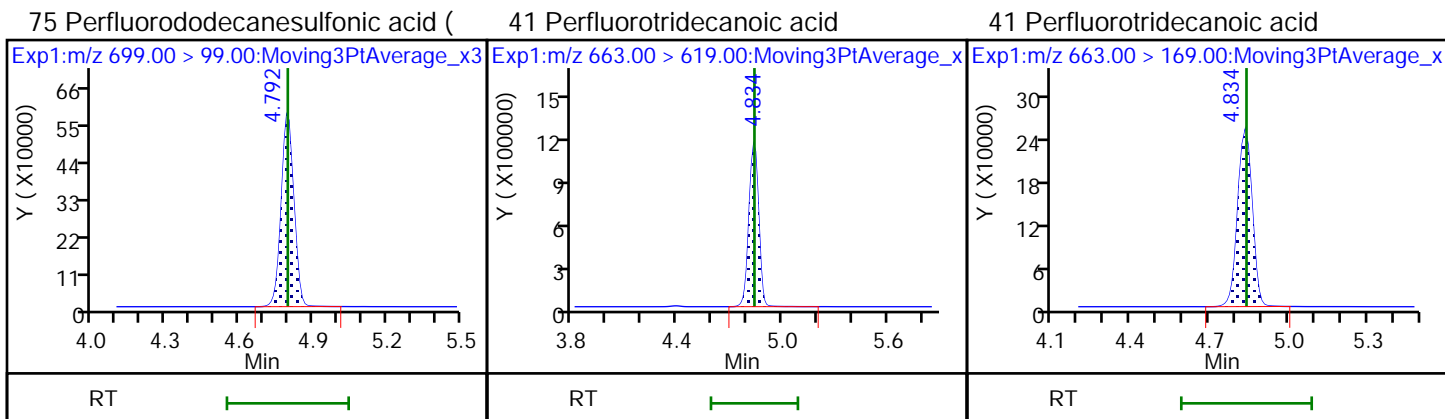
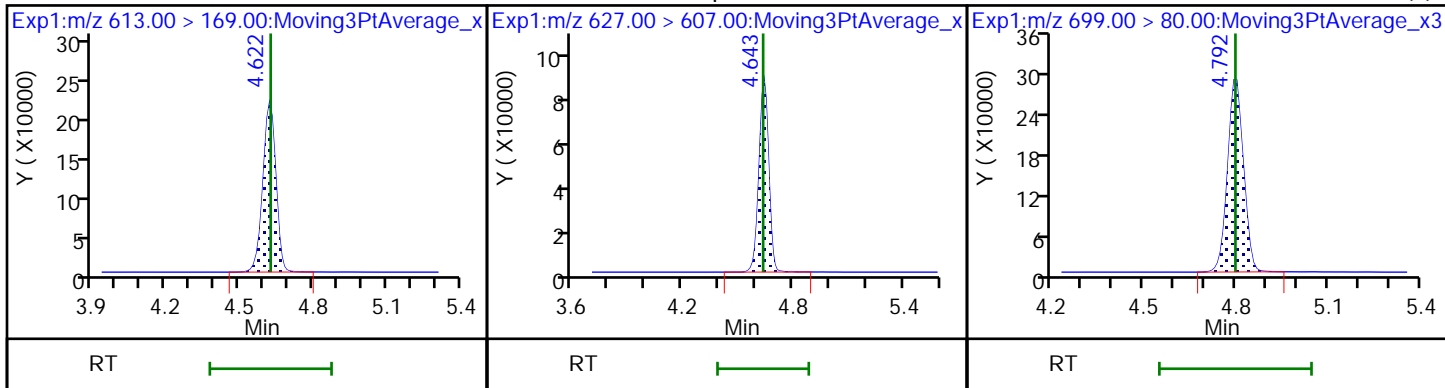
66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

37 Perfluorododecanoic acid

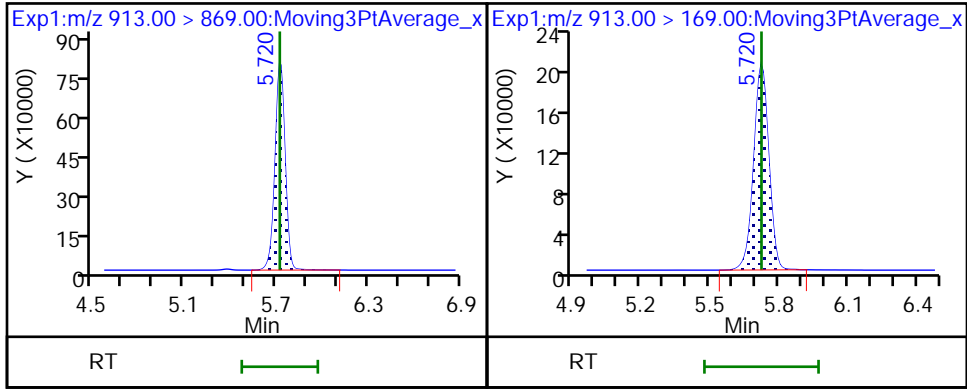


37 Perfluorododecanoic acid      74 1H,1H,2H,2H-perfluorododecanesul      75 Perfluorododecanesulfonic acid ( (M)



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid





Eurofins TestAmerica, Burlington

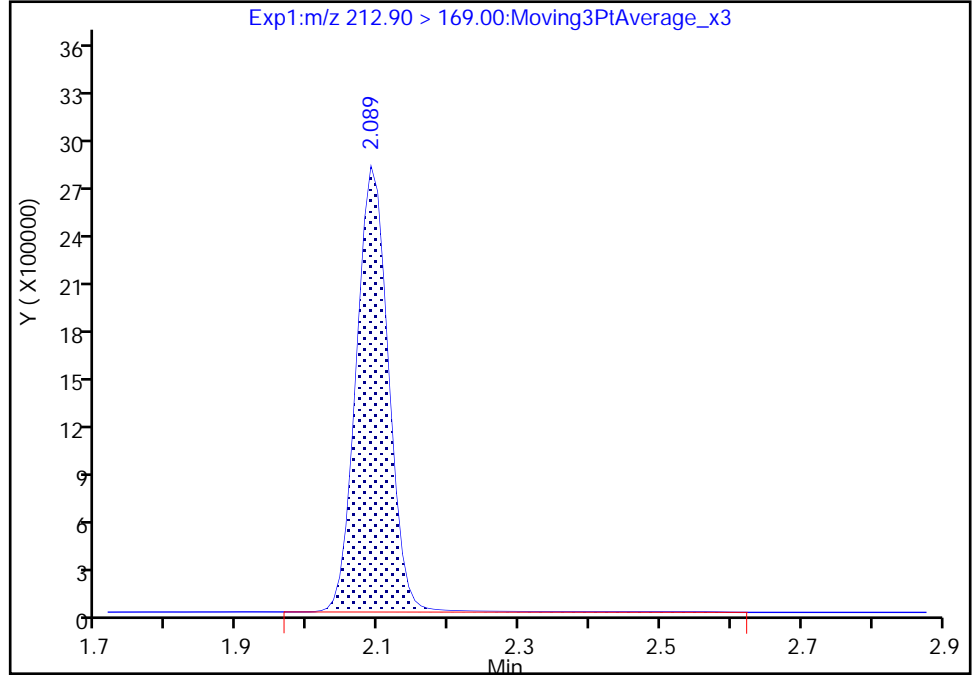
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Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

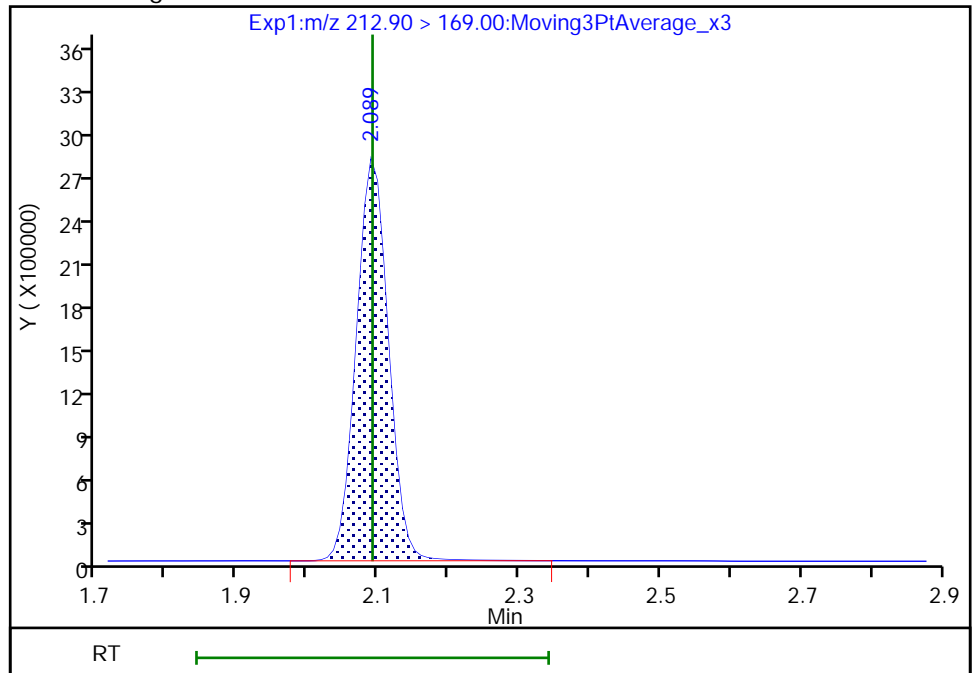
RT: 2.09  
Area: 8854729  
Amount: 10.021258  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 8790651  
Amount: 9.193132  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:00:25  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

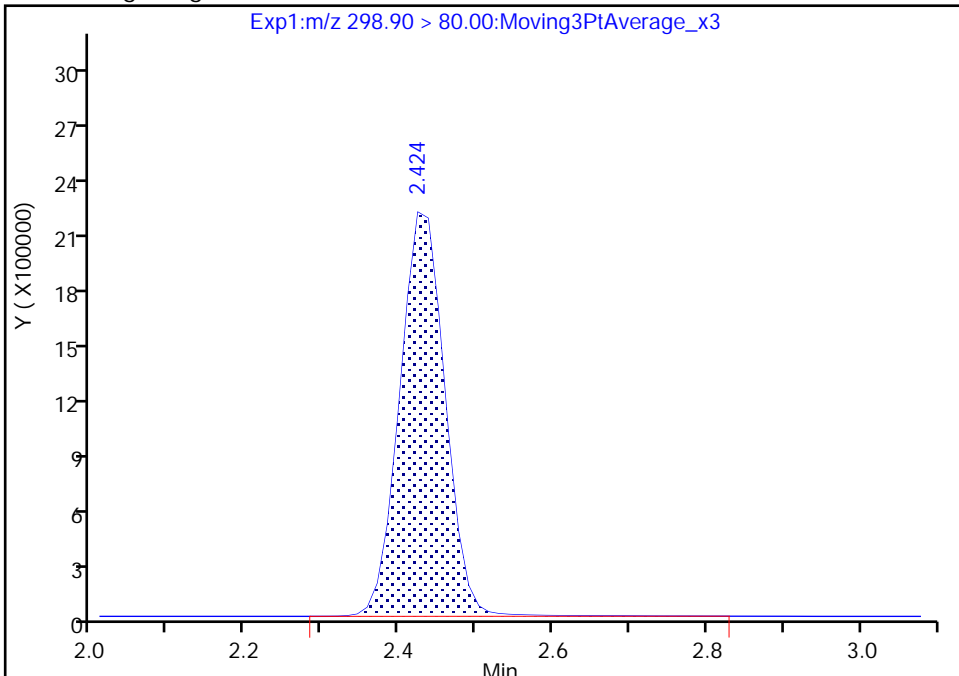
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

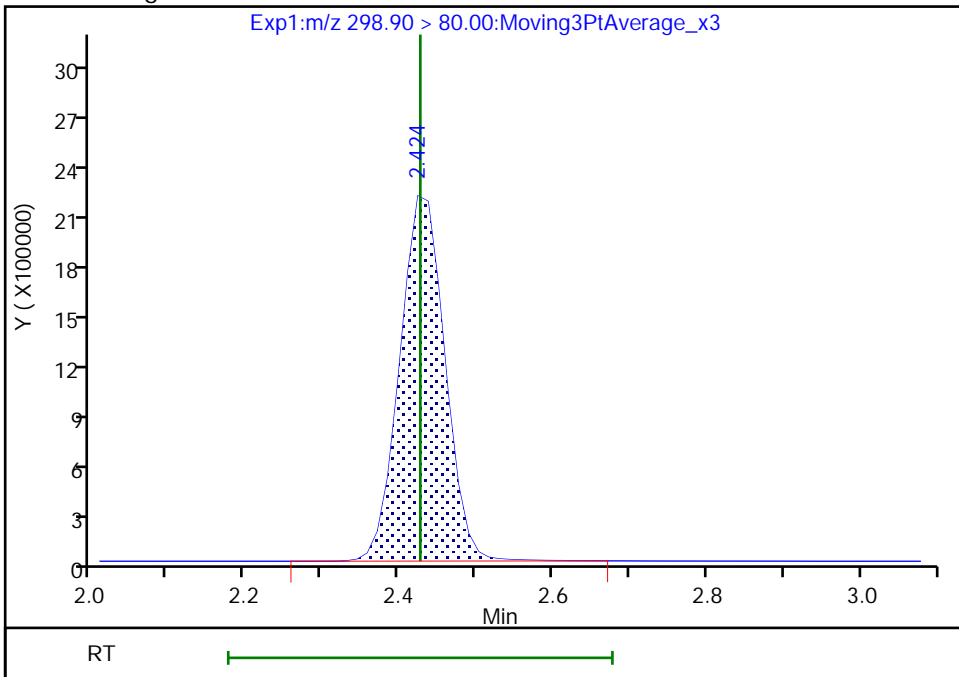
RT: 2.42  
Area: 8798028  
Amount: 8.864743  
Amount Units: ng/ml

Processing Integration Results



RT: 2.42  
Area: 8770776  
Amount: 8.446965  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:00:35  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

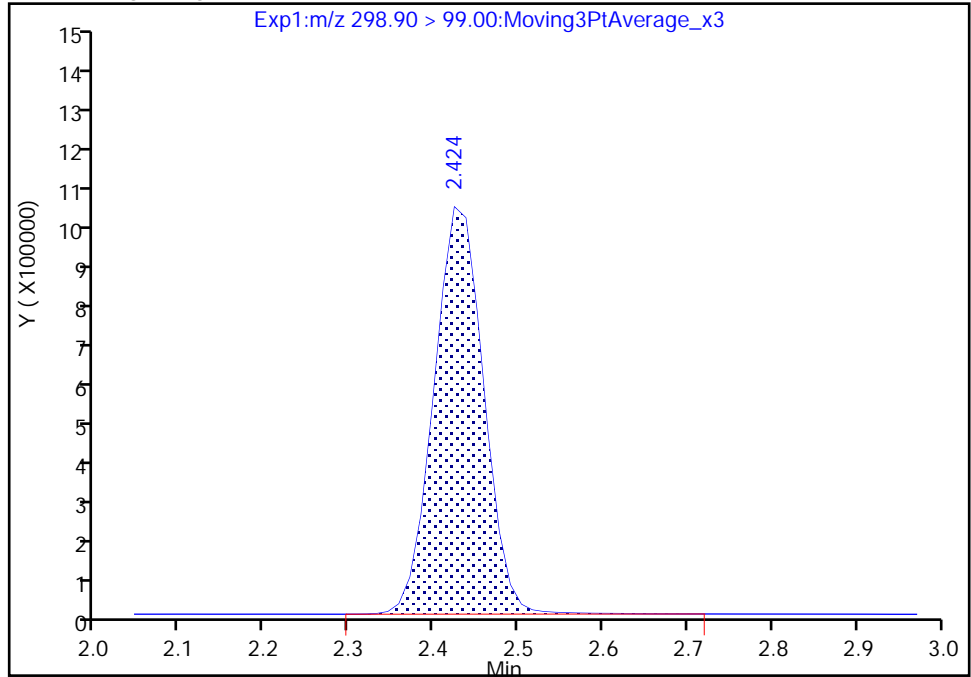
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

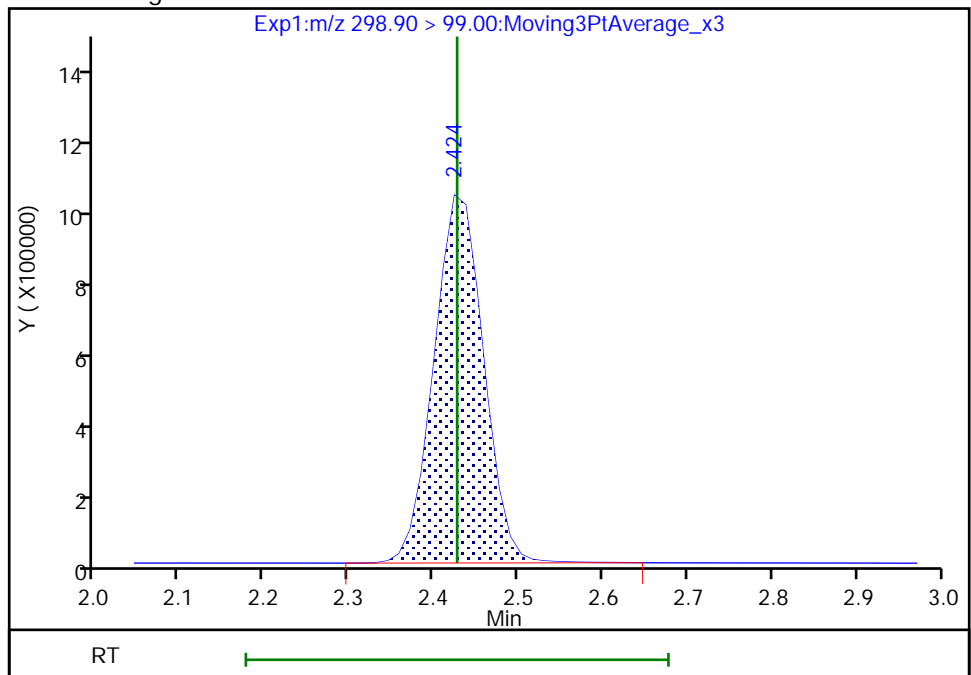
RT: 2.42  
Area: 3988912  
Amount: 8.864743  
Amount Units: ng/ml

Processing Integration Results



RT: 2.42  
Area: 3982557  
Amount: 8.446965  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:00:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

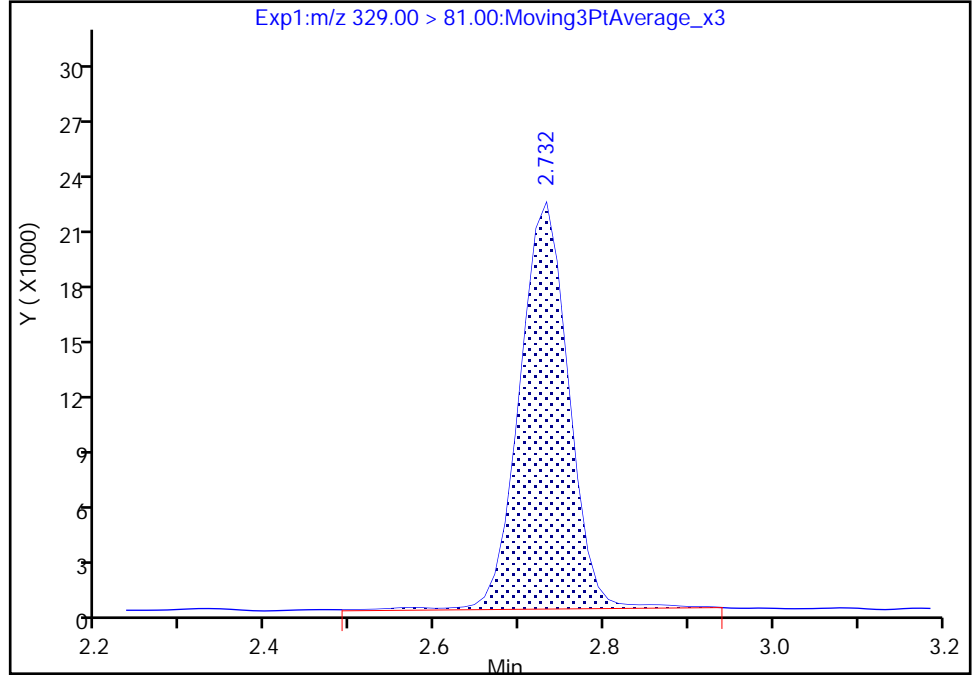
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395  
Signal: 1

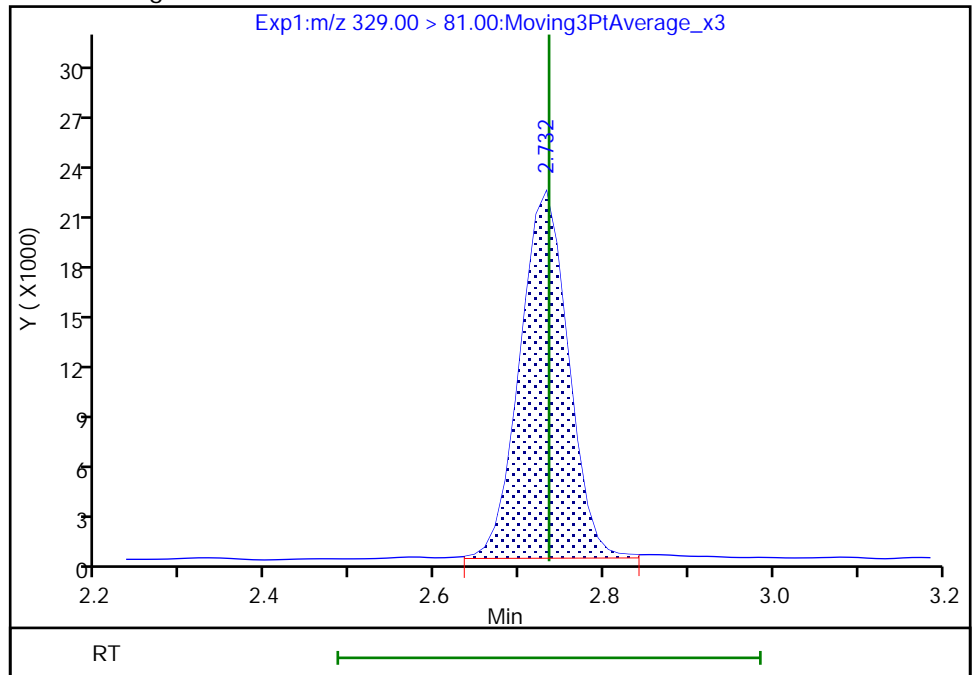
RT: 2.73  
Area: 89402  
Amount: 1.224941  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 88021  
Amount: 1.212116  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:07  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

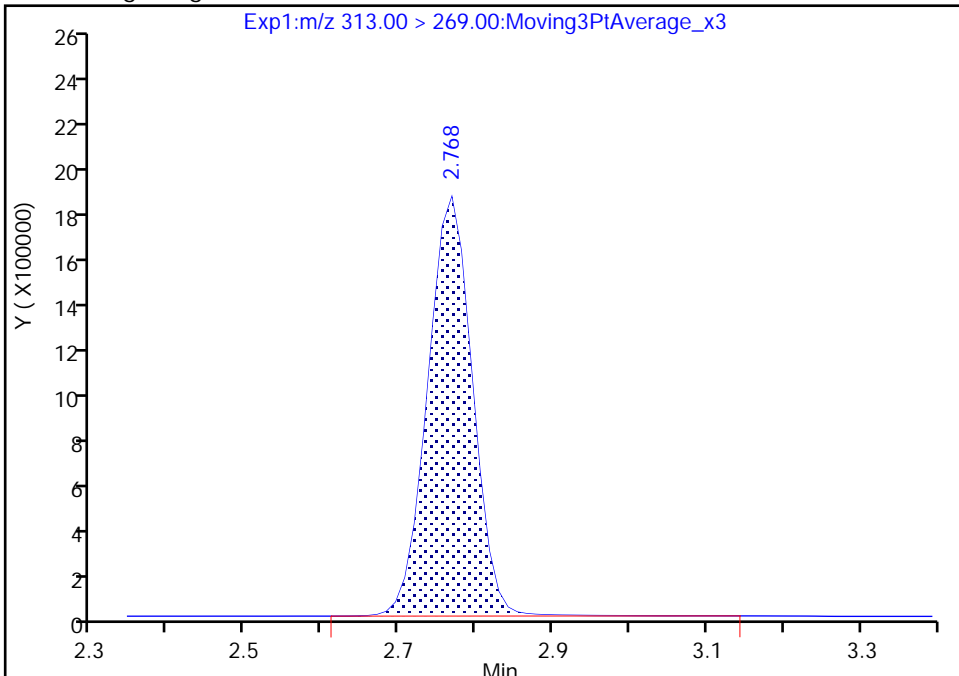
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

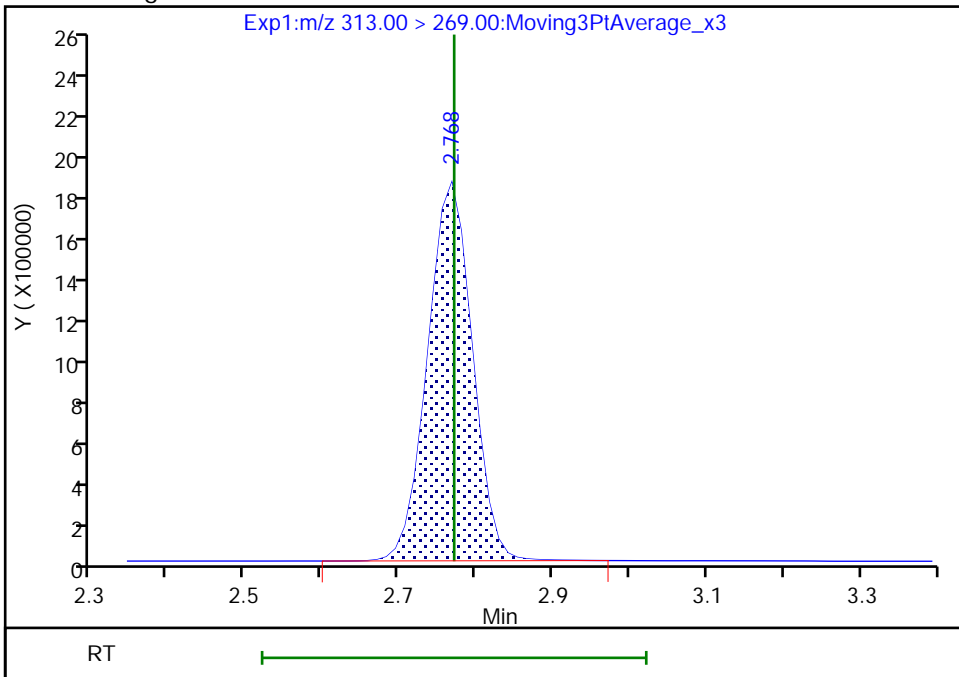
RT: 2.77  
Area: 7340146  
Amount: 10.071365  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 7316861  
Amount: 9.665643  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:14  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

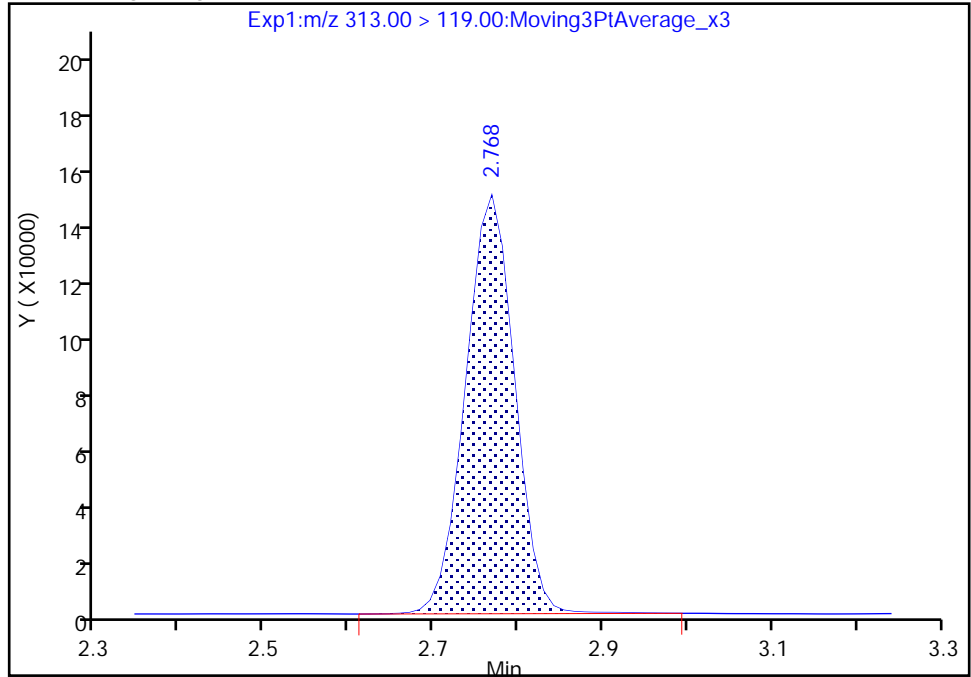
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

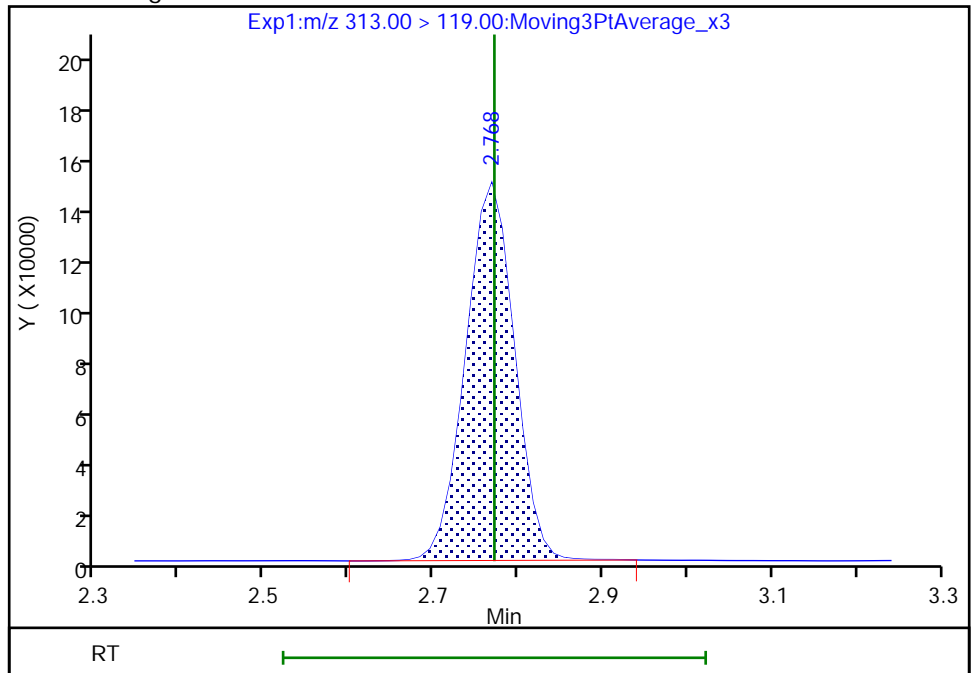
RT: 2.77  
Area: 602299  
Amount: 10.071365  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 600272  
Amount: 9.665643  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

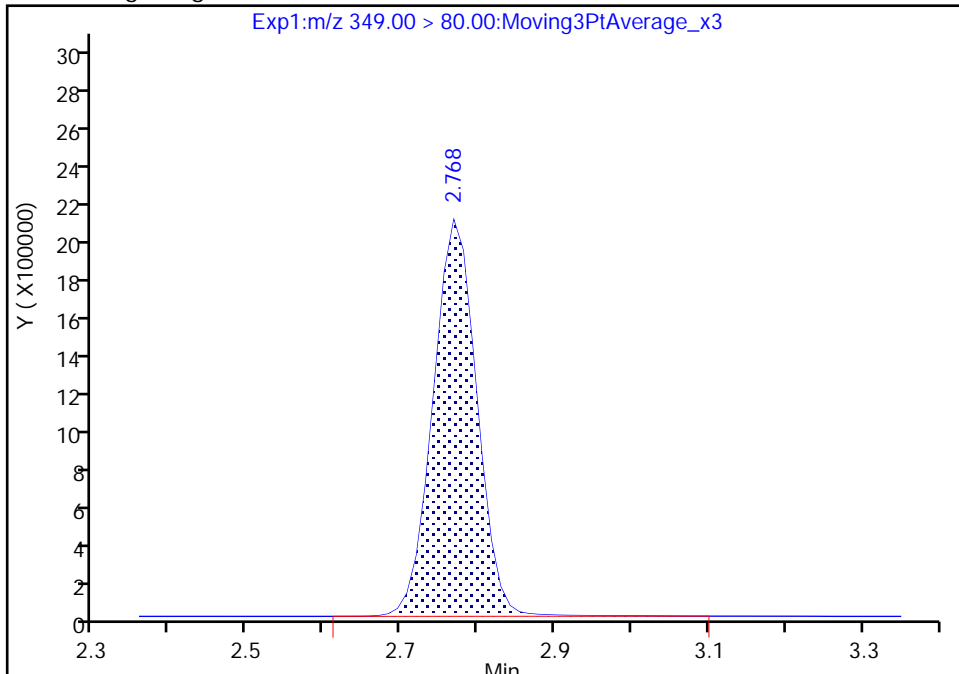
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

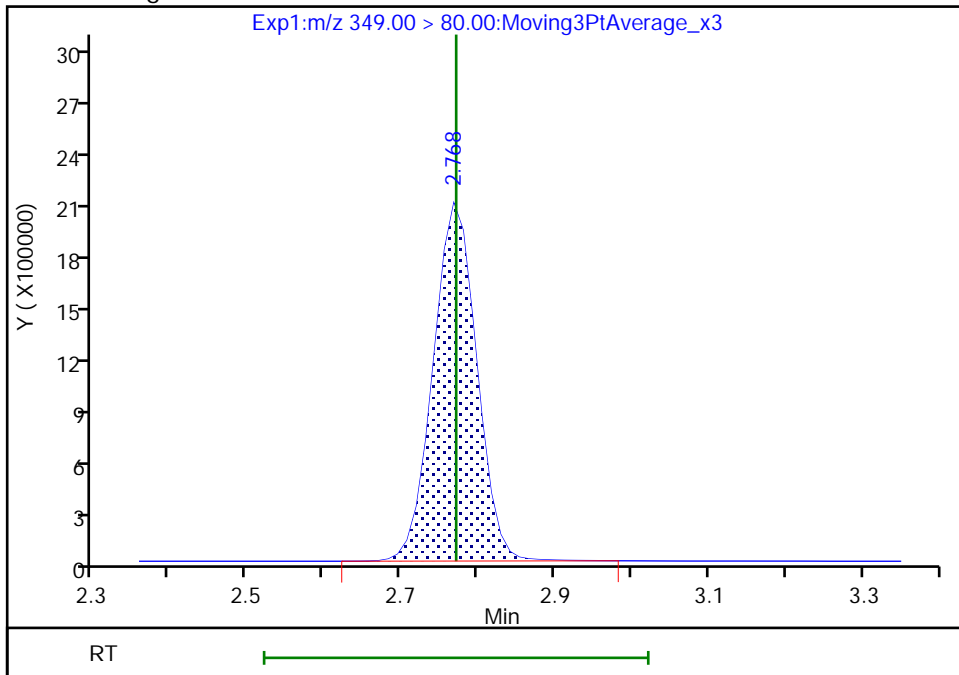
RT: 2.77  
Area: 8141354  
Amount: 9.412724  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 8114898  
Amount: 9.121450  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:27  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

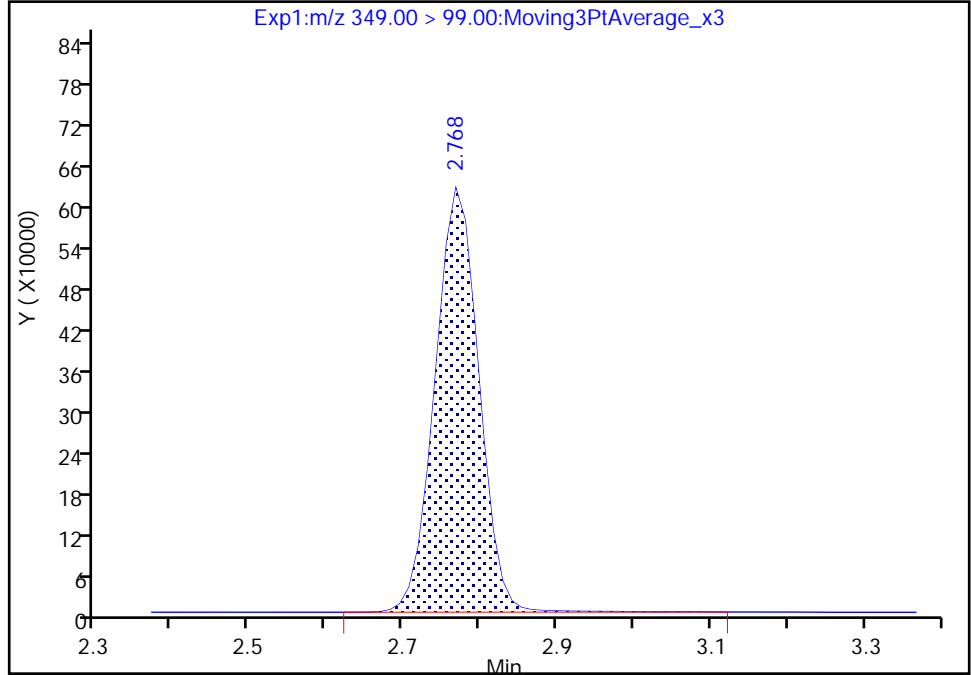
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Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

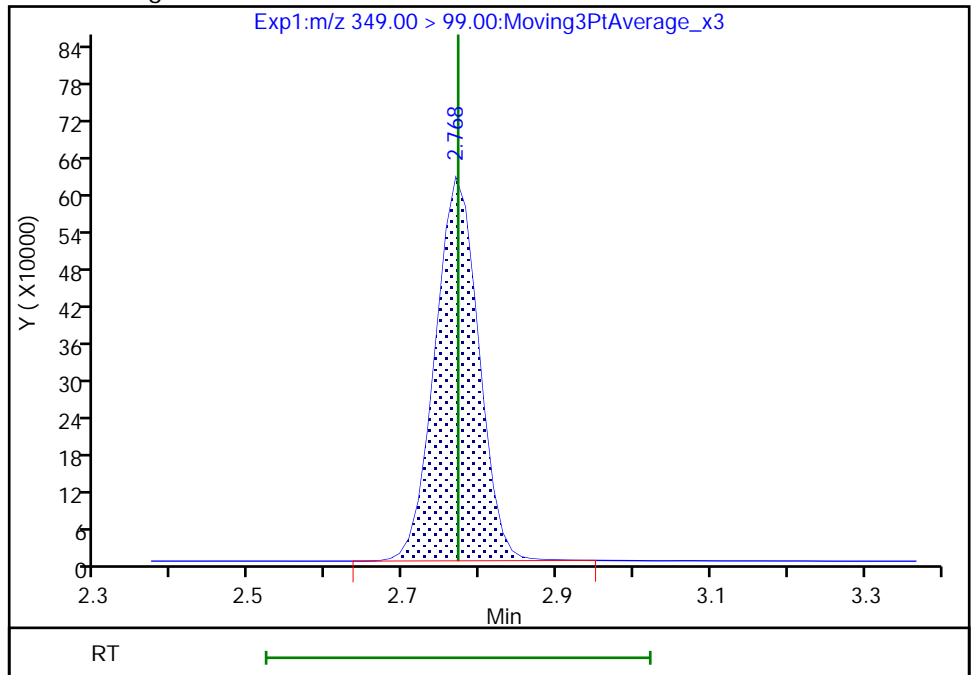
RT: 2.77  
Area: 2468153  
Amount: 9.412724  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 2455035  
Amount: 9.121450  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

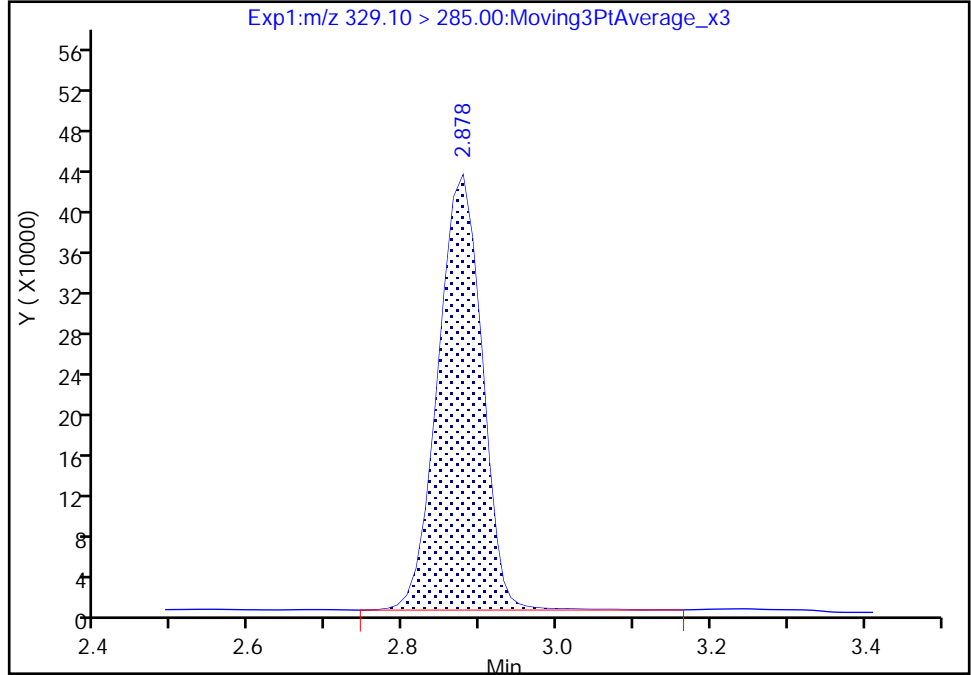
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

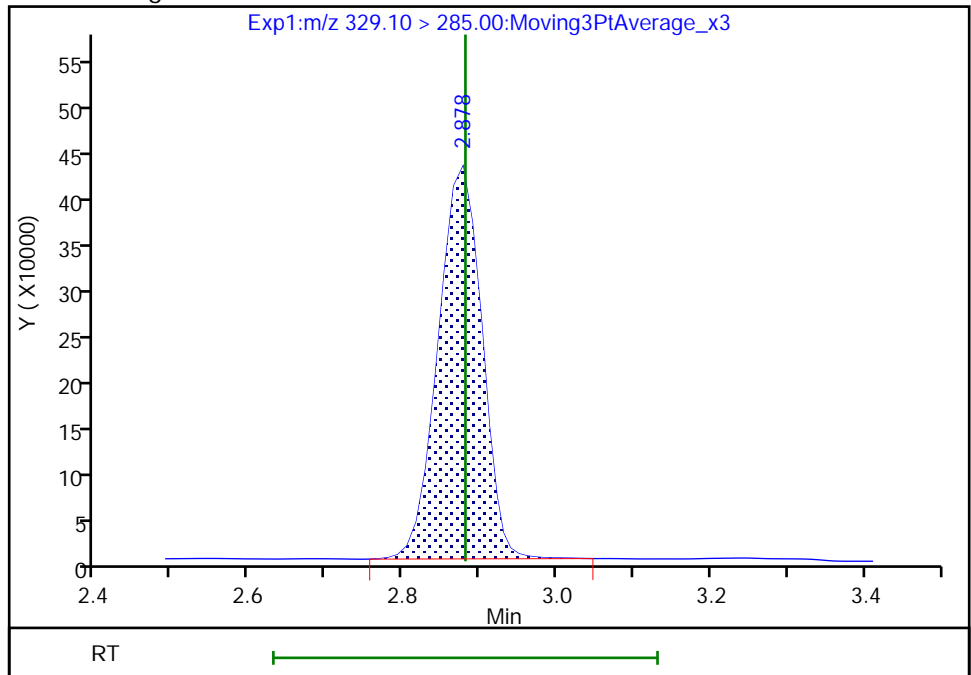
RT: 2.88  
Area: 1699465  
Amount: 10.481820  
Amount Units: ng/ml

Processing Integration Results



RT: 2.88  
Area: 1690983  
Amount: 10.920927  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

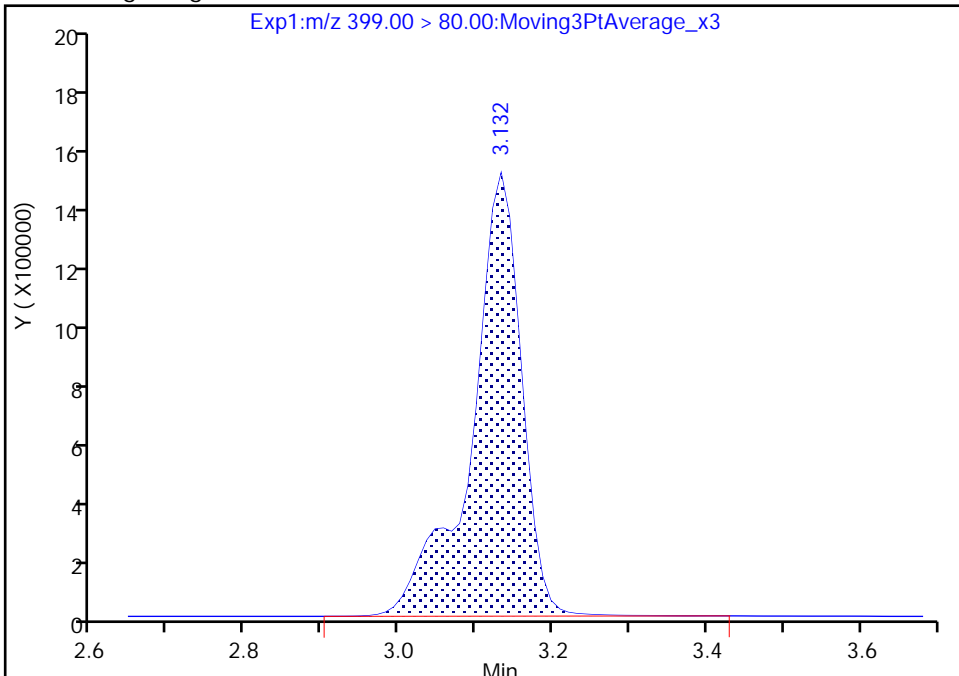
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

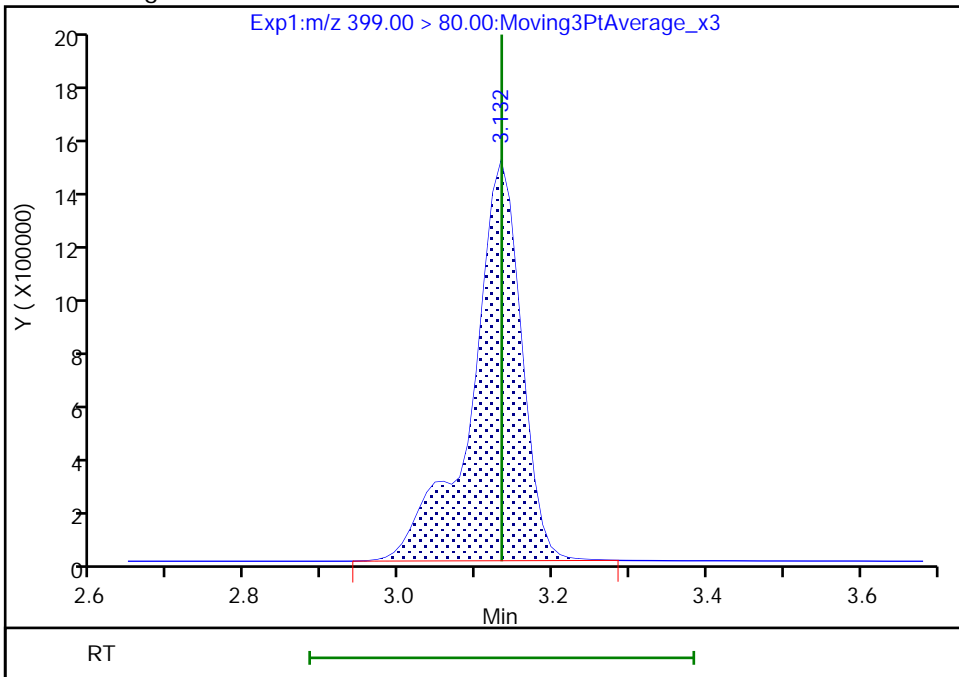
RT: 3.13  
Area: 6704374  
Amount: 9.072810  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 6676661  
Amount: 8.357156  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:46  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

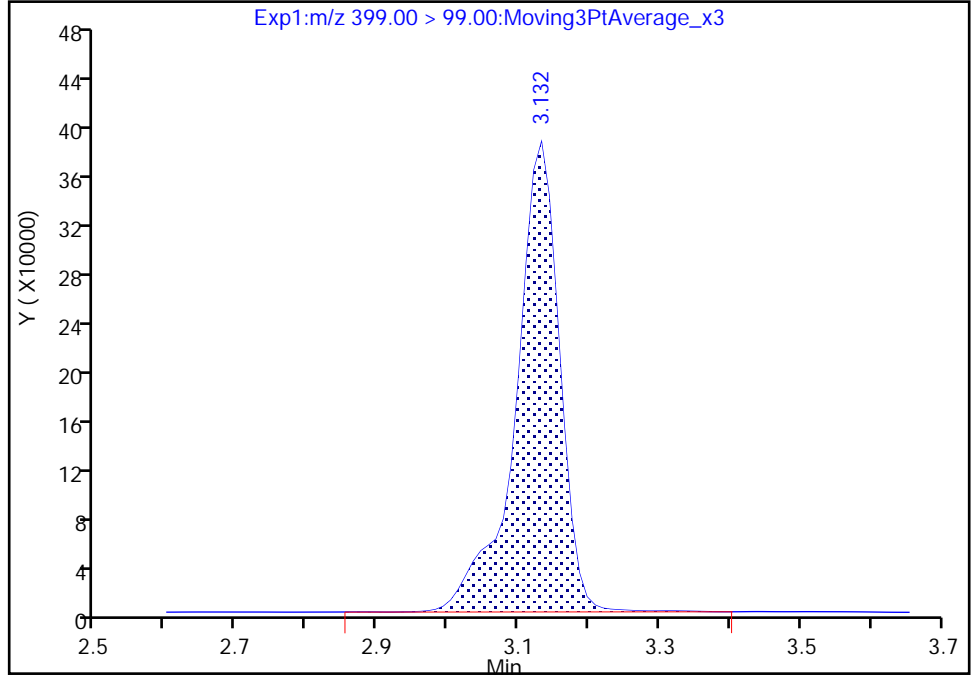
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

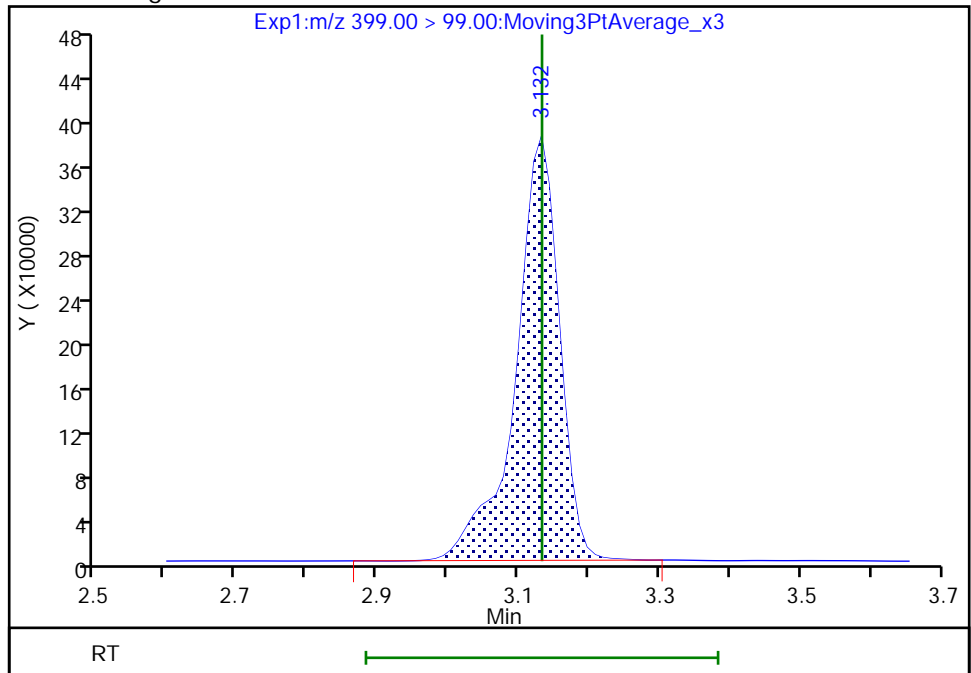
RT: 3.13  
Area: 1643683  
Amount: 9.072810  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 1631116  
Amount: 8.357156  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

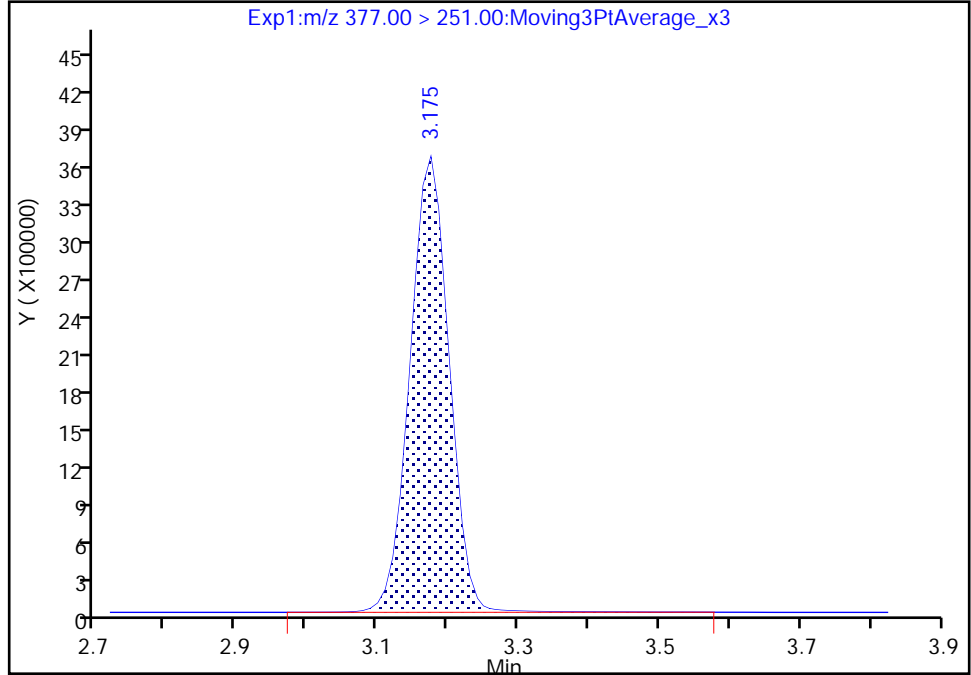
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

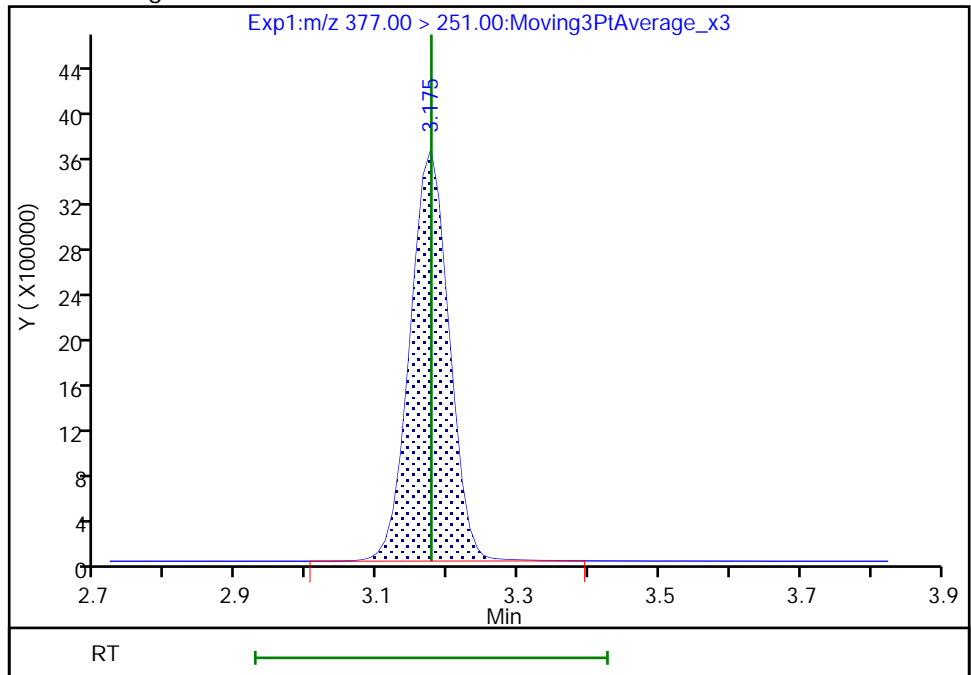
RT: 3.18  
Area: 13968604  
Amount: 9.315090  
Amount Units: ng/ml

Processing Integration Results



RT: 3.18  
Area: 13928638  
Amount: 8.998109  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:01:57  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

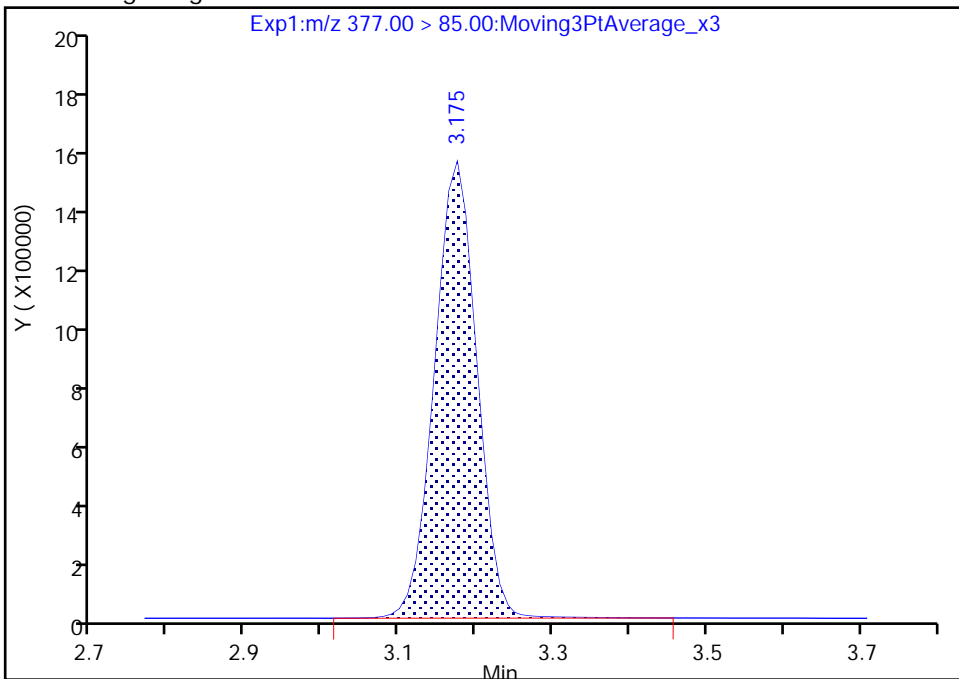
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

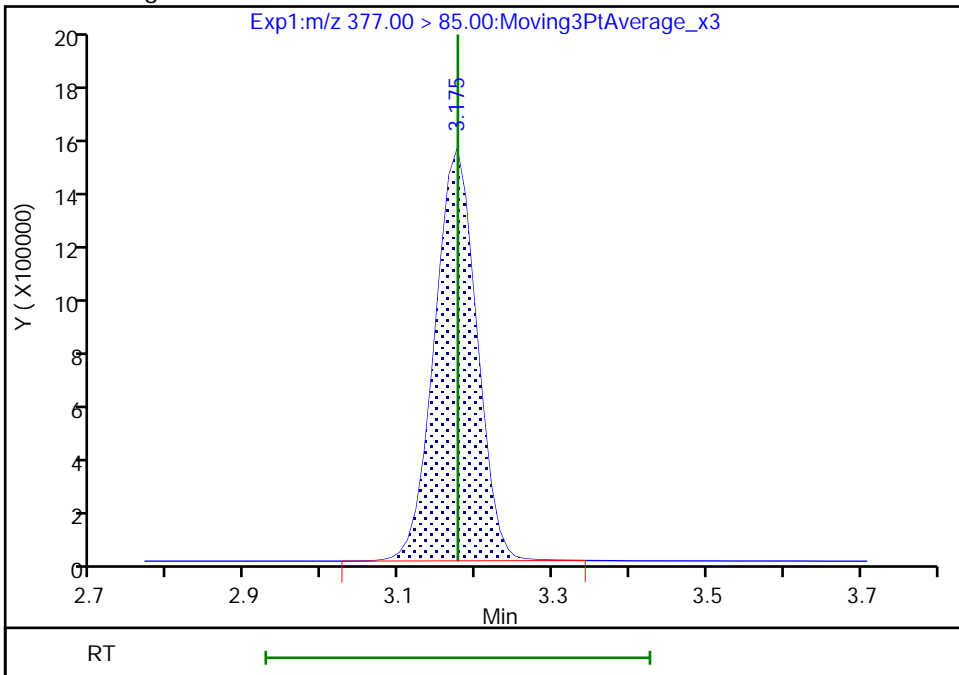
RT: 3.18  
Area: 5824120  
Amount: 9.315090  
Amount Units: ng/ml

Processing Integration Results



RT: 3.18  
Area: 5802950  
Amount: 8.998109  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

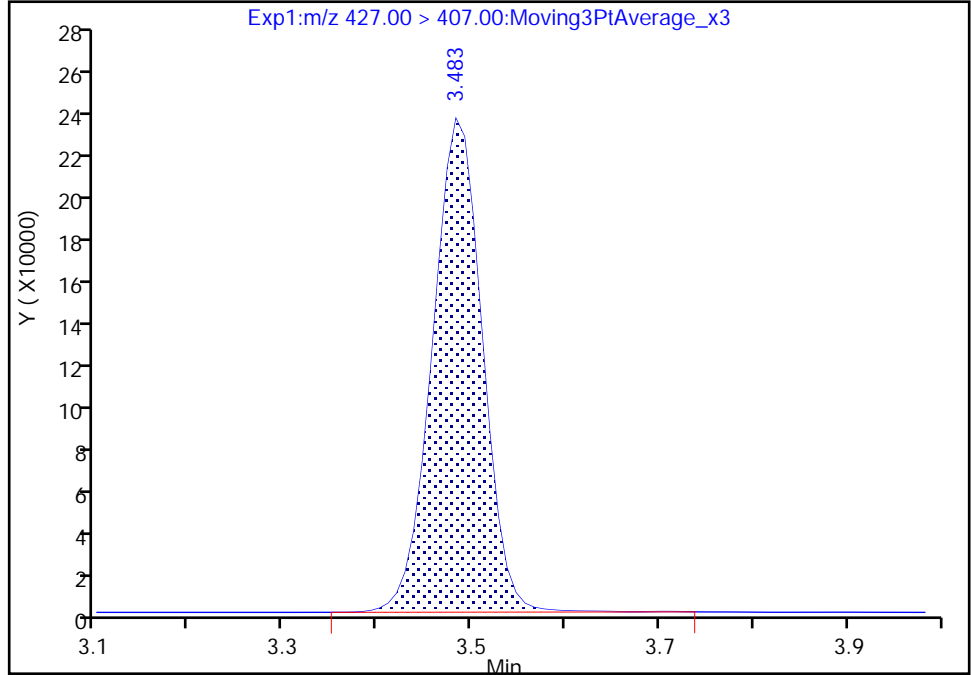
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

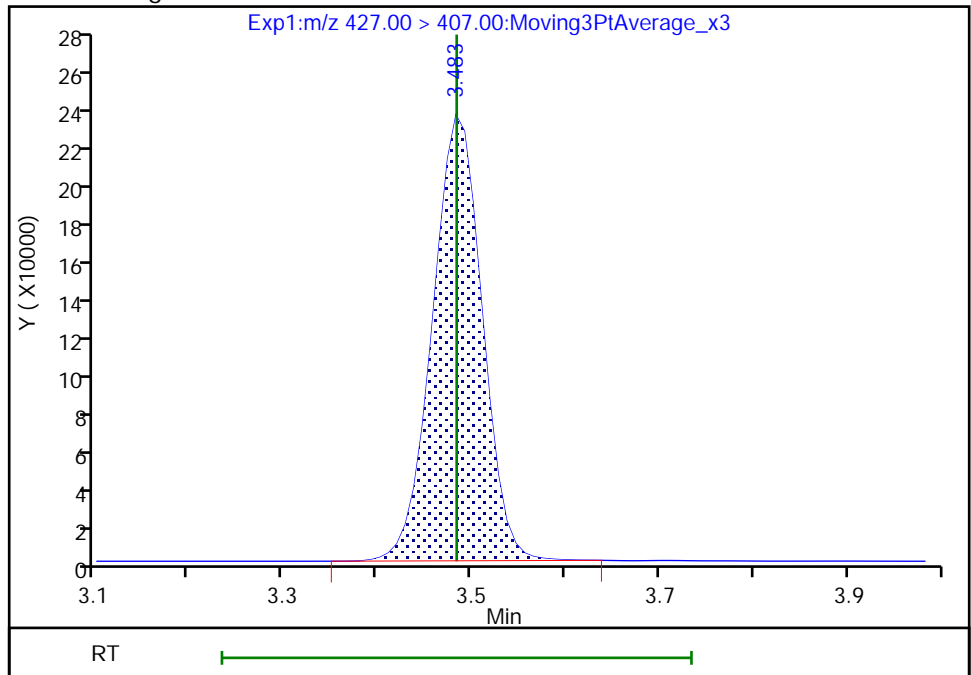
RT: 3.48  
Area: 857542  
Amount: 9.479520  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 854196  
Amount: 9.466413  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:20  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

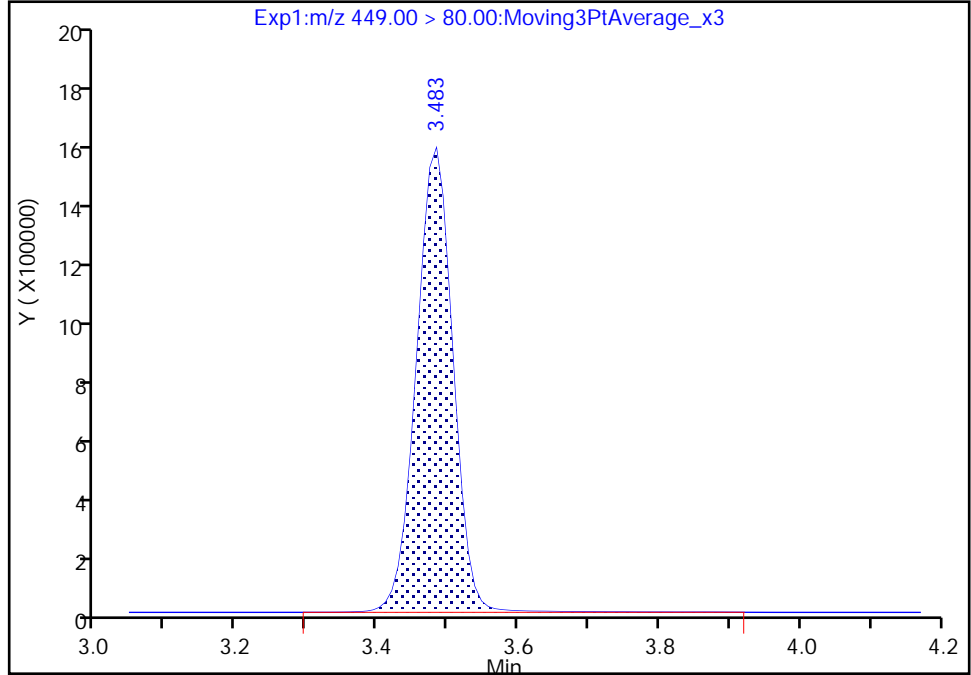
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

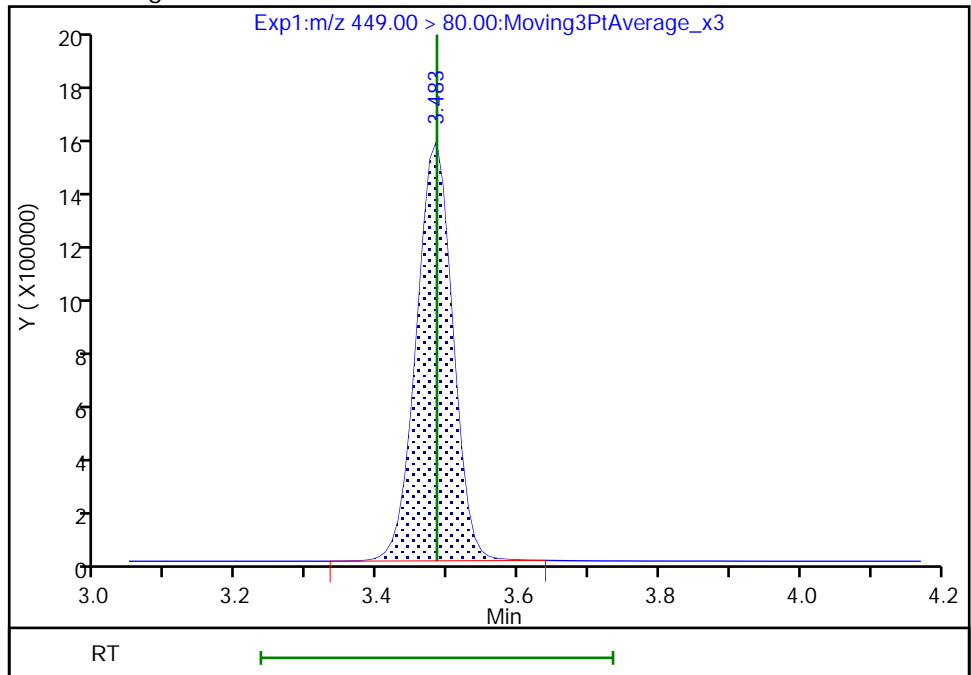
RT: 3.48  
Area: 5614949  
Amount: 9.491517  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 5572962  
Amount: 8.928842  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:08  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

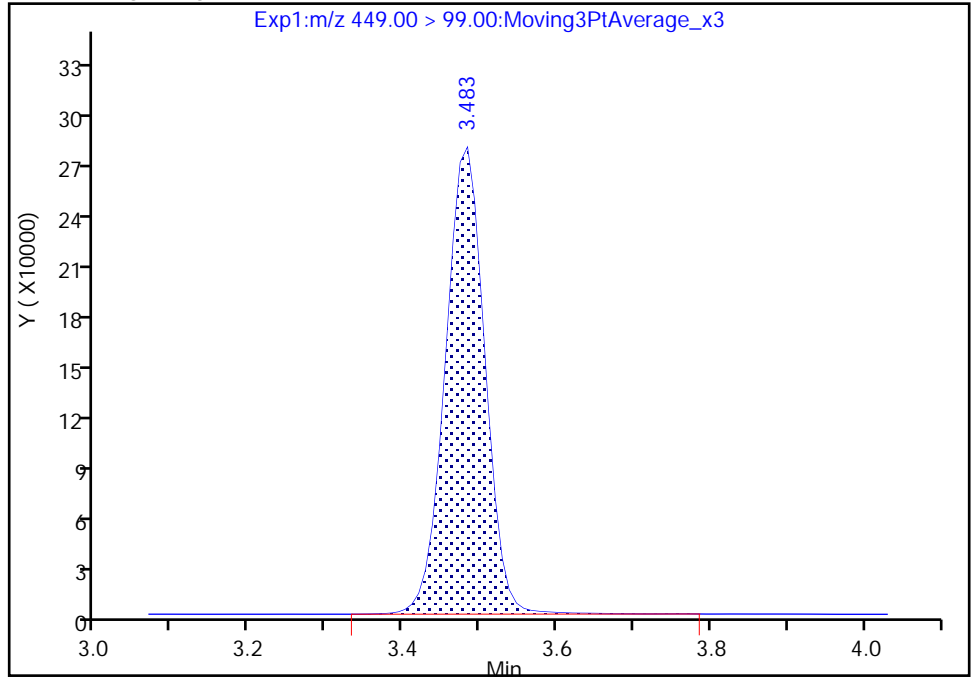
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

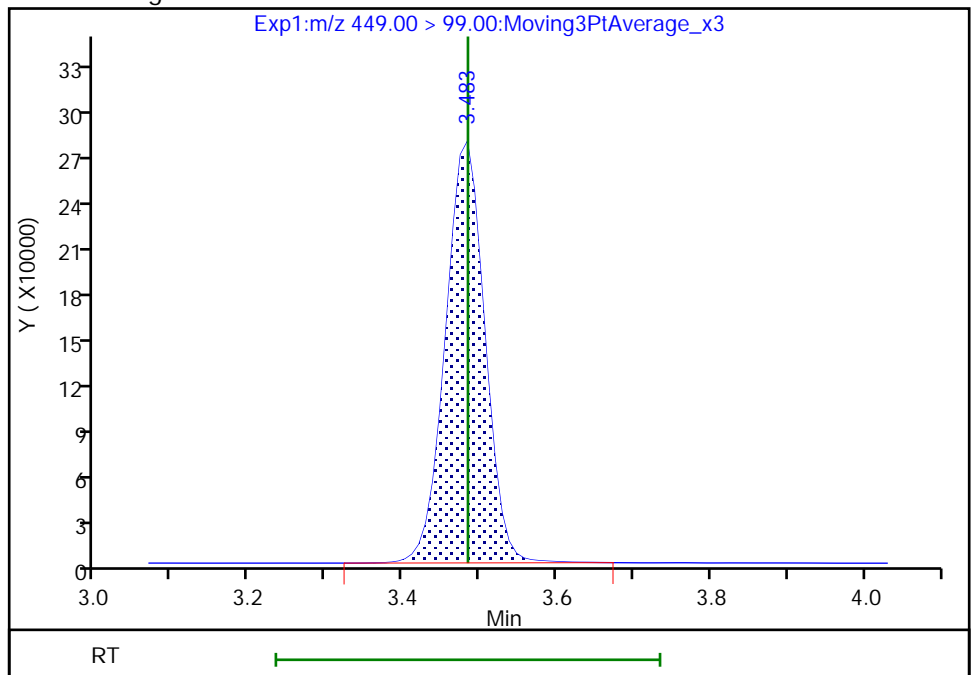
RT: 3.48  
Area: 967749  
Amount: 9.491517  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 965141  
Amount: 8.928842  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

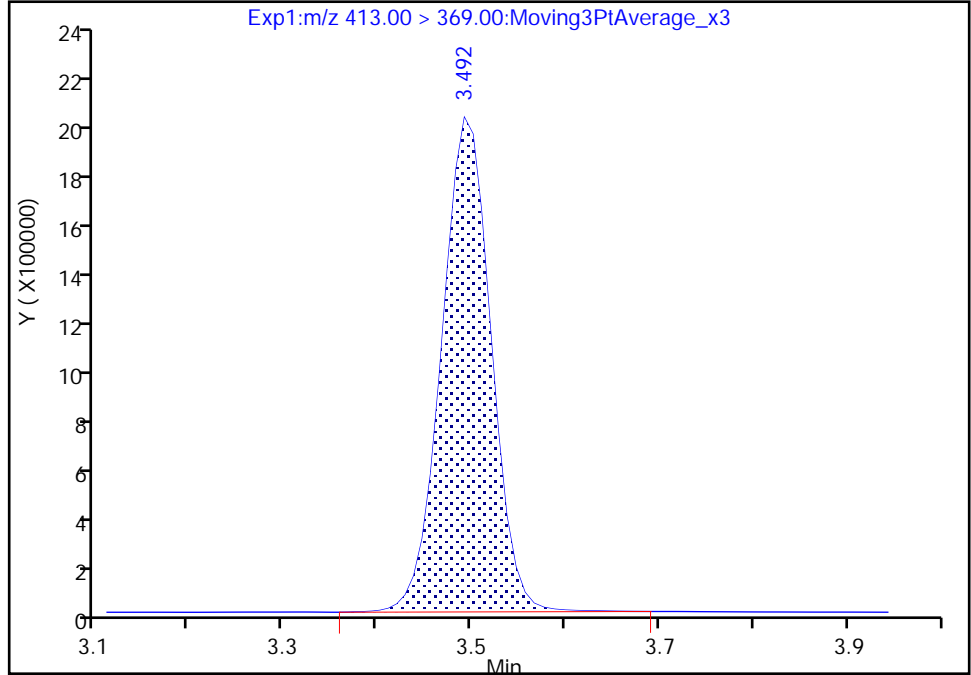
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

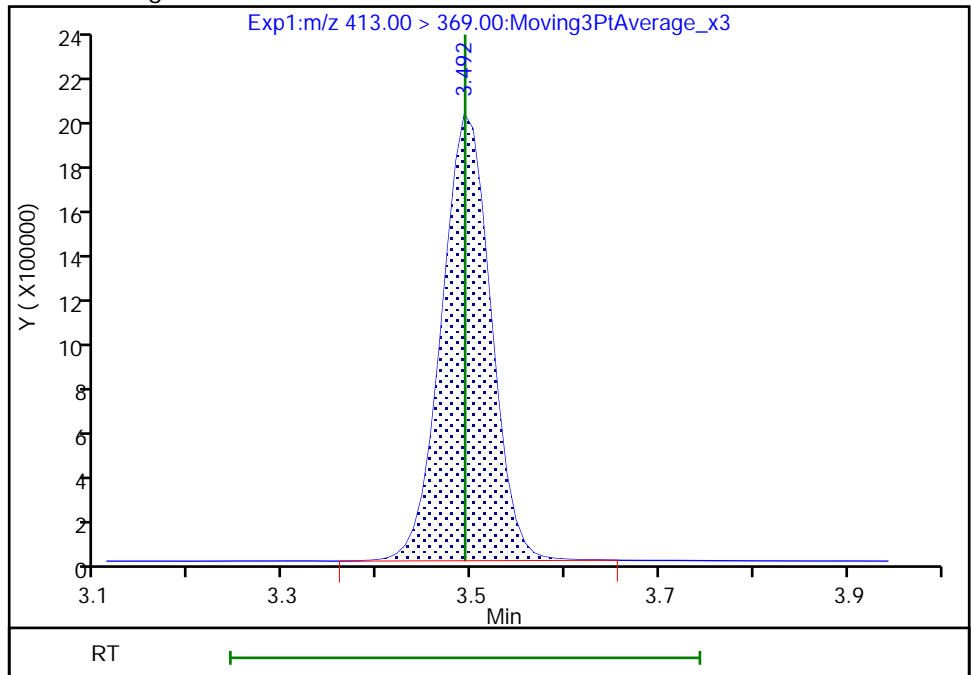
RT: 3.49  
Area: 7264133  
Amount: 10.101909  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 7252703  
Amount: 9.960263  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:31  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

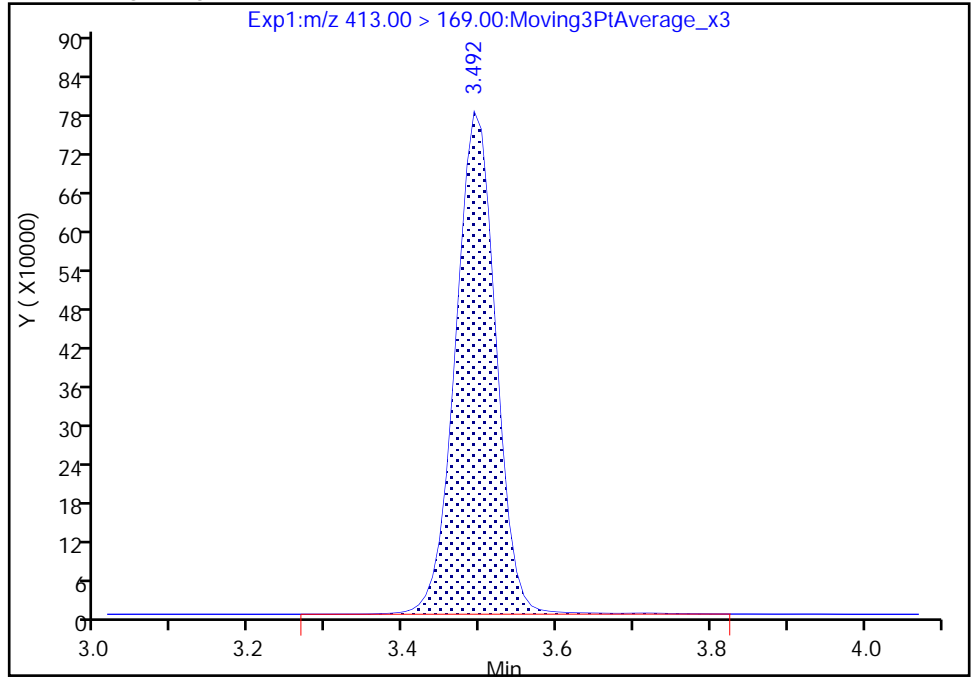
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

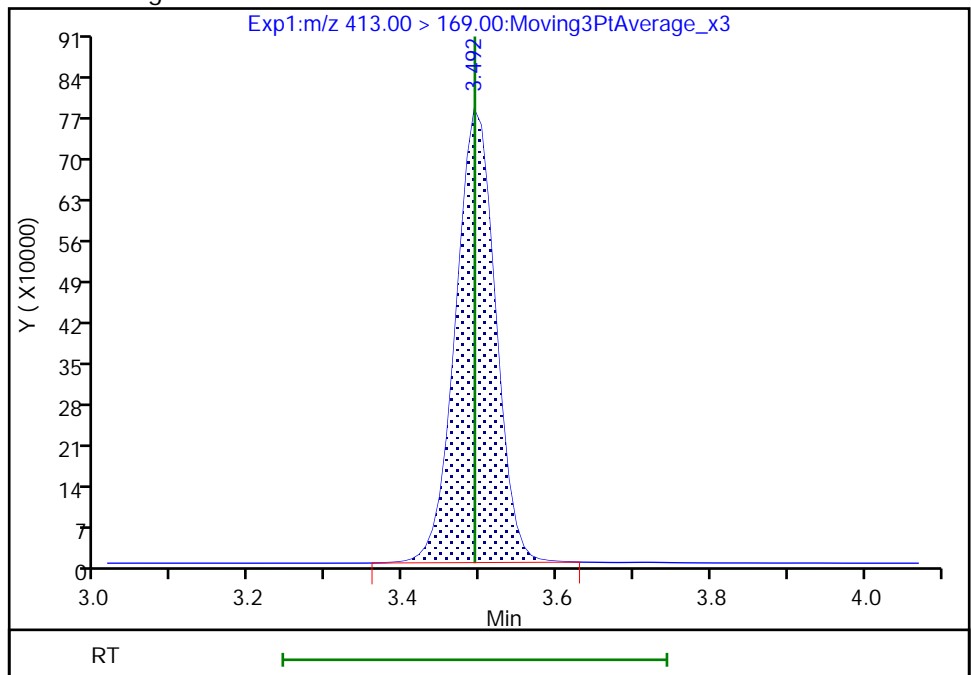
RT: 3.49  
Area: 2818415  
Amount: 10.101909  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 2794731  
Amount: 9.960263  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

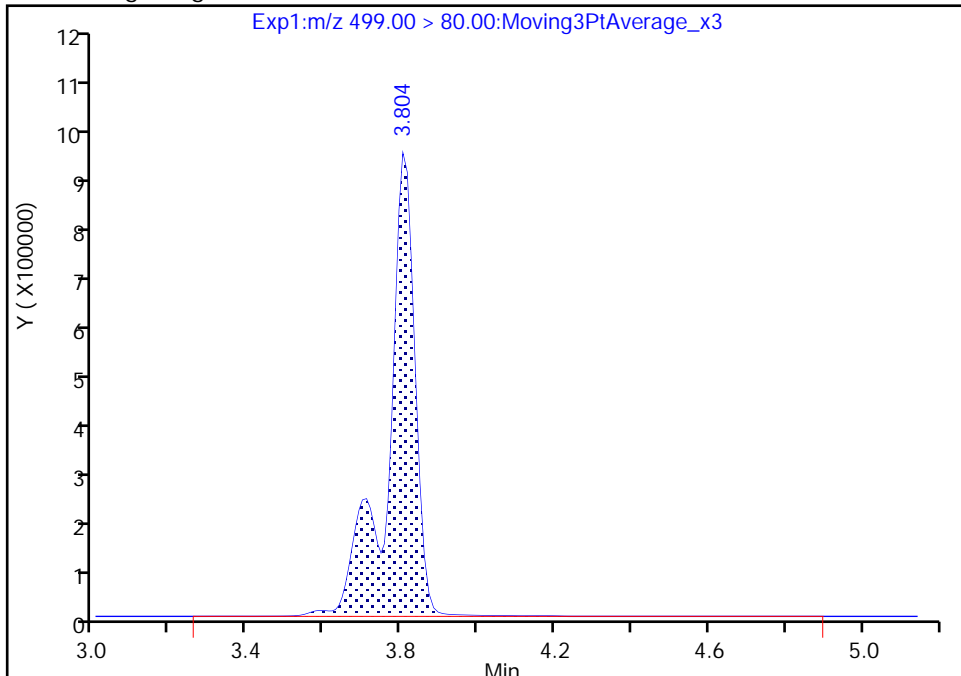
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

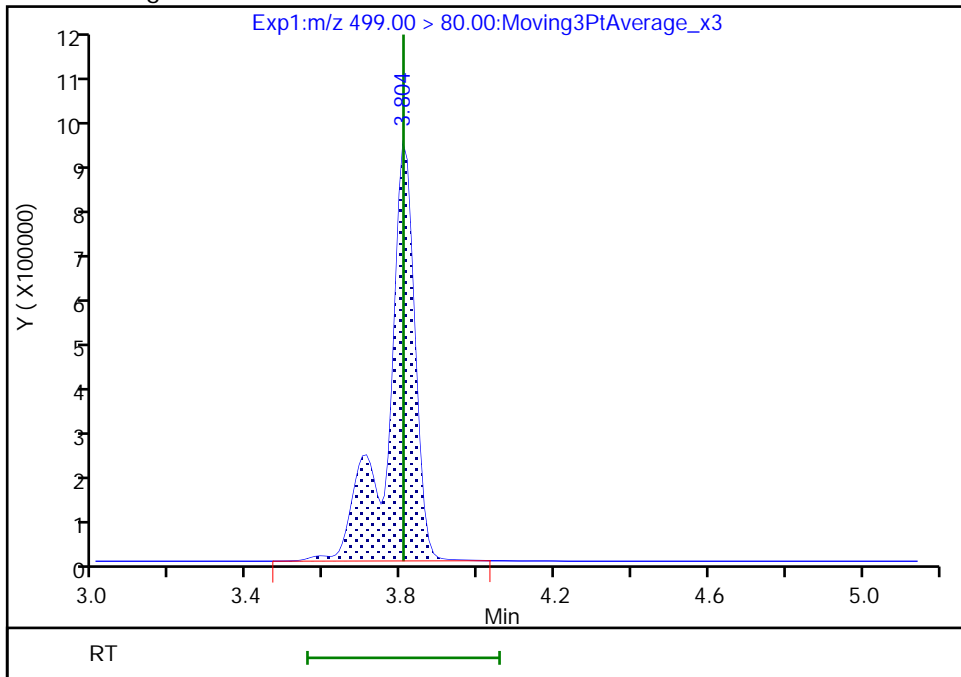
RT: 3.80  
Area: 4689022  
Amount: 9.277509  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 4659375  
Amount: 8.763764  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:44  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

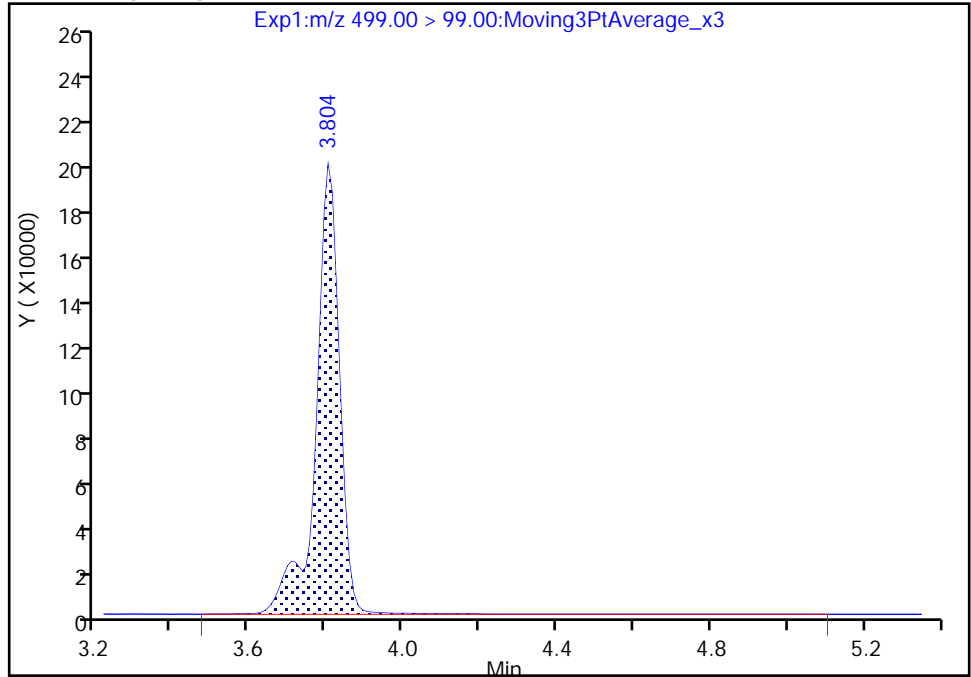
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

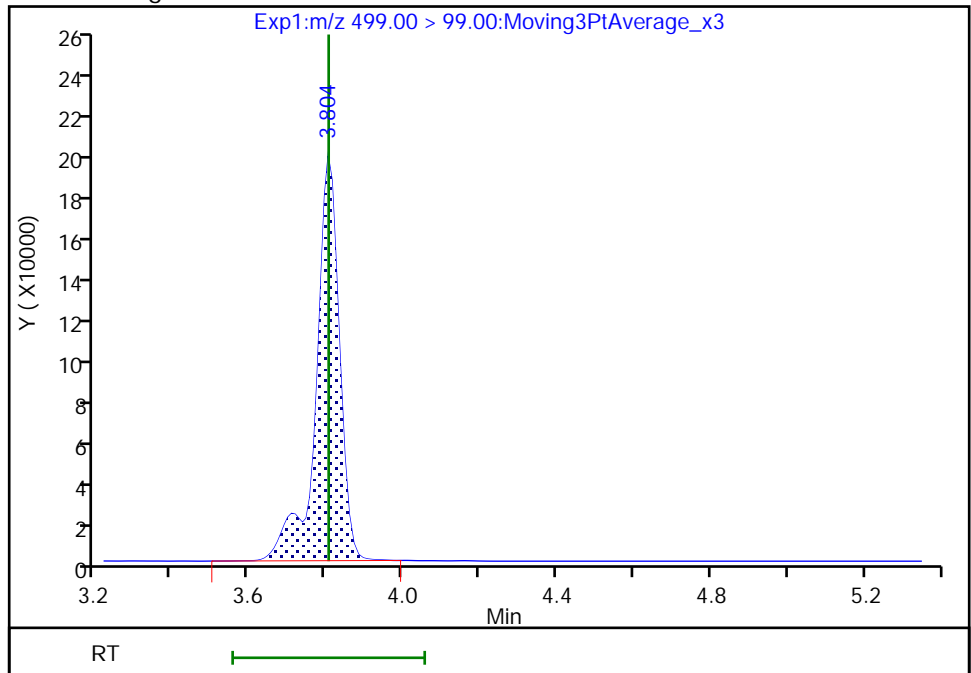
RT: 3.80  
Area: 837352  
Amount: 9.277509  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 828174  
Amount: 8.763764  
Amount Units: ng/ml

Manual Integration Results



Eurofins TestAmerica, Burlington

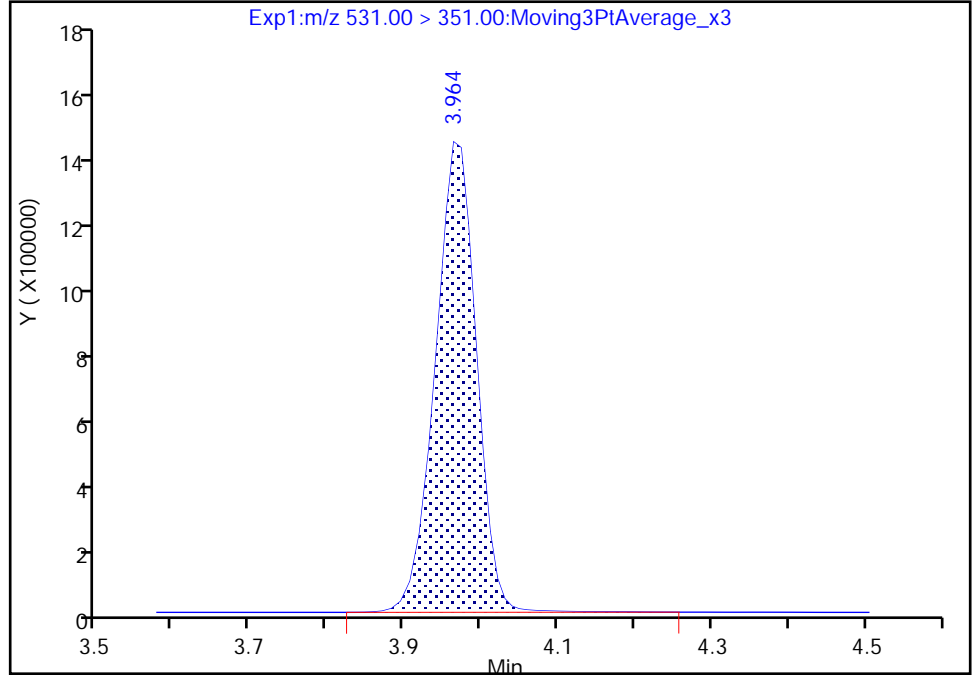
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

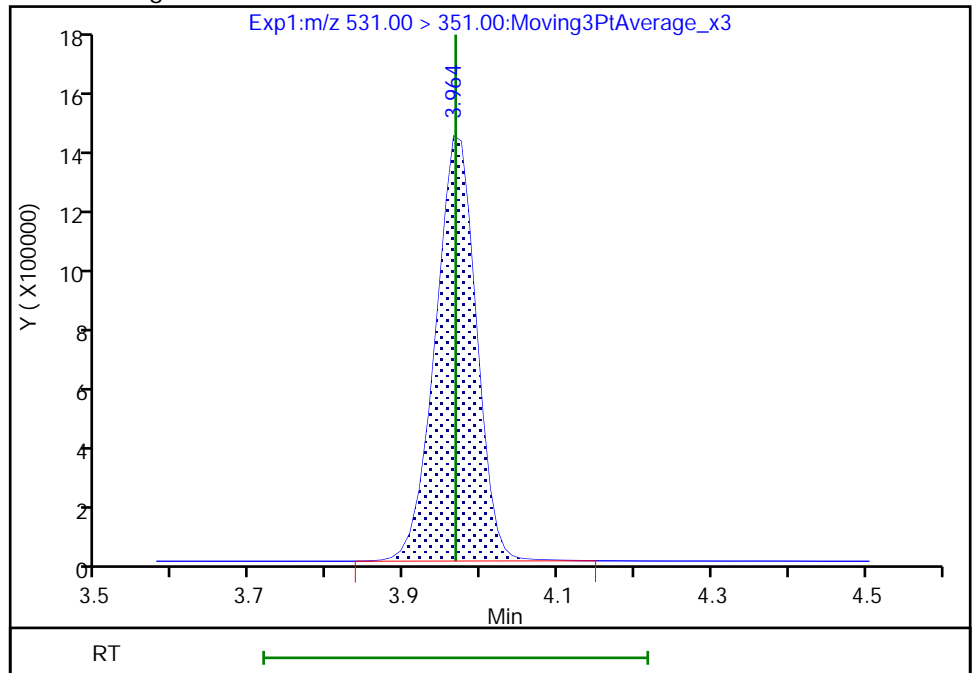
RT: 3.96  
Area: 5277681  
Amount: 9.196032  
Amount Units: ng/ml

Processing Integration Results



RT: 3.96  
Area: 5263362  
Amount: 8.872886  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:02:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

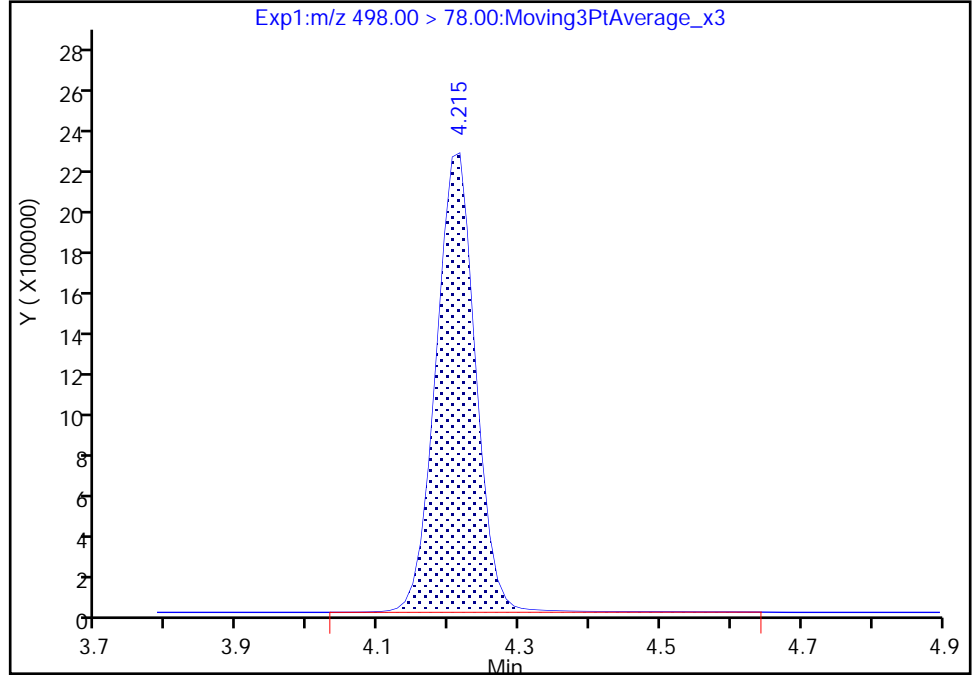
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

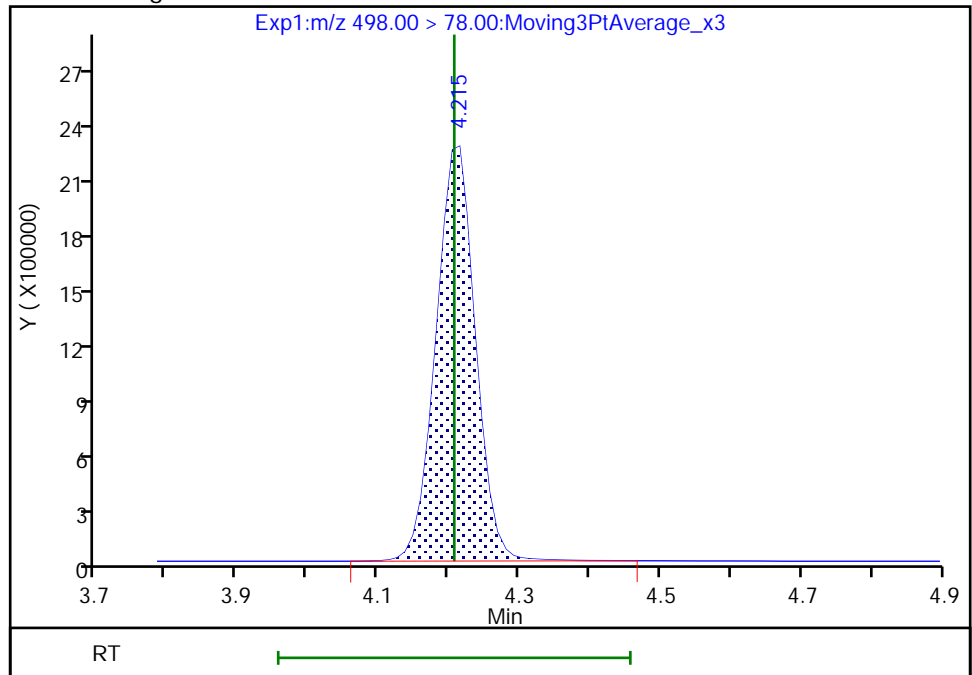
RT: 4.21  
Area: 8695535  
Amount: 9.886059  
Amount Units: ng/ml

Processing Integration Results



RT: 4.21  
Area: 8663983  
Amount: 9.723361  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:03:09  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

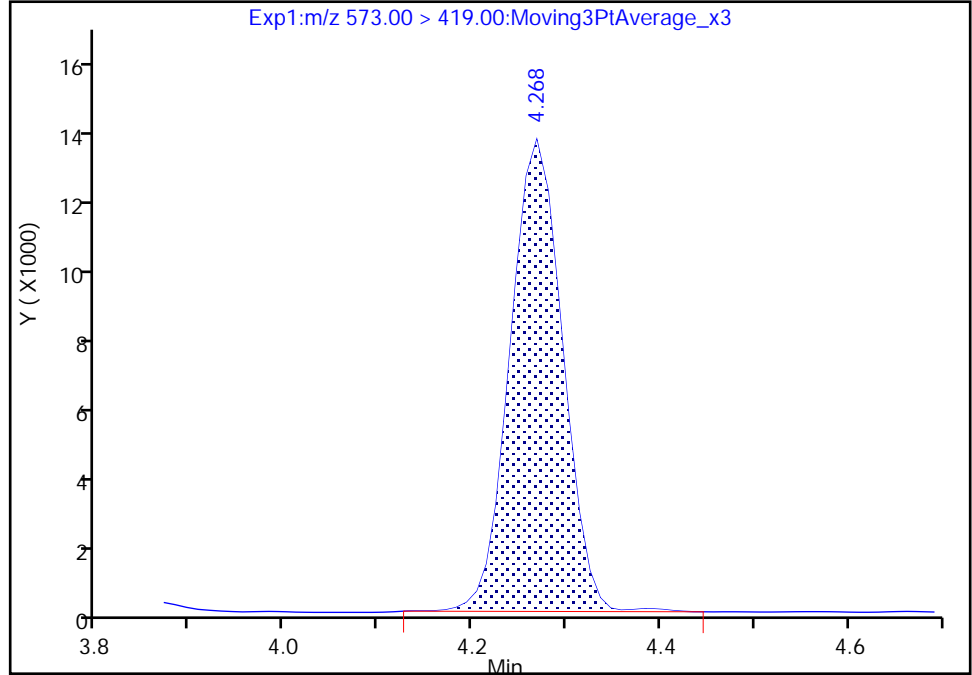
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

**D 27 d3-NMeFOSAA, CAS: STL02118**  
Signal: 1

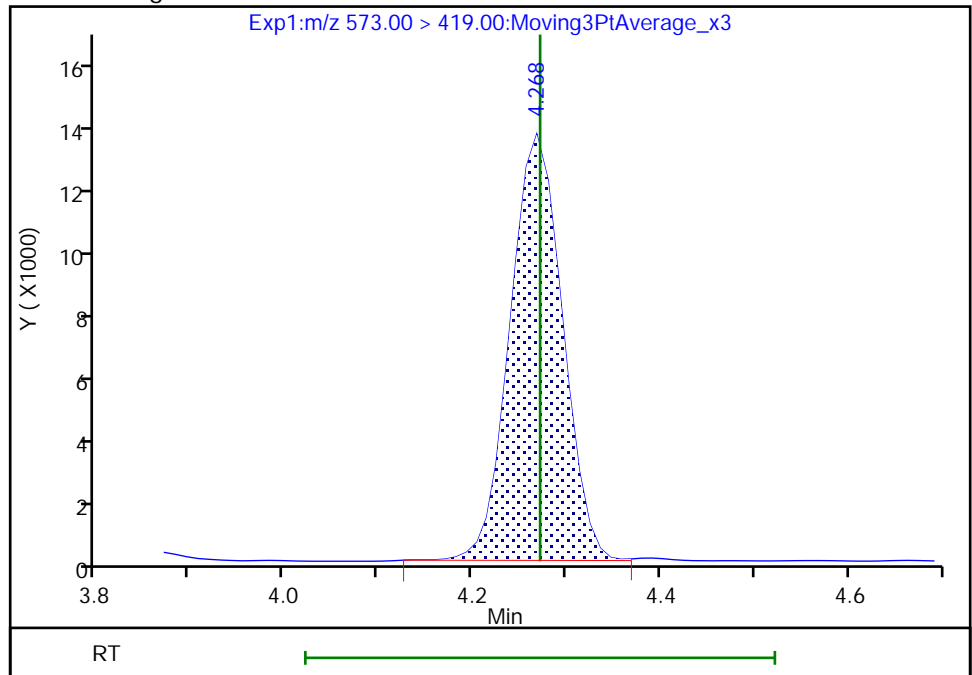
RT: 4.27  
Area: 53040  
Amount: 1.285415  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 52838  
Amount: 1.281356  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:03:23  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

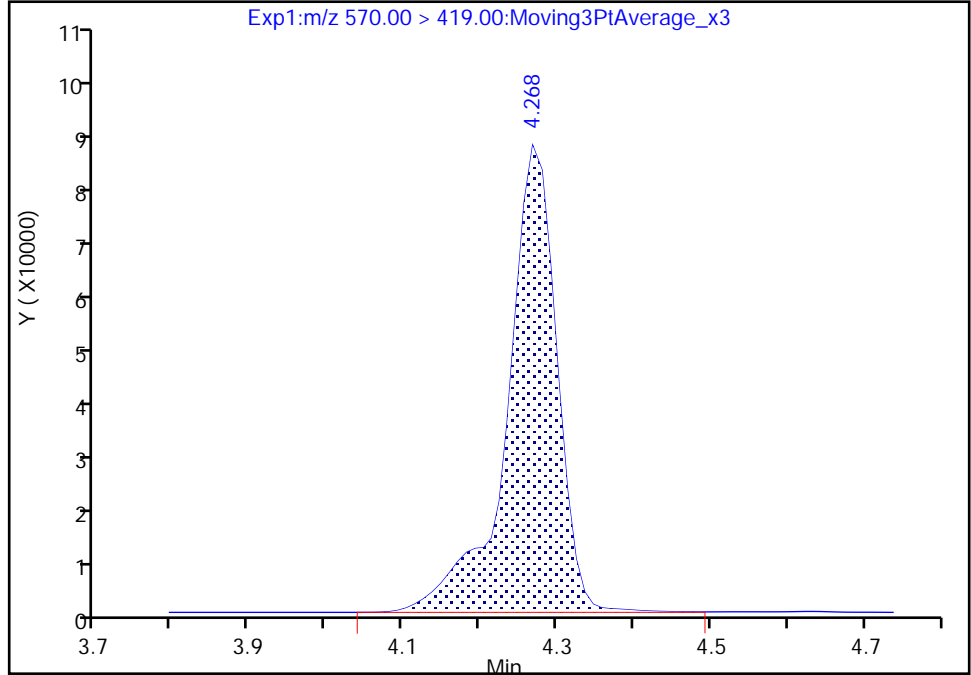
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

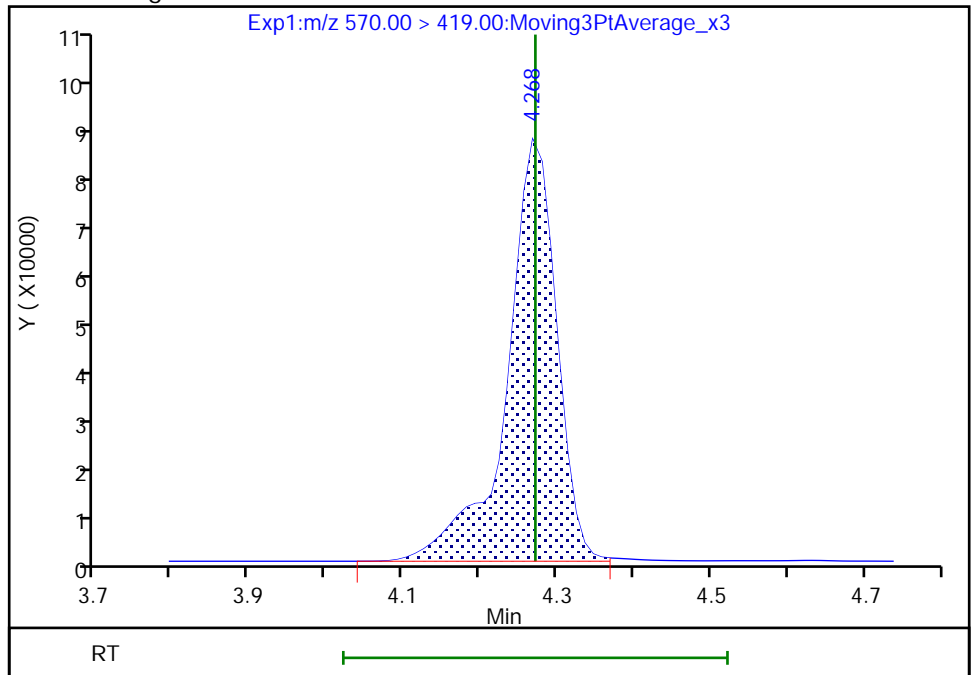
RT: 4.27  
Area: 391936  
Amount: 10.110192  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 390016  
Amount: 10.409562  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:03:36  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

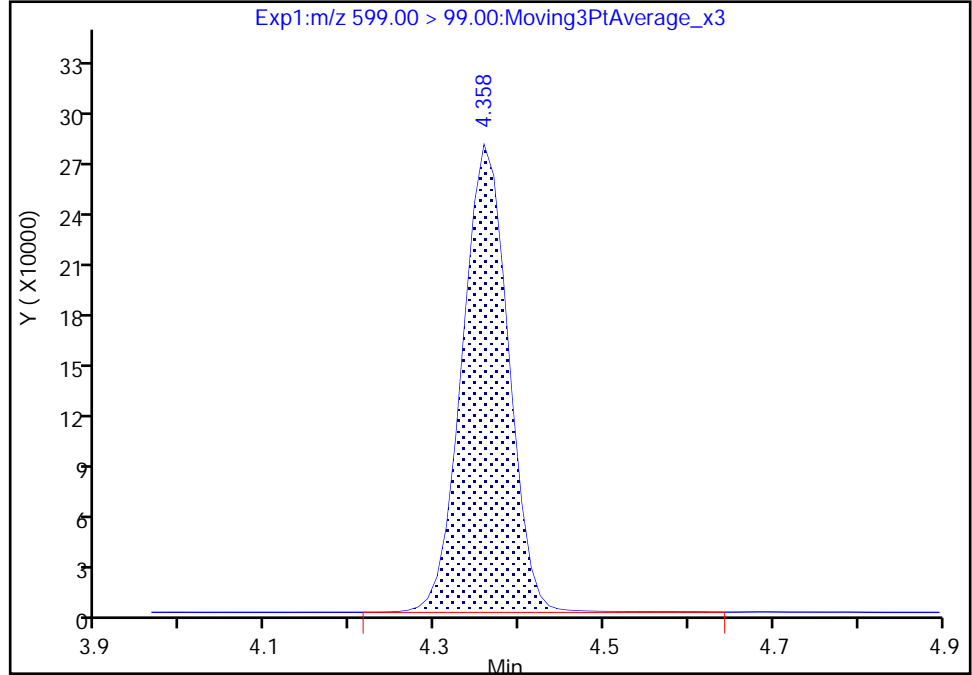
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

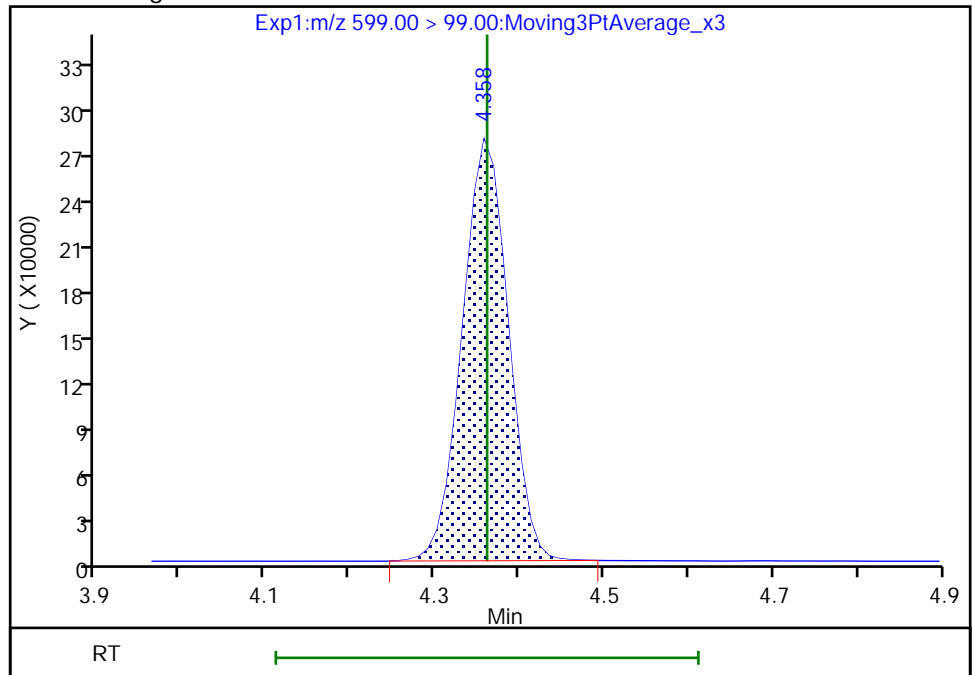
RT: 4.36  
Area: 1051372  
Amount: 9.528663  
Amount Units: ng/ml

Processing Integration Results



RT: 4.36  
Area: 1043601  
Amount: 9.160012  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:03:46  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

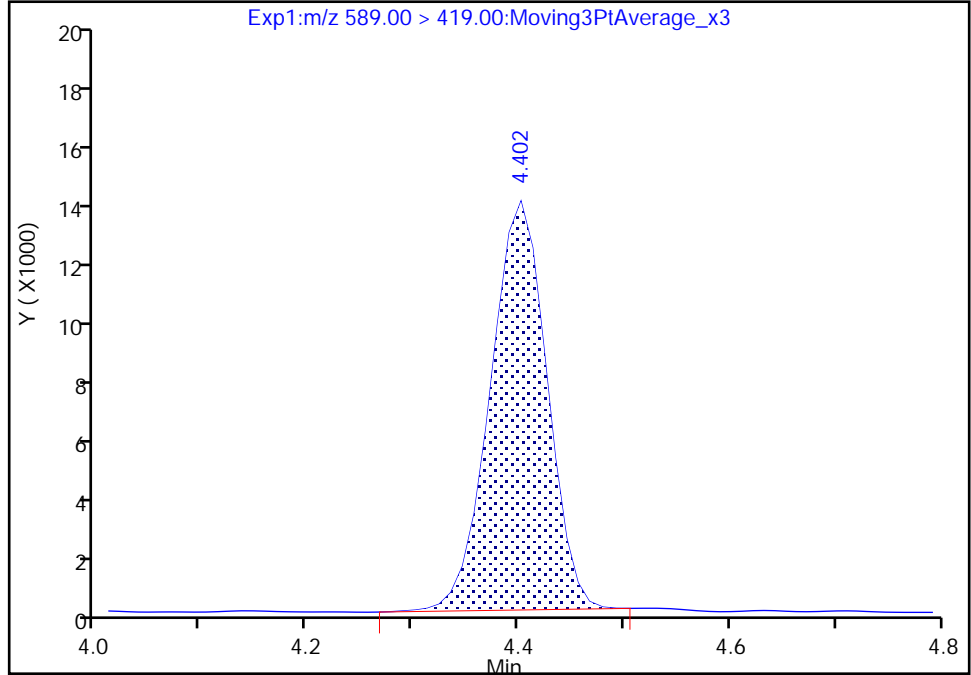
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117  
Signal: 1

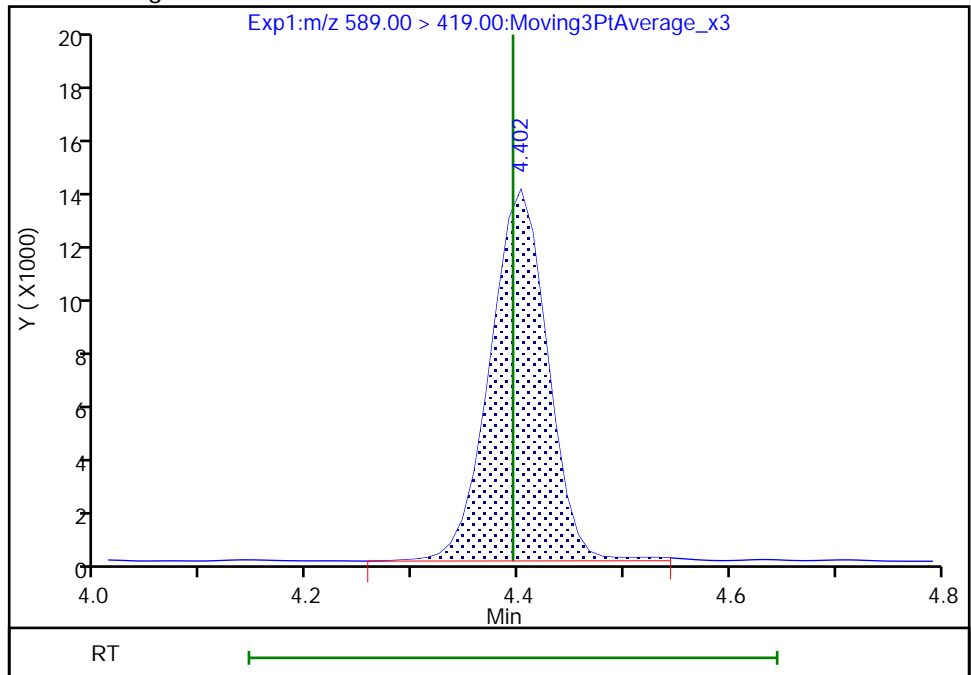
RT: 4.40  
Area: 51255  
Amount: 1.290797  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 52405  
Amount: 1.314682  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:04:04  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

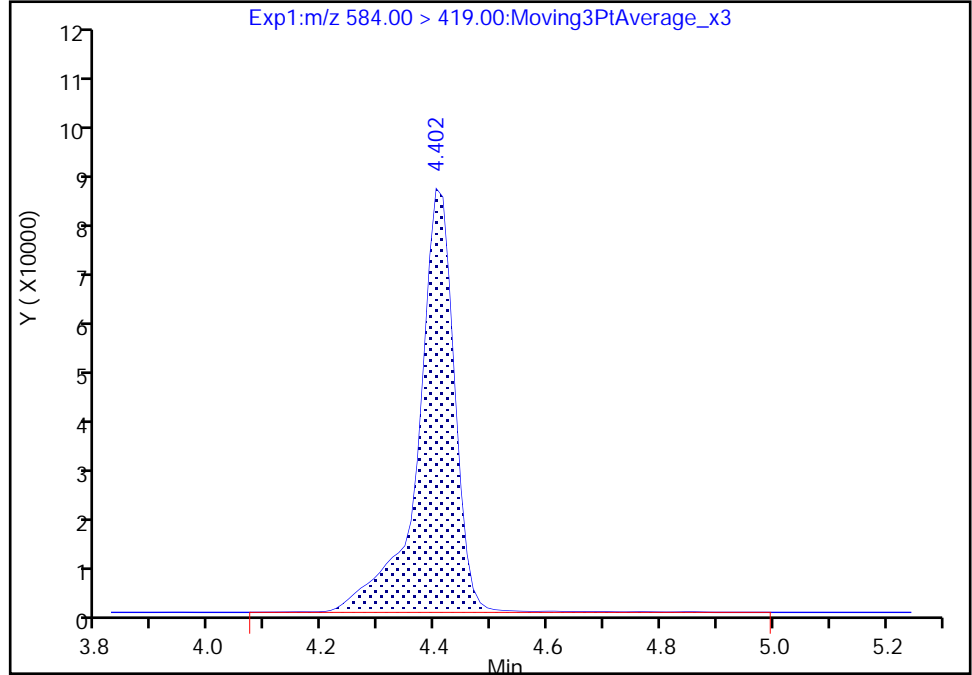
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

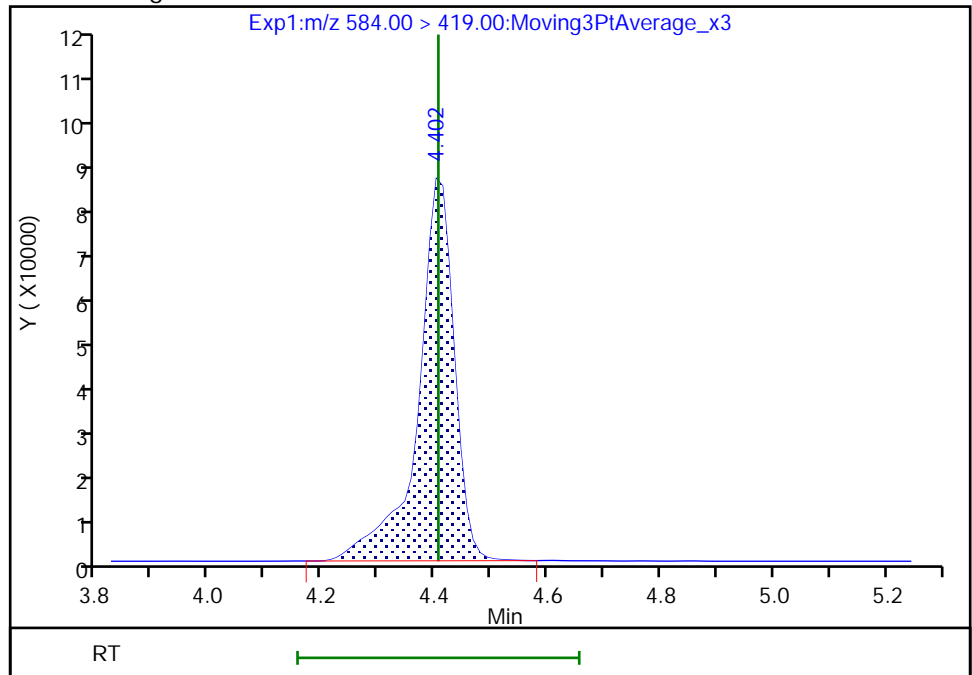
RT: 4.40  
Area: 359681  
Amount: 9.767456  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 355914  
Amount: 9.170908  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:04:17  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

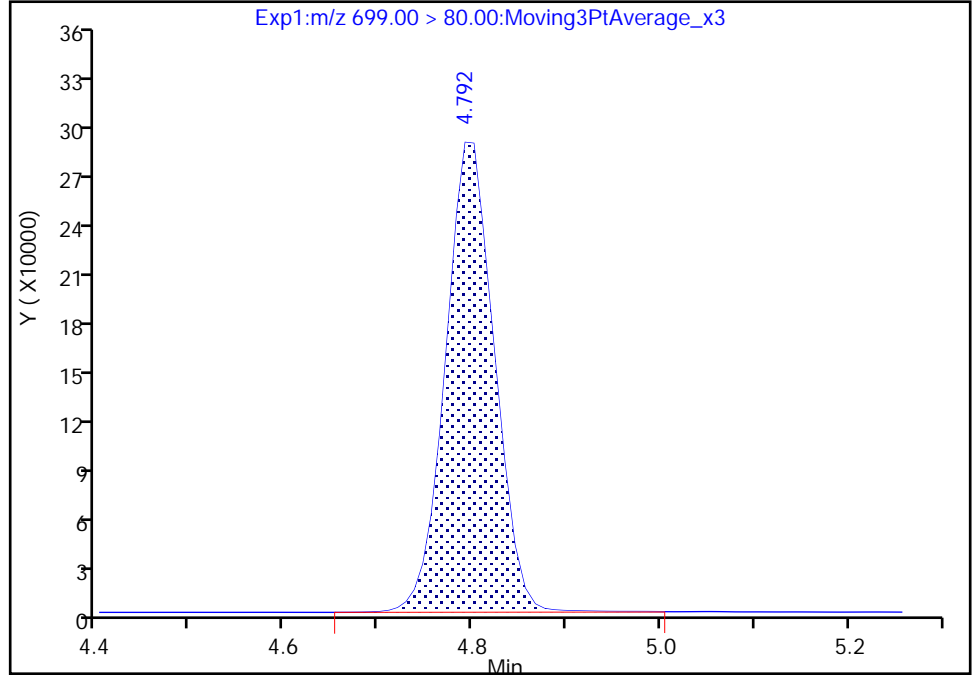
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

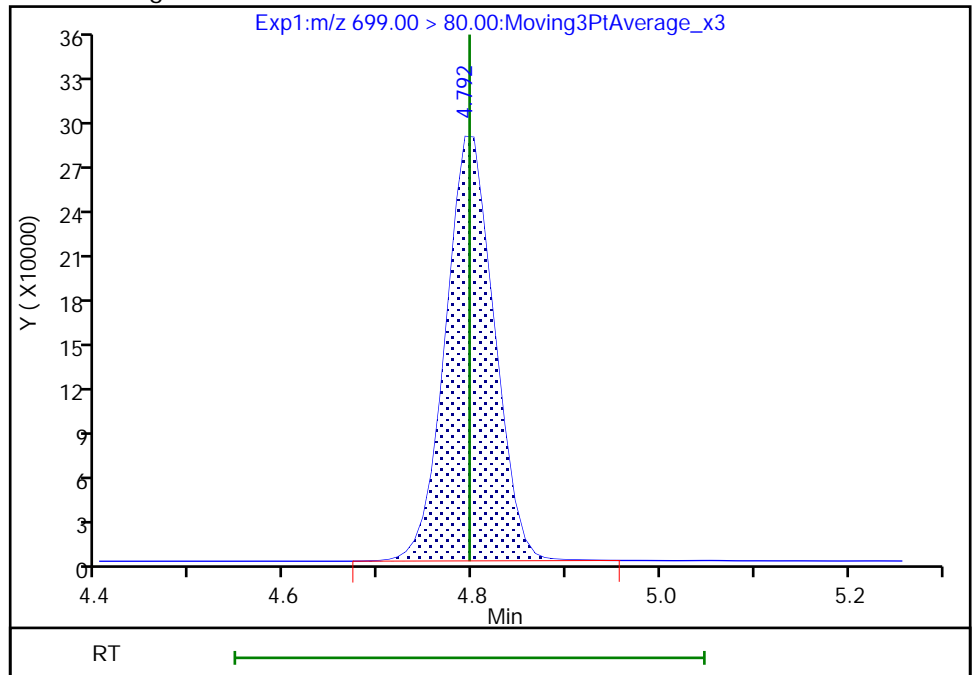
RT: 4.79  
Area: 1023317  
Amount: 8.781133  
Amount Units: ng/ml

Processing Integration Results



RT: 4.79  
Area: 1019532  
Amount: 8.762818  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:28:52  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

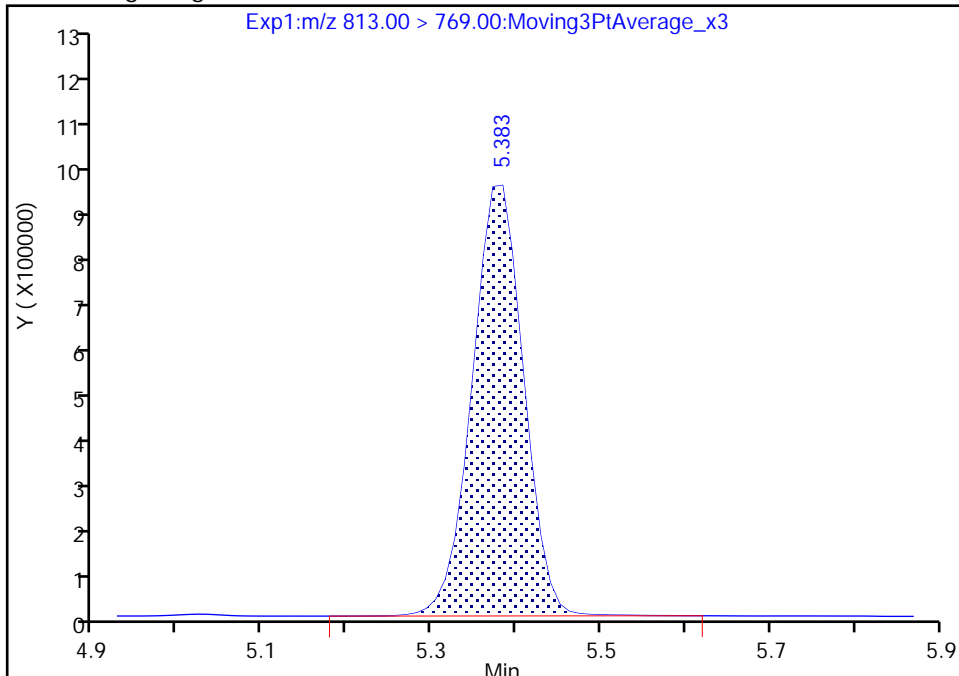
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

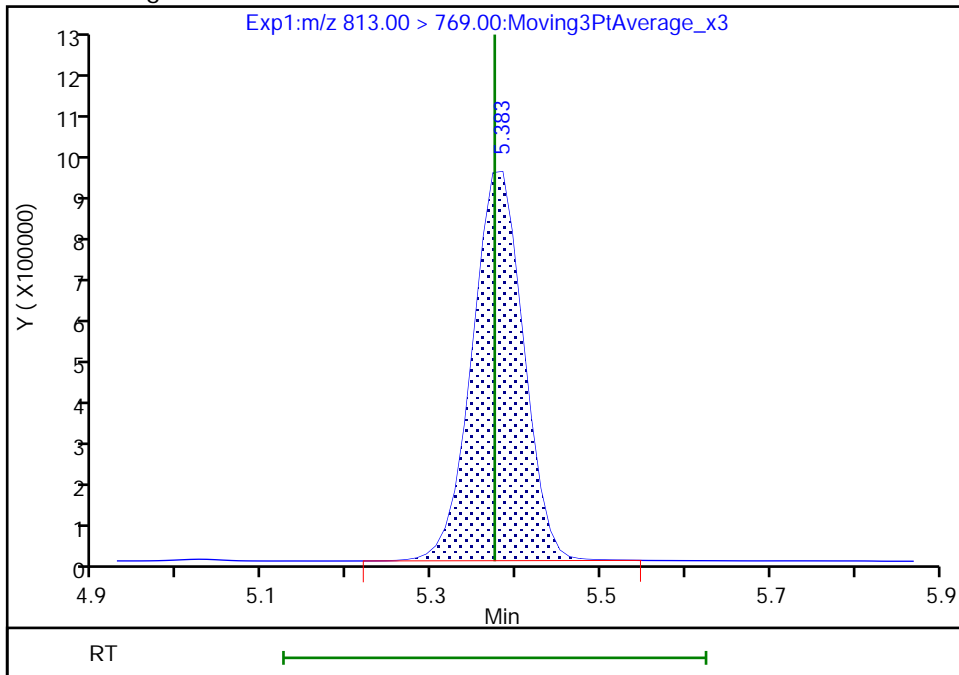
RT: 5.38  
Area: 3759052  
Amount: 10.004821  
Amount Units: ng/ml

Processing Integration Results



RT: 5.38  
Area: 3749492  
Amount: 9.998208  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:04:45  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

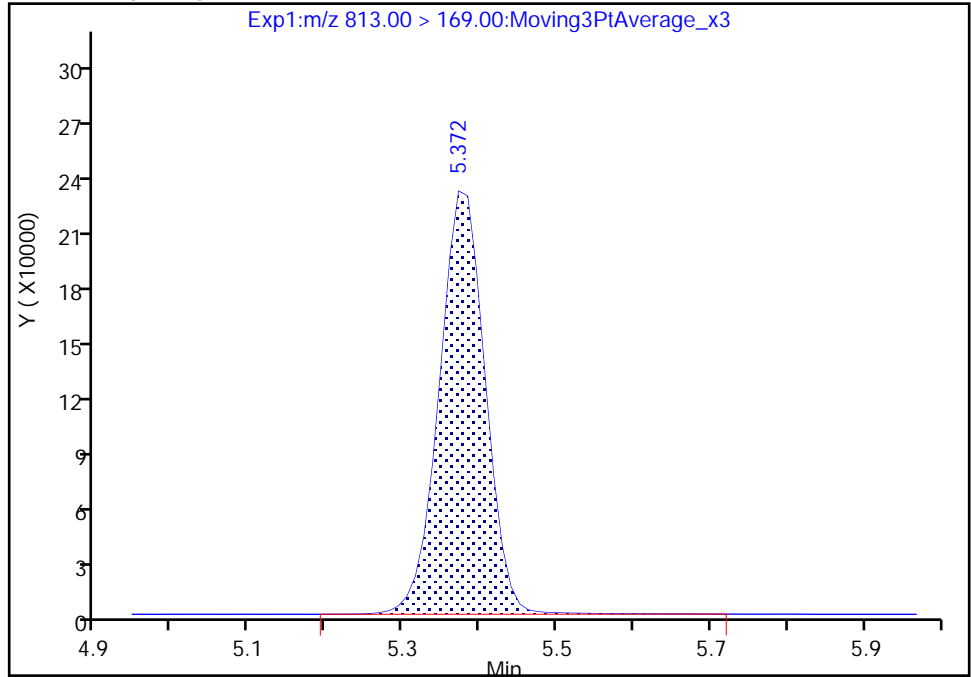
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812  
Lims ID: IC  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

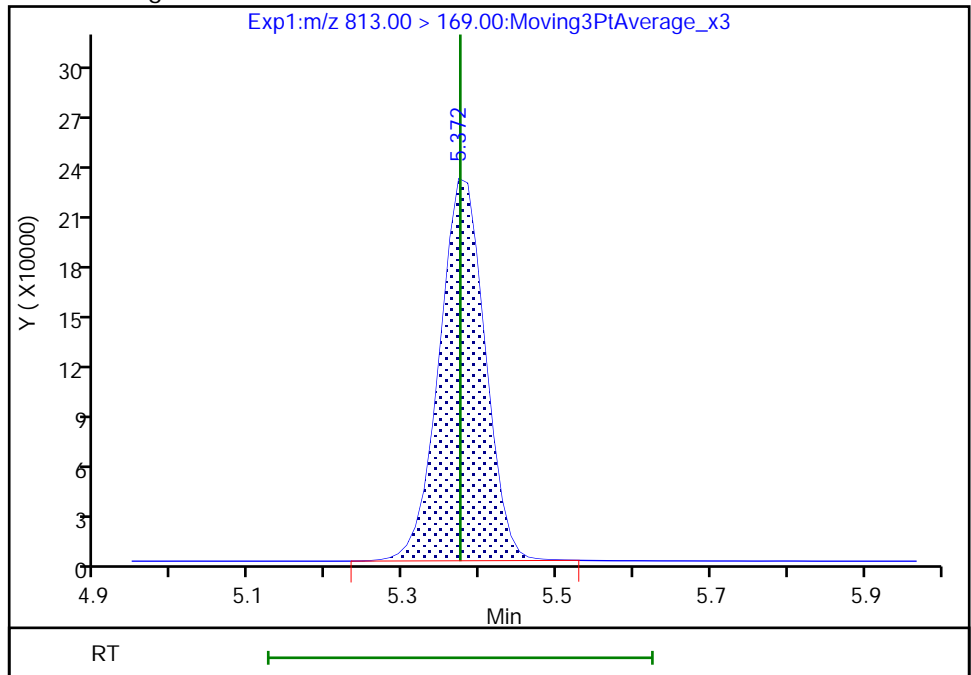
RT: 5.37  
Area: 940773  
Amount: 10.004821  
Amount Units: ng/ml

Processing Integration Results



RT: 5.37  
Area: 935182  
Amount: 9.998208  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:04:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

**Calibration**

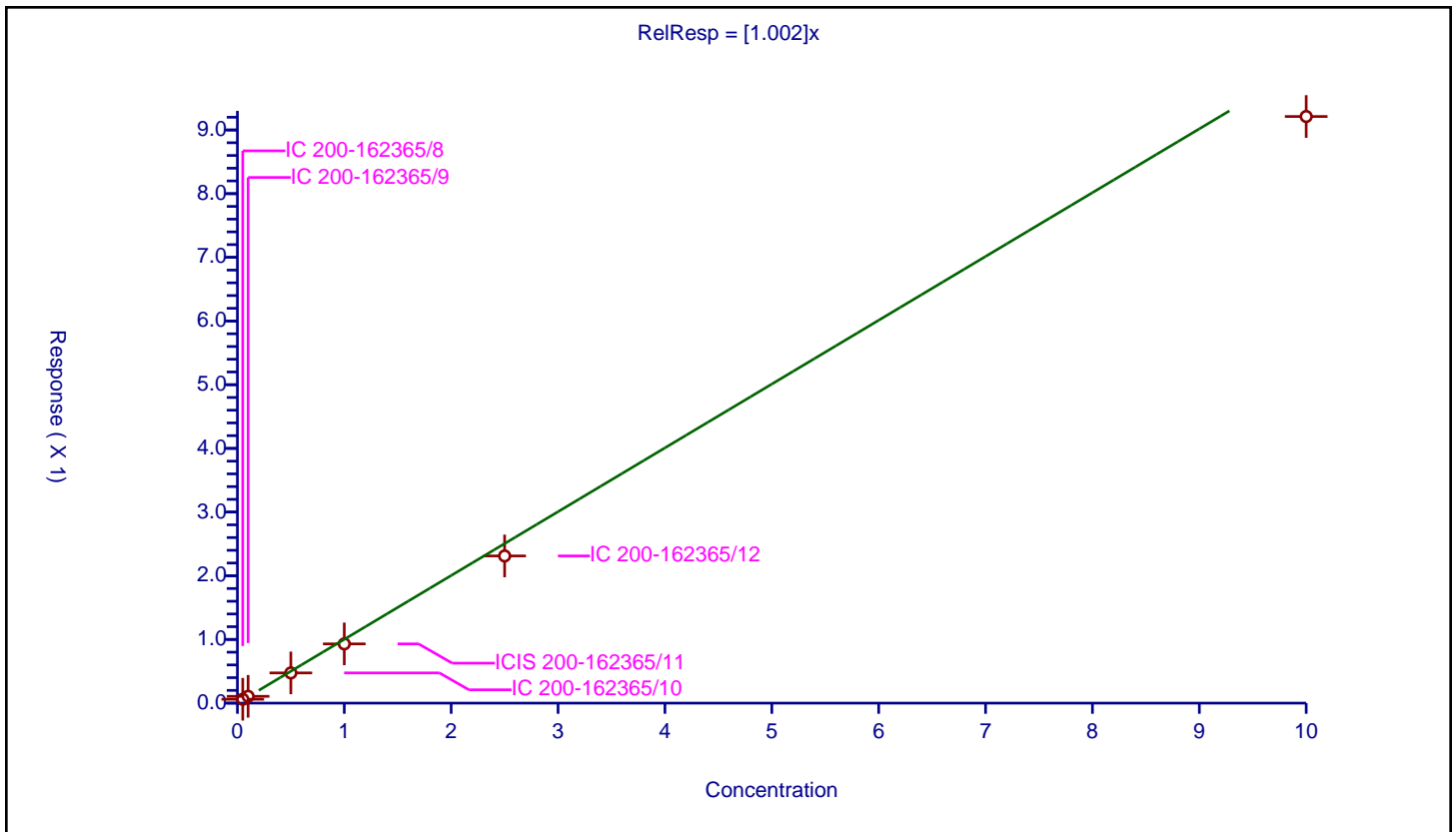
/ Perfluorobutanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.002

Error Coefficients	
Standard Error:	4080000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.060945	1.25	1181985.0	1.218903	Y
2	IC 200-162365/9	0.1	0.106874	1.25	1386458.0	1.06874	Y
3	IC 200-162365/10	0.5	0.47428	1.25	1203352.0	0.948561	Y
4	ICIS 200-162365/11	1.0	0.930197	1.25	1185176.0	0.930197	Y
5	IC 200-162365/12	2.5	2.311251	1.25	1183081.0	0.924501	Y
6	IC 200-162365/13	10.0	9.211614	1.25	1192876.0	0.921161	Y



**Calibration**

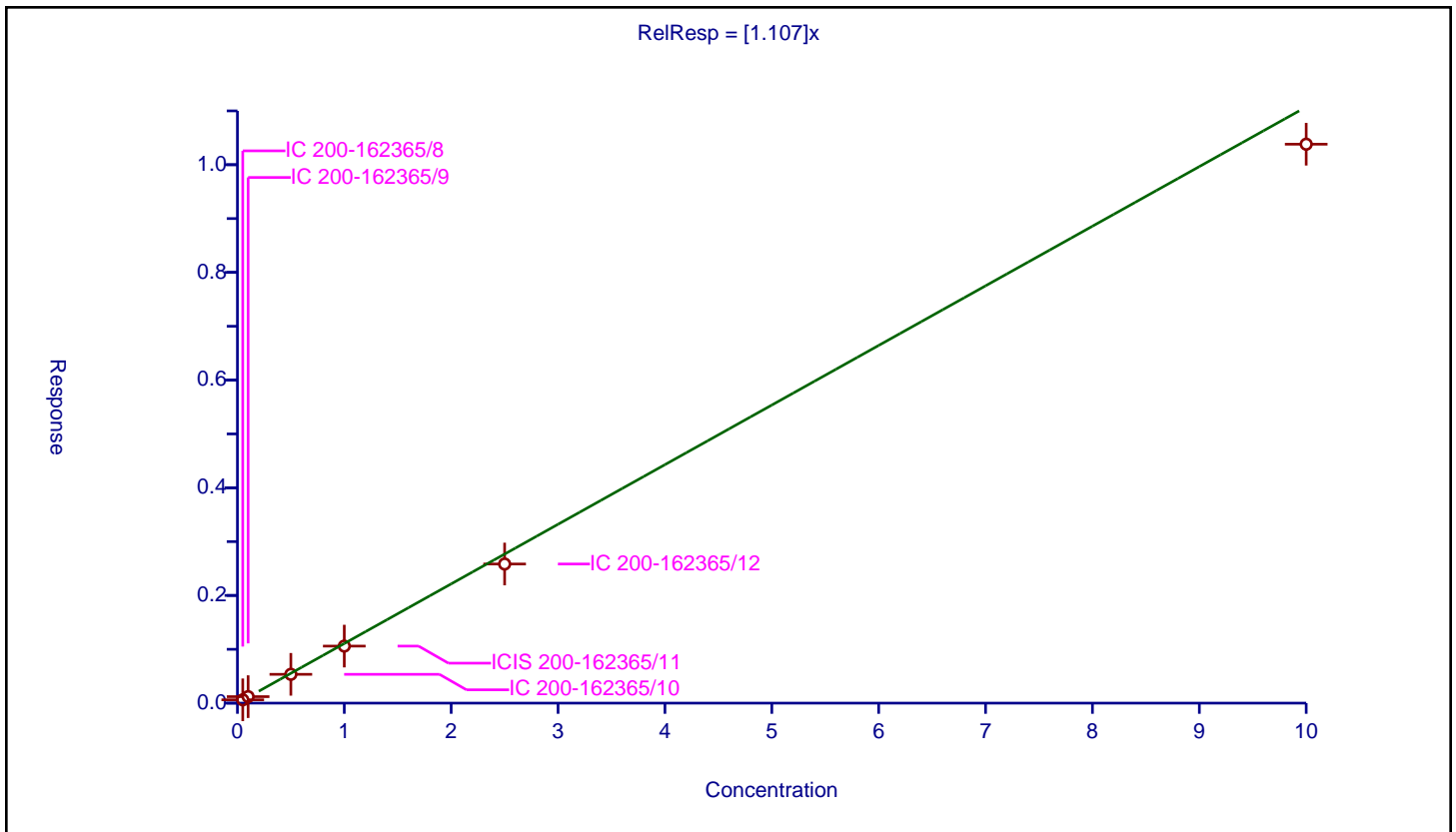
/ Perfluoropentanoic acid

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	1.107

Error Coefficients	
Standard Error:	3260000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.061795	1.25	878850.0	1.235905	Y
2	IC 200-162365/9	0.1	0.120668	1.25	1030251.0	1.206684	Y
3	IC 200-162365/10	0.5	0.535033	1.25	856461.0	1.070066	Y
4	ICIS 200-162365/11	1.0	1.059271	1.25	843580.0	1.059271	Y
5	IC 200-162365/12	2.5	2.584107	1.25	850273.0	1.033643	Y
6	IC 200-162365/13	10.0	10.381386	1.25	847223.0	1.038139	Y





**Calibration**

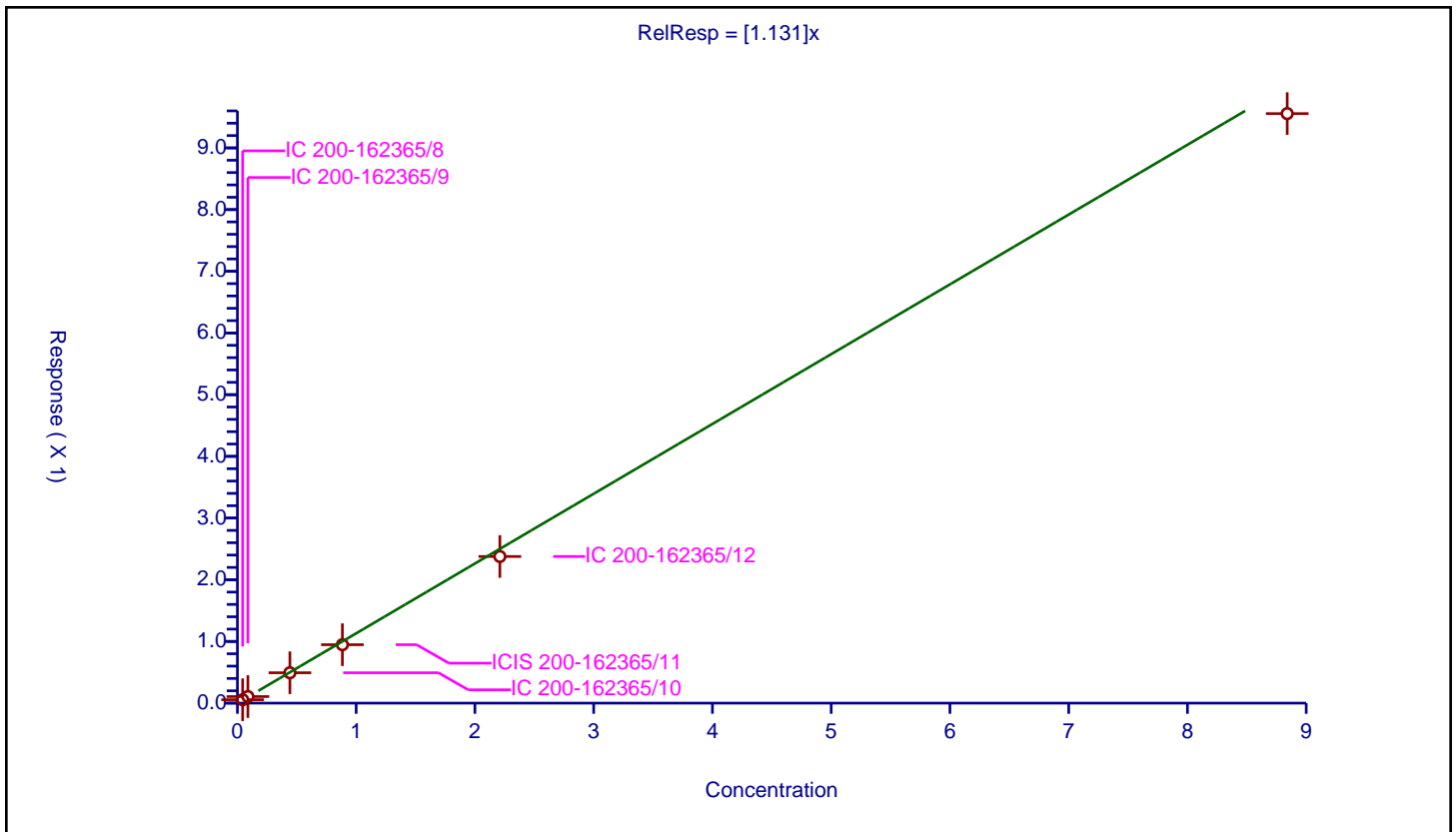
/ Perfluorobutanesulfonic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.131

Error Coefficients	
Standard Error:	4060000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0442	0.054939	1.1625	1024342.0	1.24297	Y
2	IC 200-162365/9	0.0884	0.106321	1.1625	1277928.0	1.202727	Y
3	IC 200-162365/10	0.442	0.492521	1.1625	1038343.0	1.114301	Y
4	ICIS 200-162365/11	0.884	0.947054	1.1625	1062494.0	1.071328	Y
5	IC 200-162365/12	2.21	2.376755	1.1625	1027240.0	1.075455	Y
6	IC 200-162365/13	8.84	9.556022	1.1625	1066974.0	1.080998	Y



**Calibration**

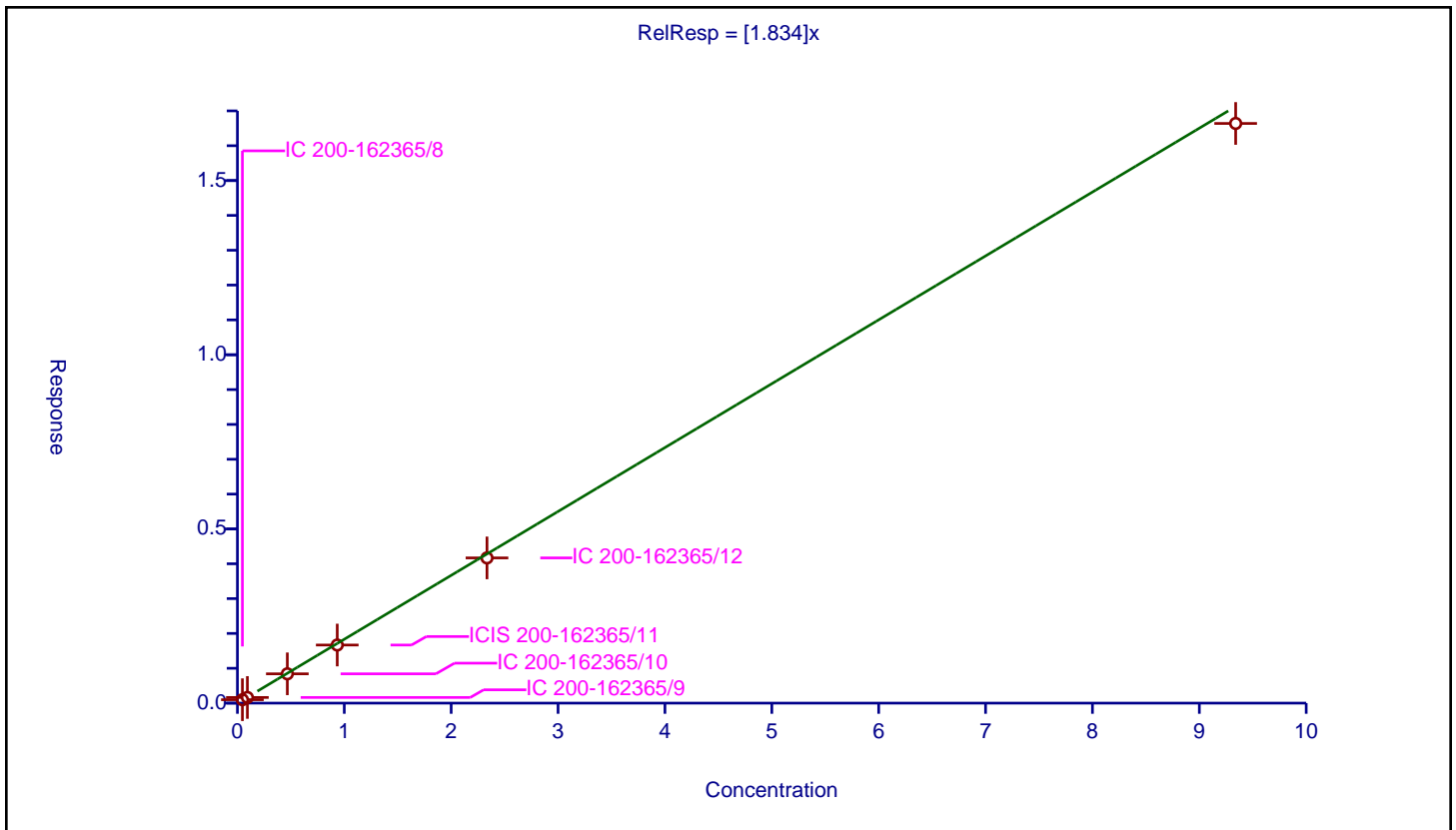
/ 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.834

Error Coefficients	
Standard Error:	581000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0467	0.098521	1.1675	87206.0	2.10966	Y
2	IC 200-162365/9	0.0934	0.162478	1.1675	113101.0	1.739596	Y
3	IC 200-162365/10	0.467	0.841177	1.1675	85984.0	1.801236	Y
4	ICIS 200-162365/11	0.934	1.667486	1.1675	86339.0	1.785317	Y
5	IC 200-162365/12	2.335	4.168377	1.1675	85003.0	1.785172	Y
6	IC 200-162365/13	9.34	16.638782	1.1675	88021.0	1.781454	Y



**Calibration**

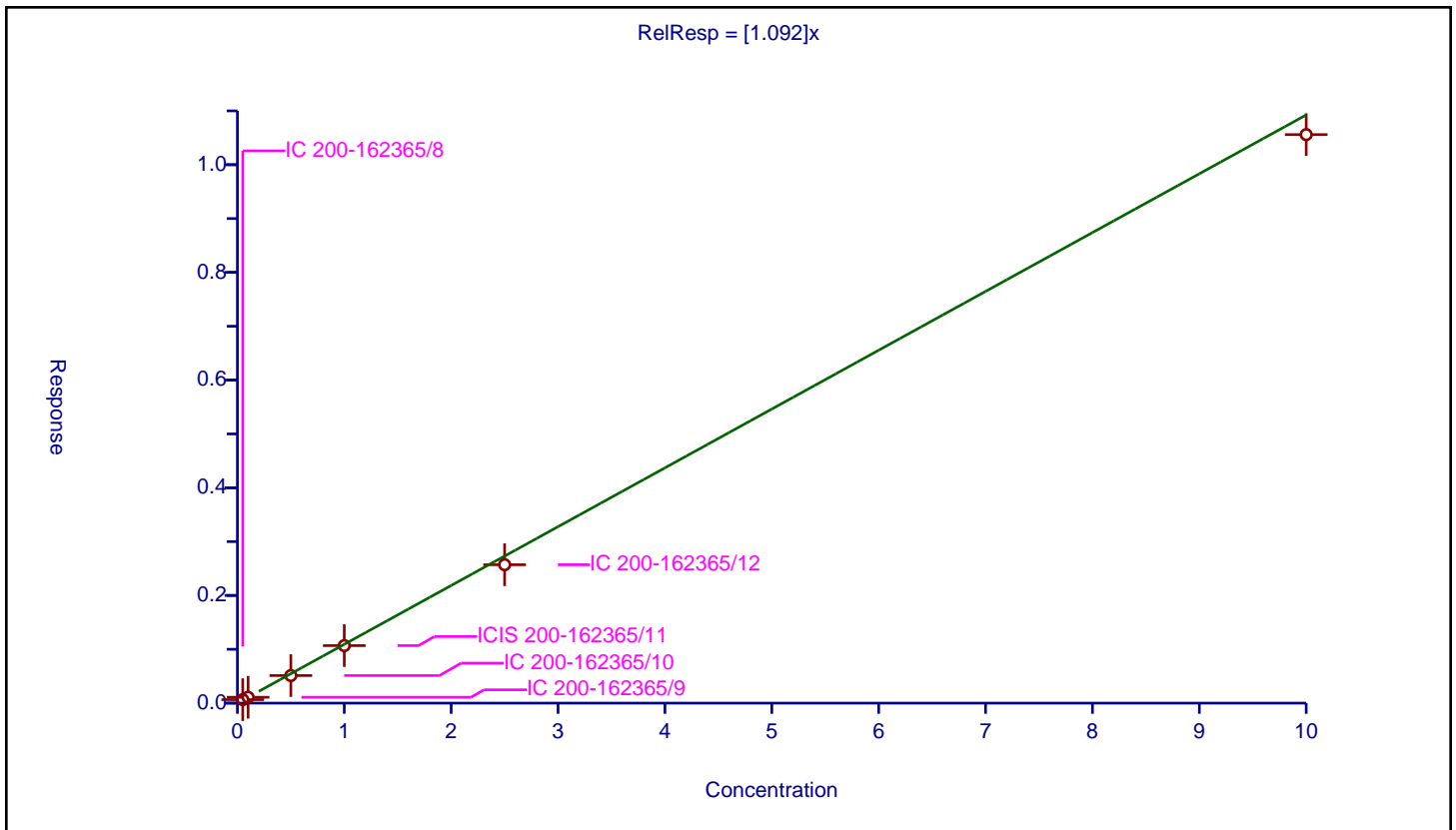
/ Perfluorohexanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.092

Error Coefficients	
Standard Error:	3400000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.064447	1.25	908776.0	1.288931	Y
2	IC 200-162365/9	0.1	0.108929	1.25	1097468.0	1.089291	Y
3	IC 200-162365/10	0.5	0.512061	1.25	903699.0	1.024121	Y
4	ICIS 200-162365/11	1.0	1.068085	1.25	895585.0	1.068085	Y
5	IC 200-162365/12	2.5	2.570832	1.25	894513.0	1.028333	Y
6	IC 200-162365/13	10.0	10.559204	1.25	866171.0	1.05592	Y



**Calibration**

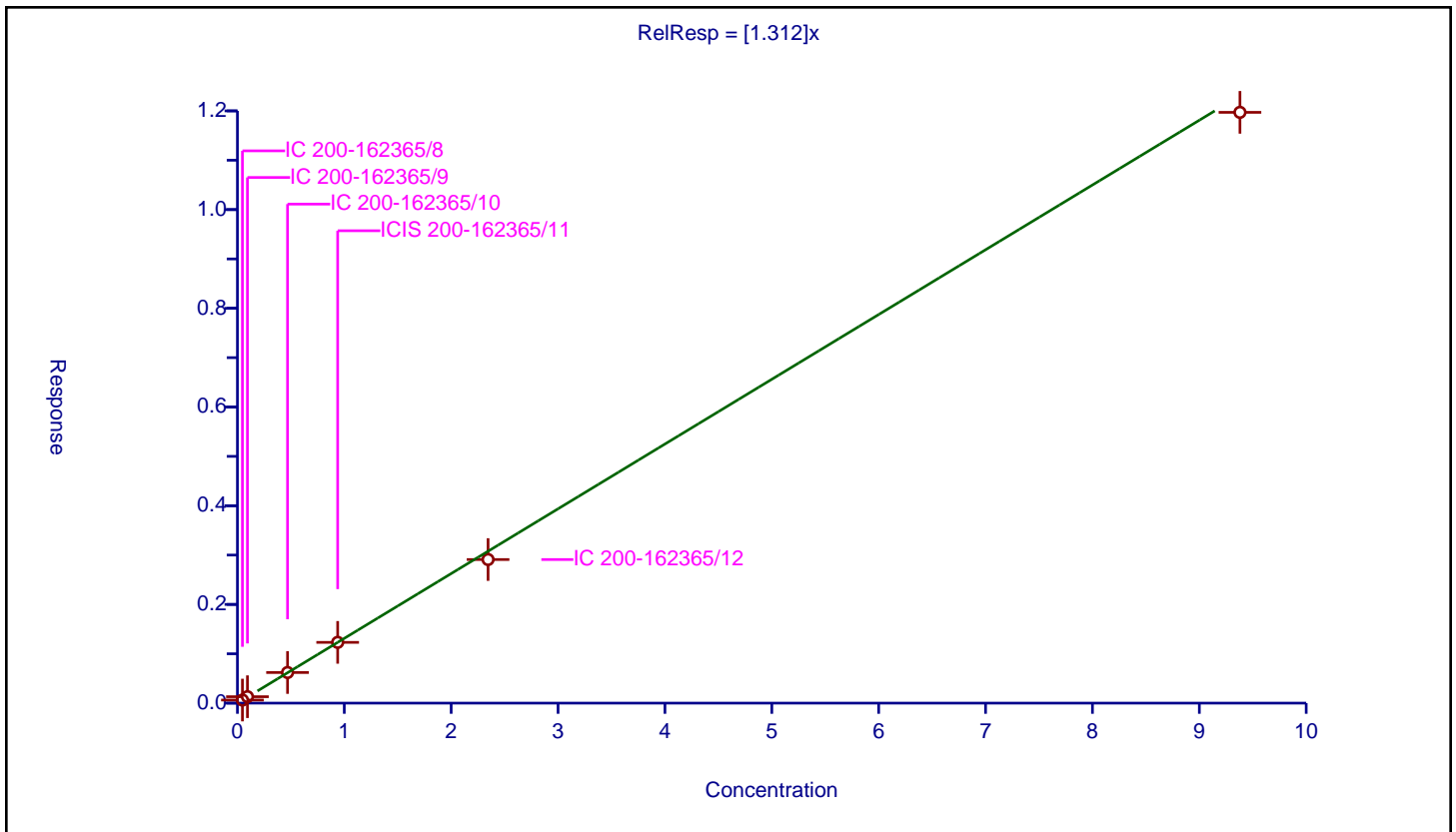
/ Perfluoropentanesulfonic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.312

Error Coefficients	
Standard Error:	3750000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0469	0.062457	1.1825	822695.0	1.331709	Y
2	IC 200-162365/9	0.0938	0.130386	1.1825	956077.0	1.390044	Y
3	IC 200-162365/10	0.469	0.620386	1.1825	772740.0	1.322785	Y
4	ICIS 200-162365/11	0.938	1.231107	1.1825	769056.0	1.31248	Y
5	IC 200-162365/12	2.345	2.909633	1.1825	794776.0	1.240782	Y
6	IC 200-162365/13	9.38	11.970309	1.1825	801639.0	1.276152	Y



**Calibration**

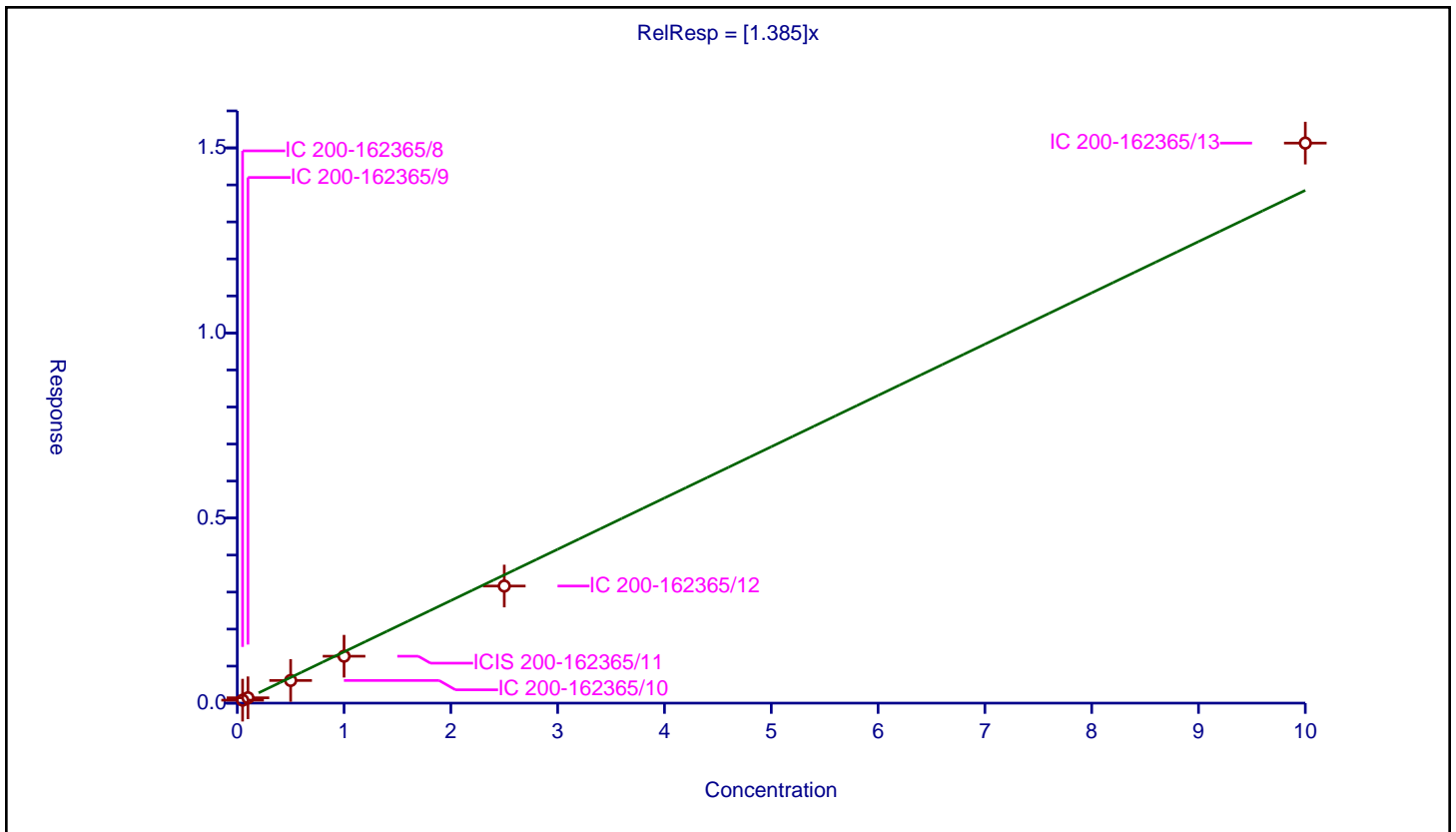
**/ Perfluoro(2-propoxypropanoic) acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	1.385

Error Coefficients	
<b>Standard Error:</b>	782000
<b>Relative Standard Error:</b>	11.2
<b>Correlation Coefficient:</b>	1.000
<b>Coefficient of Determination (Adjusted):</b>	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.080143	1.25	155222.0	1.602866	Y
2	IC 200-162365/9	0.1	0.143947	1.25	185233.0	1.439471	Y
3	IC 200-162365/10	0.5	0.611974	1.25	172775.0	1.223947	Y
4	ICIS 200-162365/11	1.0	1.26779	1.25	167297.0	1.26779	Y
5	IC 200-162365/12	2.5	3.163211	1.25	158496.0	1.265284	Y
6	IC 200-162365/13	10.0	15.129727	1.25	139707.0	1.512973	Y



**Calibration**

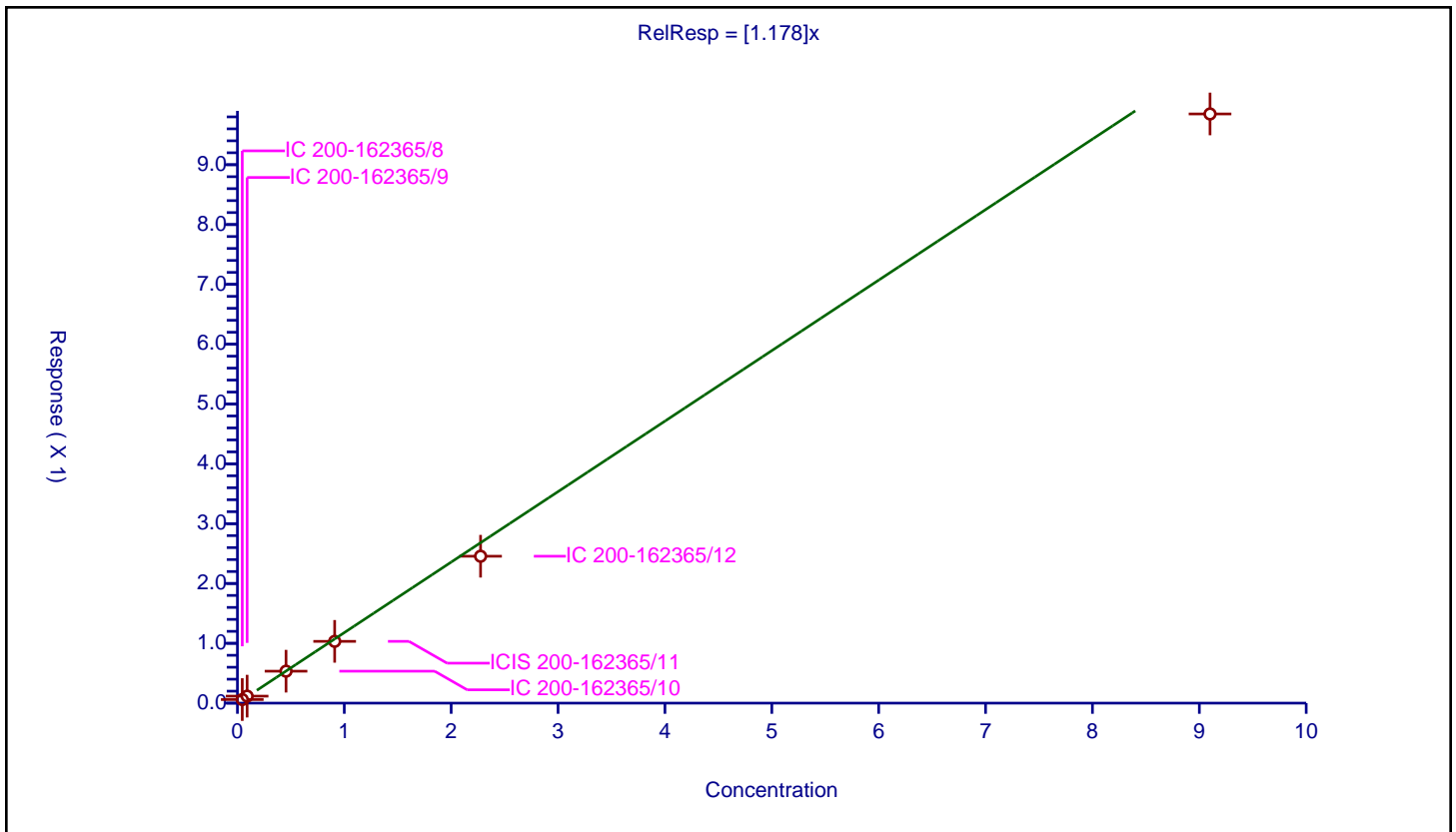
/ Perfluorohexanesulfonic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.178

Error Coefficients	
Standard Error:	3090000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0455	0.059891	1.1825	822695.0	1.316296	Y
2	IC 200-162365/9	0.091	0.11689	1.1825	956077.0	1.284504	Y
3	IC 200-162365/10	0.455	0.534038	1.1825	772740.0	1.17371	Y
4	ICIS 200-162365/11	0.91	1.032607	1.1825	769056.0	1.134733	Y
5	IC 200-162365/12	2.275	2.455569	1.1825	794776.0	1.079371	Y
6	IC 200-162365/13	9.1	9.848762	1.1825	801639.0	1.082282	Y



**Calibration**

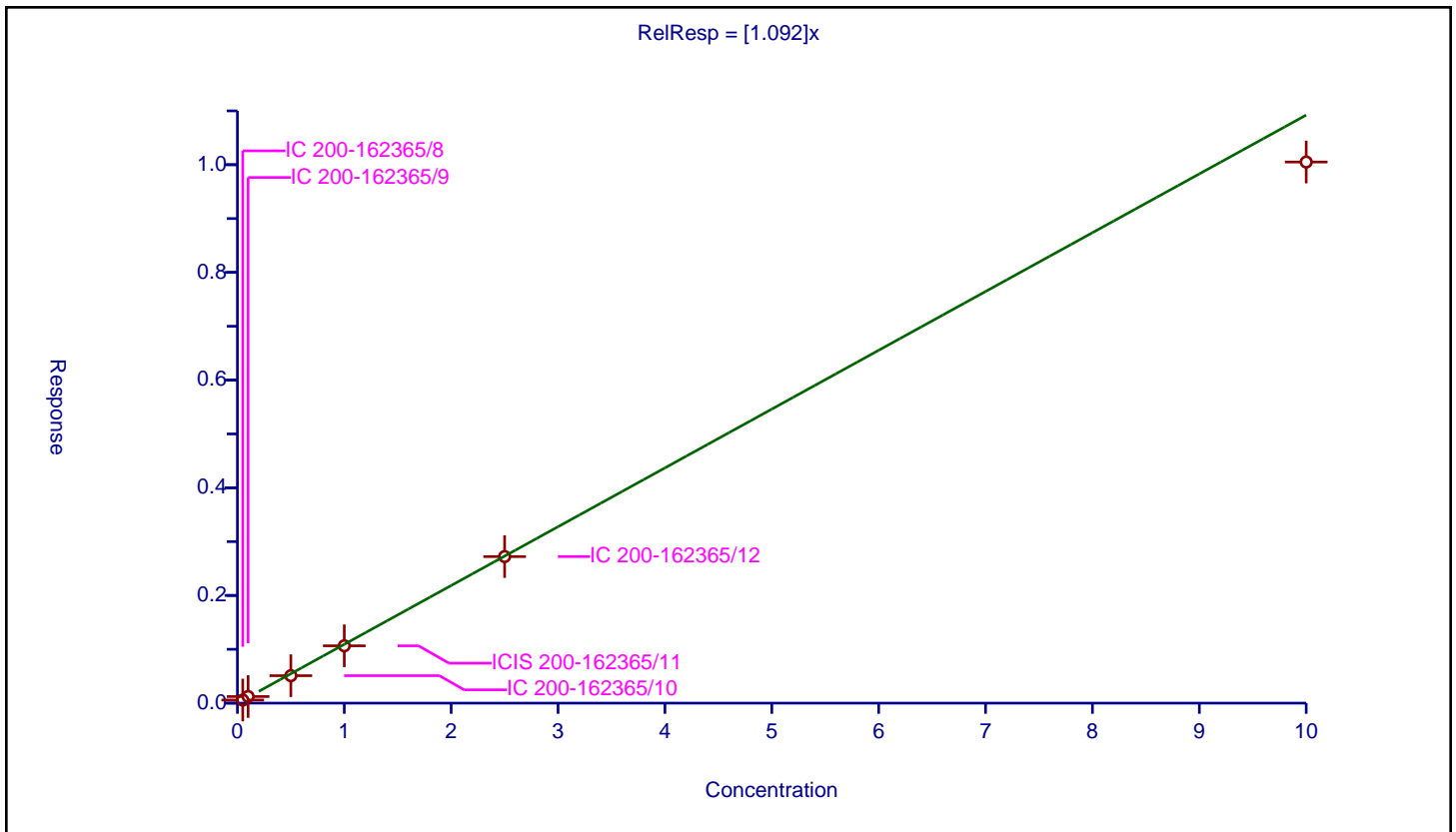
/ Perfluoroheptanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.092

Error Coefficients	
Standard Error:	3240000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.057494	1.25	853376.0	1.149874	Y
2	IC 200-162365/9	0.1	0.122479	1.25	1019298.0	1.224789	Y
3	IC 200-162365/10	0.5	0.509961	1.25	892830.0	1.019923	Y
4	ICIS 200-162365/11	1.0	1.064909	1.25	849594.0	1.064909	Y
5	IC 200-162365/12	2.5	2.721915	1.25	838035.0	1.088766	Y
6	IC 200-162365/13	10.0	10.050283	1.25	866766.0	1.005028	Y



Calibration

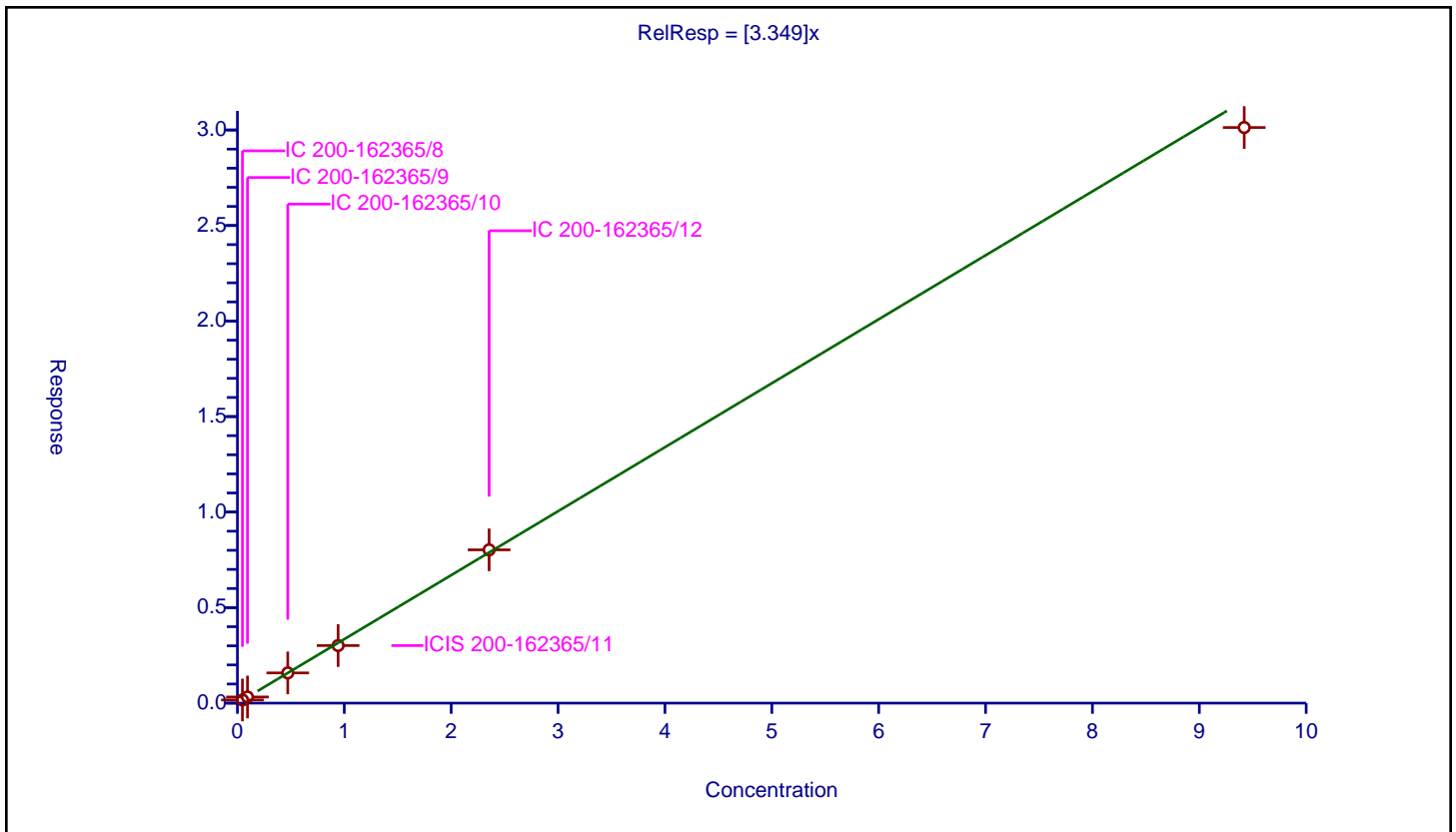
/ DONA

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.349

Error Coefficients	
Standard Error:	6470000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0471	0.165785	1.195	552776.0	3.519859	Y
2	IC 200-162365/9	0.0942	0.321191	1.195	682230.0	3.409668	Y
3	IC 200-162365/10	0.471	1.581185	1.195	543196.0	3.35708	Y
4	ICIS 200-162365/11	0.942	3.013665	1.195	554310.0	3.19922	Y
5	IC 200-162365/12	2.355	8.023155	1.195	529467.0	3.40686	Y
6	IC 200-162365/13	9.42	30.130557	1.195	552420.0	3.198573	Y





**Calibration**

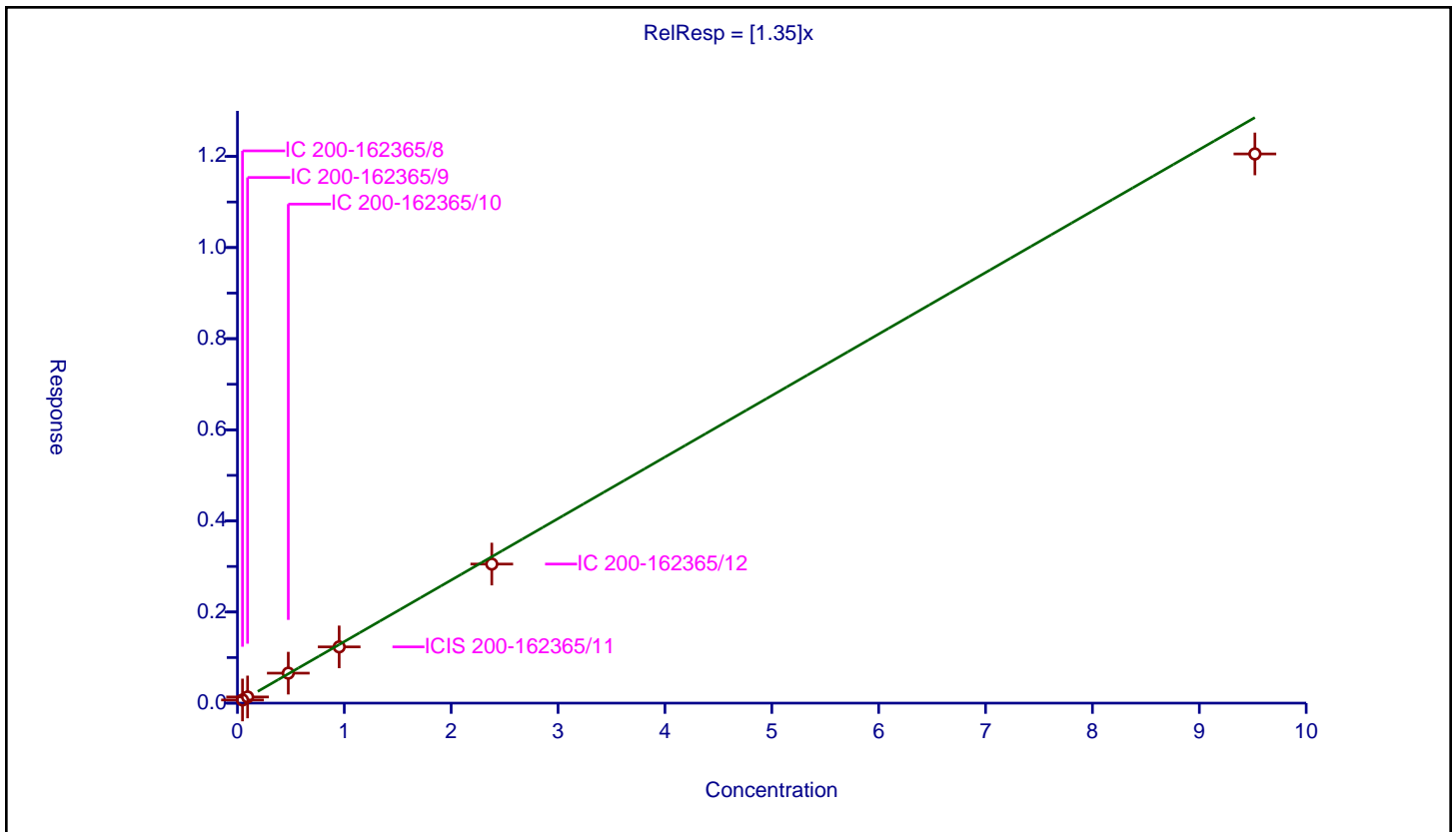
/ Perfluoroheptanesulfonic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.35

Error Coefficients	
Standard Error:	2580000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0476	0.069098	1.195	552776.0	1.451641	Y
2	IC 200-162365/9	0.0952	0.135273	1.195	682230.0	1.420937	Y
3	IC 200-162365/10	0.476	0.658168	1.195	543196.0	1.382705	Y
4	ICIS 200-162365/11	0.952	1.234637	1.195	554310.0	1.296888	Y
5	IC 200-162365/12	2.38	3.052432	1.195	529467.0	1.282535	Y
6	IC 200-162365/13	9.52	12.055482	1.195	552420.0	1.266332	Y



**Calibration**

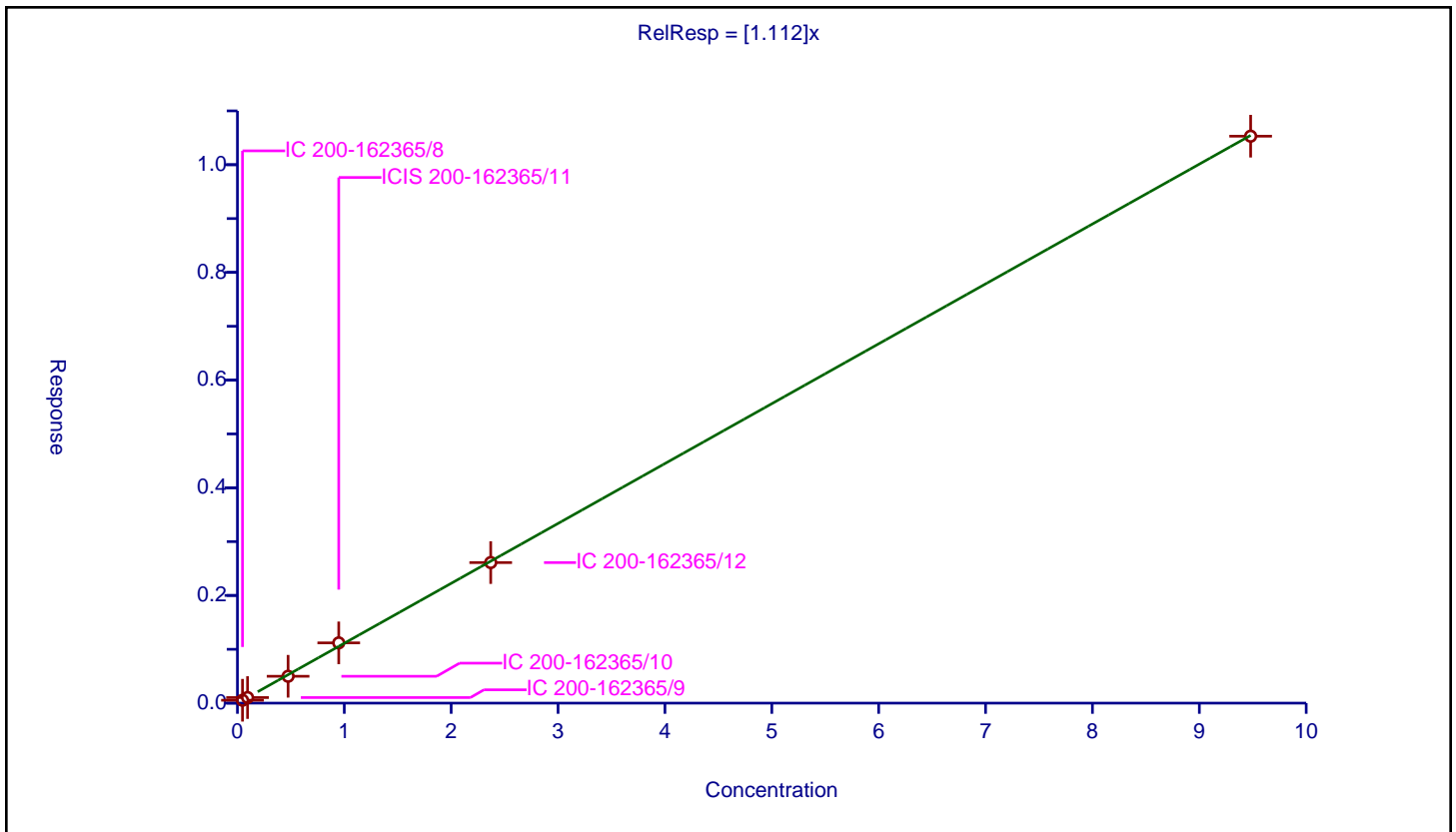
/ 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.112

Error Coefficients	
Standard Error:	397000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0474	0.053813	1.1875	100493.0	1.135305	Y
2	IC 200-162365/9	0.0948	0.103691	1.1875	122975.0	1.093785	Y
3	IC 200-162365/10	0.474	0.498705	1.1875	102545.0	1.05212	Y
4	ICIS 200-162365/11	0.948	1.119118	1.1875	96952.0	1.180504	Y
5	IC 200-162365/12	2.37	2.61081	1.1875	97655.0	1.101607	Y
6	IC 200-162365/13	9.48	10.52992	1.1875	96331.0	1.110751	Y



**Calibration**

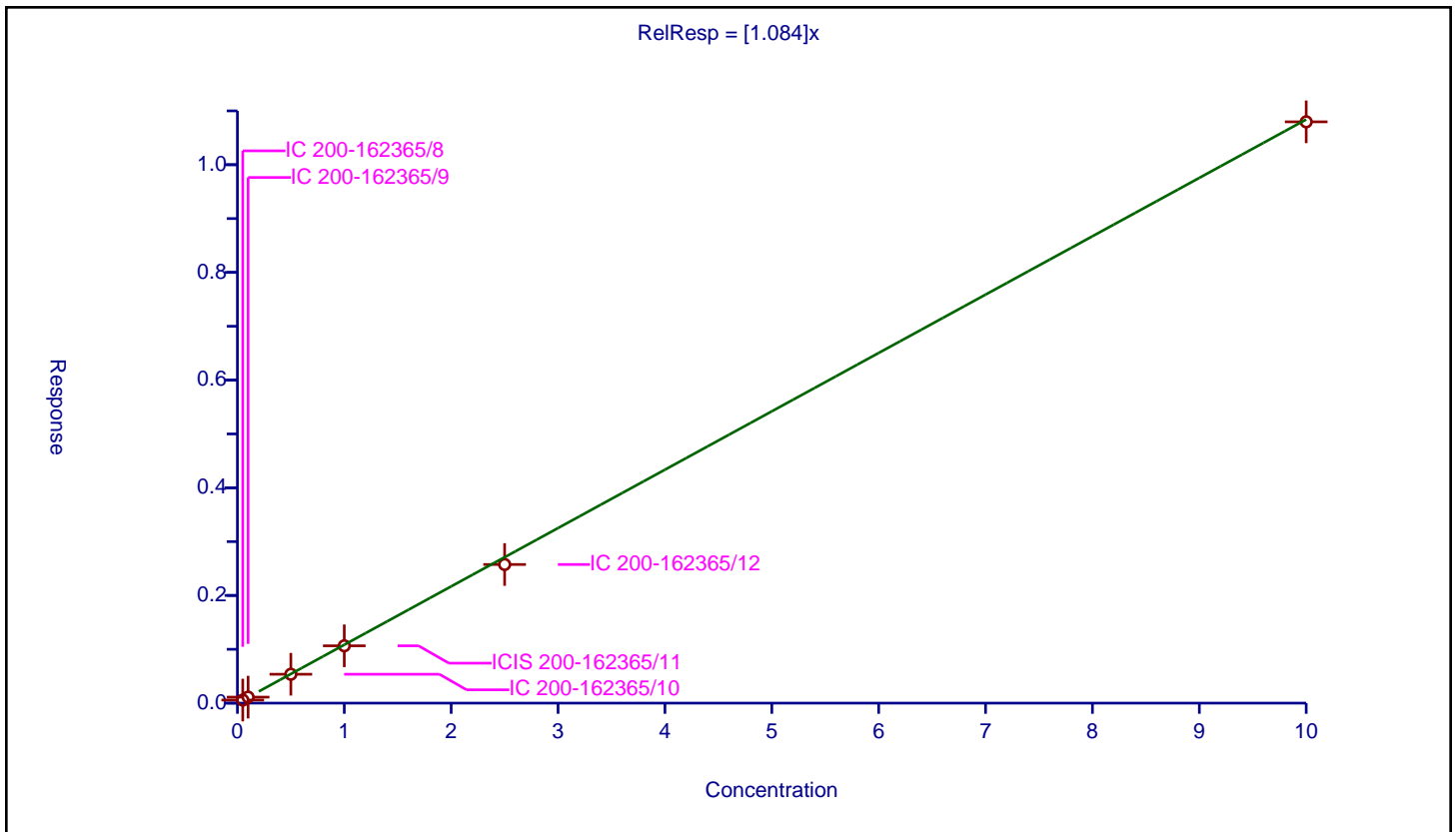
/ Perfluorooctanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.084

Error Coefficients	
Standard Error:	3360000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.057025	1.25	889146.0	1.140504	Y
2	IC 200-162365/9	0.1	0.111632	1.25	1101215.0	1.116324	Y
3	IC 200-162365/10	0.5	0.536251	1.25	857479.0	1.072501	Y
4	ICIS 200-162365/11	1.0	1.064682	1.25	869201.0	1.064682	Y
5	IC 200-162365/12	2.5	2.575243	1.25	862938.0	1.030097	Y
6	IC 200-162365/13	10.0	10.79653	1.25	839703.0	1.079653	Y



**Calibration**

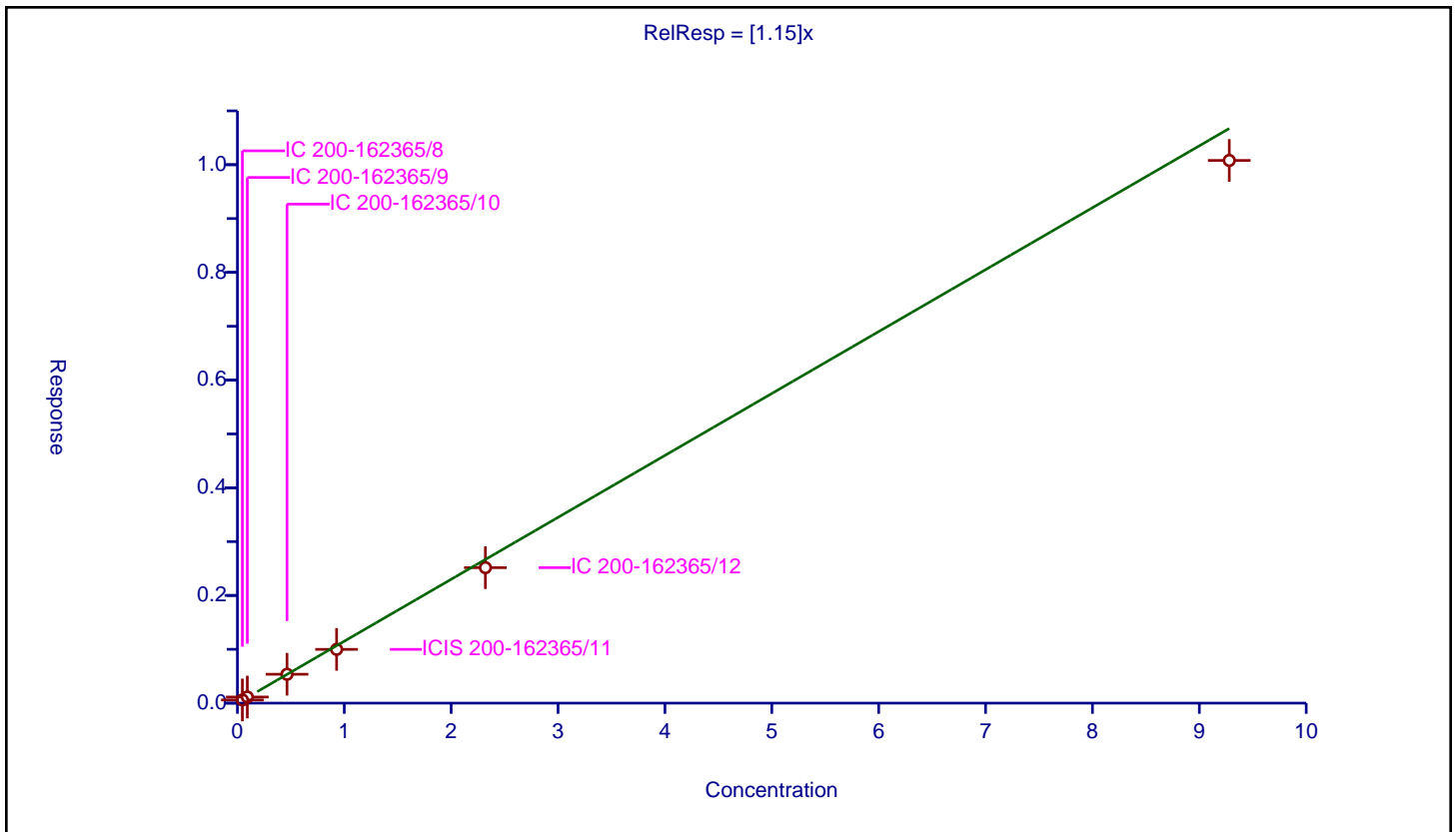
/ Perfluorooctanesulfonic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.15

Error Coefficients	
Standard Error:	2160000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0464	0.059069	1.195	552776.0	1.273049	Y
2	IC 200-162365/9	0.0928	0.113702	1.195	682230.0	1.225239	Y
3	IC 200-162365/10	0.464	0.536254	1.195	543196.0	1.155719	Y
4	ICIS 200-162365/11	0.928	0.998526	1.195	554310.0	1.075998	Y
5	IC 200-162365/12	2.32	2.515978	1.195	529467.0	1.084473	Y
6	IC 200-162365/13	9.28	10.079203	1.195	552420.0	1.086121	Y



**Calibration**

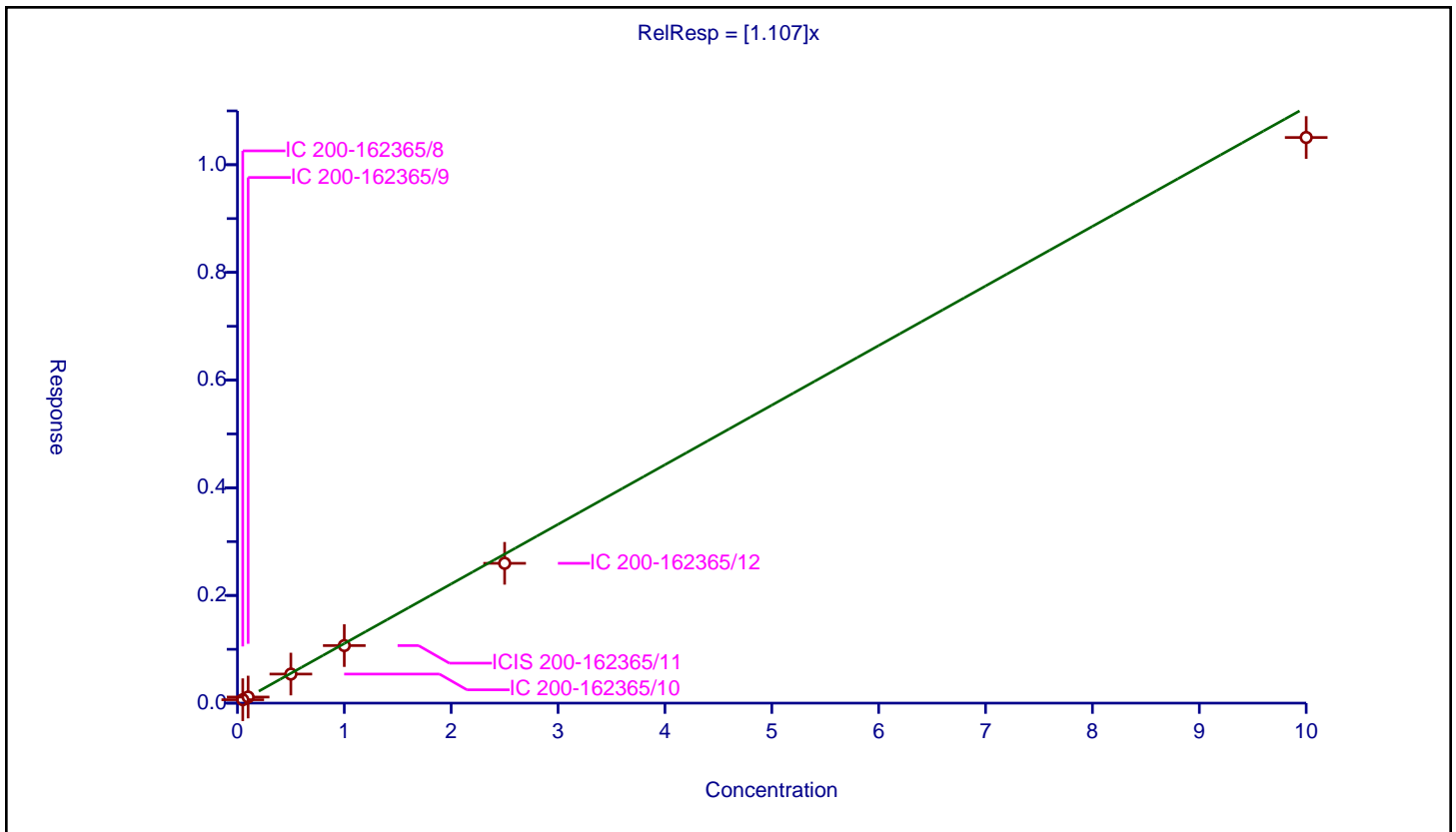
/ Perfluorononanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.107

Error Coefficients	
Standard Error:	2880000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.063599	1.25	787744.0	1.271987	Y
2	IC 200-162365/9	0.1	0.113142	1.25	964938.0	1.13142	Y
3	IC 200-162365/10	0.5	0.539829	1.25	772347.0	1.079657	Y
4	ICIS 200-162365/11	1.0	1.068826	1.25	760016.0	1.068826	Y
5	IC 200-162365/12	2.5	2.596817	1.25	756323.0	1.038727	Y
6	IC 200-162365/13	10.0	10.50595	1.25	738168.0	1.050595	Y



**Calibration**

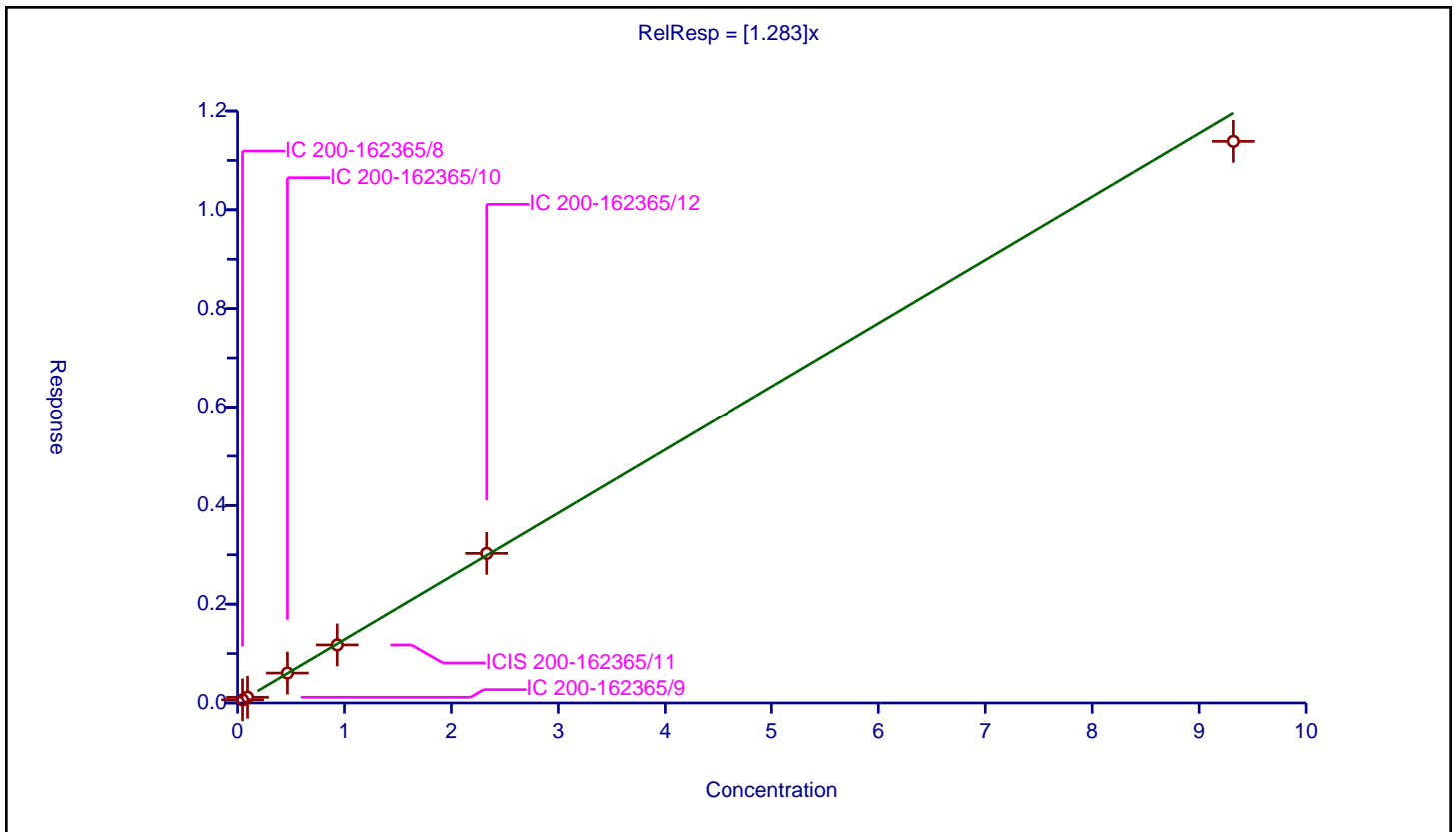
**/ 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	1.283

Error Coefficients	
<b>Standard Error:</b>	2440000
<b>Relative Standard Error:</b>	4.3
<b>Correlation Coefficient:</b>	1.000
<b>Coefficient of Determination (Adjusted):</b>	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0466	0.064139	1.195	552776.0	1.376372	Y
2	IC 200-162365/9	0.0932	0.115711	1.195	682230.0	1.241537	Y
3	IC 200-162365/10	0.466	0.605374	1.195	543196.0	1.299085	Y
4	ICIS 200-162365/11	0.932	1.175263	1.195	554310.0	1.261012	Y
5	IC 200-162365/12	2.33	3.028048	1.195	529467.0	1.299591	Y
6	IC 200-162365/13	9.32	11.385753	1.195	552420.0	1.221647	Y



**Calibration**

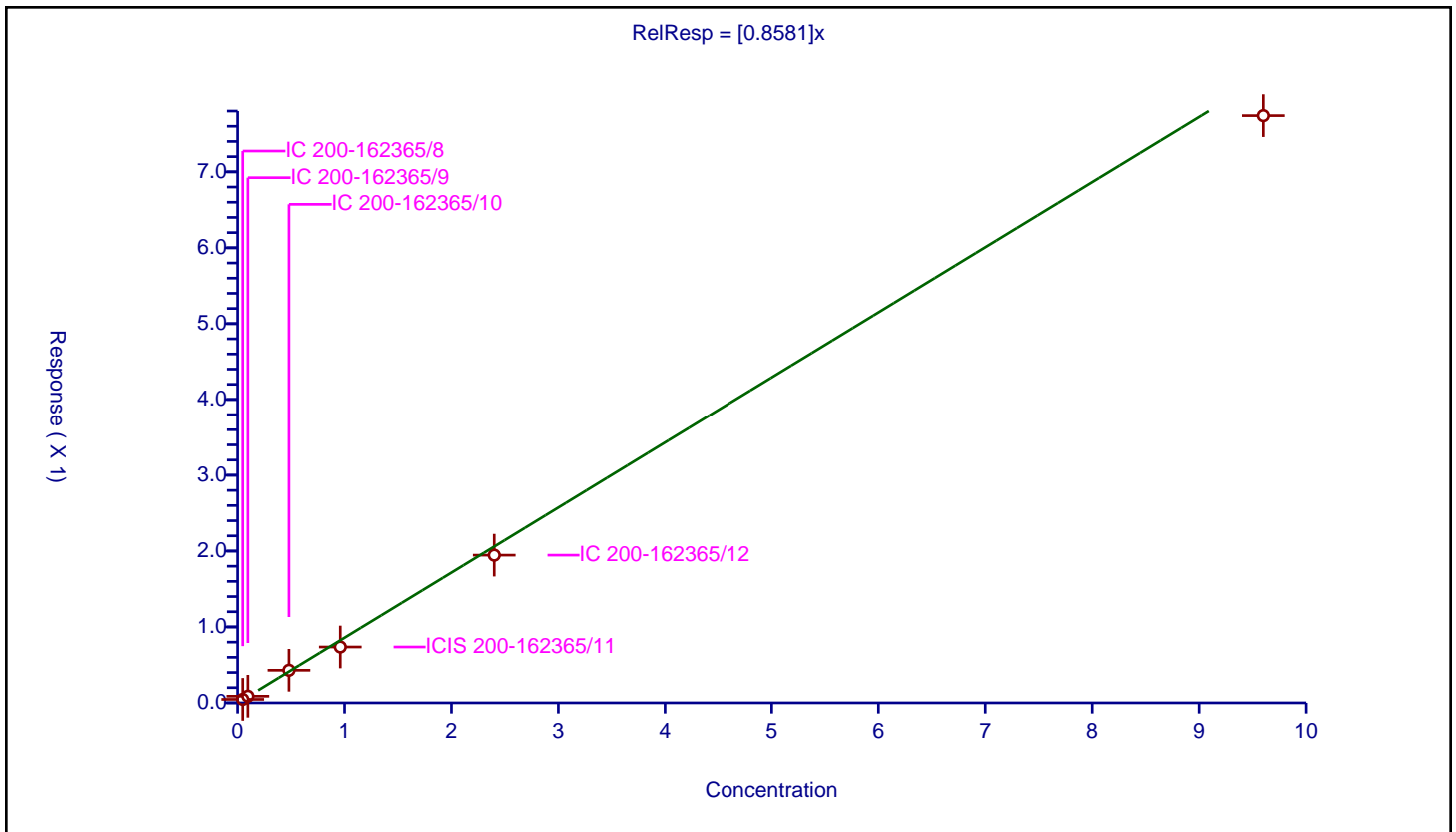
**/ Perfluorononanesulfonic acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	0.8581

Error Coefficients	
Standard Error:	1660000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.048	0.04596	1.195	552776.0	0.957504	Y
2	IC 200-162365/9	0.096	0.08757	1.195	682230.0	0.912187	Y
3	IC 200-162365/10	0.48	0.429686	1.195	543196.0	0.89518	Y
4	ICIS 200-162365/11	0.96	0.735984	1.195	554310.0	0.76665	Y
5	IC 200-162365/12	2.4	1.945629	1.195	529467.0	0.810679	Y
6	IC 200-162365/13	9.6	7.739554	1.195	552420.0	0.806203	Y



**Calibration**

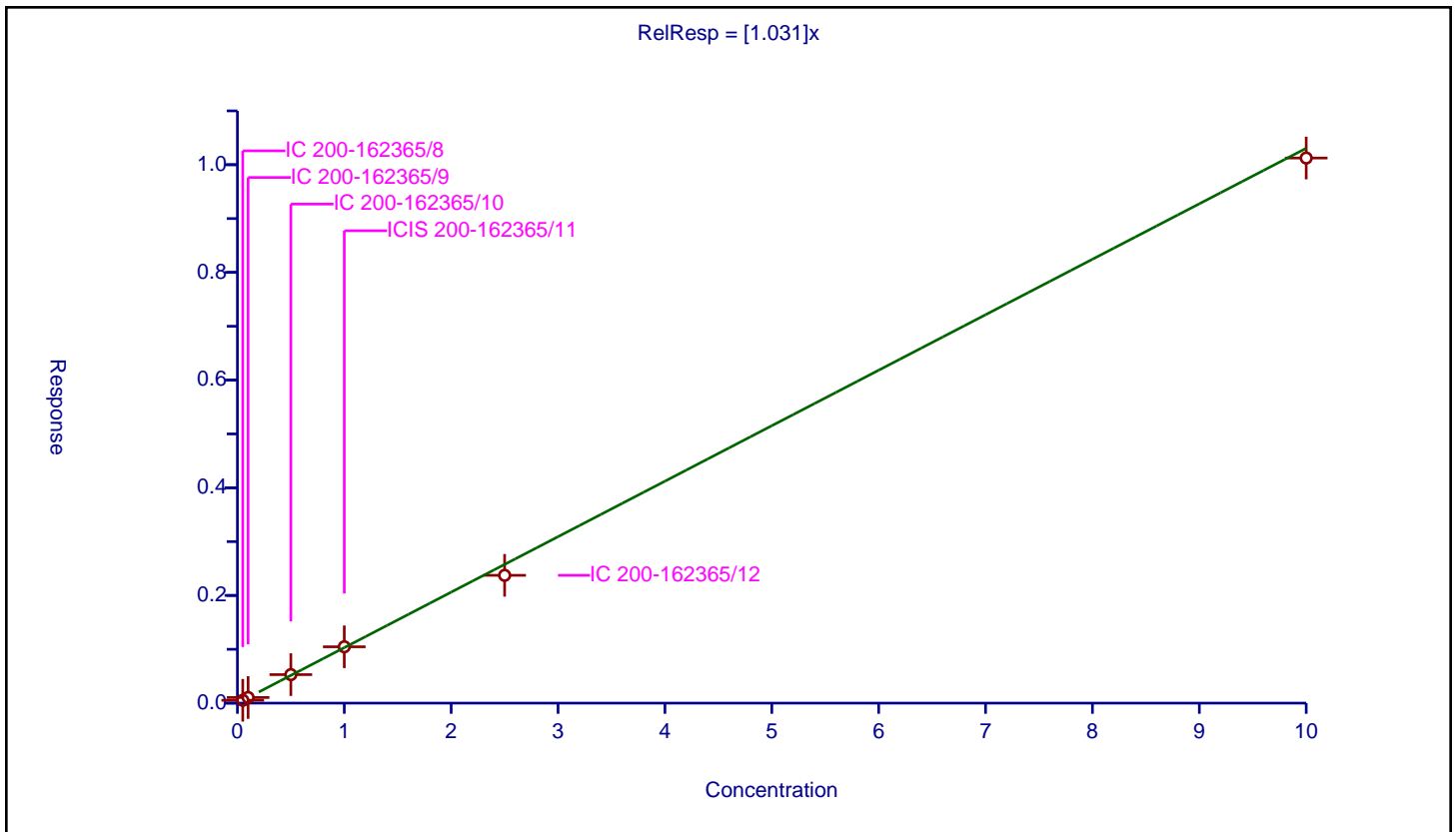
**/ Perfluorodecanoic acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	1.031

Error Coefficients	
<b>Standard Error:</b>	2630000
<b>Relative Standard Error:</b>	4.3
<b>Correlation Coefficient:</b>	1.000
<b>Coefficient of Determination (Adjusted):</b>	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.053418	1.25	741582.0	1.068358	Y
2	IC 200-162365/9	0.1	0.104683	1.25	926205.0	1.046825	Y
3	IC 200-162365/10	0.5	0.52973	1.25	721858.0	1.05946	Y
4	ICIS 200-162365/11	1.0	1.04663	1.25	722168.0	1.04663	Y
5	IC 200-162365/12	2.5	2.373518	1.25	760056.0	0.949407	Y
6	IC 200-162365/13	10.0	10.12465	1.25	699346.0	1.012465	Y





**Calibration**

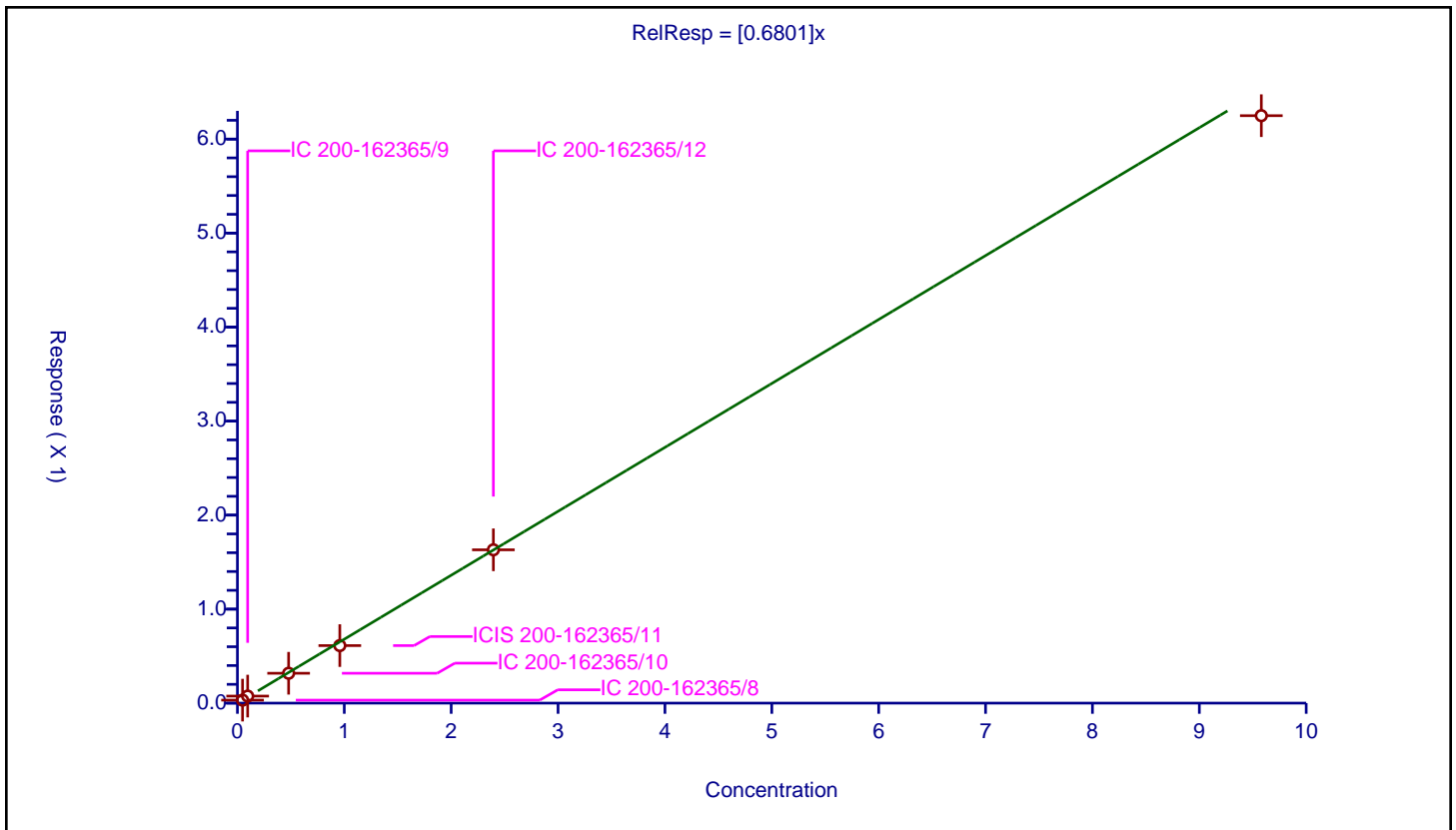
/ 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6801

Error Coefficients	
Standard Error:	255000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0479	0.031824	1.1975	107657.0	0.664379	Y
2	IC 200-162365/9	0.0958	0.074804	1.1975	125650.0	0.78084	Y
3	IC 200-162365/10	0.479	0.317736	1.1975	100274.0	0.663332	Y
4	ICIS 200-162365/11	0.958	0.611973	1.1975	100569.0	0.638803	Y
5	IC 200-162365/12	2.395	1.631041	1.1975	101608.0	0.681019	Y
6	IC 200-162365/13	9.58	6.249065	1.1975	105624.0	0.652303	Y



**Calibration**

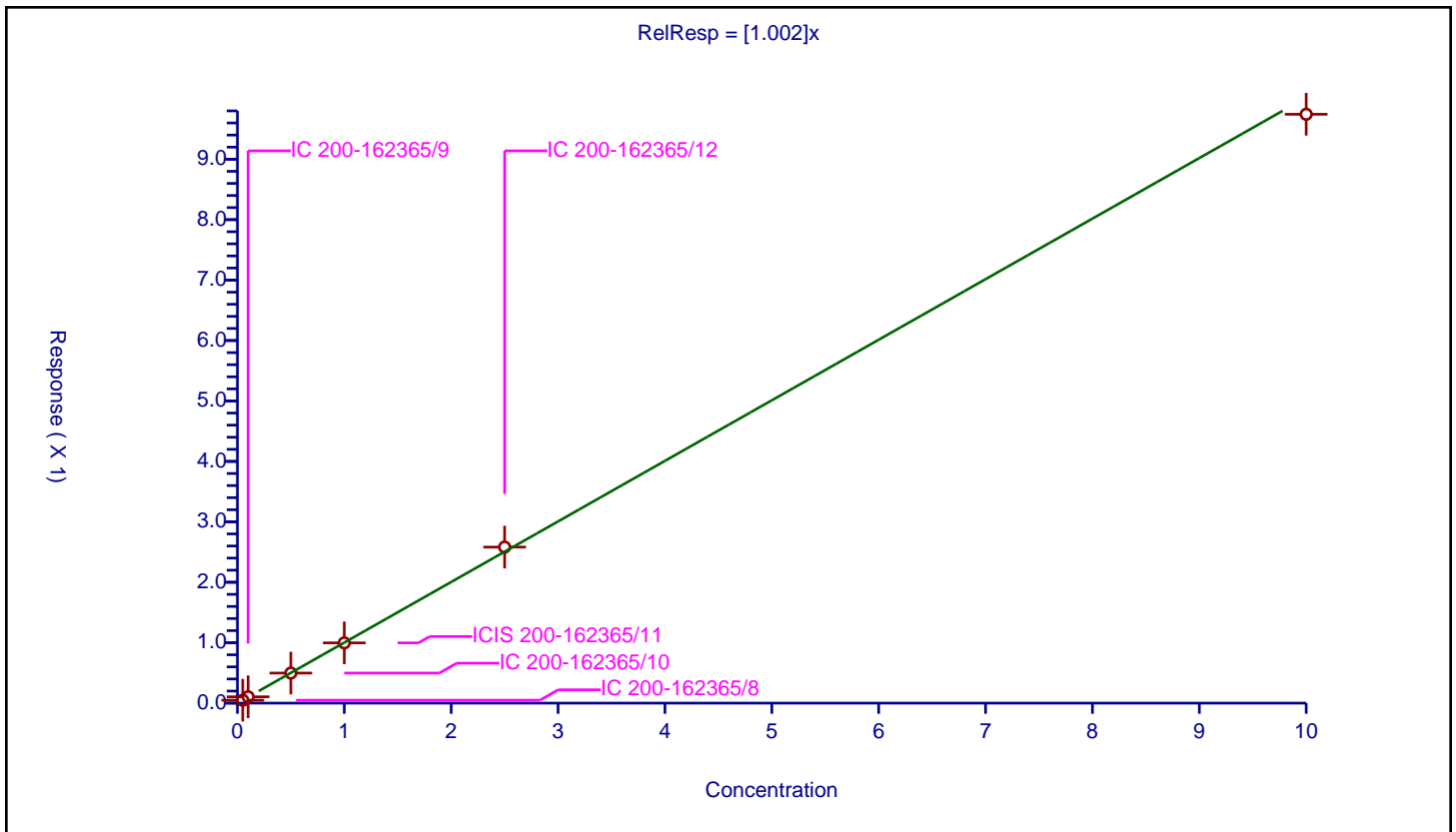
**/ Perfluorooctanesulfonamide**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	1.002

Error Coefficients	
Standard Error:	4020000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.048315	1.25	1076815.0	0.966299	Y
2	IC 200-162365/9	0.1	0.104776	1.25	1350960.0	1.047764	Y
3	IC 200-162365/10	0.5	0.497311	1.25	1063884.0	0.994622	Y
4	ICIS 200-162365/11	1.0	0.996983	1.25	1069567.0	0.996983	Y
5	IC 200-162365/12	2.5	2.581919	1.25	1040920.0	1.032768	Y
6	IC 200-162365/13	10.0	9.744193	1.25	1111429.0	0.974419	Y



**Calibration**

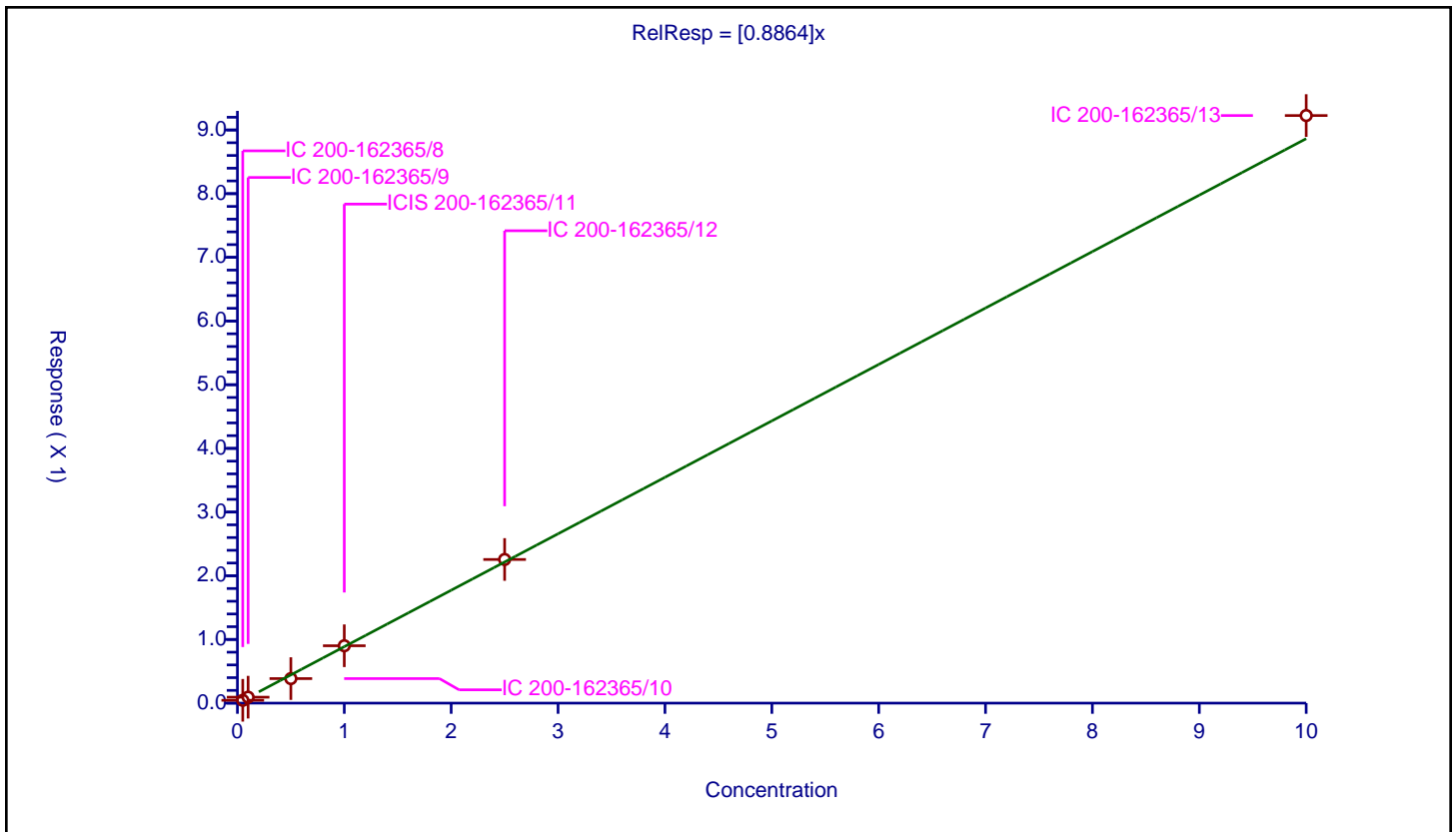
**/ N-methylperfluorooctanesulfonamidoacetic acid**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8864

Error Coefficients	
Standard Error:	180000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.044418	1.25	49895.0	0.888366	Y
2	IC 200-162365/9	0.1	0.093329	1.25	69887.0	0.933292	Y
3	IC 200-162365/10	0.5	0.385302	1.25	54321.0	0.770604	Y
4	ICIS 200-162365/11	1.0	0.900963	1.25	52781.0	0.900963	Y
5	IC 200-162365/12	2.5	2.255769	1.25	52266.0	0.902307	Y
6	IC 200-162365/13	10.0	9.226693	1.25	52838.0	0.922669	Y



**Calibration**

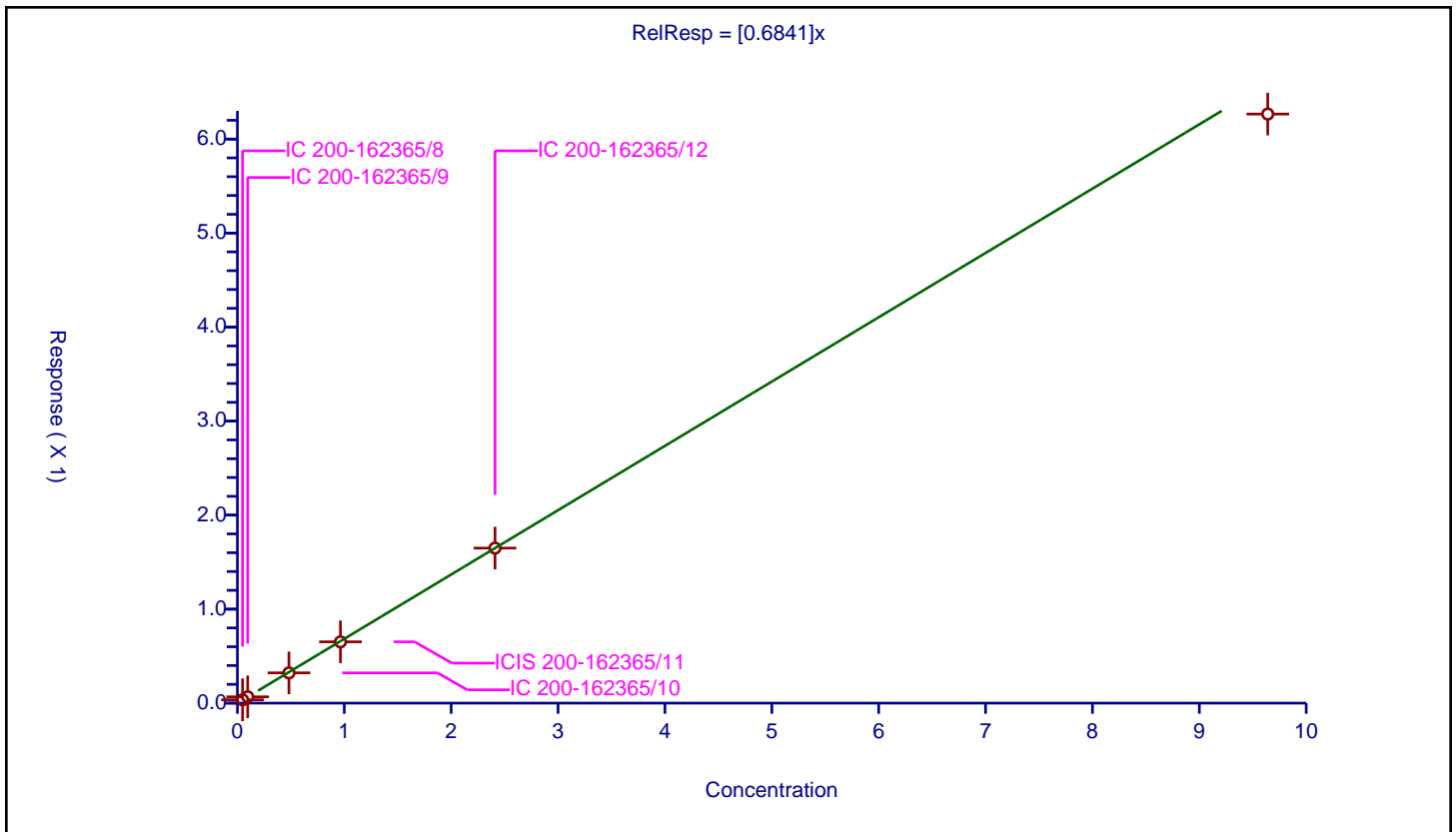
**/ Perfluorodecanesulfonic acid**

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6841

Error Coefficients	
Standard Error:	1340000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0482	0.035222	1.195	552776.0	0.730757	Y
2	IC 200-162365/9	0.0964	0.06701	1.195	682230.0	0.69512	Y
3	IC 200-162365/10	0.482	0.321957	1.195	543196.0	0.667961	Y
4	ICIS 200-162365/11	0.964	0.651984	1.195	554310.0	0.676332	Y
5	IC 200-162365/12	2.41	1.64916	1.195	529467.0	0.684299	Y
6	IC 200-162365/13	9.64	6.266194	1.195	552420.0	0.65002	Y



**Calibration**

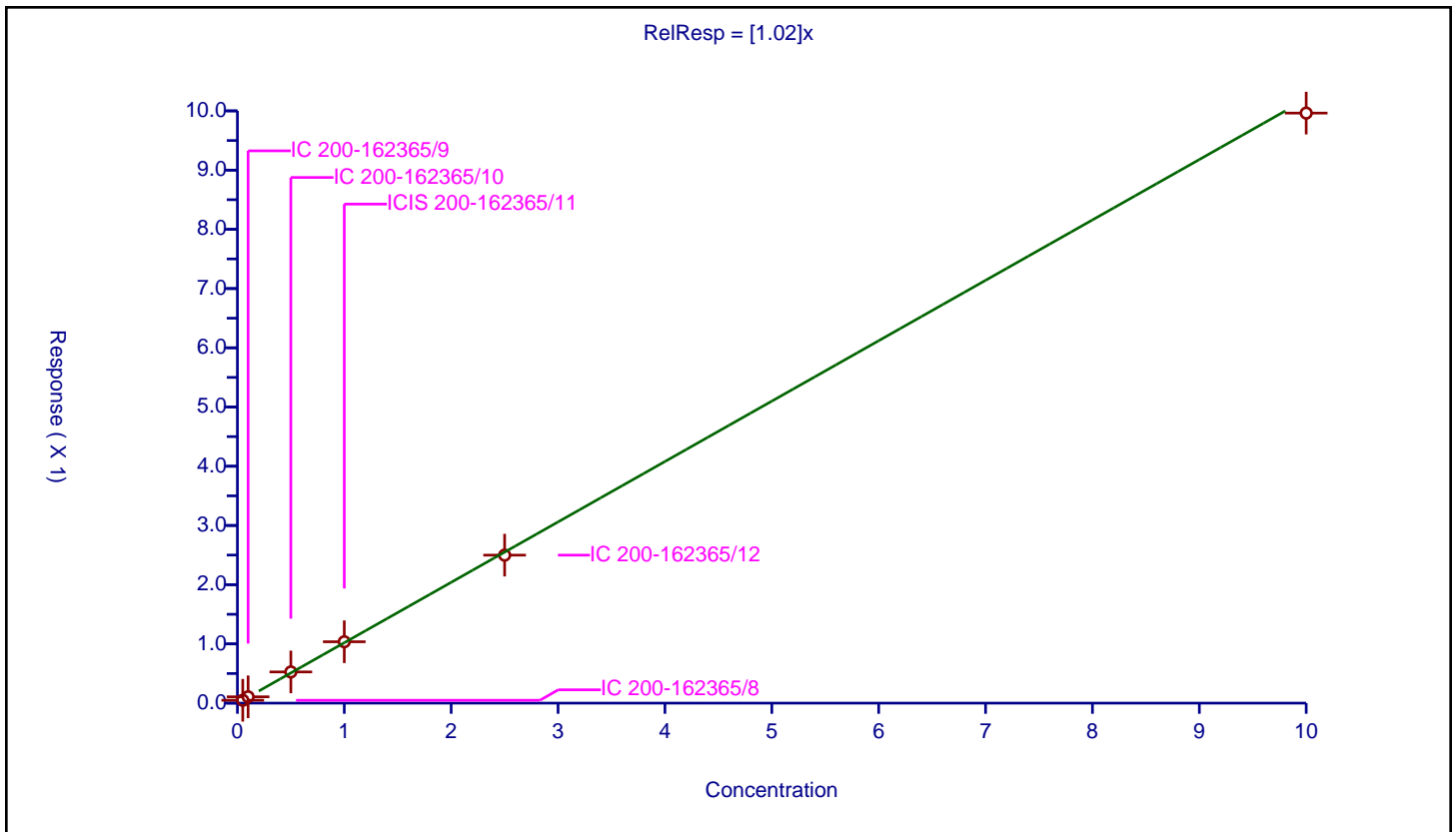
/ Perfluoroundecanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.02

Error Coefficients	
Standard Error:	2180000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.048267	1.25	632709.0	0.965333	Y
2	IC 200-162365/9	0.1	0.10681	1.25	753171.0	1.068101	Y
3	IC 200-162365/10	0.5	0.526686	1.25	580063.0	1.053373	Y
4	ICIS 200-162365/11	1.0	1.036476	1.25	595523.0	1.036476	Y
5	IC 200-162365/12	2.5	2.49874	1.25	601281.0	0.999496	Y
6	IC 200-162365/13	10.0	9.962572	1.25	589898.0	0.996257	Y



**Calibration**

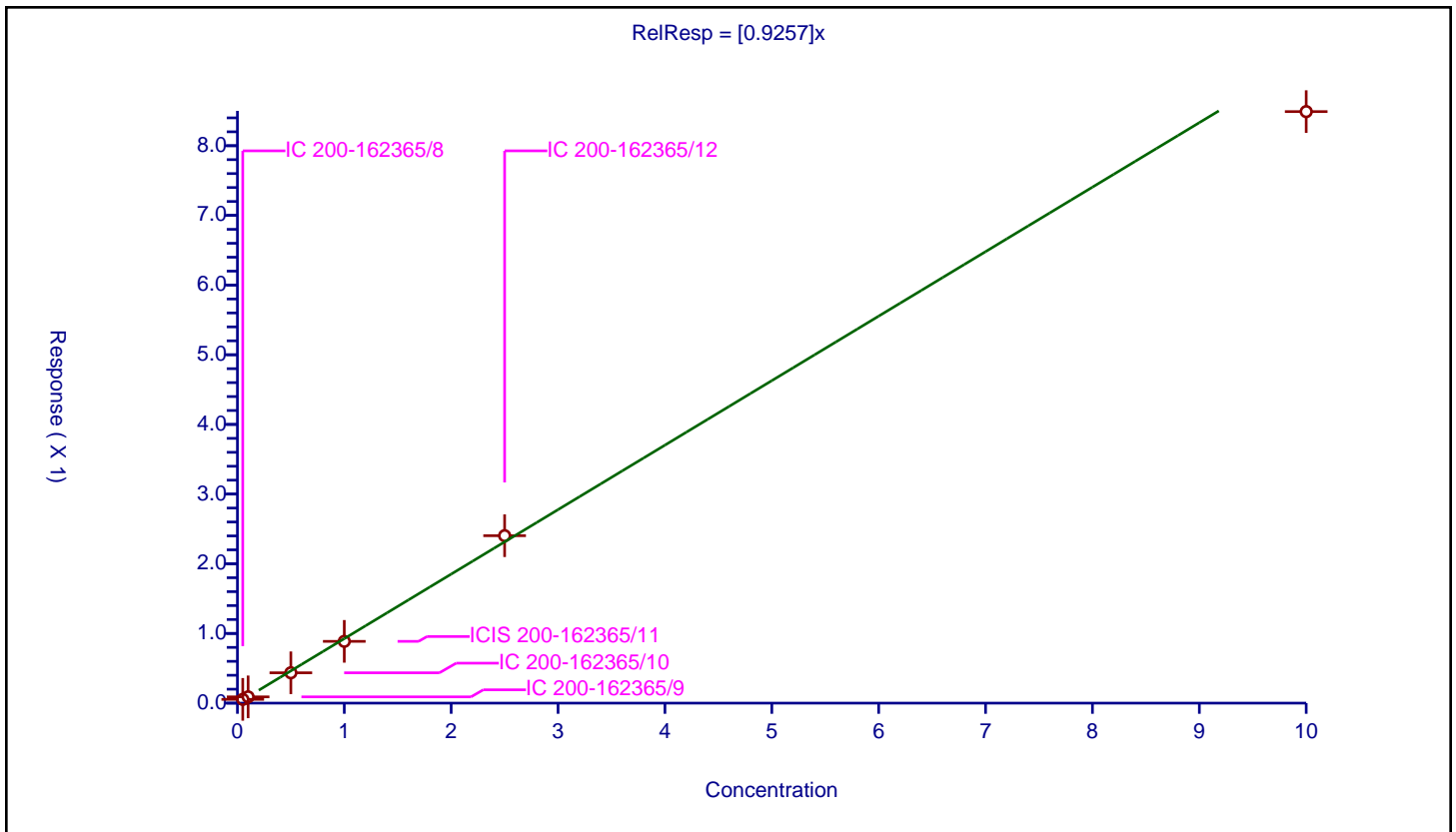
**/ N-ethylperfluorooctanesulfonamidoacetic acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	0.9257

Error Coefficients	
<b>Standard Error:</b>	166000
<b>Relative Standard Error:</b>	9.3
<b>Correlation Coefficient:</b>	1.000
<b>Coefficient of Determination (Adjusted):</b>	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.054201	1.25	49123.0	1.084014	Y
2	IC 200-162365/9	0.1	0.090203	1.25	66544.0	0.902035	Y
3	IC 200-162365/10	0.5	0.435738	1.25	52130.0	0.871475	Y
4	ICIS 200-162365/11	1.0	0.886522	1.25	50481.0	0.886522	Y
5	IC 200-162365/12	2.5	2.403003	1.25	49976.0	0.961201	Y
6	IC 200-162365/13	10.0	8.489505	1.25	52405.0	0.84895	Y



**Calibration**

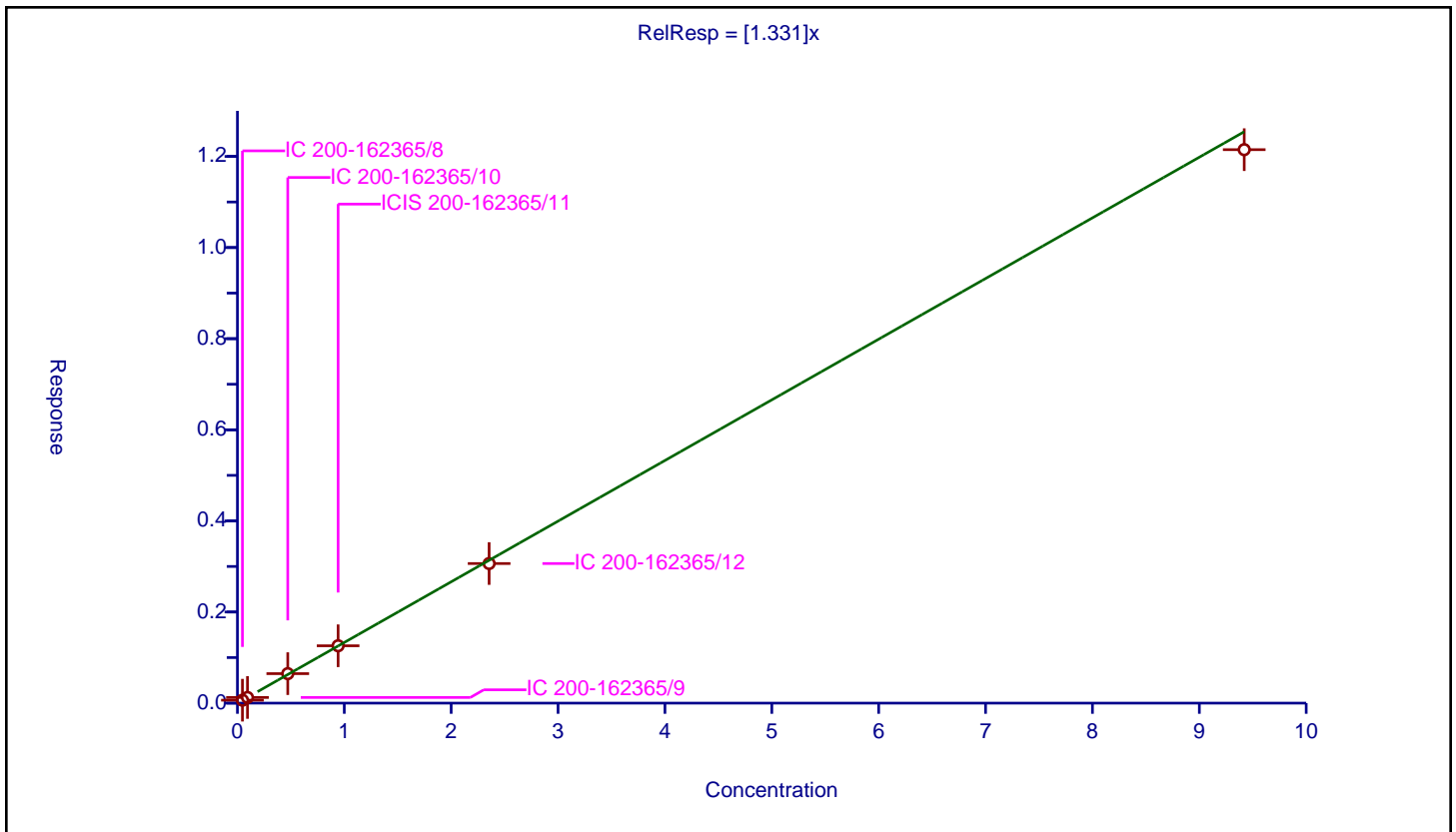
**/ 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	1.331

Error Coefficients	
Standard Error:	2600000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0471	0.064435	1.195	552776.0	1.368049	Y
2	IC 200-162365/9	0.0942	0.124242	1.195	682230.0	1.318913	Y
3	IC 200-162365/10	0.471	0.647252	1.195	543196.0	1.374207	Y
4	ICIS 200-162365/11	0.942	1.259108	1.195	554310.0	1.336633	Y
5	IC 200-162365/12	2.355	3.064453	1.195	529467.0	1.301254	Y
6	IC 200-162365/13	9.42	12.148924	1.195	552420.0	1.289695	Y



**Calibration**

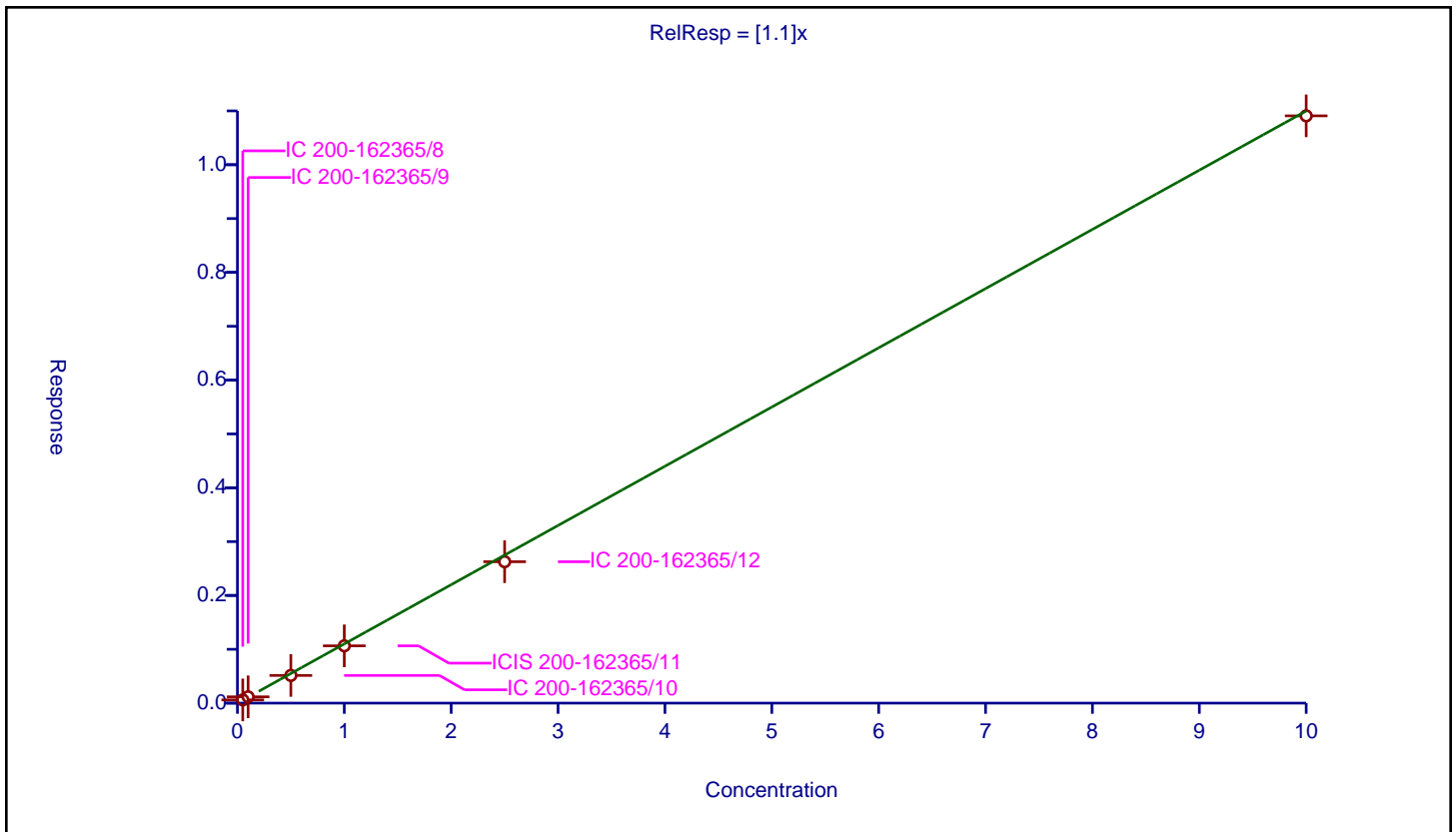
**/ Perfluorododecanoic acid**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
Intercept:	0
Slope:	1.1

Error Coefficients	
Standard Error:	2550000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.059695	1.25	640188.0	1.193907	Y
2	IC 200-162365/9	0.1	0.117086	1.25	777582.0	1.170857	Y
3	IC 200-162365/10	0.5	0.514375	1.25	642314.0	1.028749	Y
4	ICIS 200-162365/11	1.0	1.064268	1.25	641373.0	1.064268	Y
5	IC 200-162365/12	2.5	2.626358	1.25	623891.0	1.050543	Y
6	IC 200-162365/13	10.0	10.90786	1.25	631964.0	1.090786	Y





**Calibration**

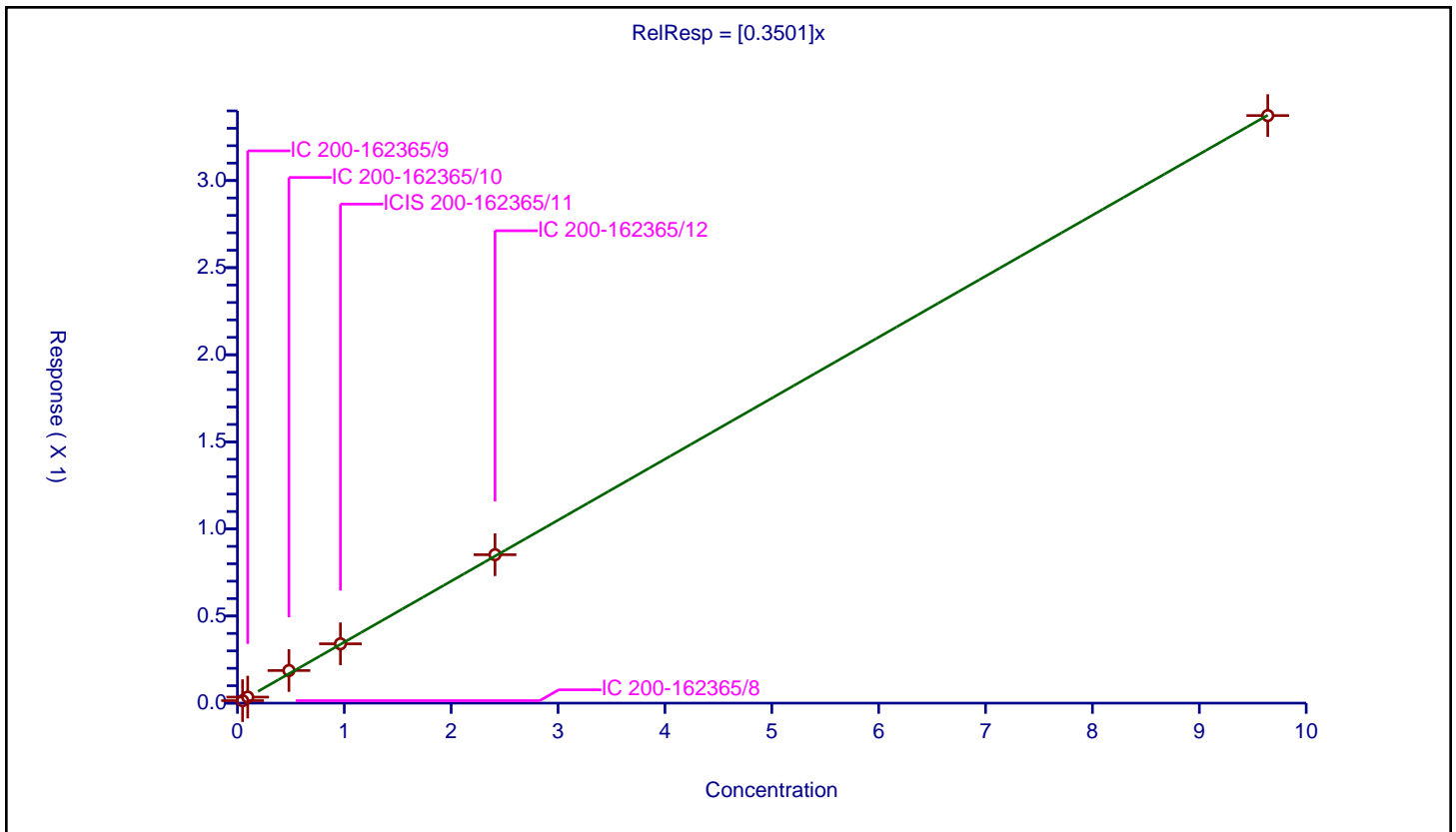
/ 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3501

Error Coefficients	
Standard Error:	138000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0482	0.014282	1.1975	107657.0	0.296313	Y
2	IC 200-162365/9	0.0964	0.034634	1.1975	125650.0	0.35927	Y
3	IC 200-162365/10	0.482	0.187219	1.1975	100274.0	0.388421	Y
4	ICIS 200-162365/11	0.964	0.340654	1.1975	100569.0	0.353376	Y
5	IC 200-162365/12	2.41	0.852056	1.1975	101608.0	0.35355	Y
6	IC 200-162365/13	9.64	3.37311	1.1975	105624.0	0.349908	Y



**Calibration**

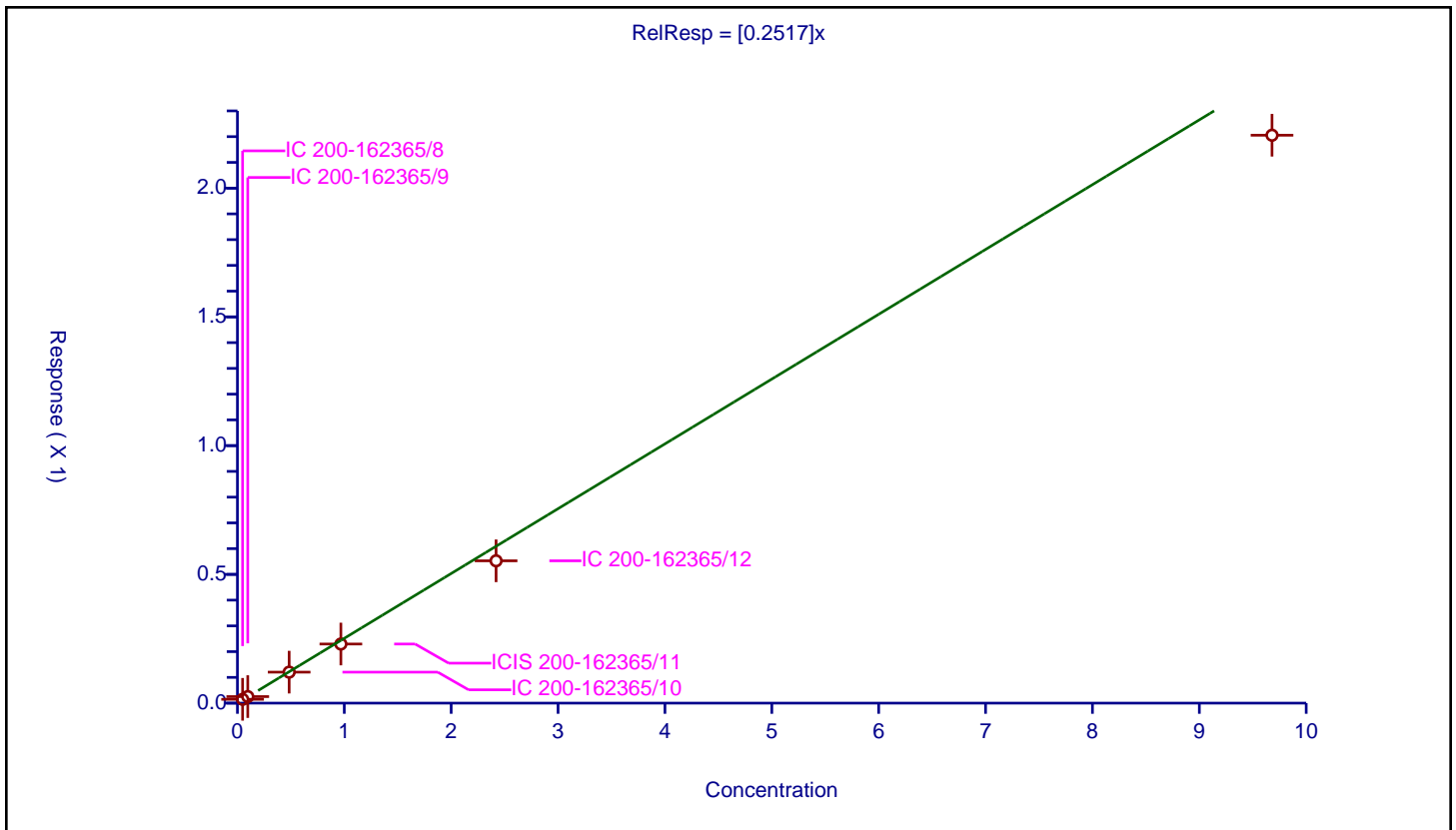
**/ Perfluorododecanesulfonic acid (PFDoS)**

**Curve Type:** Average  
**Weighting:** Conc\_Sq  
**Origin:** Force  
**Dependency:** Response  
**Calib Mode:** IsoDil  
**Response Base:** AREA  
**RF Rounding:** 0

Curve Coefficients	
<b>Intercept:</b>	0
<b>Slope:</b>	0.2517

Error Coefficients	
<b>Standard Error:</b>	472000
<b>Relative Standard Error:</b>	11.7
<b>Correlation Coefficient:</b>	1.000
<b>Coefficient of Determination (Adjusted):</b>	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0484	0.014793	1.195	552776.0	0.305647	Y
2	IC 200-162365/9	0.0968	0.025405	1.195	682230.0	0.262452	Y
3	IC 200-162365/10	0.484	0.120328	1.195	543196.0	0.248612	Y
4	ICIS 200-162365/11	0.968	0.229601	1.195	554310.0	0.237191	Y
5	IC 200-162365/12	2.42	0.552646	1.195	529467.0	0.228366	Y
6	IC 200-162365/13	9.68	2.205461	1.195	552420.0	0.227837	Y



**Calibration**

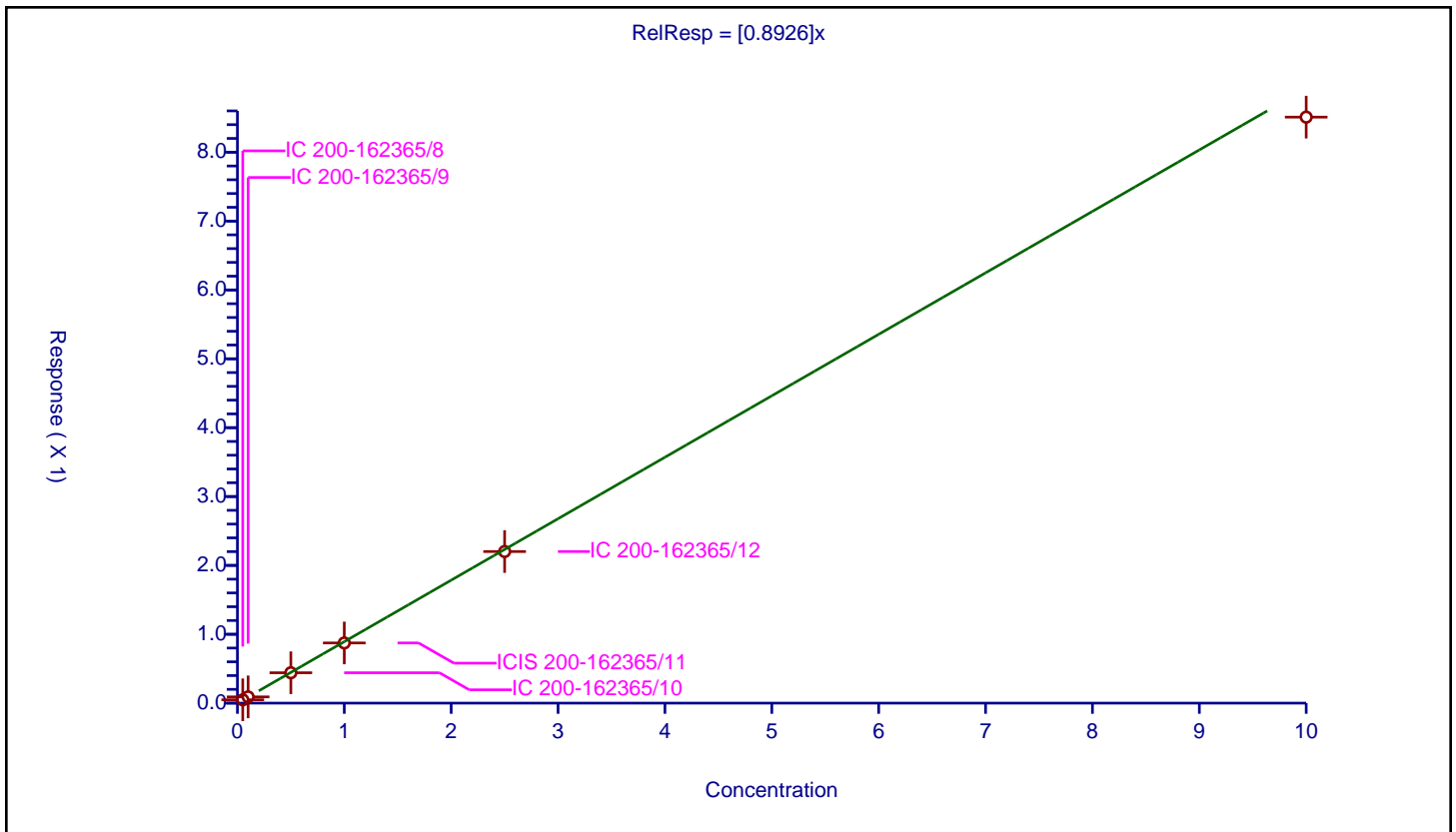
/ Perfluorotridecanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8926

Error Coefficients	
Standard Error:	2000000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.048015	1.25	640188.0	0.960304	Y
2	IC 200-162365/9	0.1	0.090765	1.25	777582.0	0.907653	Y
3	IC 200-162365/10	0.5	0.44111	1.25	642314.0	0.88222	Y
4	ICIS 200-162365/11	1.0	0.873994	1.25	641373.0	0.873994	Y
5	IC 200-162365/12	2.5	2.201023	1.25	623891.0	0.880409	Y
6	IC 200-162365/13	10.0	8.509316	1.25	631964.0	0.850932	Y



**Calibration**

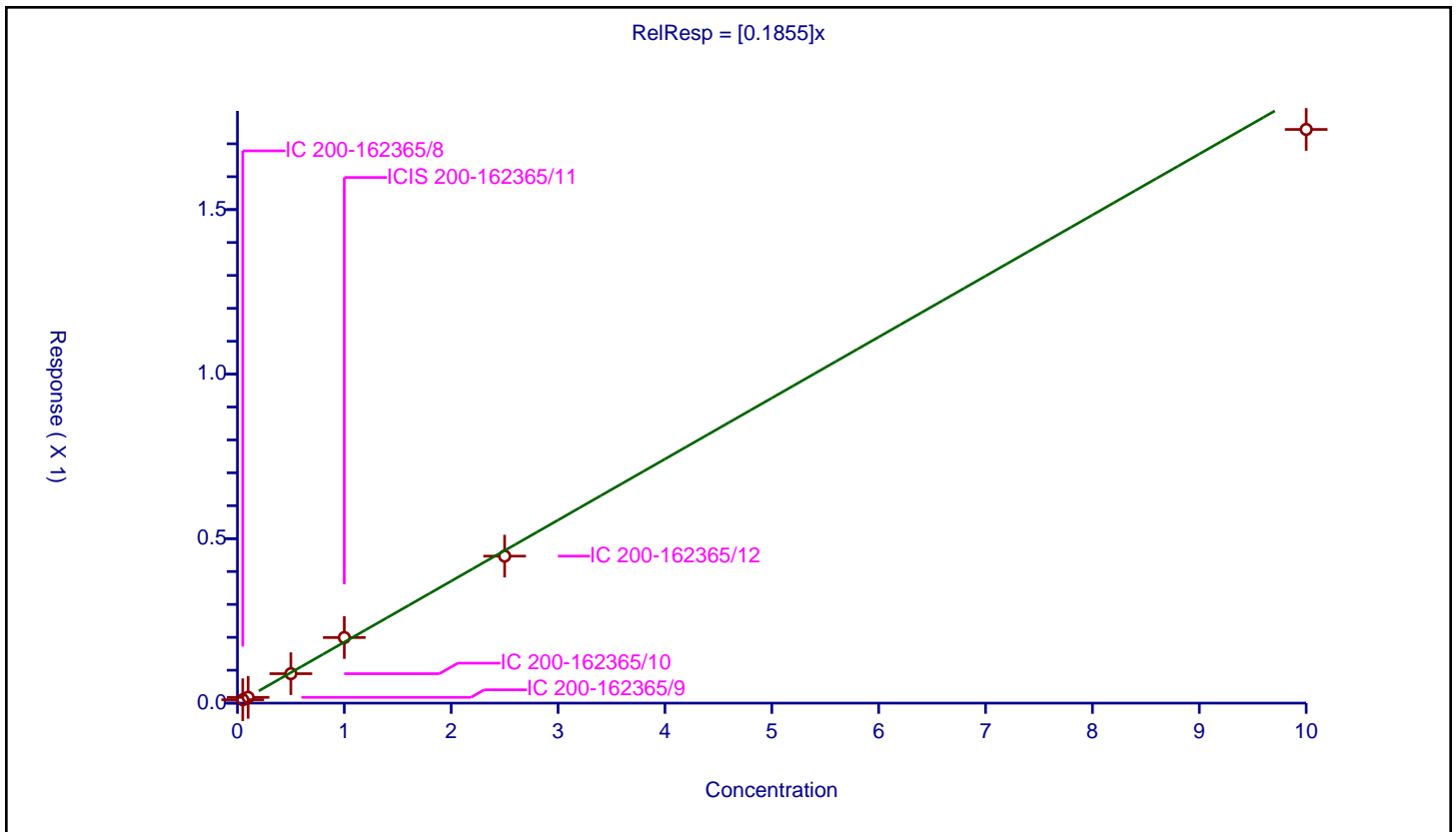
/ Perfluorotetradecanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1855

Error Coefficients	
Standard Error:	306000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.010291	1.25	460978.0	0.205812	Y
2	IC 200-162365/9	0.1	0.017546	1.25	598063.0	0.175462	Y
3	IC 200-162365/10	0.5	0.089521	1.25	480039.0	0.179043	Y
4	ICIS 200-162365/11	1.0	0.199316	1.25	450404.0	0.199316	Y
5	IC 200-162365/12	2.5	0.446767	1.25	469963.0	0.178707	Y
6	IC 200-162365/13	10.0	1.743623	1.25	471704.0	0.174362	Y



**Calibration**

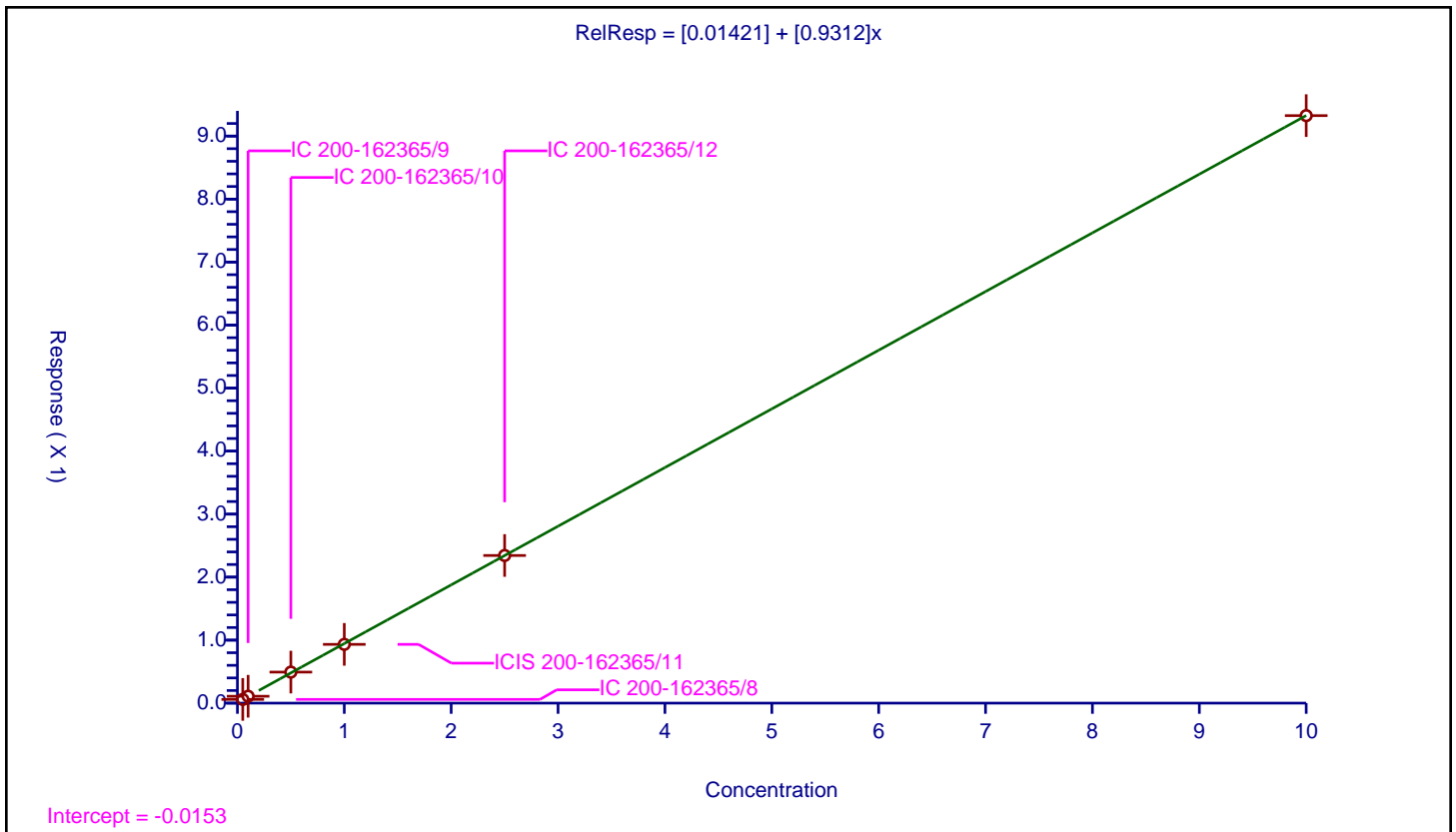
/ Perfluorohexadecanoic acid

Curve Type: Linear  
 Weighting: Conc  
 Origin: None  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.01421
Slope:	0.9312

Error Coefficients	
Standard Error:	1950000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.059041	1.25	493765.0	1.180825	Y
2	IC 200-162365/9	0.1	0.109457	1.25	635237.0	1.094572	Y
3	IC 200-162365/10	0.5	0.492643	1.25	497203.0	0.985287	Y
4	ICIS 200-162365/11	1.0	0.932632	1.25	496455.0	0.932632	Y
5	IC 200-162365/12	2.5	2.343435	1.25	505699.0	0.937374	Y
6	IC 200-162365/13	10.0	9.324608	1.25	502634.0	0.932461	Y



**Calibration**

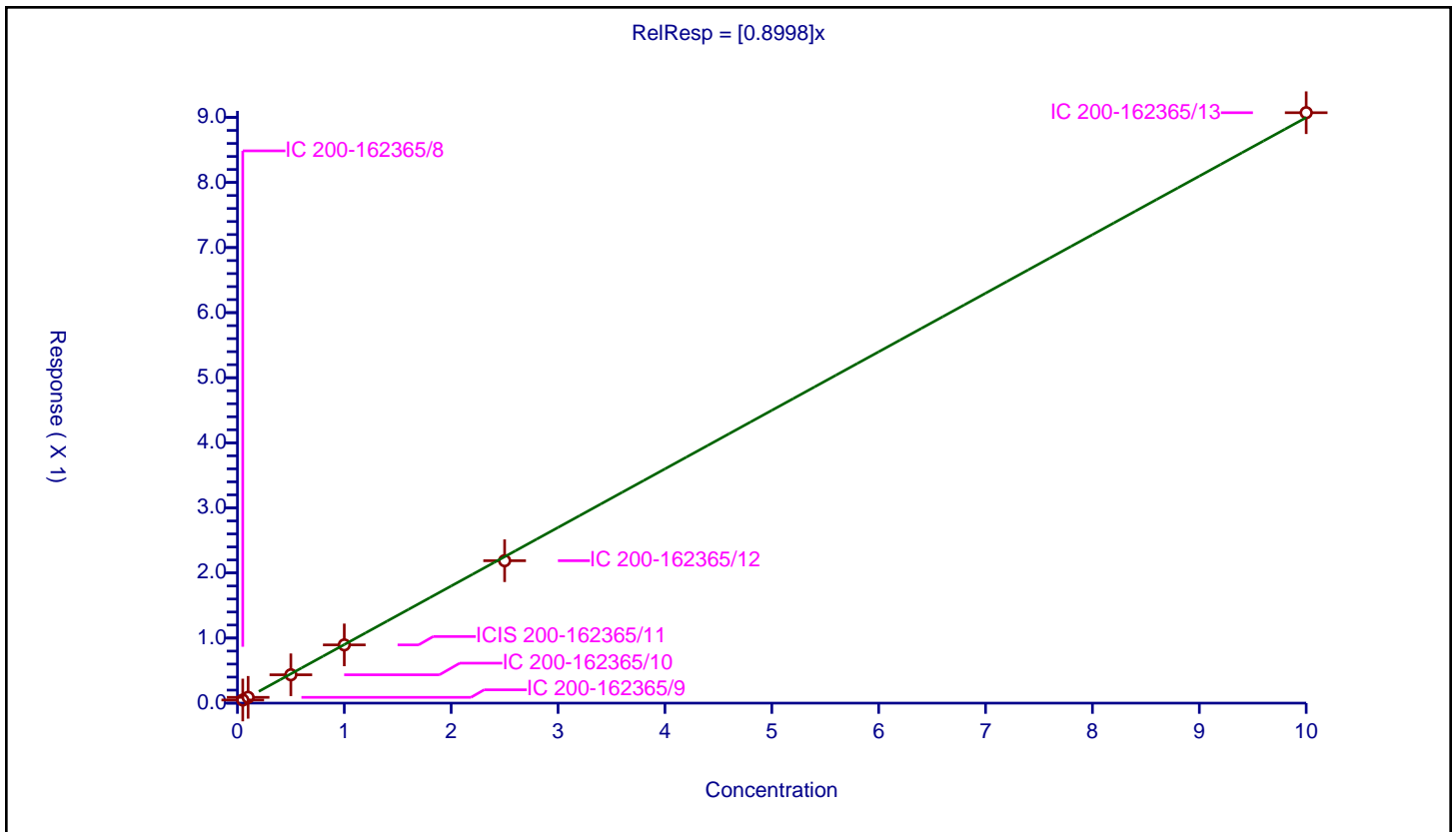
/ Perfluorooctadecanoic acid

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: IsoDil  
 Response Base: AREA  
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8998

Error Coefficients	
Standard Error:	1690000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.047925	1.25	493765.0	0.958503	Y
2	IC 200-162365/9	0.1	0.089138	1.25	635237.0	0.89138	Y
3	IC 200-162365/10	0.5	0.435677	1.25	497203.0	0.871354	Y
4	ICIS 200-162365/11	1.0	0.894797	1.25	496455.0	0.894797	Y
5	IC 200-162365/12	2.5	2.188251	1.25	505699.0	0.8753	Y
6	IC 200-162365/13	10.0	9.072165	1.25	502634.0	0.907217	Y



FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-162365/15 Calibration Date: 12/22/2020 13:46  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA201222ICAL015.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9674		0.965	1.00	-3.5	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.153		1.05	1.01	4.2	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.058		0.935	1.00	-6.5	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.918		1.05	1.00	4.6	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.036		0.958	1.01	-5.2	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.370		1.04	1.00	4.4	50.0
HFPO-DA	AveID	1.385	1.363		0.994	1.01	-1.6	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.016		0.931	1.00	-6.9	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.137		0.975	1.01	-3.5	40.0
DONA	AveID	3.349	3.129		0.935	1.00	-6.5	50.0
6:2 FTS	AveID	1.112	1.090		0.980	1.00	-2.0	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.275		0.944	1.00	-5.6	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.062		0.980	1.00	-2.0	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	0.9652		0.848	1.01	-16.1	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.200		1.09	1.00	8.5	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.300		1.01	1.00	1.3	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8222		0.968	1.01	-4.2	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.023		0.993	1.00	-0.7	40.0
8:2 FTS	AveID	0.6801	0.6225		0.924	1.01	-8.5	40.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.002	1.004		1.00	1.00	0.2	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.8651		0.976	1.00	-2.4	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6555		0.968	1.01	-4.2	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	0.9743		0.955	1.00	-4.5	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.8563		0.925	1.00	-7.5	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.310		0.984	1.00	-1.6	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	0.9696		0.882	1.00	-11.8	40.0
10:2 FTS	AveID	0.3501	0.3510		0.966	0.964	0.2	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2191		0.842	0.968	-13.0	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.7434		0.833	1.00	-16.7	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.2040		1.10	1.00	10.0	40.0

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-162365/15 Calibration Date: 12/22/2020 13:46  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA201222ICAL015.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9228		0.976	1.00	-2.4	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8197		0.911	1.00	-8.9	50.0
13C4 PFBA	Ave	1.343	1.440		1.34	1.25	7.2	50.0
13C5 PFPeA	Ave	0.9710	1.024		1.32	1.25	5.4	50.0
13C3 PFBS	Ave	1.278	1.420		1.29	1.16	11.1	50.0
M2-4:2 FTS	Ave	0.1066	0.1123		1.23	1.17	5.3	50.0
13C2 PFHxA	Ave	1.018	1.119		1.38	1.25	10.0	50.0
13C3 HFPO-DA	Ave	0.1792	0.1826		1.27	1.25	1.9	50.0
13C4 PFHpA	Ave	0.9742	1.059		1.36	1.25	8.7	50.0
18O2 PFHxS	Ave	0.9511	0.999		1.24	1.18	5.1	50.0
M2-6:2 FTS	Ave	0.1187	0.1266		1.27	1.19	6.6	50.0
13C4 PFOA	Ave	0.9896	1.051		1.33	1.25	6.2	50.0
13C4 PFOS	Ave	0.6528	0.7140		1.31	1.20	9.4	50.0
13C5 PFNA	Ave	0.8730	0.9003		1.29	1.25	3.1	50.0
13C2 PFDA	Ave	0.8346	0.8982		1.35	1.25	7.6	50.0
M2-8:2 FTS	Ave	0.1225	0.1369		1.34	1.20	11.8	50.0
13C8 FOSA	Ave	1.227	1.319		1.34	1.25	7.5	50.0
d3-NMeFOSAA	Ave	0.0605	0.0711		1.47	1.25	17.4	50.0
13C2 PFUnA	Ave	0.6856	0.7424		1.35	1.25	8.3	50.0
d5-NEtFOSAA	Ave	0.0585	0.0669		1.43	1.25	14.3	50.0
13C2 PFDoA	Ave	0.7238	0.7700		1.33	1.25	6.4	50.0
13C2 PFTeDA	Ave	0.5353	0.5430		1.27	1.25	1.4	50.0
13C2 PFHxDA	Ave	0.5718	0.5982		1.31	1.25	4.6	50.0



Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
 Lims ID: ICV  
 Client ID:  
 Sample Type: ICV  
 Inject. Date: 22-Dec-2020 13:46:11 ALS Bottle#: 9 Worklist Smp#: 15  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: ICV  
 Misc. Info.: 200-0044184-015 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist:

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 17:35:49 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 14:47:35

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.089	2.091	-0.002	0.598	1286706	1.34	107	10620	
2 Perfluorobutanoic acid	212.90 > 169.00	2.089	2.091	-0.002	1.000	995801	0.9655		134	
D 3 13C5 PFPeA	267.90 > 223.00	2.411	2.414	-0.003	0.690	914675	1.32	105	3225	
4 Perfluoropentanoic acid	262.90 > 219.00	2.411	2.414	-0.003	1.000	852414	1.05		34.1	
D 47 13C3 PFBS	301.90 > 80.00	2.424	2.427	-0.003	0.694	1179594	1.29	111	210514	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.424	2.427	-0.003	1.000	1073531	0.9352	Target=2.21	1837	
	298.90 > 99.00	2.424	2.427	-0.003	1.000	477983		2.25(1.11-3.32)	479	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.732	2.735	-0.003	1.000	153901	1.05		2132	
D 60 M2-4:2 FTS	329.00 > 81.00	2.732	2.735	-0.003	0.782	93671	1.23	105	95.9	M
D 7 13C2 PFHxA	315.00 > 270.00	2.768	2.771	-0.003	0.793	999764	1.37	110	3166	
6 Perfluorohexanoic acid	313.00 > 269.00	2.768	2.771	-0.003	1.000	837002	0.9579	Target=12.83	226	
	313.00 > 119.00	2.768	2.771	-0.003	1.000	69550		12.03(6.42-19.25)	131	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.768	2.771	-0.003	0.884	978046	1.04	Target=3.35	1810	
	349.00 > 99.00	2.768	2.771	-0.003	0.884	290538		3.37(1.67-5.02)	531	
67 Perfluoro(2-propoxypropanoic) ac	329.10 > 285.00	2.878	2.881	-0.003	1.004	179615	0.99		21.8	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.866	2.881	-0.015	0.821	163101	1.27		102	882	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	844475	1.24		105	2048	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.132	3.133	-0.001	1.000	820382	0.9748	Target=4.15		775	
399.00 > 99.00	3.132	3.133	-0.001	1.000	195522		4.20(2.08-6.23)		191	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	946108	1.36		109	3648	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	769336	0.9306	Target=3.66		186	
363.00 > 169.00	3.132	3.133	-0.001	1.000	217871		3.53(1.83-5.49)		561	
77 DONA										
377.00 > 251.00	3.175	3.176	-0.001	0.835	1596917	0.9345	Target=2.43		1596	M
377.00 > 85.00	3.175	3.176	-0.001	0.835	673298		2.37(1.22-3.65)		635	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.483	3.484	-0.001	0.916	650457	0.9440	Target=5.95		1952	M
449.00 > 99.00	3.483	3.484	-0.001	0.916	113064		5.75(2.98-8.93)		662	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	107444	1.27		107	391	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	98603	0.9797			1058	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	939234	1.33		106	3545	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		893380	1.25			3800	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.492	3.493	-0.001	1.000	798260	0.9801	Target=2.58		173	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	313074		2.55(1.29-3.87)		556	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	609835	1.31		109	1419	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.804	3.806	-0.002	1.000	497497	0.8476	Target=5.65		745	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	83138		5.98(2.82-8.47)		315	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	804349	1.29		103	3803	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	772486	1.08	Target=7.44		124	
463.00 > 169.00	3.825	3.826	-0.001	1.000	108335		7.13(3.72-11.16)		1027	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.974	3.967	0.007	1.045	663606	1.01			2073	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	423805	0.9678	Target=2.54		2252	
549.00 > 99.00	4.093	4.095	-0.002	1.076	149231		2.84(1.27-3.81)		422	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	802424	1.35		108	3715	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	656856	0.99	Target=9.29		415	
513.00 > 169.00	4.126	4.129	-0.003	1.000	77788		8.44(4.64-13.93)		600	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.137	4.140	-0.003	1.000	61523	0.9245			601	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.140	-0.003	1.185	117176	1.34		112	929	
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1178726	1.34		108	2916	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.207	0.008	1.002	946696	1.00			1585	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.272	-0.004	1.222	63495	1.47		117	135	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	43943	0.9760			183	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	337879	0.9679	Target=2.80		1567	
599.00 > 99.00	4.358	4.362	-0.004	1.146	116326		2.90(1.40-4.19)		464	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	663214	1.35		108	3106	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	516949	0.9554	Target=8.12		189	
563.00 > 169.00	4.391	4.395	-0.004	1.000	63288		8.17(4.06-12.18)		786	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	59742	1.43		114	454	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.402	4.406	-0.004	1.000	40925	0.9250			425	M M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	668588	0.9840			2444	
D 36 13C2 PFDaA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	687932	1.33		106	2818	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	533635	0.8816	Target=6.91		129	
613.00 > 169.00	4.622	4.626	-0.004	1.000	79300		6.73(3.45-10.36)		1061	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.642	4.637	0.005	1.122	33105	0.9662			862	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.801	4.797	0.004	1.262	108210	0.8425	Target=0.51		337	
699.00 > 99.00	4.801	4.797	0.004	1.262	213860		0.51(0.26-0.77)		928	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	409140	0.8329	Target=4.39		128	
663.00 > 169.00	4.834	4.839	-0.005	1.046	96668		4.23(2.20-6.59)		916	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	485141	1.27		101	2501	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.033	5.027	0.006	1.002	79193	1.10	Target=1.06		1257	
713.00 > 219.00	5.024	5.027	-0.003	1.000	78129		1.01(0.53-1.59)		2313	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.383	5.374	0.009	1.541	534444	1.31		105	2052	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.383	5.374	0.009	1.000	394543	0.9757	Target=3.84		122	
813.00 > 169.00	5.383	5.374	0.009	1.000	97920		4.03(1.92-5.76)		1211	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.729	5.722	0.007	1.064	350452	0.9110	Target=3.92		214	
913.00 > 169.00	5.720	5.722	-0.002	1.063	90477		3.87(1.96-5.88)		762	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

LCPFAS28NCICV\_00006

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d

Injection Date: 22-Dec-2020 13:46:11

Instrument ID: LC812

Lims ID: ICV

Client ID:

Operator ID: lc812tech

ALS Bottle#: 9

Worklist Smp#: 15

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

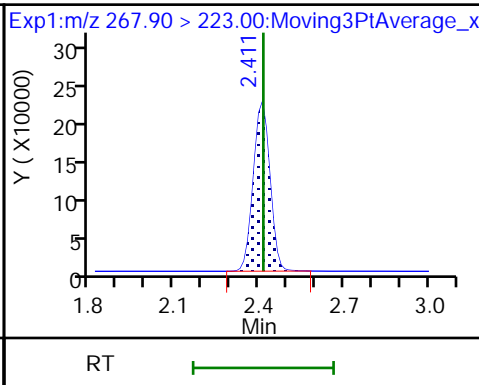
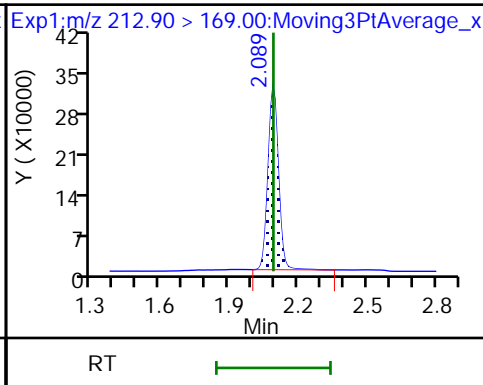
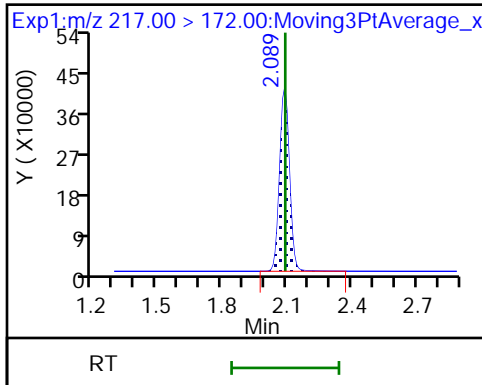
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

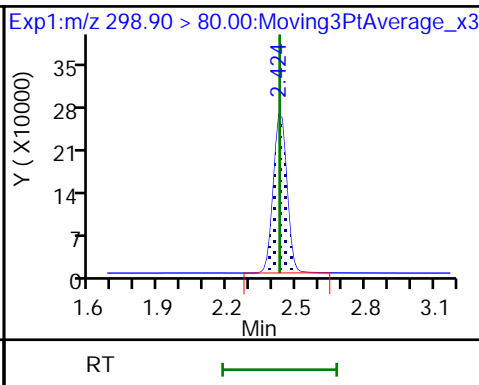
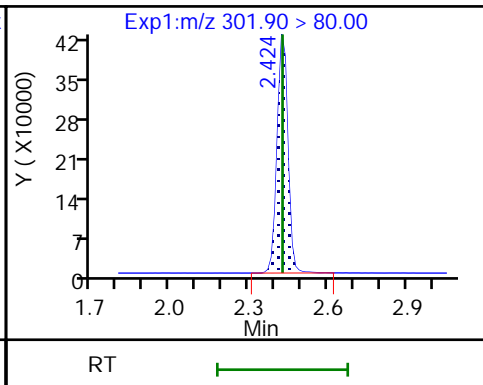
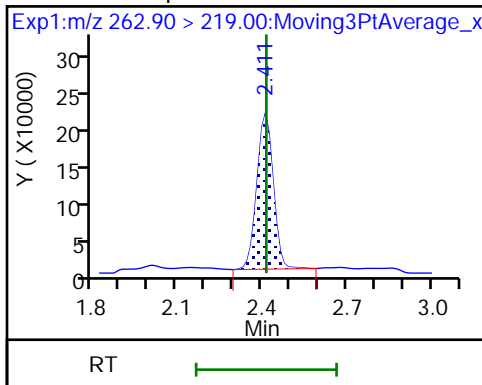
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

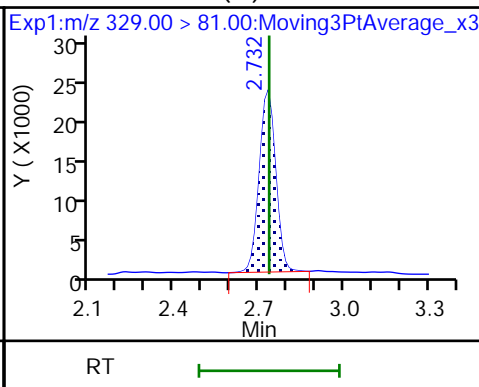
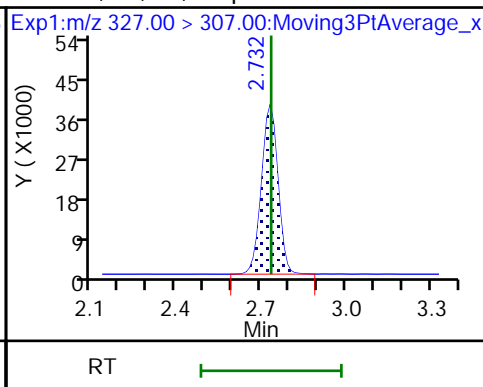
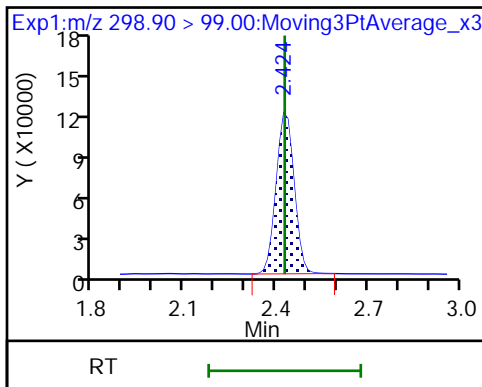
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

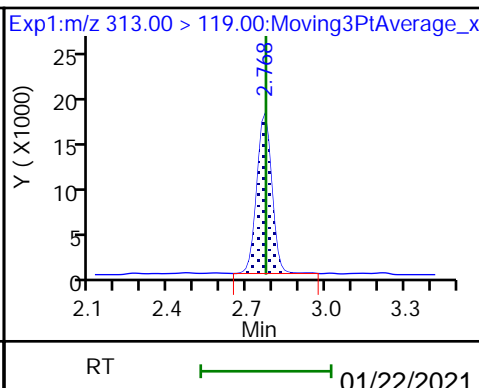
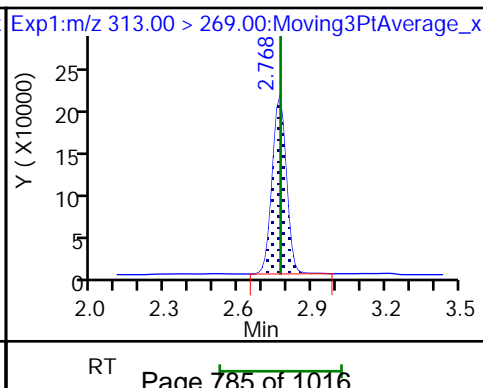
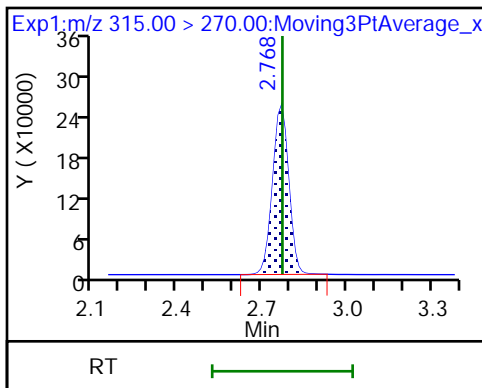
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

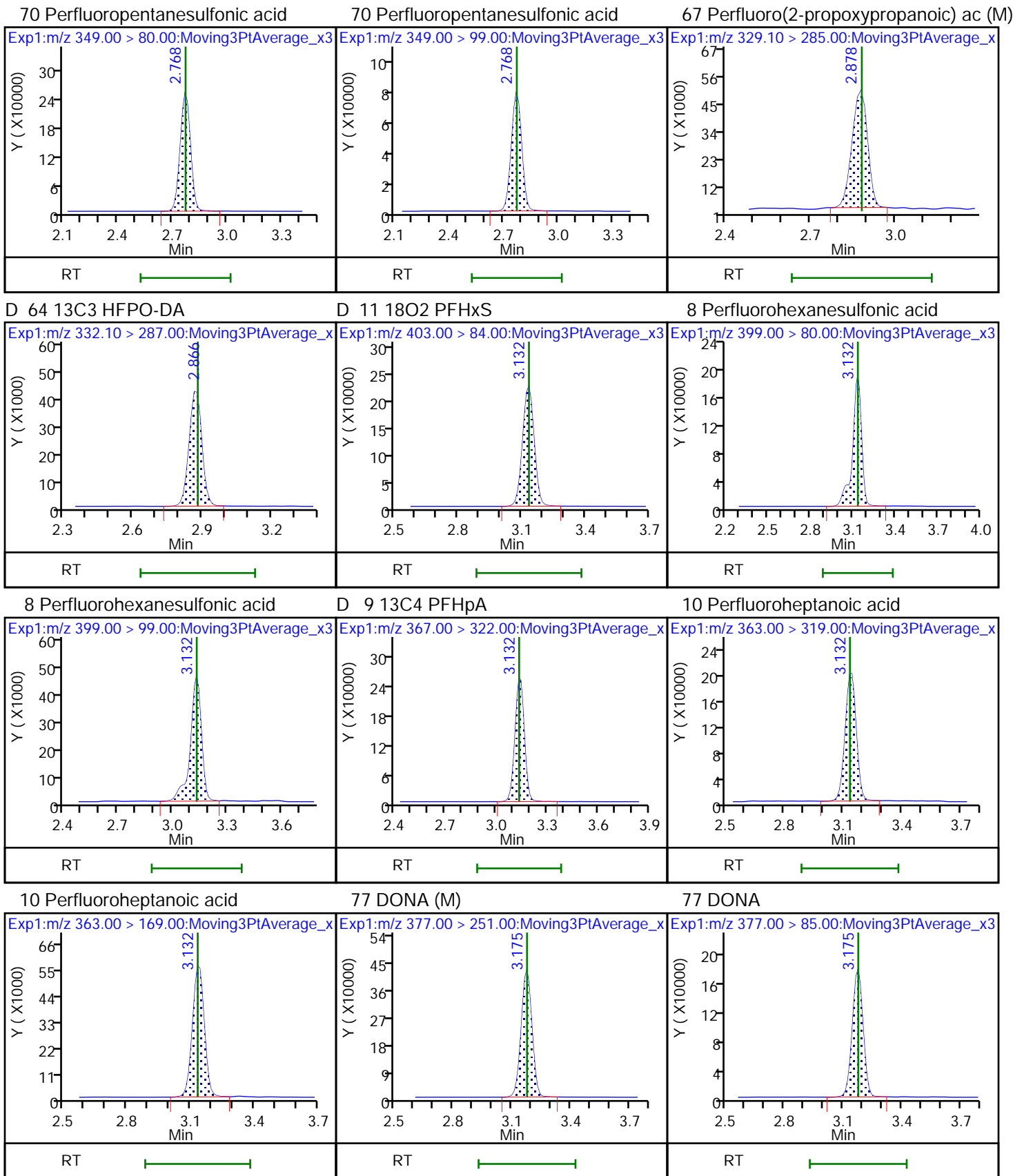


D 7 13C2 PFHxA

6 Perfluorohexanoic acid

6 Perfluorohexanoic acid

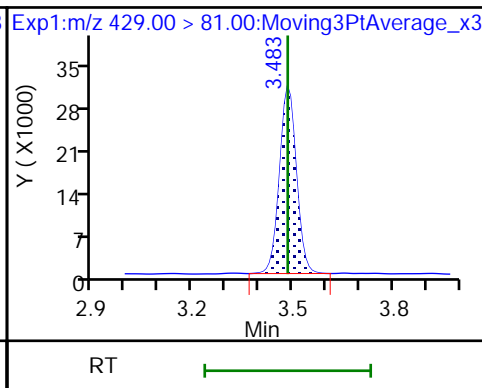
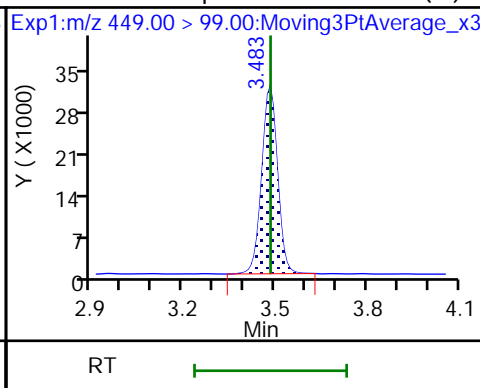
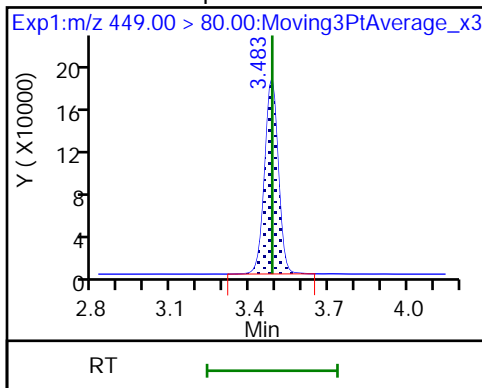




16 Perfluoroheptanesulfonic acid

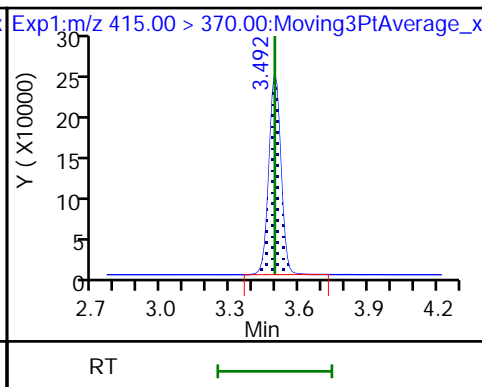
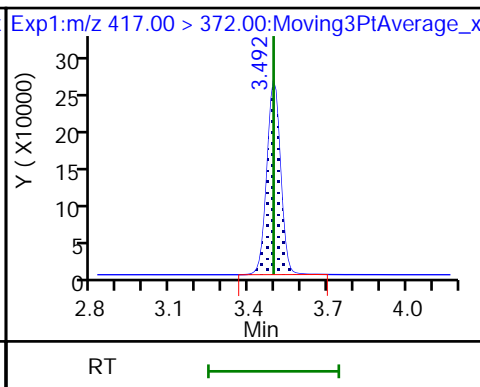
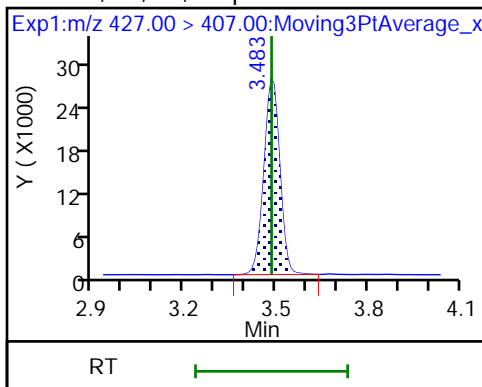
16 Perfluoroheptanesulfonic acid (M)

D 12 M2-6:2 FTS



13 1H,1H,2H,2H-perfluorooctanesulfo D 14 13C4 PFOA

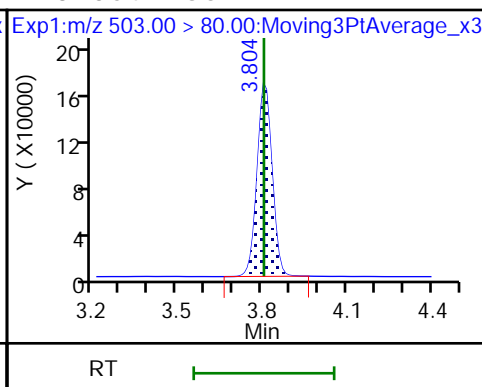
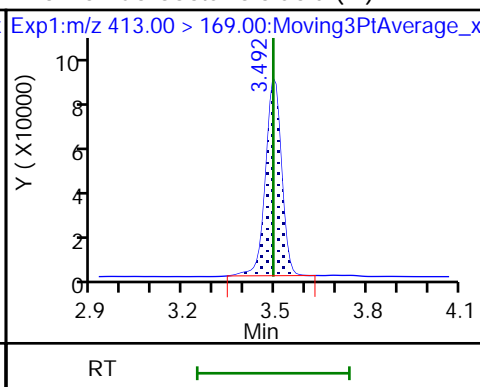
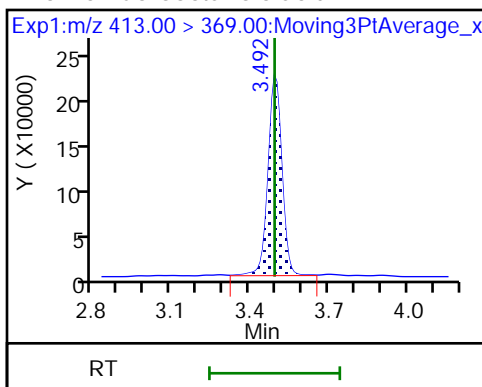
\* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

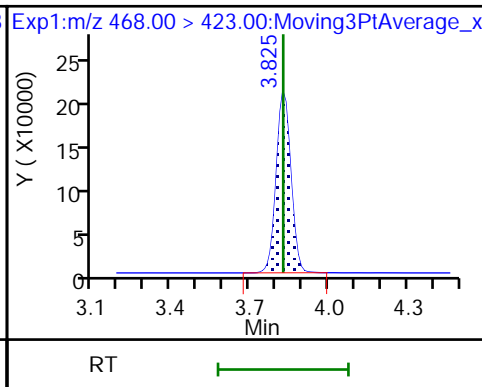
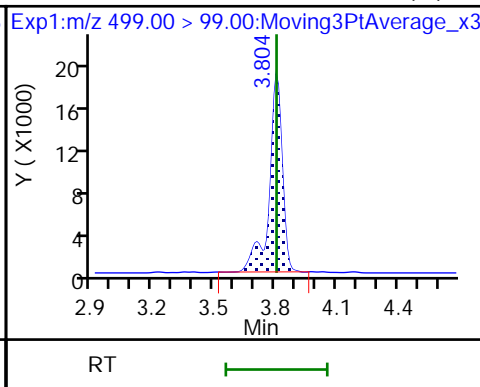
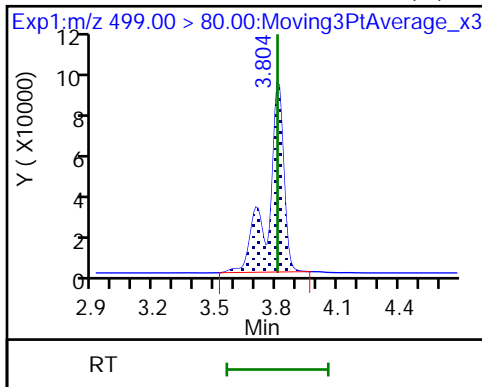
D 18 13C4 PFOS

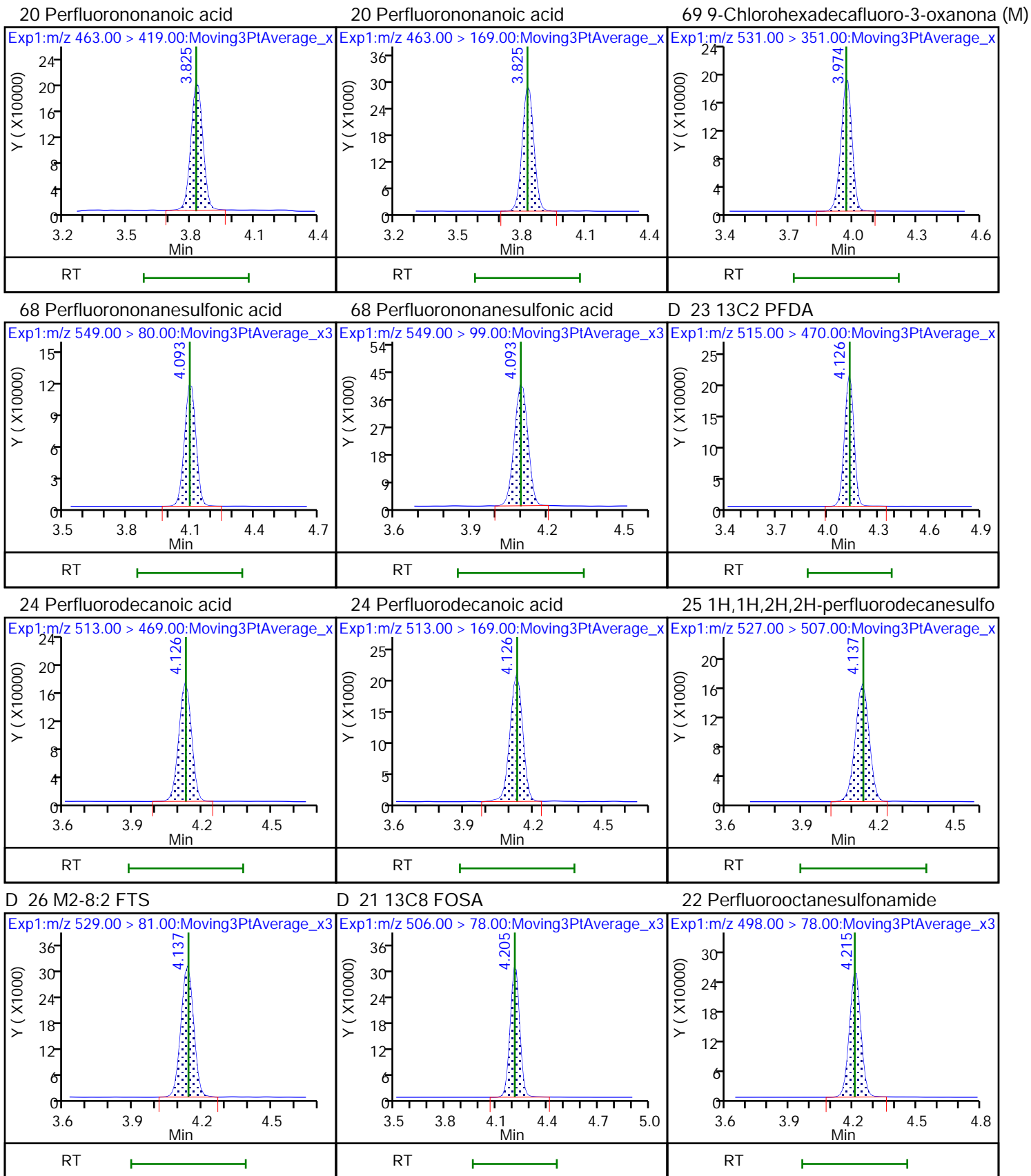


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA



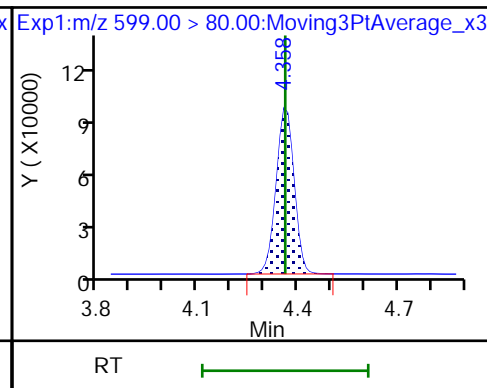
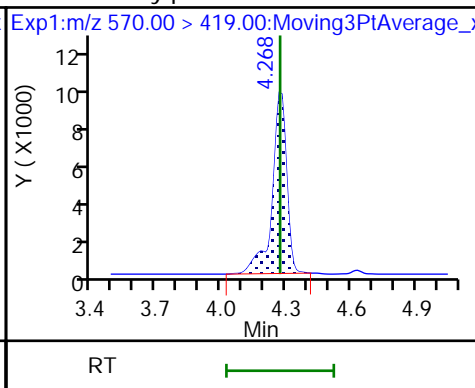
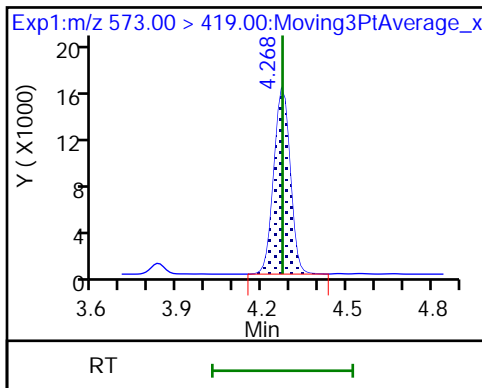




D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami

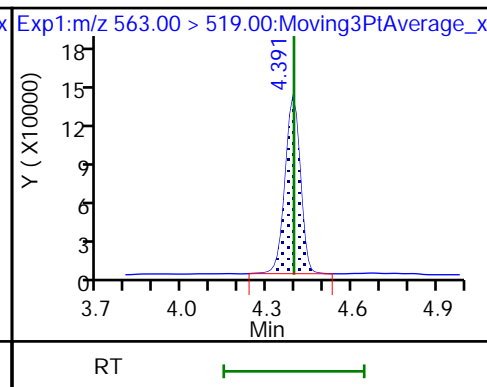
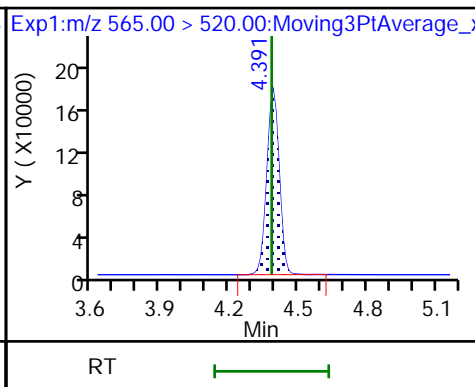
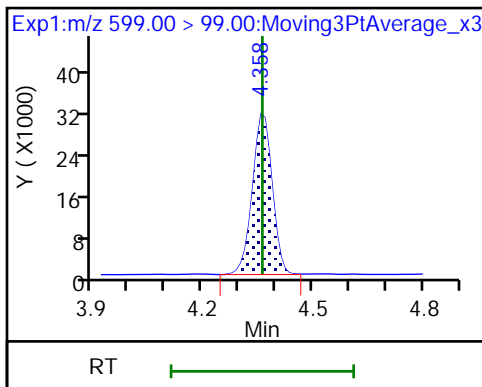
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

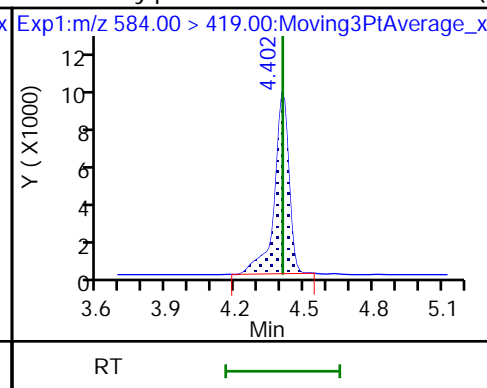
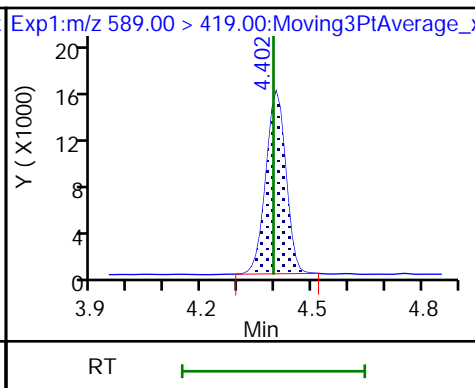
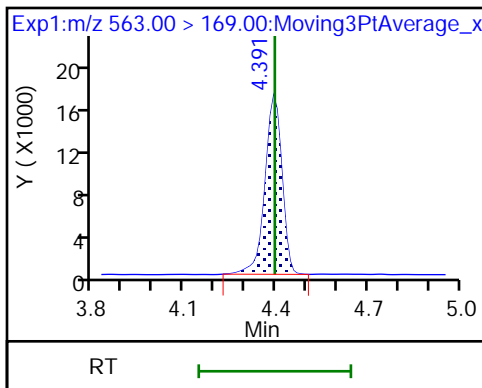
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

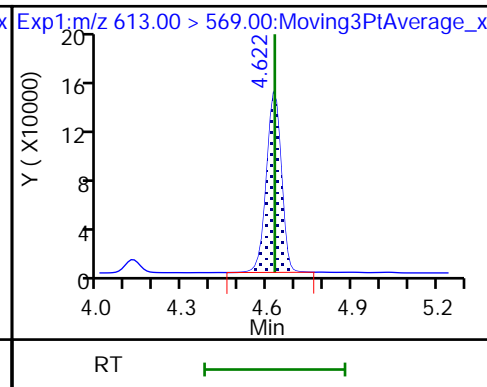
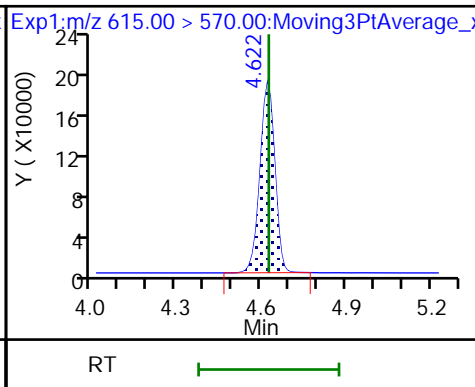
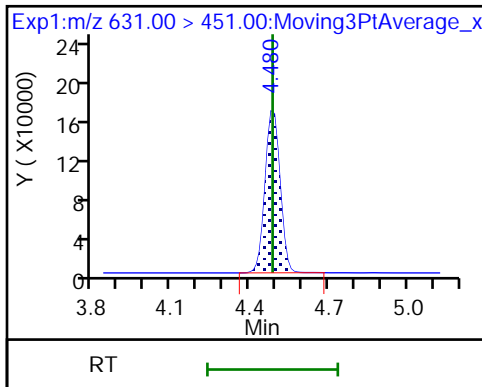
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

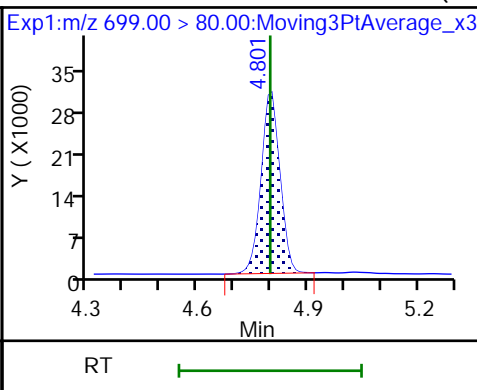
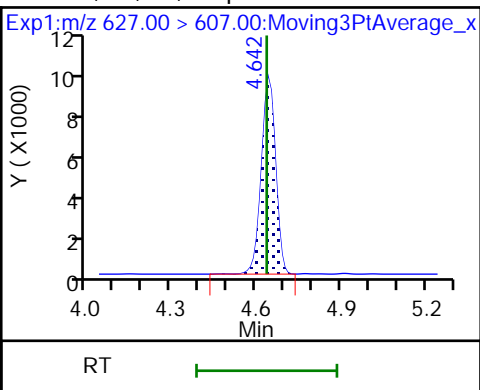
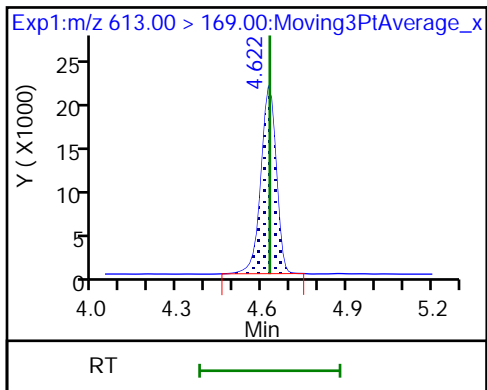
37 Perfluorododecanoic acid



37 Perfluorododecanoic acid

74 1H,1H,2H,2H-perfluorododecanesul

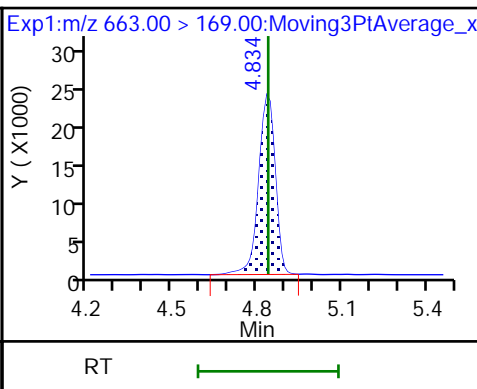
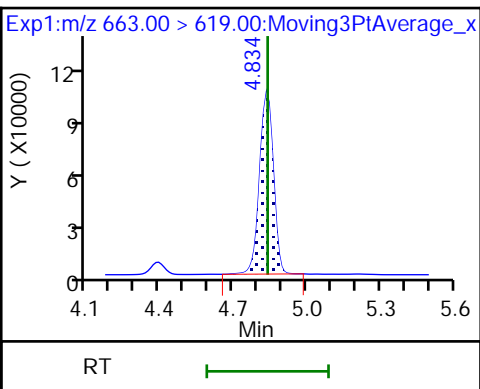
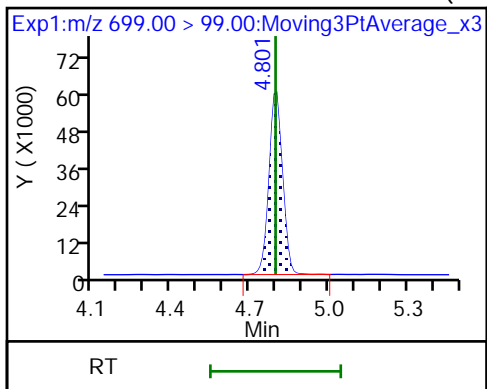
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid

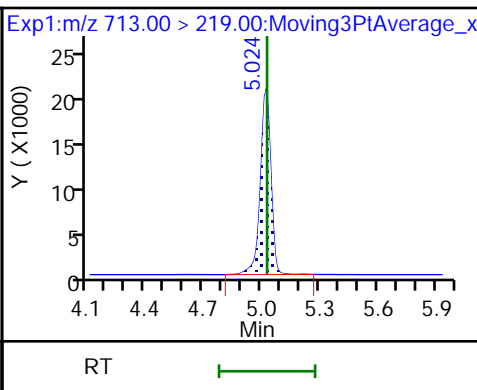
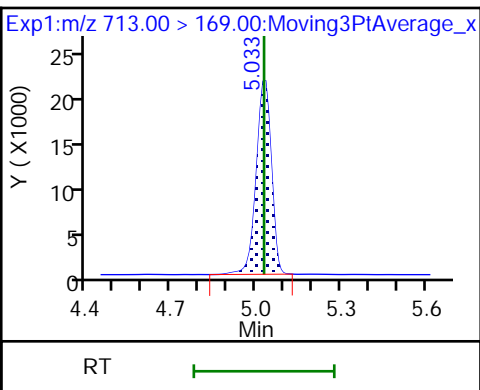
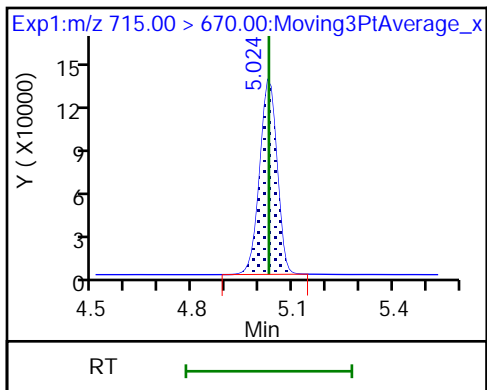
41 Perfluorotridecanoic acid



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid

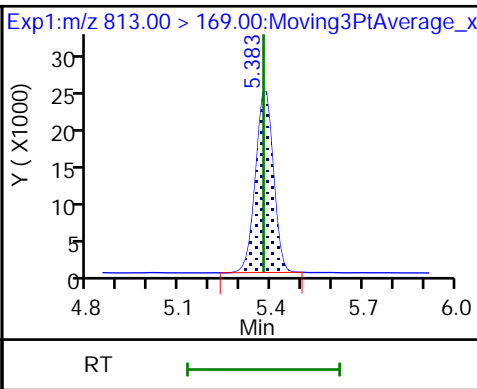
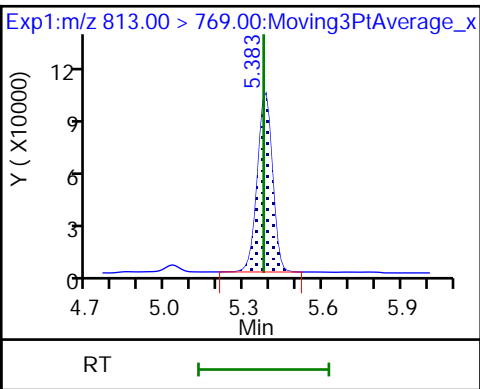
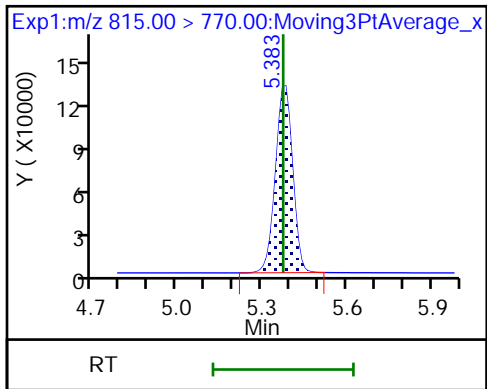
42 Perfluorotetradecanoic acid



D 44 13C2 PFHxDA

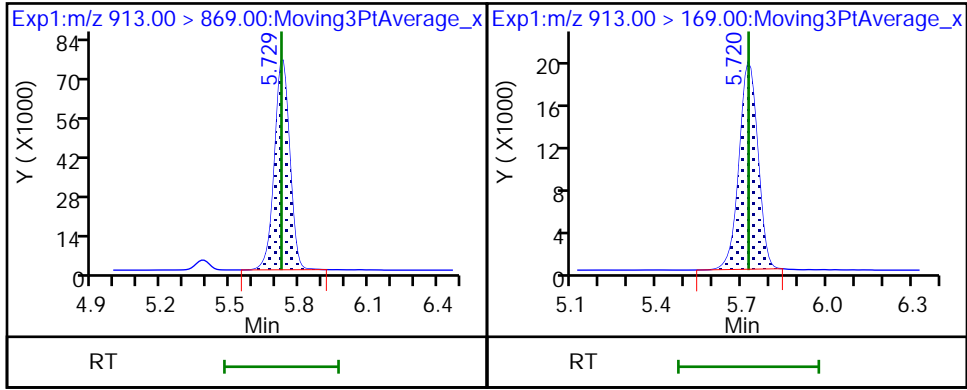
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

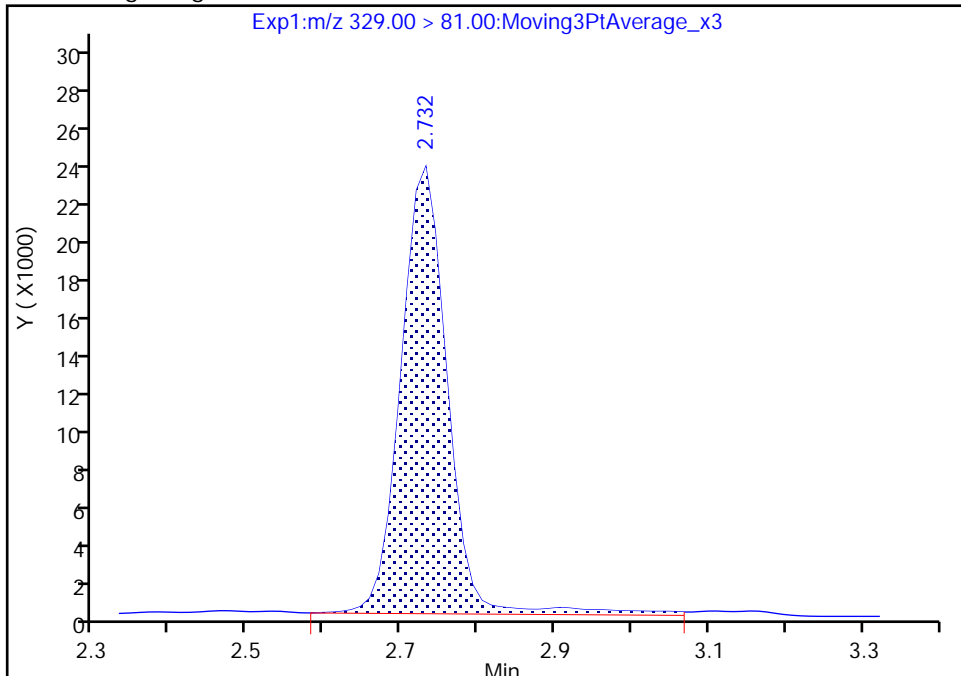
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Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

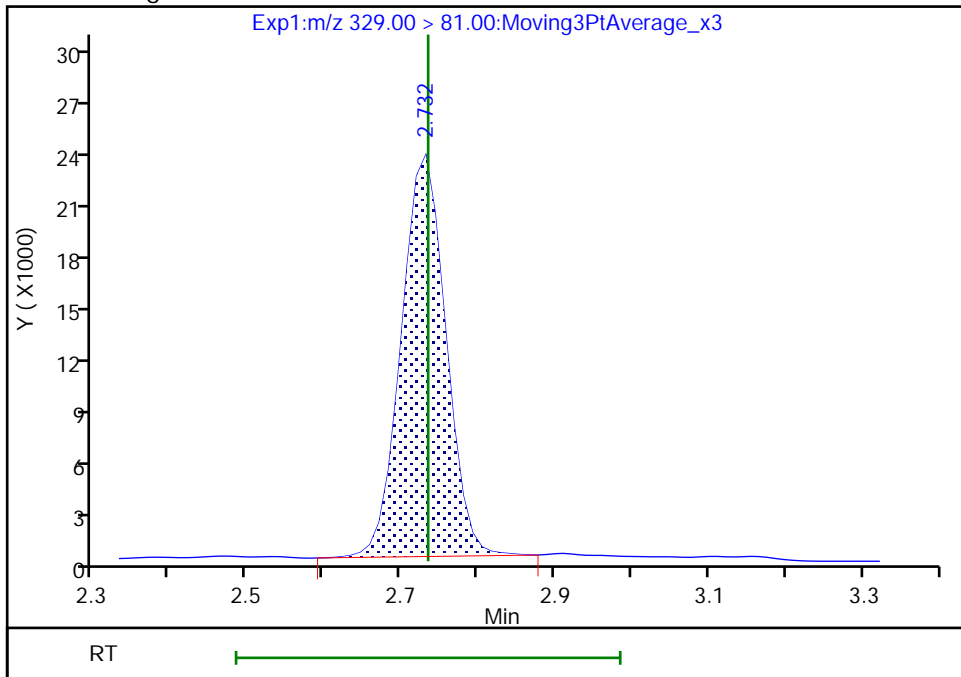
RT: 2.73  
Area: 98878  
Amount: 1.297723  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 93671  
Amount: 1.229384  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:47:09  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

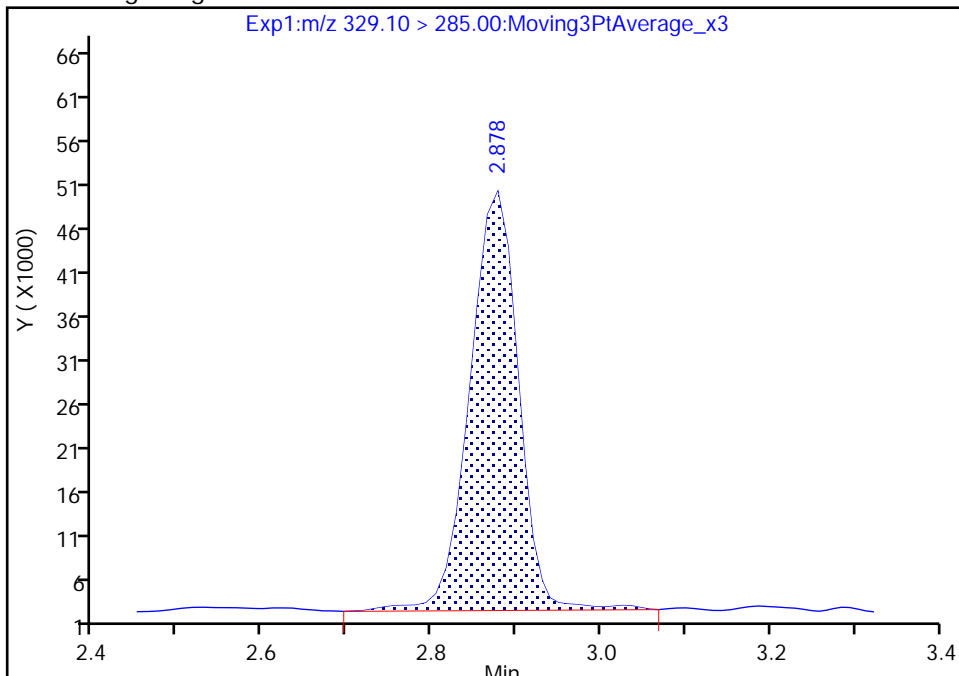
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Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

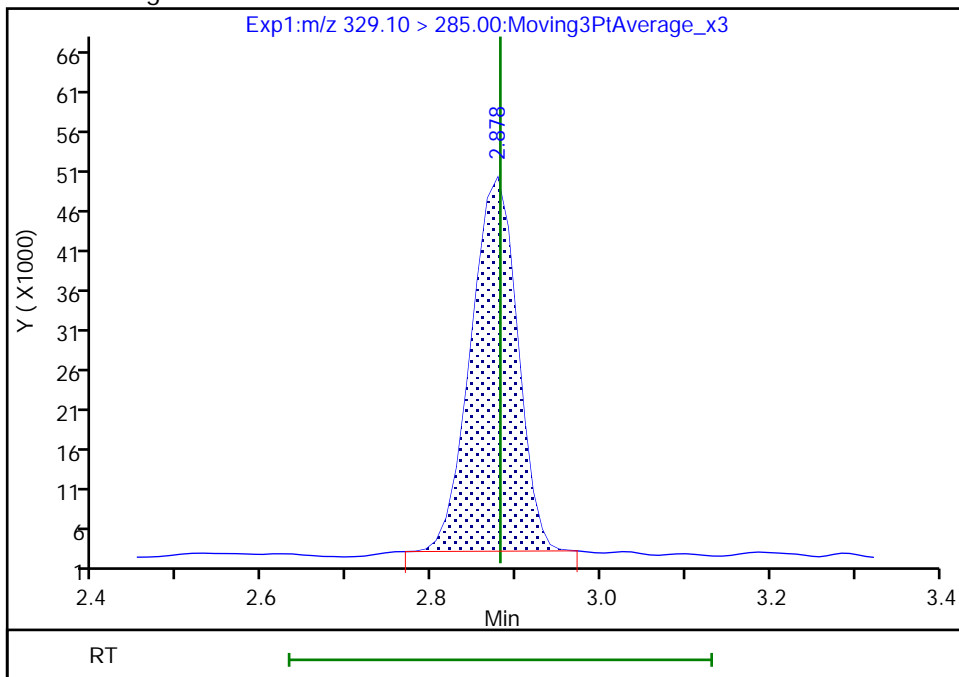
RT: 2.88  
Area: 190571  
Amount: 1.054238  
Amount Units: ng/ml

Processing Integration Results



RT: 2.88  
Area: 179615  
Amount: 0.993629  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:51:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

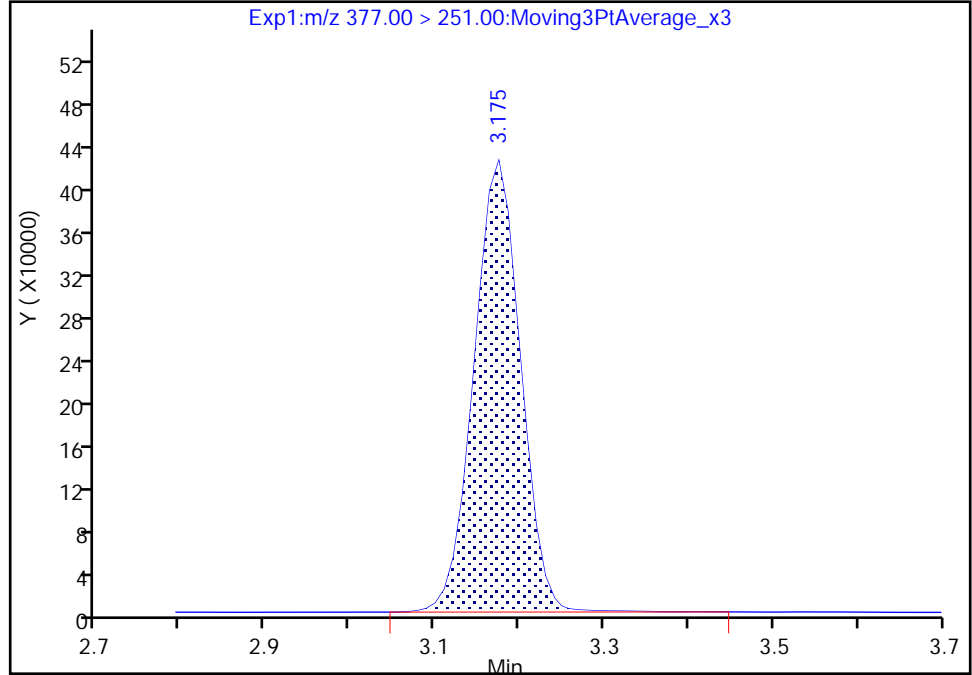
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

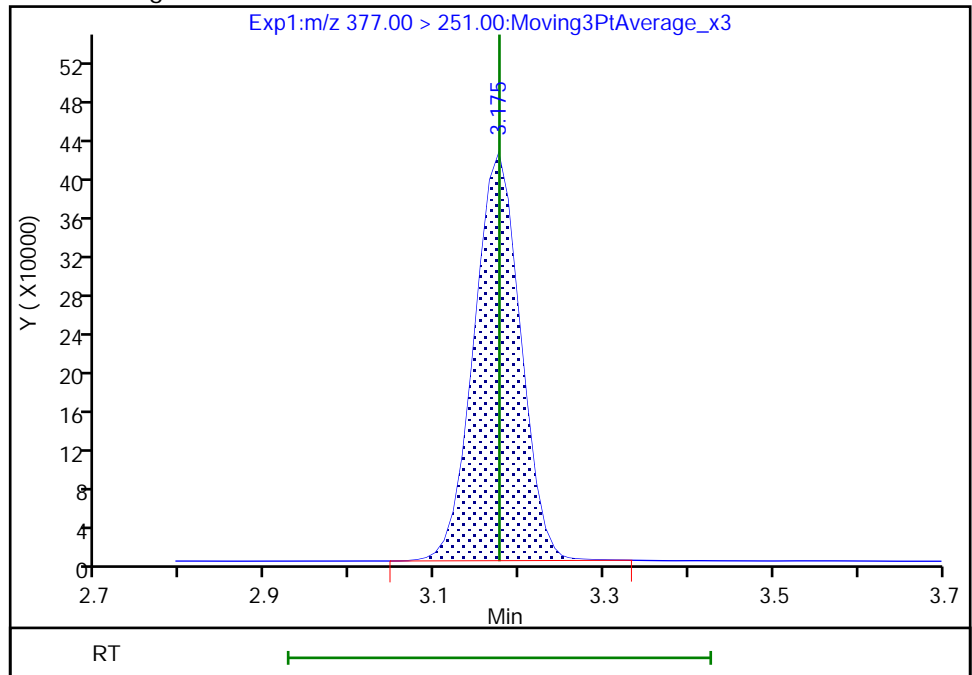
RT: 3.18  
Area: 1603901  
Amount: 0.938593  
Amount Units: ng/ml

Processing Integration Results



RT: 3.18  
Area: 1596917  
Amount: 0.934506  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:52:01  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

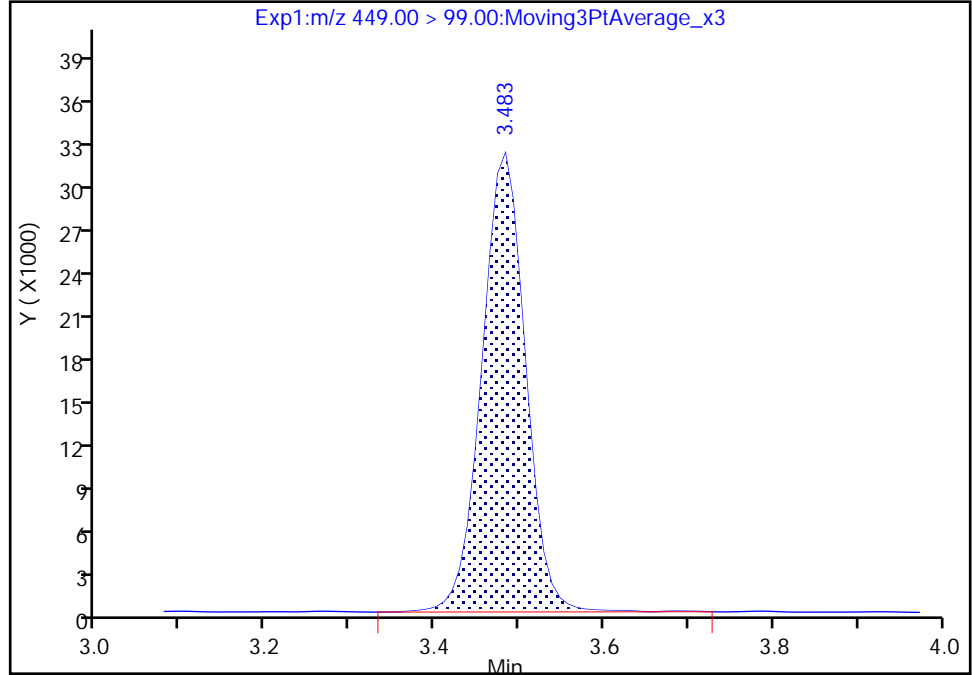
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

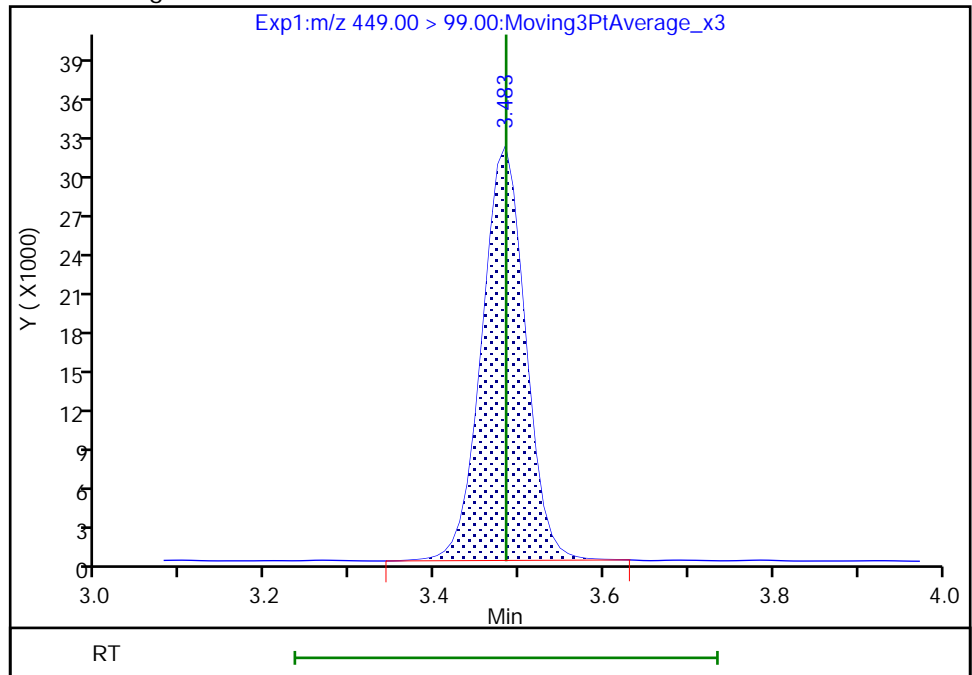
RT: 3.48  
Area: 113795  
Amount: 0.944028  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 113064  
Amount: 0.944028  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 14:52:59  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

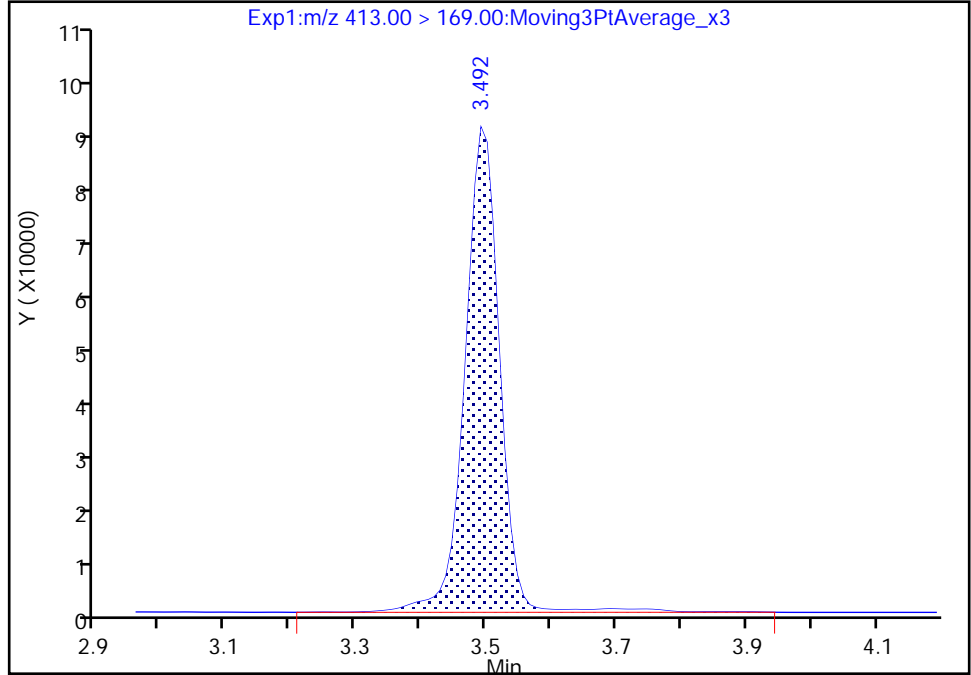
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Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

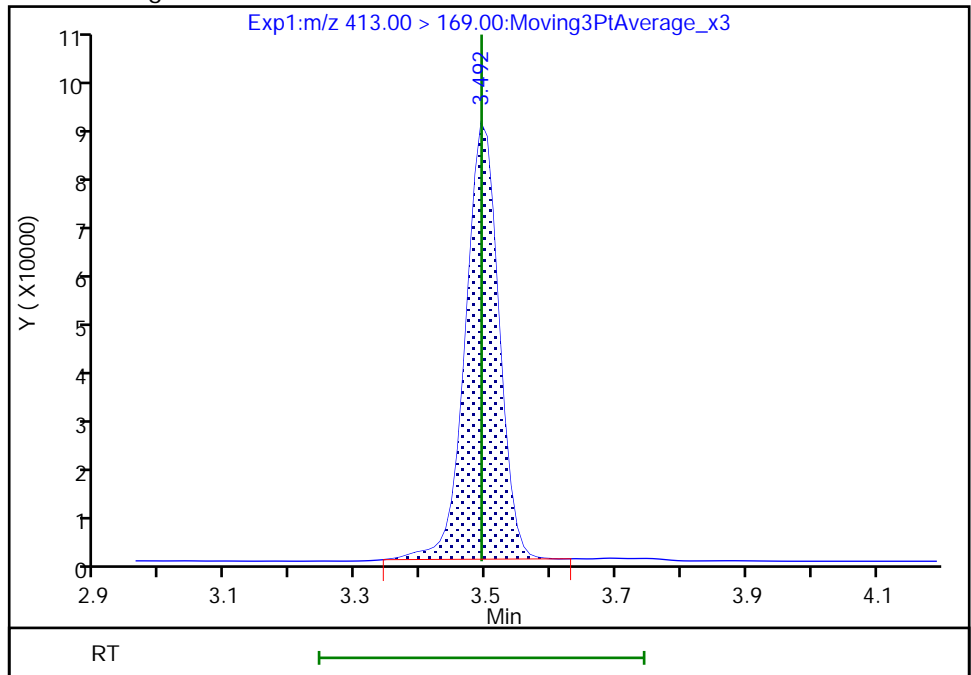
RT: 3.49  
Area: 325524  
Amount: 0.980093  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 313074  
Amount: 0.980093  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 16:12:49  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

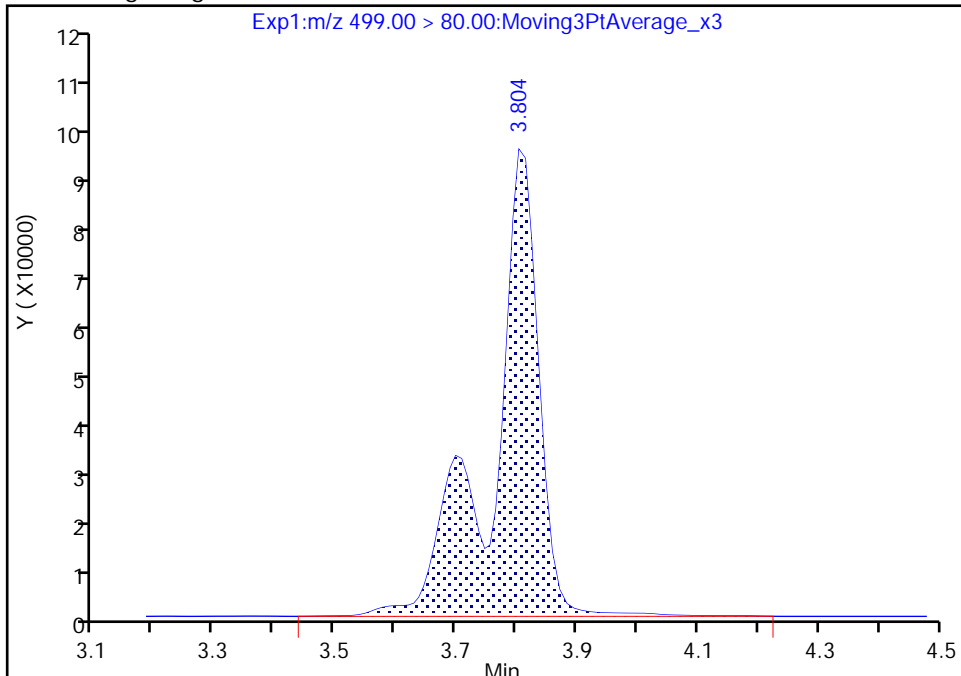
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

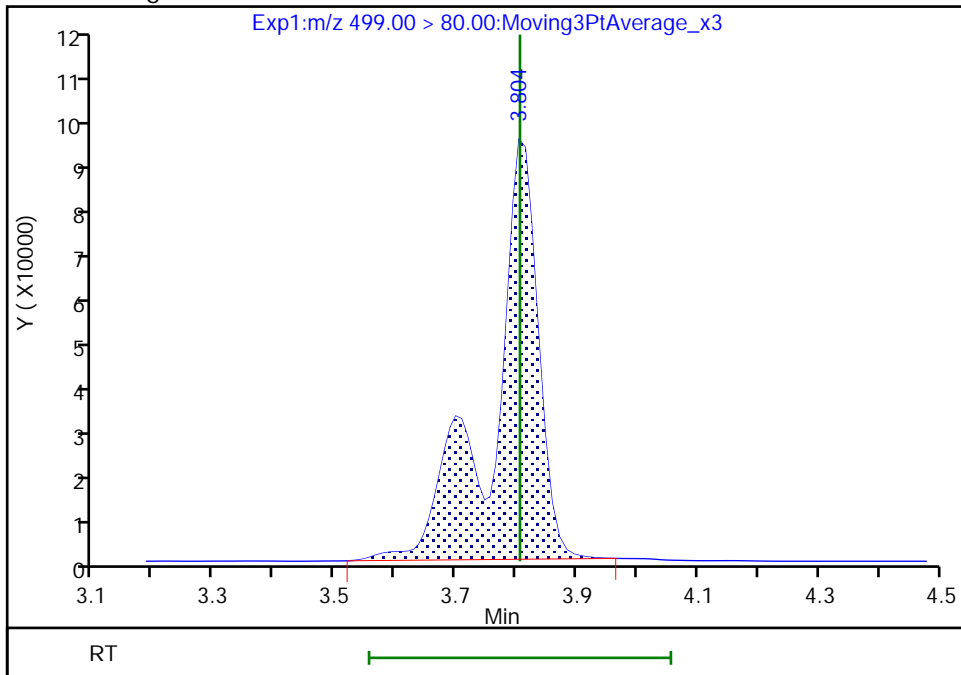
RT: 3.80  
Area: 511211  
Amount: 0.871004  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 497497  
Amount: 0.847638  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 16:12:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

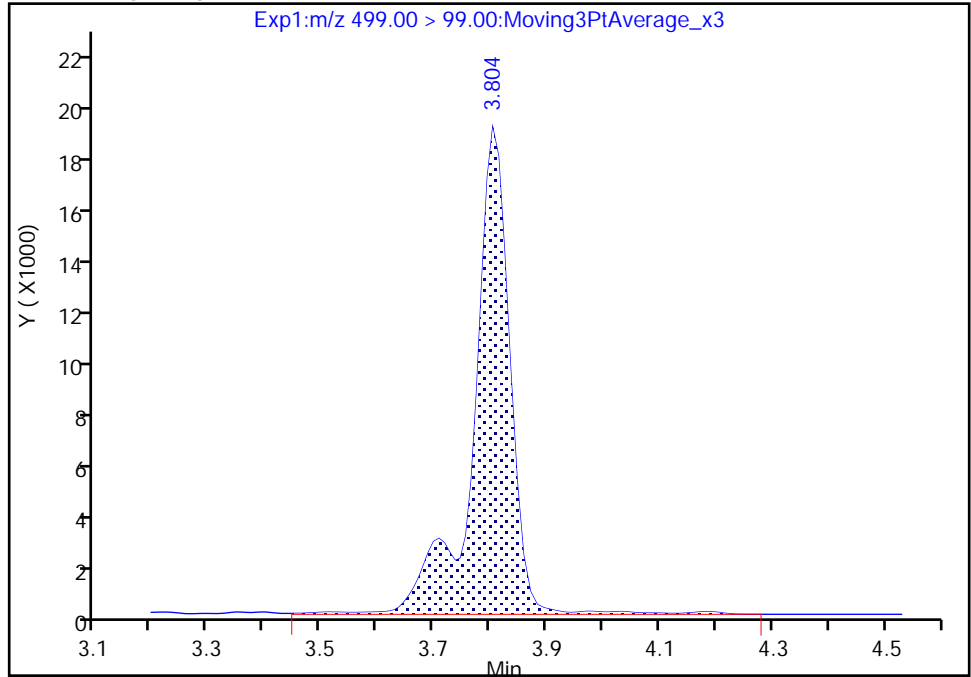
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

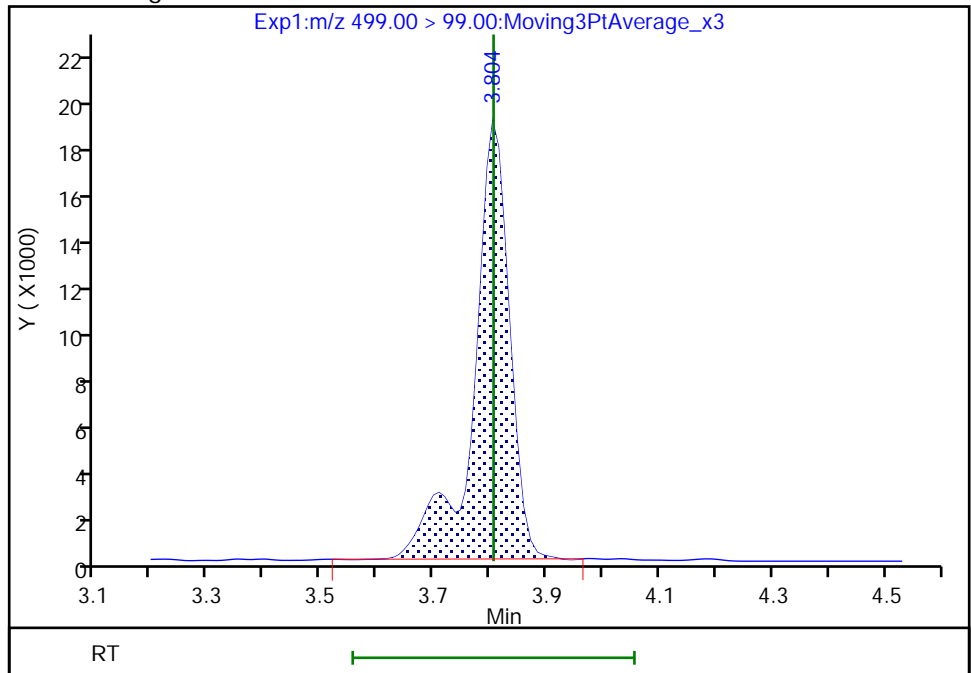
RT: 3.80  
Area: 86985  
Amount: 0.871004  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 83138  
Amount: 0.847638  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 16:13:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

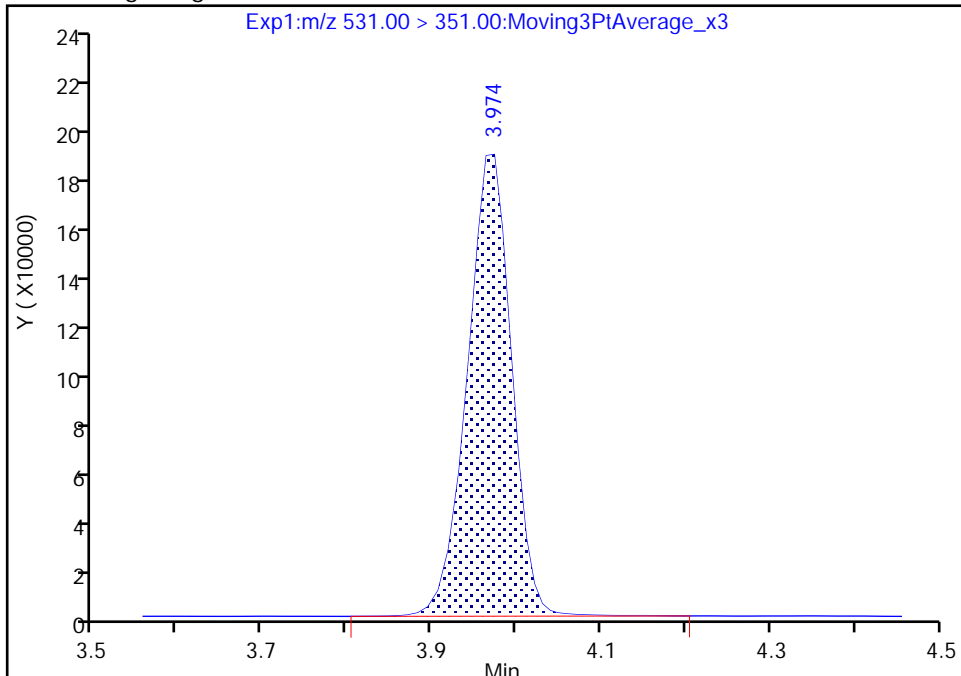
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

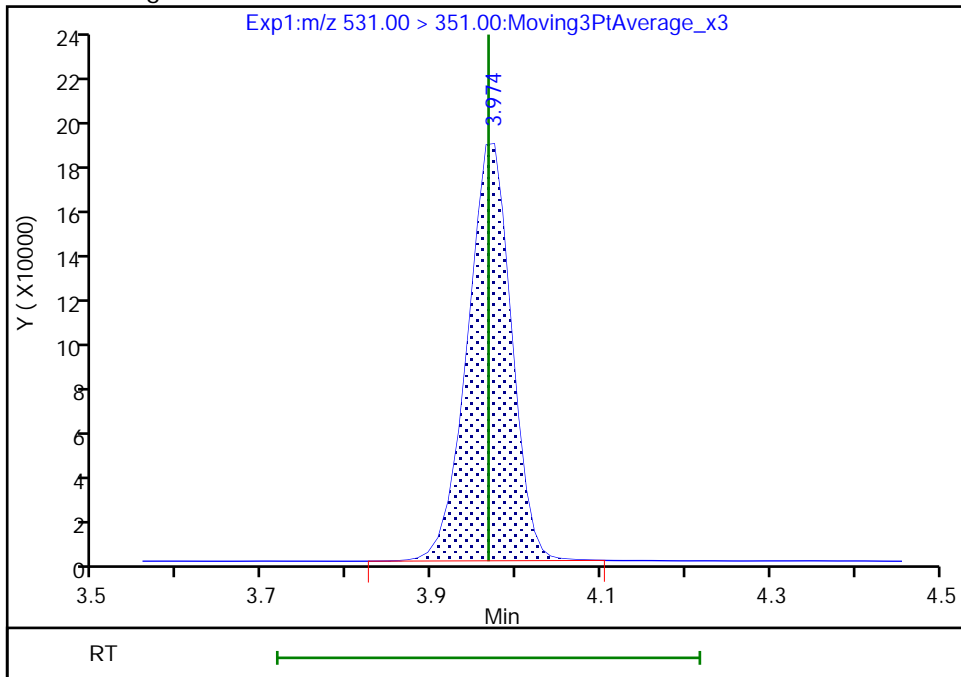
RT: 3.97  
Area: 666443  
Amount: 1.017705  
Amount Units: ng/ml

Processing Integration Results



RT: 3.97  
Area: 663606  
Amount: 1.013372  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 16:13:11  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

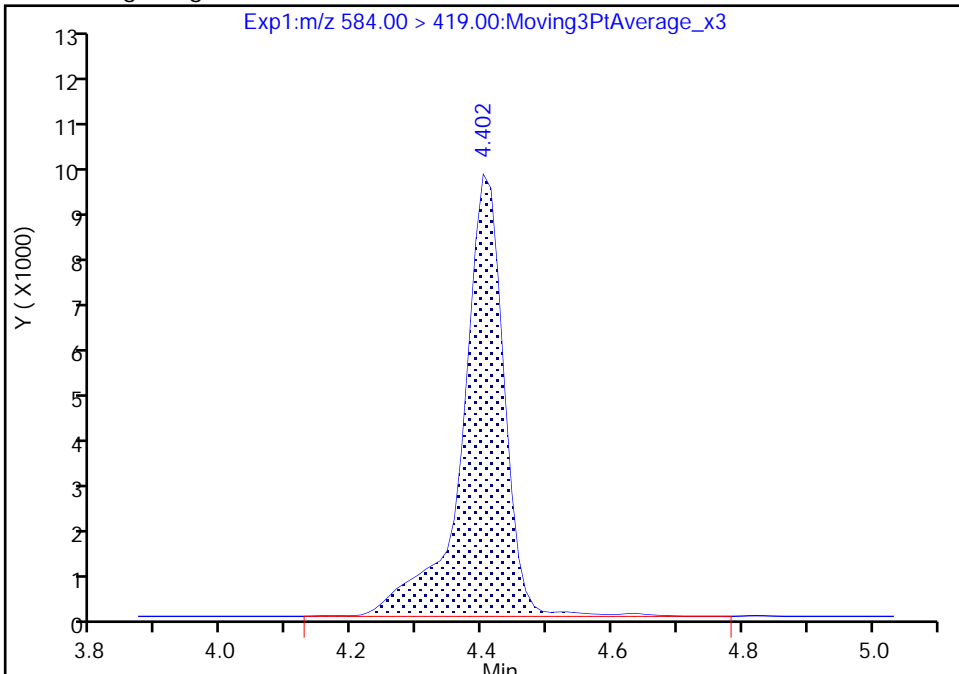
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d  
Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812  
Lims ID: ICV  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

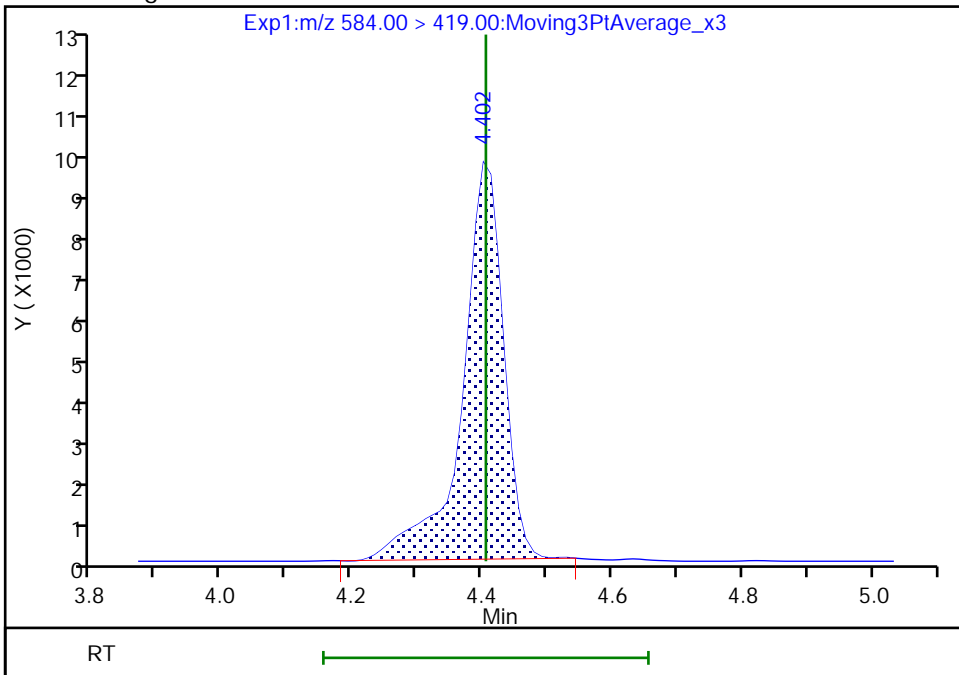
RT: 4.40  
Area: 42220  
Amount: 0.954286  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 40925  
Amount: 0.925015  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 16:13:33  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVL 200-163165/5 Calibration Date: 01/21/2021 12:50  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9903		0.124	0.125	-1.2	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.092		0.0493	0.0500	-1.3	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.095		0.0428	0.0442	-3.2	50.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.674		0.0426	0.0467	-8.7	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	0.9828		0.0450	0.0500	-10.0	50.0
Perfluoropentanesulfonic acid	AveID	1.312	1.307		0.0467	0.0469	-0.4	50.0
HFPO-DA	AveID	1.385	1.326		0.0957	0.100	-4.3	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.117		0.0511	0.0500	2.2	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.245		0.0481	0.0455	5.6	50.0
DONA	AveID	3.349	3.083		0.0434	0.0471	-7.9	50.0
6:2 FTS	AveID	1.112	0.9286		0.0989	0.119	-16.5	50.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.301		0.0459	0.0476	-3.7	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.004		0.0463	0.0500	-7.4	50.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.147		0.0463	0.0464	-0.3	50.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.086		0.0491	0.0500	-1.8	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.212		0.0440	0.0466	-5.5	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8349		0.0467	0.0480	-2.7	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	0.9919		0.0481	0.0500	-3.7	50.0
8:2 FTS	AveID	0.6801	0.5846		0.0412	0.0479	-14.0	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.002	1.021		0.0509	0.0500	1.9	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9522		0.134	0.125	7.4	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6308		0.0444	0.0482	-7.8	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.127		0.0553	0.0500	10.5	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.9942		0.134	0.125	7.4	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.048		0.0371	0.0471	-21.3	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	1.041		0.0473	0.0500	-5.4	50.0
10:2 FTS	AveID	0.3501	0.3678		0.0506	0.0482	5.1	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2364		0.0455	0.0484	-6.1	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.9260		0.0519	0.0500	3.7	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.2082		0.0561	0.0500	12.3	50.0

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVL 200-163165/5 Calibration Date: 01/21/2021 12:50  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.228		0.0507	0.0500	1.4	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.9055		0.0503	0.0500	0.6	50.0
13C4 PFBA	Ave	1.343	1.300		1.21	1.25	-3.3	50.0
13C5 PFPeA	Ave	0.9710	0.9858		1.27	1.25	1.5	50.0
13C3 PFBS	Ave	1.278	1.247		1.14	1.16	-2.4	50.0
M2-4:2 FTS	Ave	0.1066	0.1024		1.12	1.17	-4.0	50.0
13C2 PFHxA	Ave	1.018	1.013		1.25	1.25	-0.4	50.0
13C3 HFPO-DA	Ave	0.1792	0.1659		1.16	1.25	-7.4	50.0
13C4 PFHpA	Ave	0.9742	0.998		1.28	1.25	2.4	50.0
18O2 PFHxS	Ave	0.9511	0.9534		1.19	1.18	0.2	50.0
M2-6:2 FTS	Ave	0.1187	0.1210		1.21	1.19	1.9	50.0
13C4 PFOA	Ave	0.9896	1.015		1.28	1.25	2.5	50.0
13C4 PFOS	Ave	0.6528	0.6994		1.28	1.20	7.1	50.0
13C5 PFNA	Ave	0.8730	0.9195		1.32	1.25	5.3	50.0
13C2 PFDA	Ave	0.8346	0.8517		1.28	1.25	2.0	50.0
M2-8:2 FTS	Ave	0.1225	0.1366		1.34	1.20	11.6	50.0
13C8 FOSA	Ave	1.227	1.305		1.33	1.25	6.3	50.0
d3-NMeFOSAA	Ave	0.0605	0.0545		1.13	1.25	-9.9	50.0
13C2 PFUnA	Ave	0.6856	0.6975		1.27	1.25	1.7	50.0
d5-NEtFOSAA	Ave	0.0585	0.0509		1.09	1.25	-13.0	50.0
13C2 PFDoA	Ave	0.7238	0.7272		1.26	1.25	0.5	50.0
13C2 PFTeDA	Ave	0.5353	0.5565		1.30	1.25	4.0	50.0
13C2 PFHxDA	Ave	0.5718	0.5314		1.16	1.25	-7.1	50.0

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
 Lims ID: CCVL  
 Client ID:  
 Sample Type: CCVL  
 Inject. Date: 21-Jan-2021 12:50:23 ALS Bottle#: 2 Worklist Smp#: 5  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: CCVL  
 Misc. Info.: 200-0044530-005 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 09:20:07 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614

First Level Reviewer: deannd Date: 22-Jan-2021 09:16:53

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.596	1522053	1.21	96.7	9106	
2 Perfluorobutanoic acid	212.90 > 169.00	2.082	2.091	-0.009	1.000	150727	0.1235	98.8	34.4	
D 3 13C5 PFPeA	267.90 > 223.00	2.413	2.413	0.0	0.691	1154580	1.27	102	3631	
4 Perfluoropentanoic acid	262.90 > 219.00	2.413	2.413	0.0	1.000	50453	0.0493	98.7	3.4	
D 47 13C3 PFBS	301.90 > 80.00	2.426	2.426	0.0	0.695	1358819	1.13	97.6	482253	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.439	2.439	0.0	1.005	56569	0.0428	Target=2.21	96.8	175
	298.90 > 99.00	2.439	2.439	0.0	1.005	26083		2.17(1.11-3.32)		26.7
D 60 M2-4:2 FTS	329.00 > 81.00	2.734	2.734	0.0	0.783	111993	1.12	96.0	139	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.734	2.734	0.0	1.000	7501	0.0426		91.3	319
D 7 13C2 PFHxA	315.00 > 270.00	2.770	2.770	0.0	0.793	1186832	1.24	99.6	3491	
6 Perfluorohexanoic acid	313.00 > 269.00	2.770	2.770	0.0	1.000	46657	0.0450	Target=12.83	90.0	11.4
	313.00 > 119.00	2.770	2.770	0.0	1.000	3847		12.13(6.42-19.25)		6.4
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.770	2.770	0.0	0.884	54739	0.0467	Target=3.35	99.6	319
	349.00 > 99.00	2.770	2.770	0.0	0.884	15197		3.60(1.67-5.02)		37.8
D 64 13C3 HFPO-DA	332.10 > 287.00	2.880	2.880	0.0	0.825	194317	1.16	92.6	1278	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.880	2.880	0.0	1.000	20607	0.0957		95.7	3.7	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1056320	1.19		100	1692	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	50592	0.0481	Target=4.15	106	295	M
399.00 > 99.00	3.132	3.132	0.0	1.000	12490		4.05(2.08-6.23)		15.1	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.132	0.0	0.897	1168515	1.28		102	3155	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.132	0.0	1.000	52196	0.0511	Target=3.66	102	15.9	
363.00 > 169.00	3.132	3.132	0.0	1.000	13725		3.80(1.83-5.49)		65.3	
77 DONA										
377.00 > 251.00	3.175	3.175	0.0	0.835	95143	0.0434	Target=2.43	92.1	146	
377.00 > 85.00	3.175	3.175	0.0	0.835	39692		2.40(1.22-3.65)		68.8	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.483	0.0	0.916	40568	0.0459	Target=5.95	96.3	341	M
449.00 > 99.00	3.483	3.483	0.0	0.916	7185		5.65(2.98-8.93)		49.5	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	134631	1.21		102	757	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	12475	0.0989		83.5	311	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1188242	1.28		103	3944	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1171227	1.25			1633	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	47703	0.0463	Target=2.58	92.6	13.6	M
413.00 > 169.00	3.492	3.492	0.0	1.000	19644		2.43(1.29-3.87)		97.9	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	34876	0.0463	Target=5.65	99.7	67.1	M
499.00 > 99.00	3.804	3.804	0.0	1.000	6025		5.79(2.82-8.47)		34.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	783104	1.28		107	3013	
D 19 13C5 PFNA										
468.00 > 423.00	3.824	3.824	0.0	1.095	1076945	1.32		105	3803	
20 Perfluorononanoic acid										
463.00 > 419.00	3.824	3.824	0.0	1.000	46801	0.0491	Target=7.44	98.2	7.6	
463.00 > 169.00	3.824	3.824	0.0	1.000	7213		6.49(3.72-11.16)		92.8	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.964	0.0	1.042	37021	0.0440		94.5	277	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.092	0.001	1.076	26262	0.0467	Target=2.54	97.3	266	
549.00 > 99.00	4.093	4.092	0.001	1.076	9904		2.65(1.27-3.81)		45.9	
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.126	-0.011	1.178	997498	1.28		102	2773	



Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.115	4.126	-0.011	1.000	39577	0.0481	Target=9.29	96.3	36.2	
513.00 > 169.00	4.115	4.126	-0.011	1.000	5799		6.82(4.64-13.93)		44.5	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.126	0.0	1.182	153321	1.34		112	680	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.126	0.0	1.000	3585	0.0412		86.0	58.9	
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.214	0.0	1.207	1528030	1.33		106	2153	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.214	4.214	0.0	1.000	62409	0.0509		102	386	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.257	0.0	1.219	63886	1.13		90.1	617	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.268	0.0	1.003	6083	0.1343		107	30.8	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.347	4.359	-0.012	1.143	19924	0.0444	Target=2.80	92.2	264	
599.00 > 99.00	4.347	4.359	-0.012	1.143	7914		2.52(1.40-4.19)		54.4	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.380	4.381	-0.001	1.000	36841	0.0553	Target=8.12	111	26.2	M
563.00 > 169.00	4.380	4.381	-0.001	1.000	4273		8.62(4.06-12.18)		113	
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.381	-0.001	1.254	816980	1.27		102	3536	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.392	-0.001	1.257	59597	1.09		87.0	782	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.402	4.403	-0.001	1.003	5925	0.1342		107	102	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.467	4.480	-0.013	1.174	32341	0.0371		78.7	564	
D 36 13C2 PFDaA										
615.00 > 570.00	4.611	4.612	-0.001	1.321	851742	1.26		100	1943	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.611	4.612	-0.001	1.000	35451	0.0473	Target=6.91	94.6	10.5	
613.00 > 169.00	4.601	4.612	-0.011	0.998	6346		5.59(3.45-10.36)		158	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.633	-0.011	1.120	2270	0.0506		105	71.5	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.774	4.784	-0.010	1.255	7499	0.0455	Target=0.51	93.9	165	M
699.00 > 99.00	4.783	4.784	-0.001	1.257	15167		0.49(0.26-0.77)		107	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.810	4.823	-0.013	1.043	31547	0.0519	Target=4.39	104	12.7	
663.00 > 169.00	4.810	4.823	-0.013	1.043	7074		4.46(2.20-6.59)		152	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.004	5.005	-0.001	1.000	5428	0.0561	Target=1.06	112	180	
713.00 > 219.00	5.004	5.005	-0.001	1.000	5117		1.06(0.53-1.59)		171	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.004	5.005	-0.001	1.433	651840	1.30		104	2663	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.350	5.361	-0.011	1.532	622333	1.16		92.9	2295	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.361	5.361	0.0	1.002	30575	0.0507	Target=3.84	101	11.9	
813.00 > 169.00	5.361	5.361	0.0	1.002	7805		3.92(1.92-5.76)		233	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.693	5.692	0.001	1.064	22542	0.0503	Target=3.92	101	14.8	
913.00 > 169.00	5.684	5.692	-0.008	1.062	6381		3.53(1.96-5.88)		185	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCLOQV\_00013

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d

Injection Date: 21-Jan-2021 12:50:23

Instrument ID: LC812

Lims ID: CCVL

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

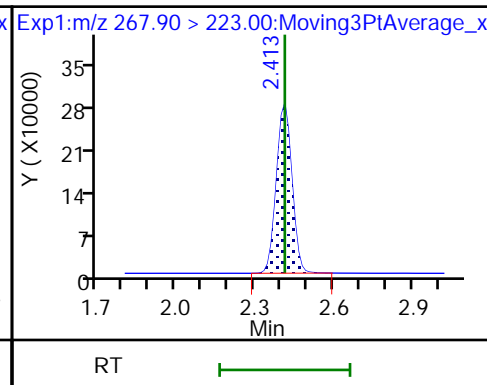
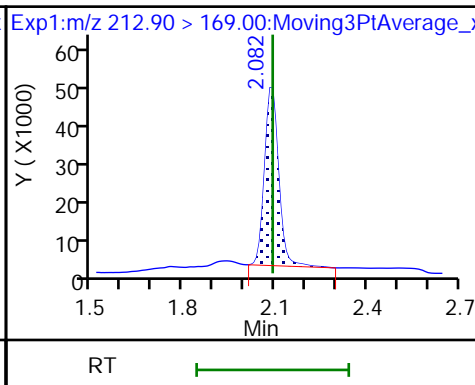
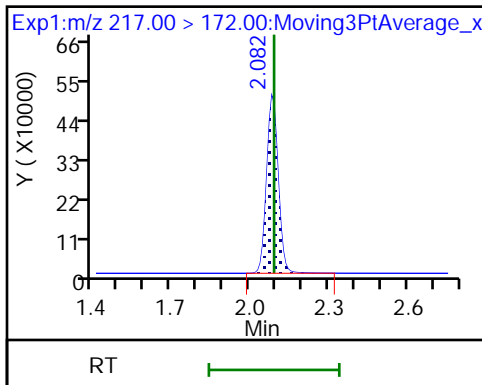
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

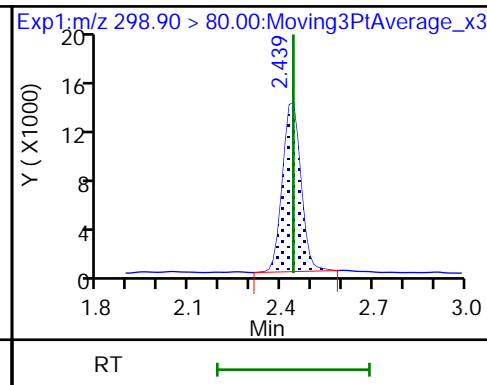
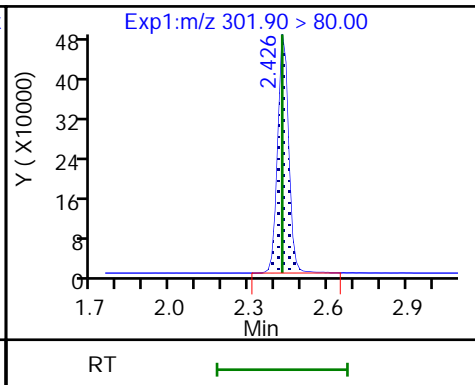
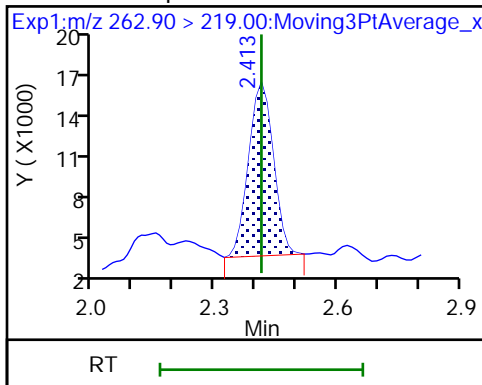
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

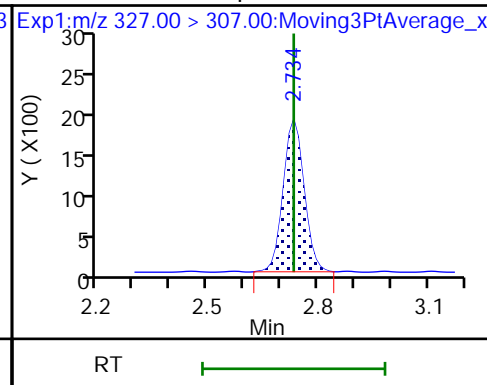
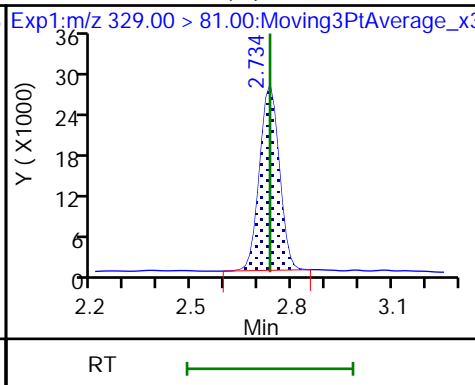
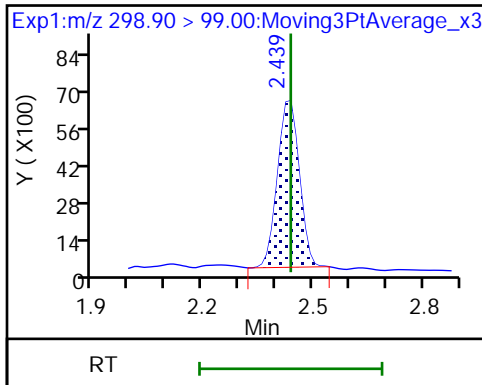
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

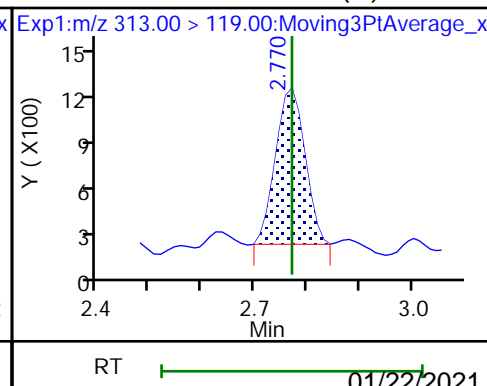
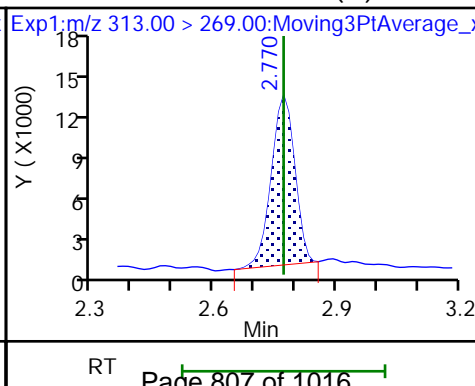
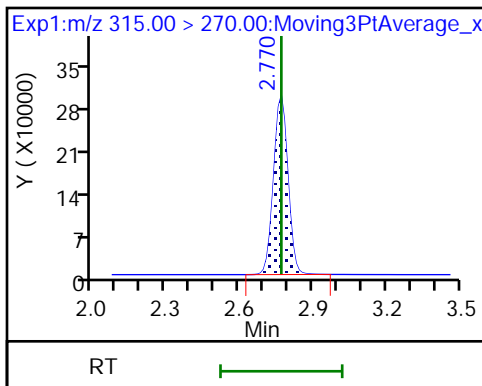
61 1H,1H,2H,2H-perfluorohexanesulfo

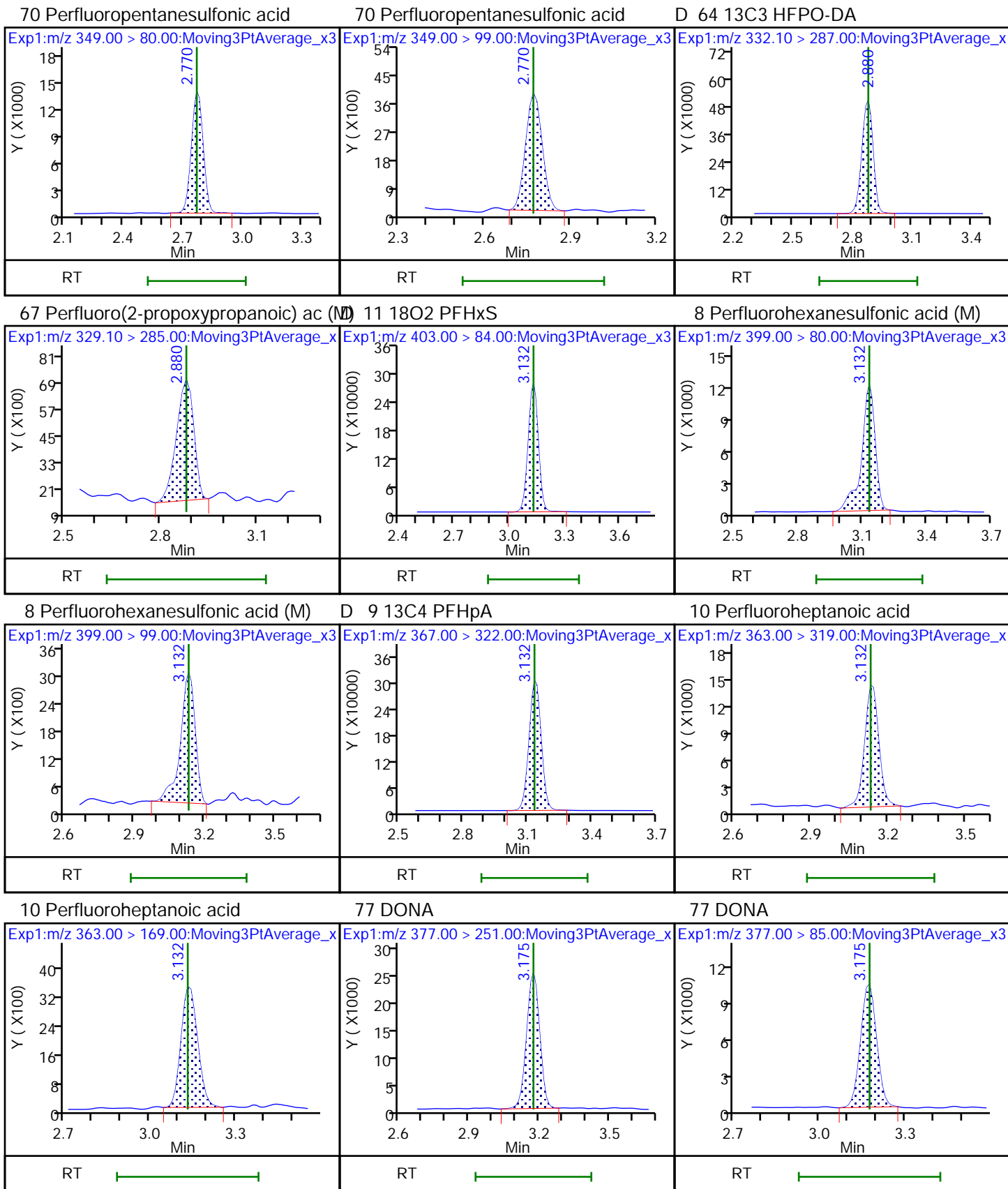


D 7 13C2 PFHxA

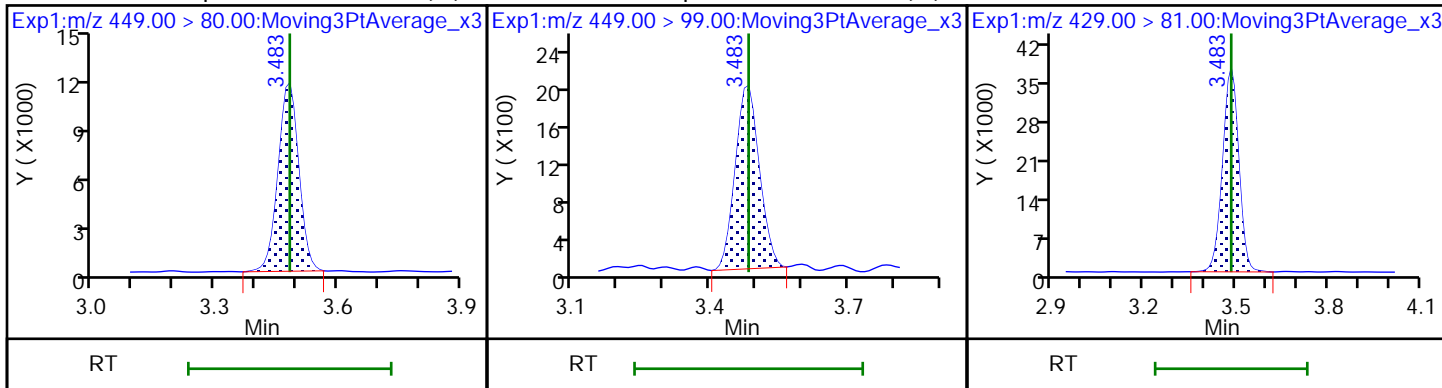
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

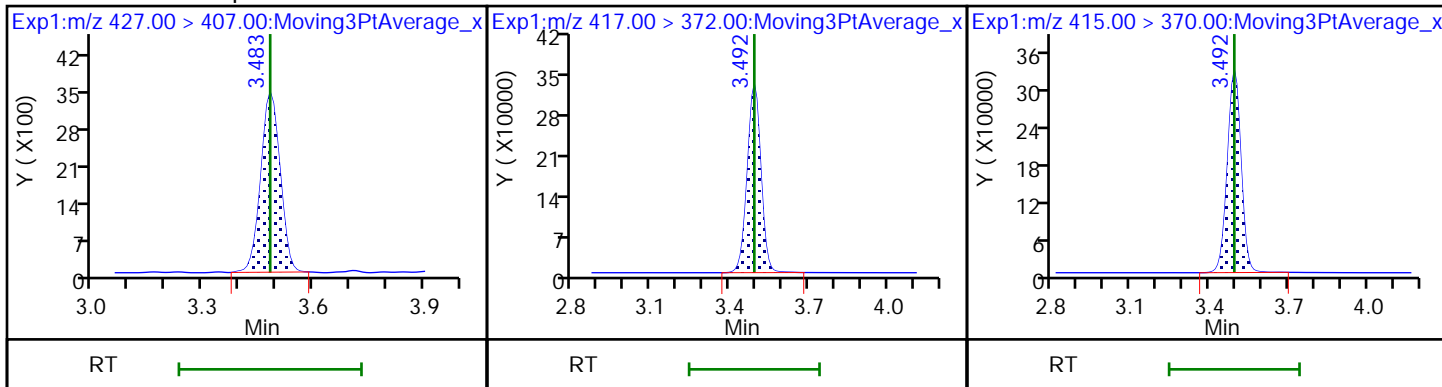




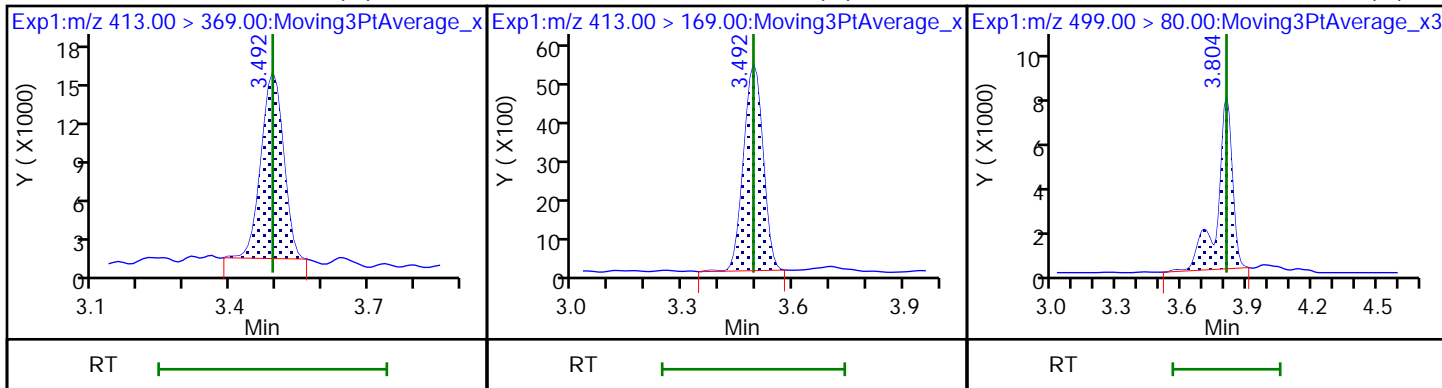
16 Perfluoroheptanesulfonic acid (M) 16 Perfluoroheptanesulfonic acid (M) D 12 M2-6:2 FTS



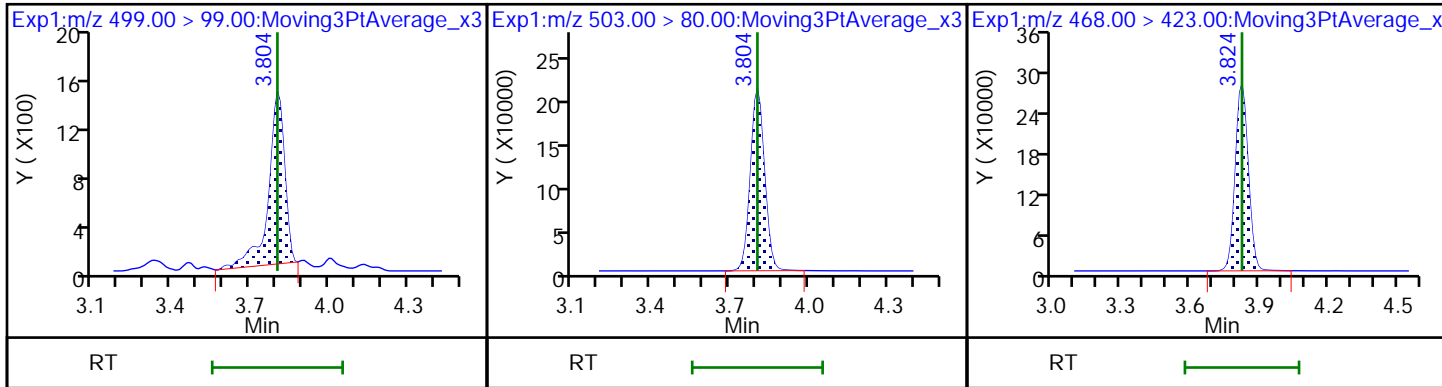
13 1H,1H,2H,2H-perfluorooctanesulfo D 14 13C4 PFOA \* 62 13C2 PFOA

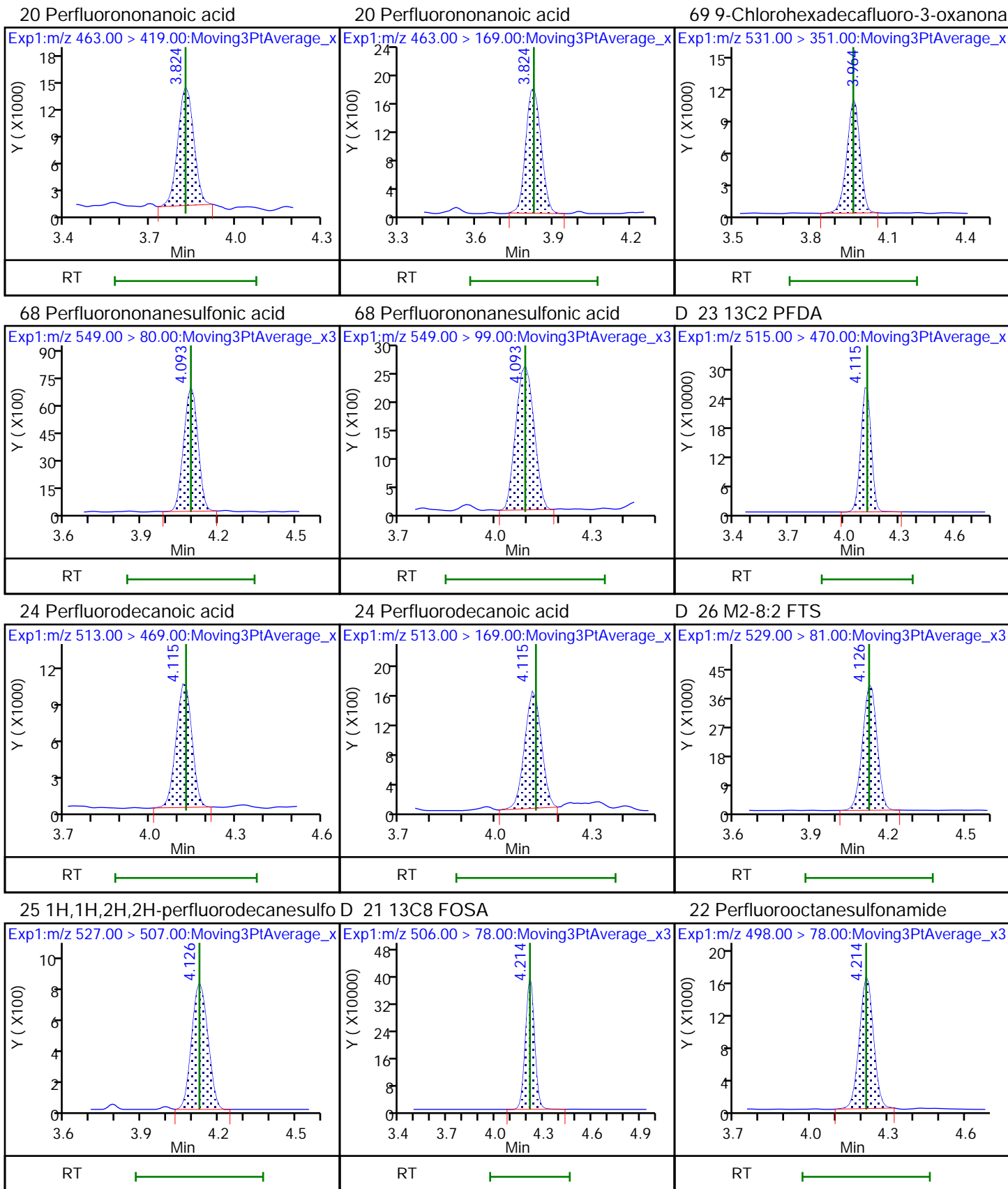


15 Perfluorooctanoic acid (M) 15 Perfluorooctanoic acid (M) 17 Perfluorooctanesulfonic acid (M)



17 Perfluorooctanesulfonic acid (M) D 18 13C4 PFOS D 19 13C5 PFNA

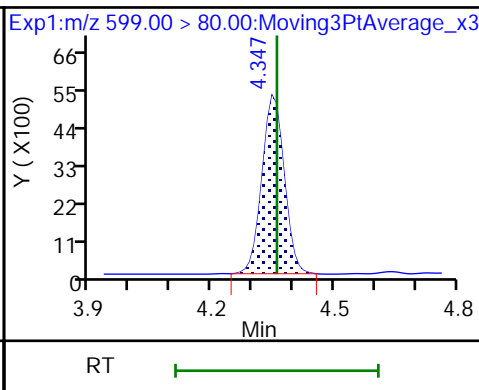
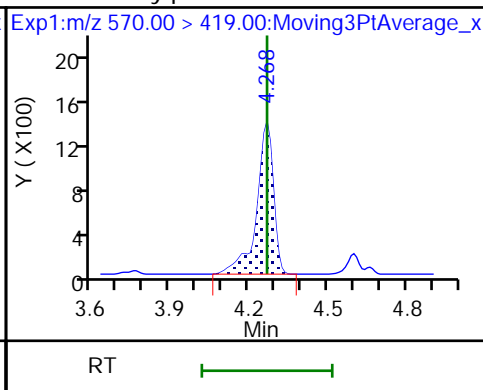
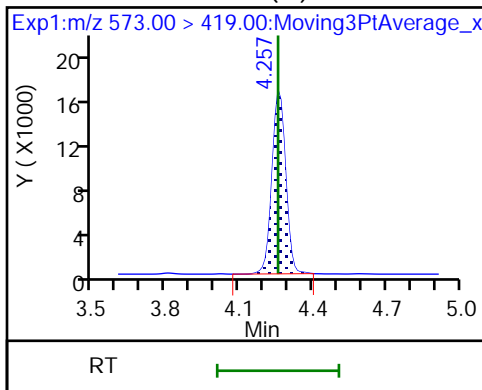




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami

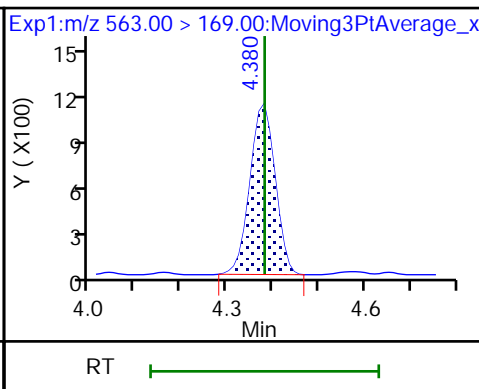
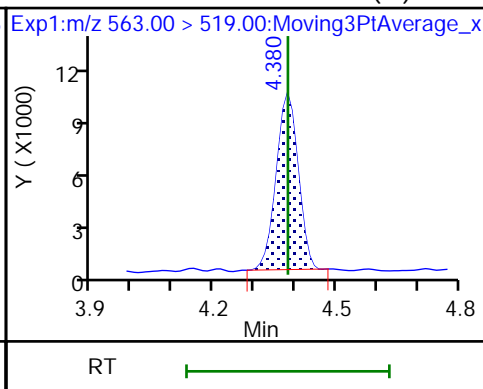
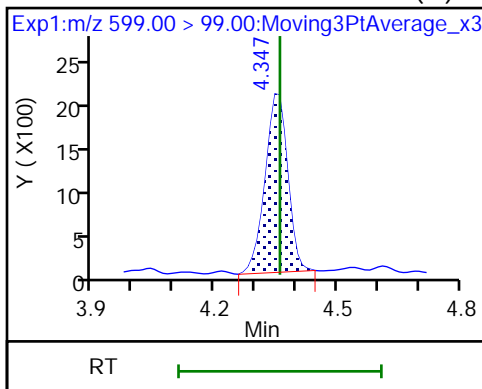
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid (M)

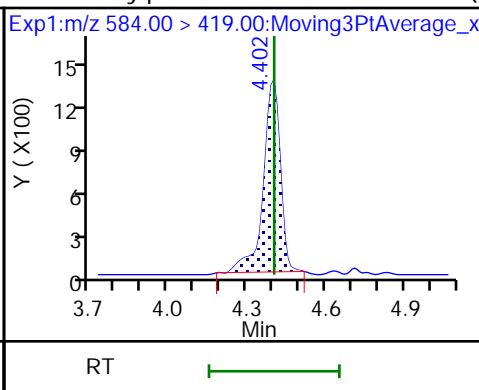
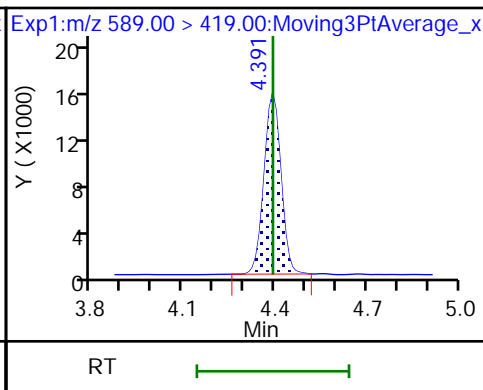
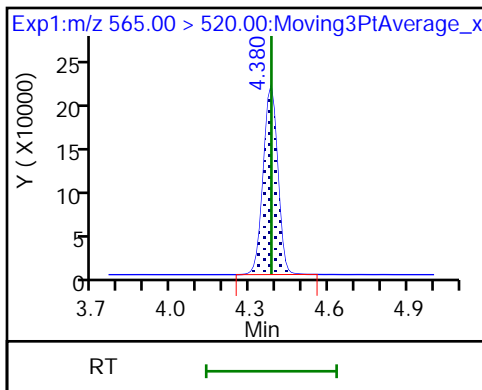
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

D 32 d5-NEtFOSAA

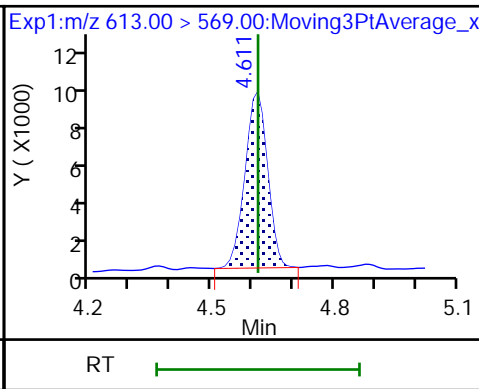
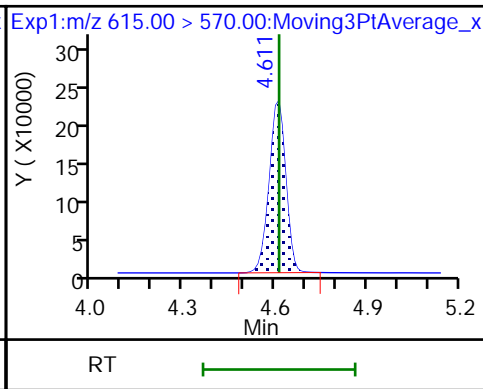
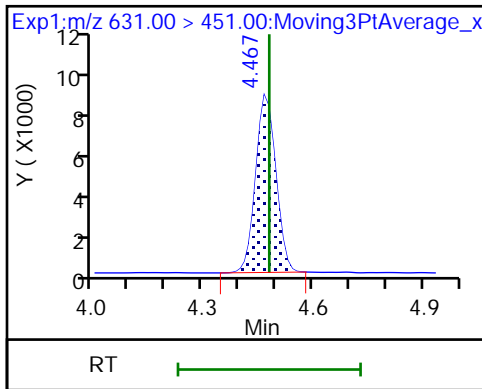
33 N-ethylperfluorooctanesulfonamid (M)

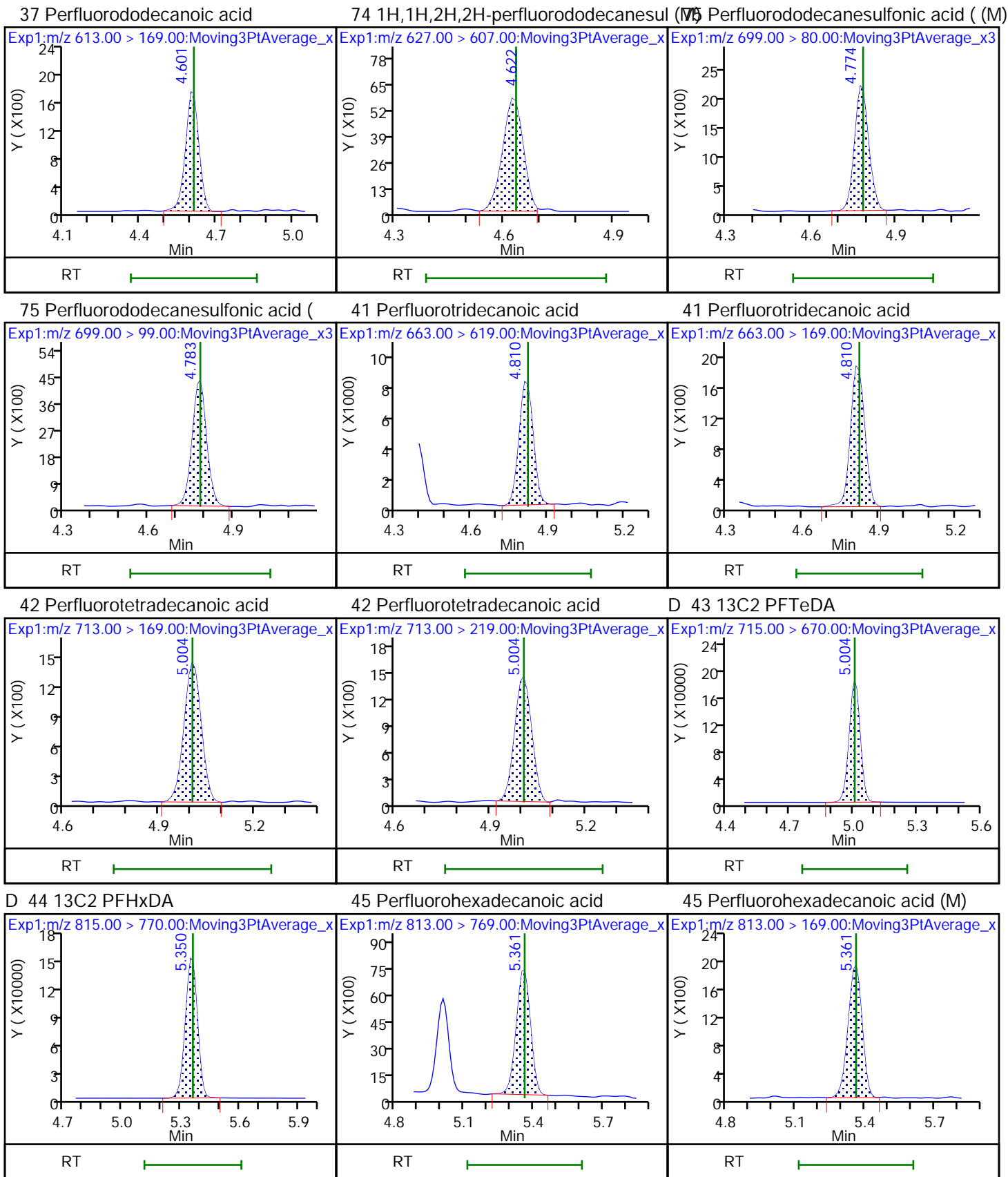


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

37 Perfluorododecanoic acid

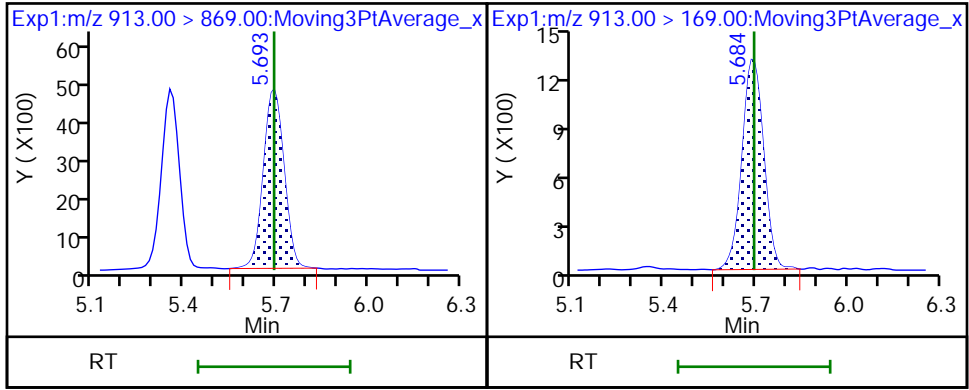






46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

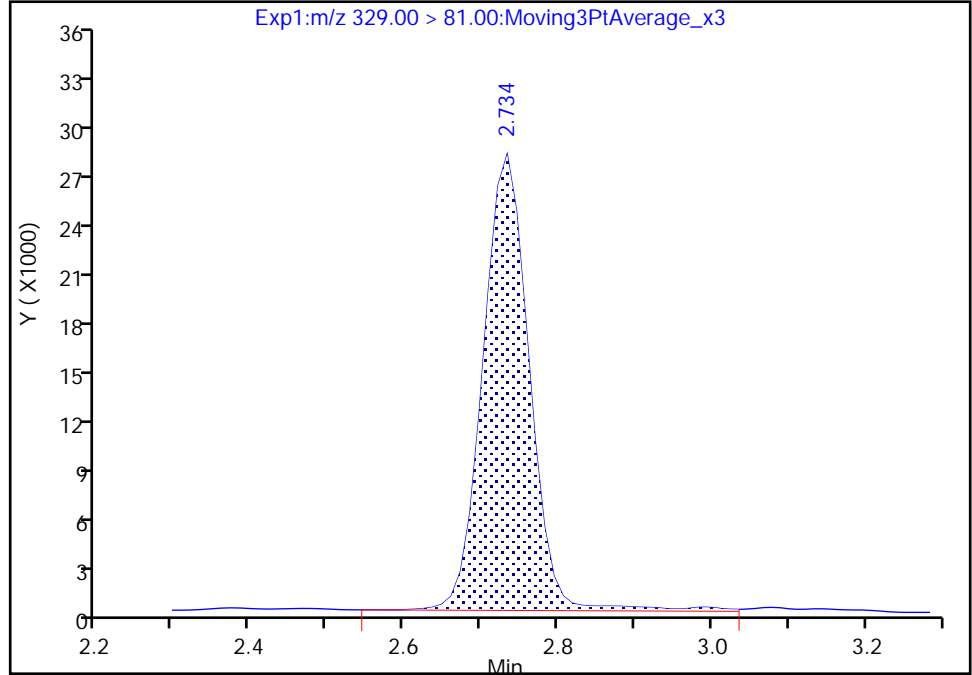
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

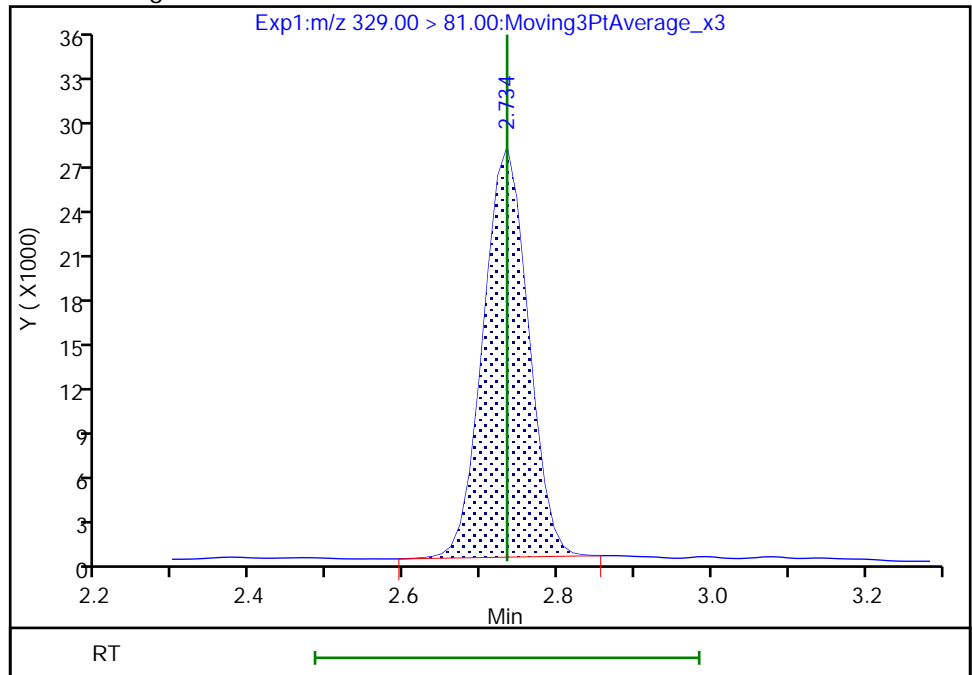
RT: 2.73  
Area: 116533  
Amount: 1.166612  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 111993  
Amount: 1.121162  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:48:42  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

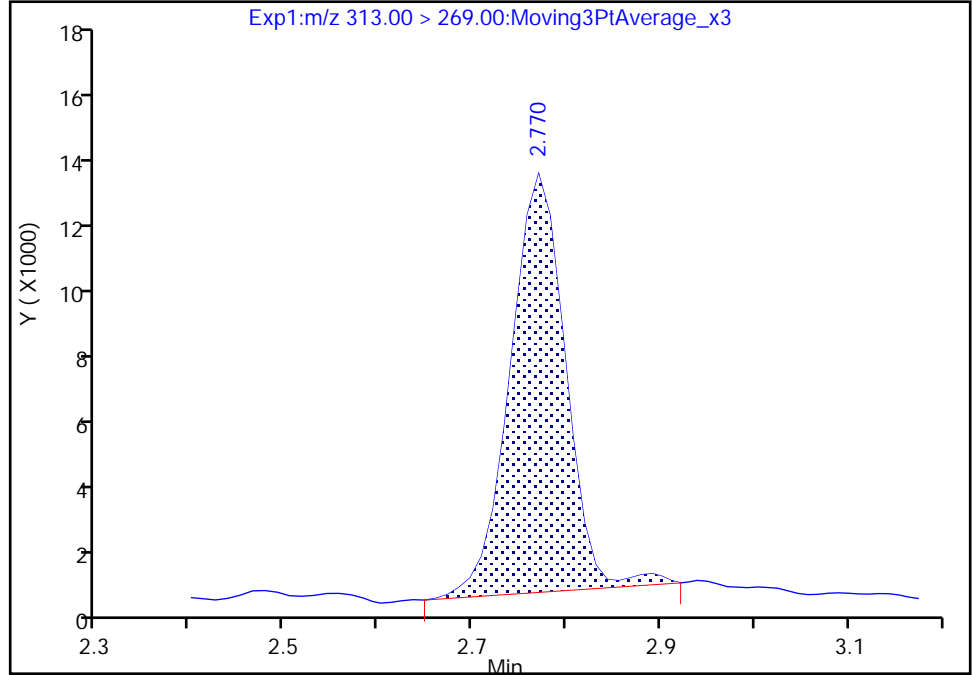
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

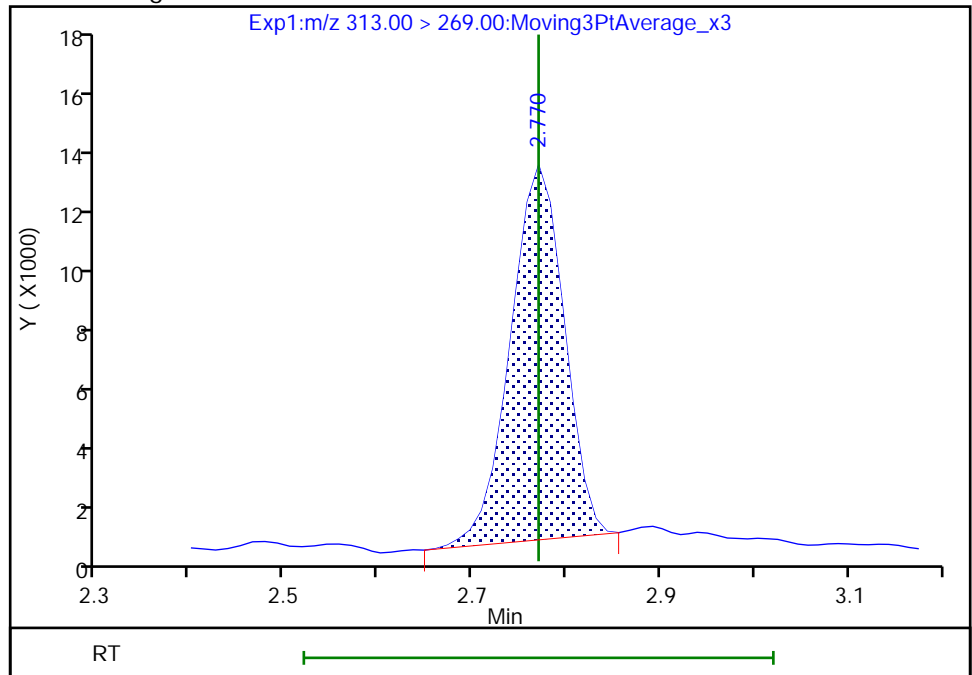
RT: 2.77  
Area: 48604  
Amount: 0.046859  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 46657  
Amount: 0.044982  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:48:50  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

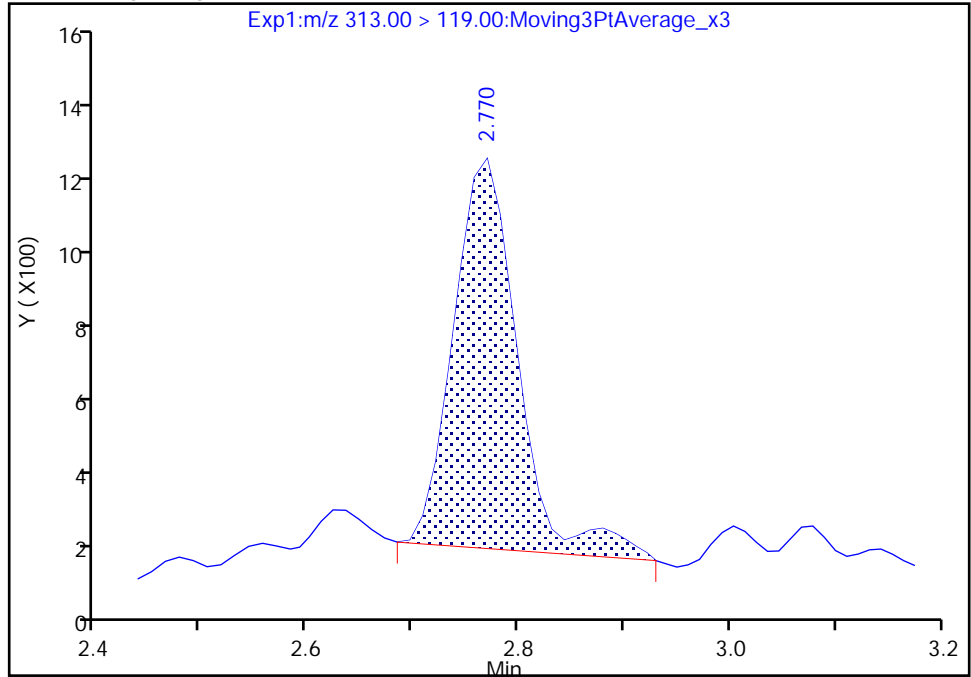
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Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

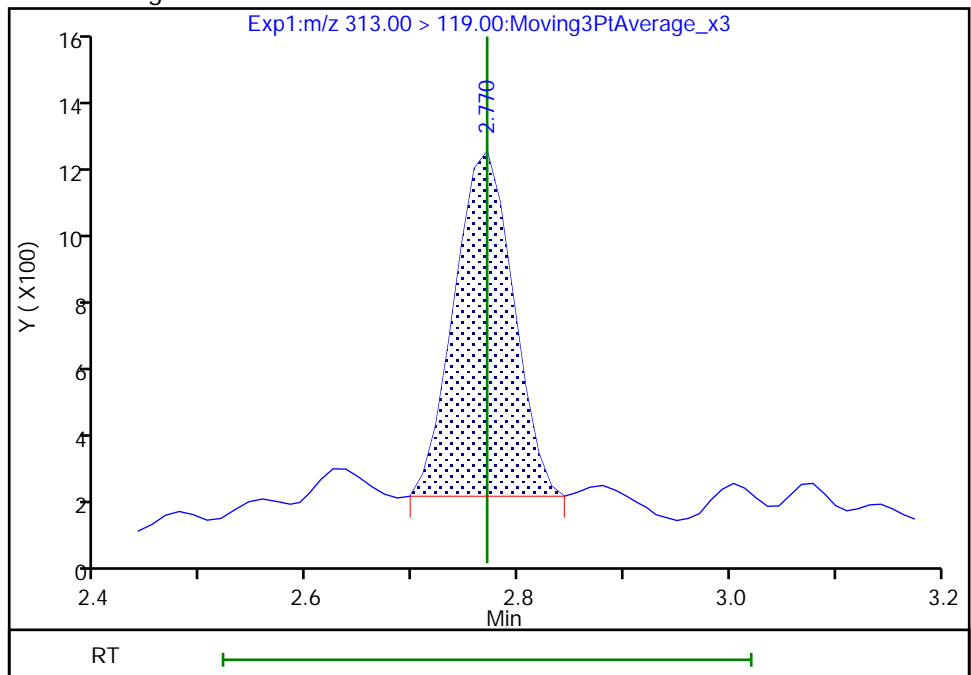
RT: 2.77  
Area: 4291  
Amount: 0.046859  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 3847  
Amount: 0.044982  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:48:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

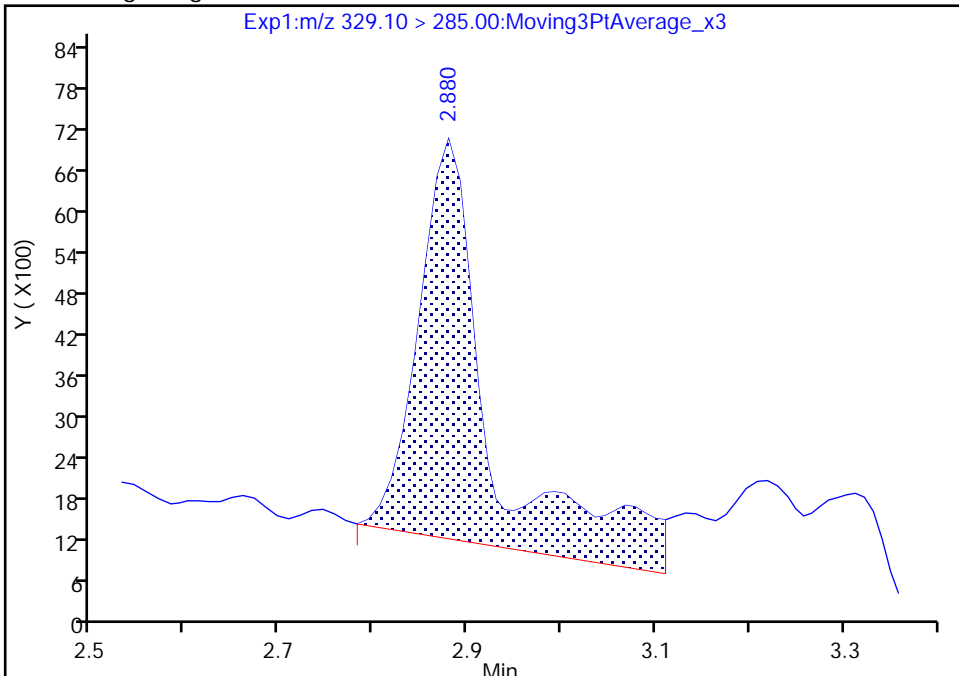
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Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

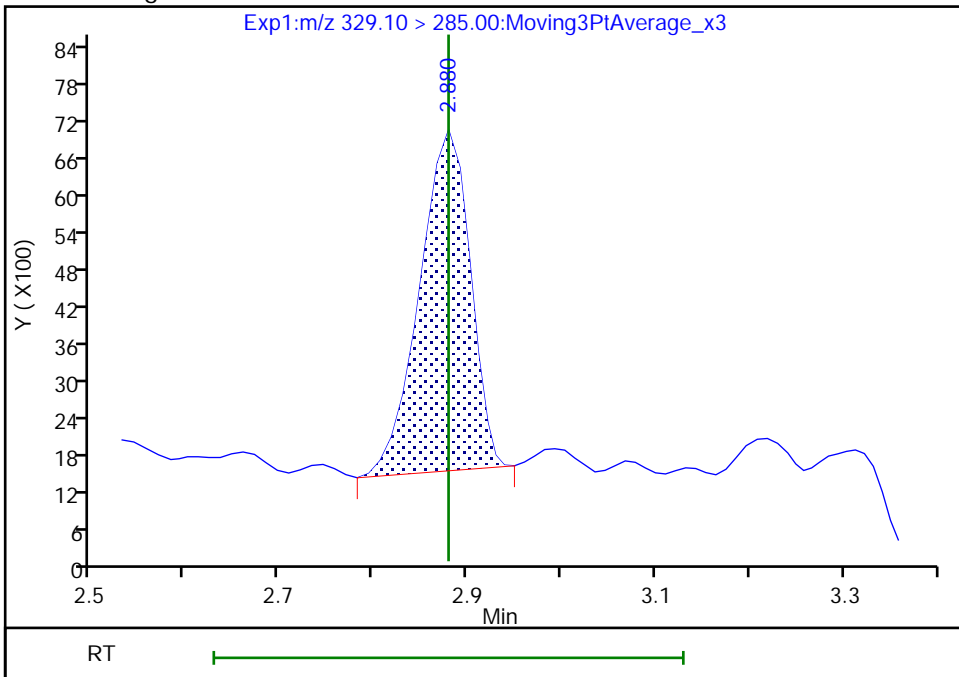
RT: 2.88  
Area: 31180  
Amount: 0.144778  
Amount Units: ng/ml

Processing Integration Results



RT: 2.88  
Area: 20607  
Amount: 0.095685  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:01  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

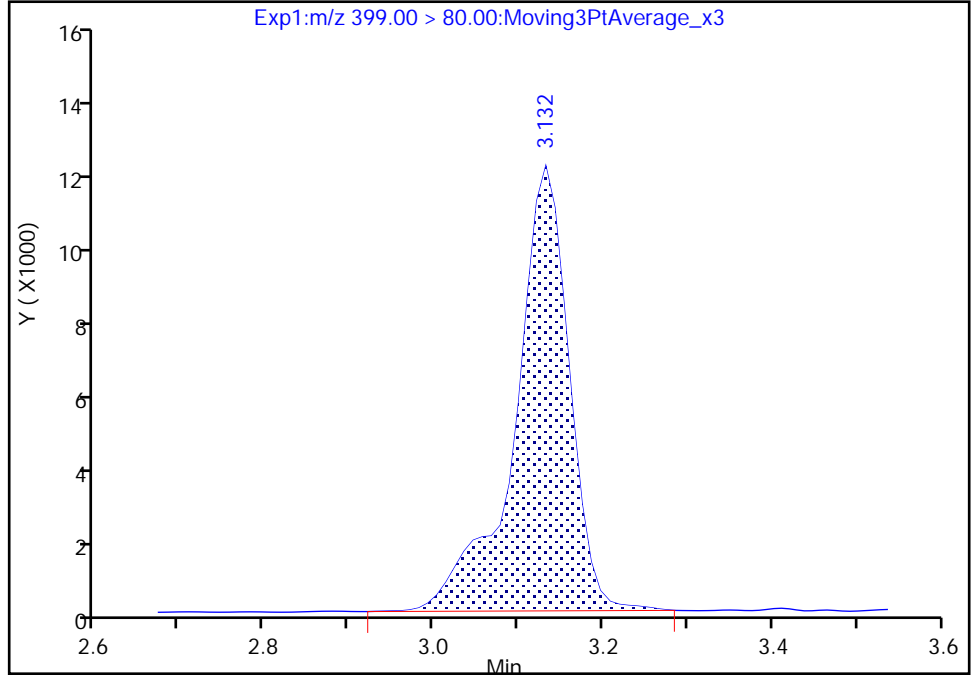
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Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

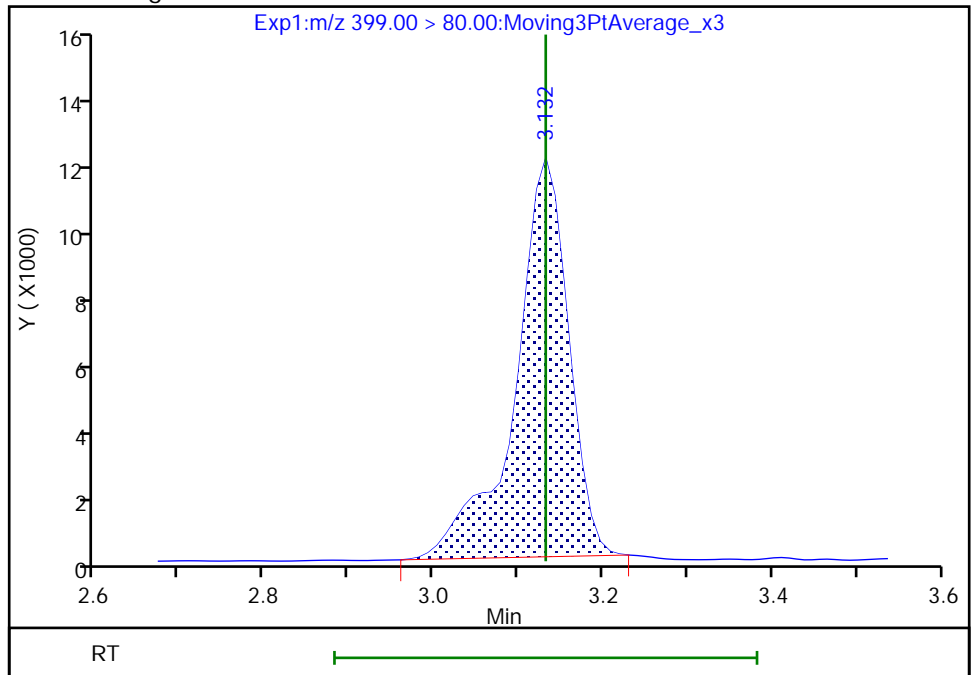
RT: 3.13  
Area: 52030  
Amount: 0.049424  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 50592  
Amount: 0.048058  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:08  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

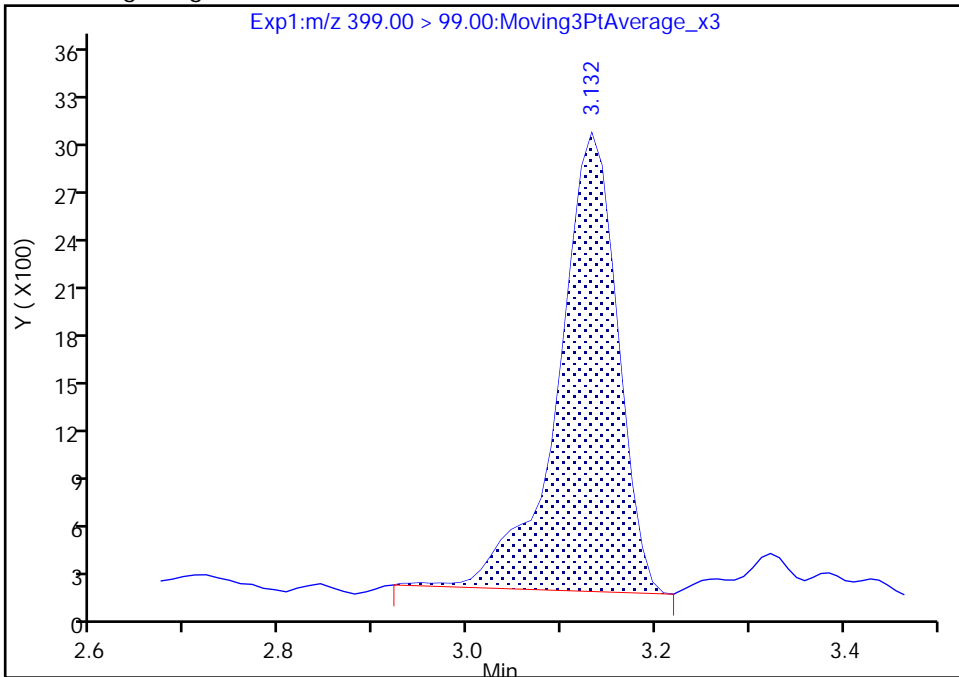
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

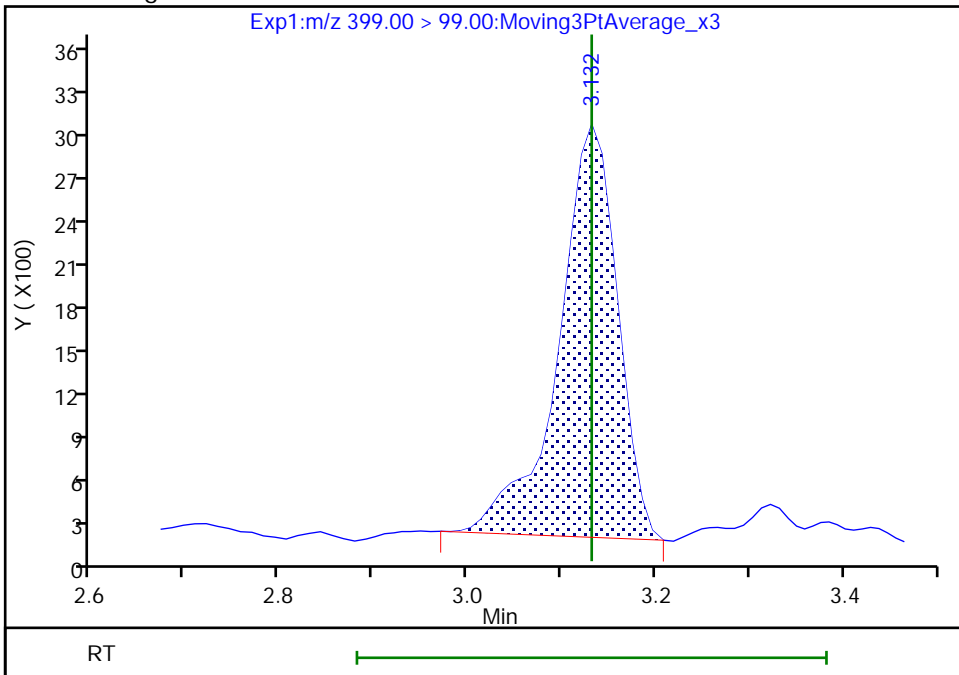
RT: 3.13  
Area: 12716  
Amount: 0.049424  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 12490  
Amount: 0.048058  
Amount Units: ng/ml

Manual Integration Results



Euofins TestAmerica, Burlington

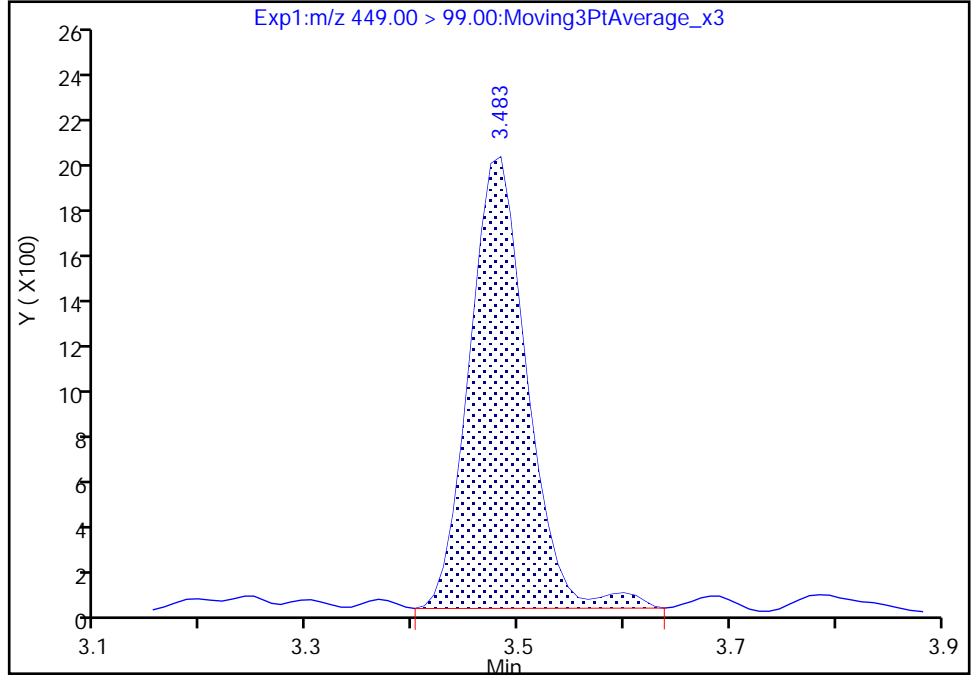
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

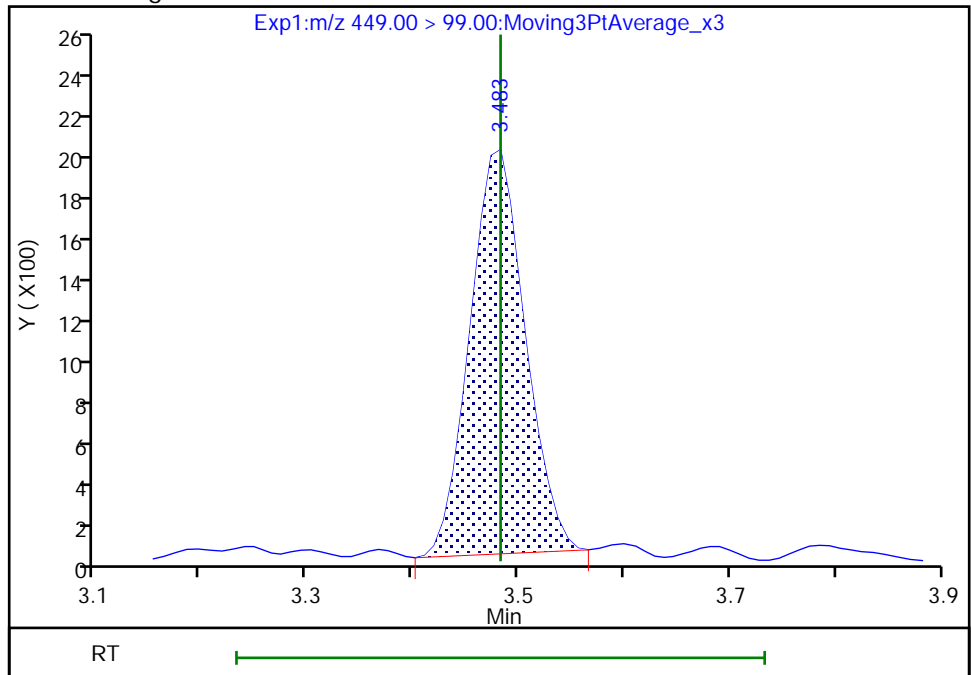
RT: 3.48  
Area: 7553  
Amount: 0.046420  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 7185  
Amount: 0.045850  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:21  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

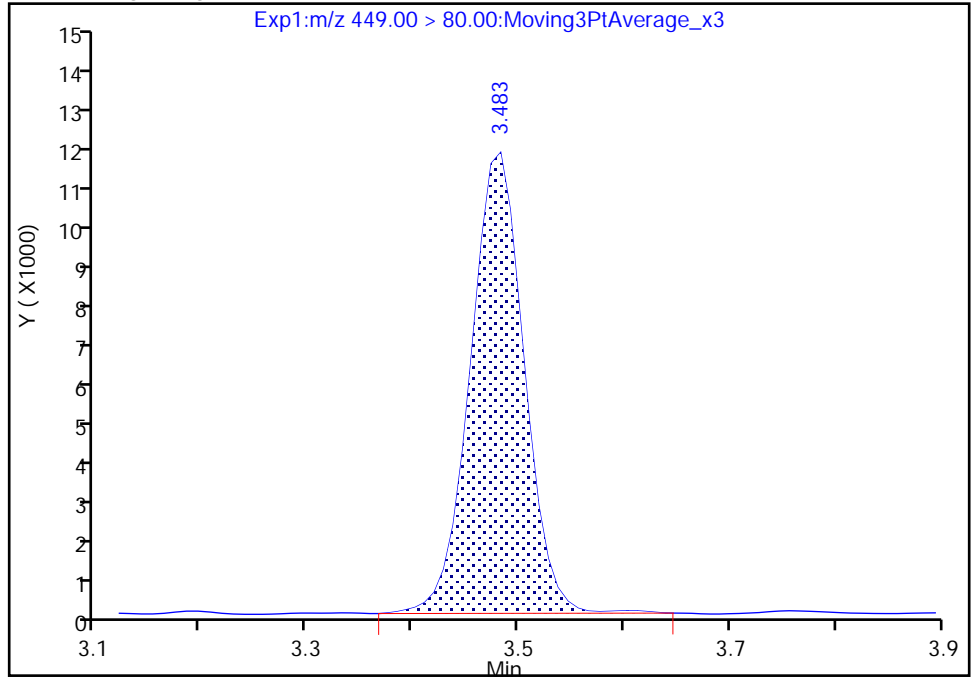
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

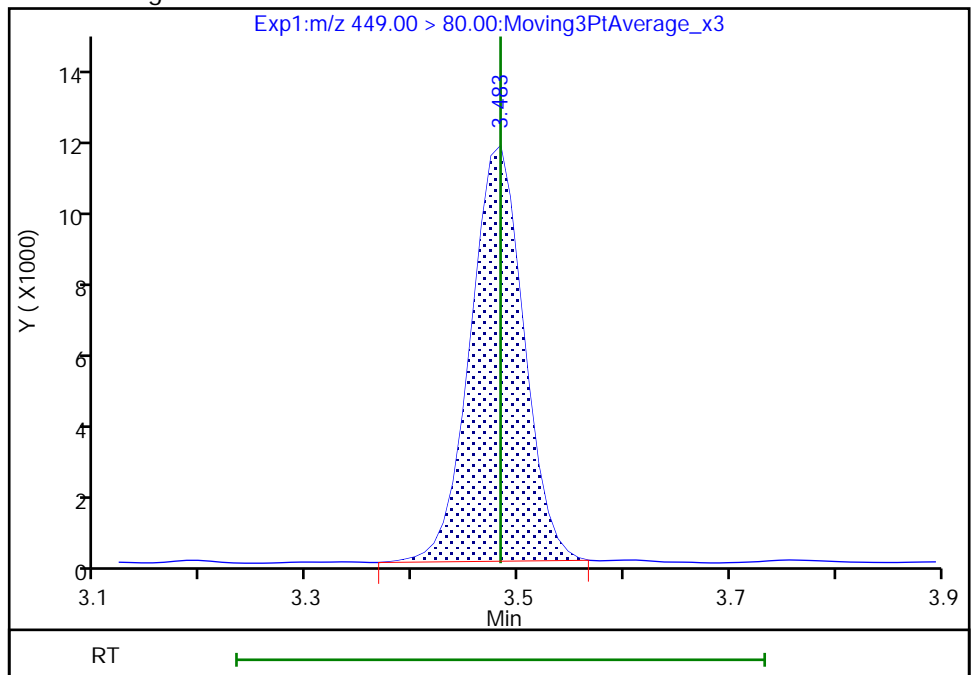
RT: 3.48  
Area: 41072  
Amount: 0.046420  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 40568  
Amount: 0.045850  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

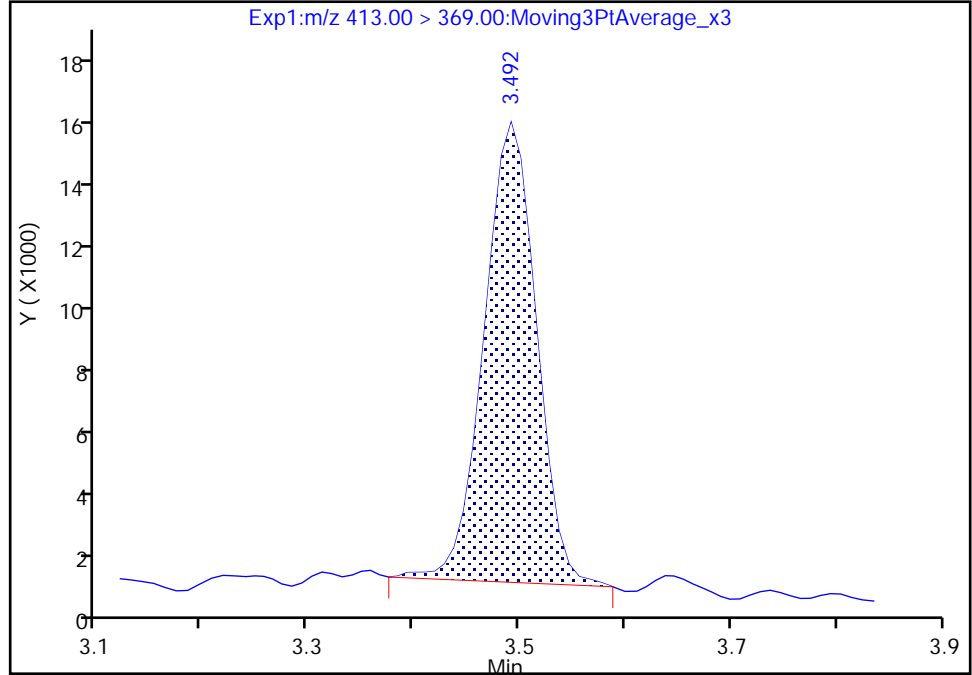
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

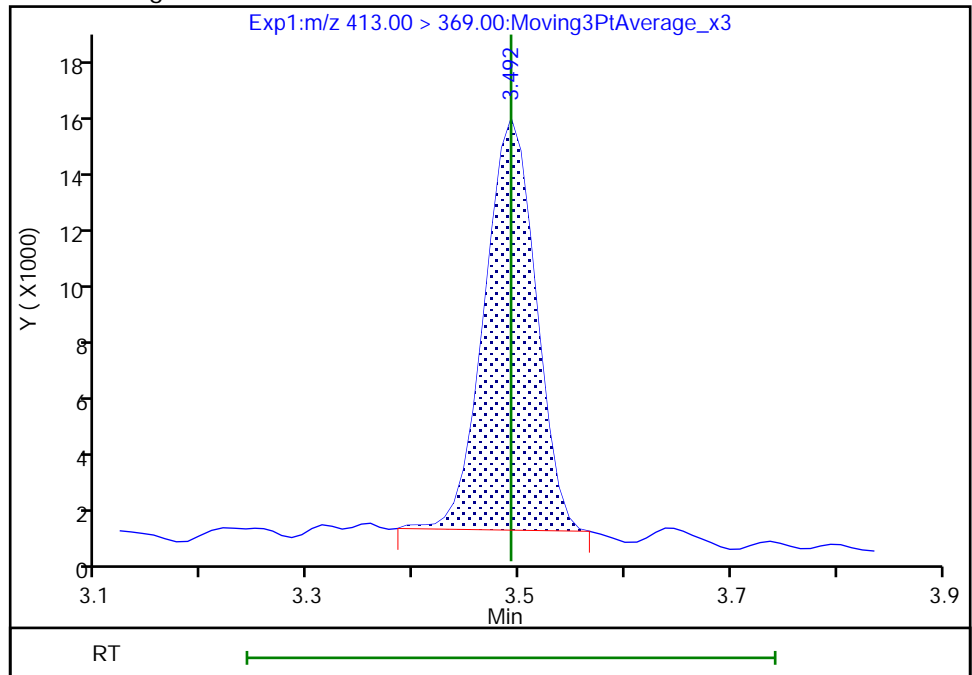
RT: 3.49  
Area: 49177  
Amount: 0.047726  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 47703  
Amount: 0.046295  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:33  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

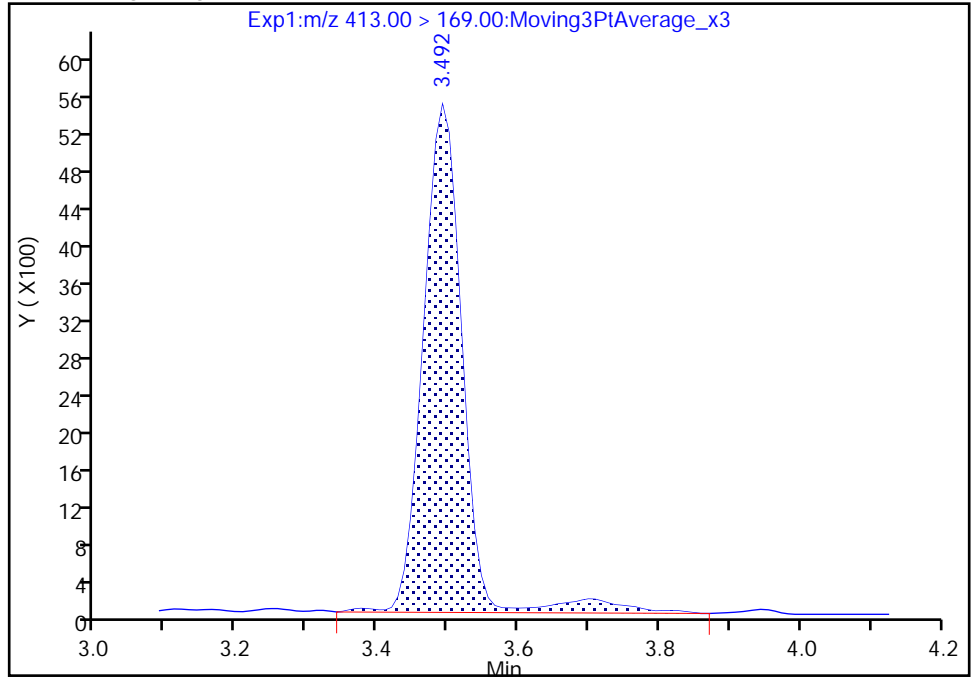
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

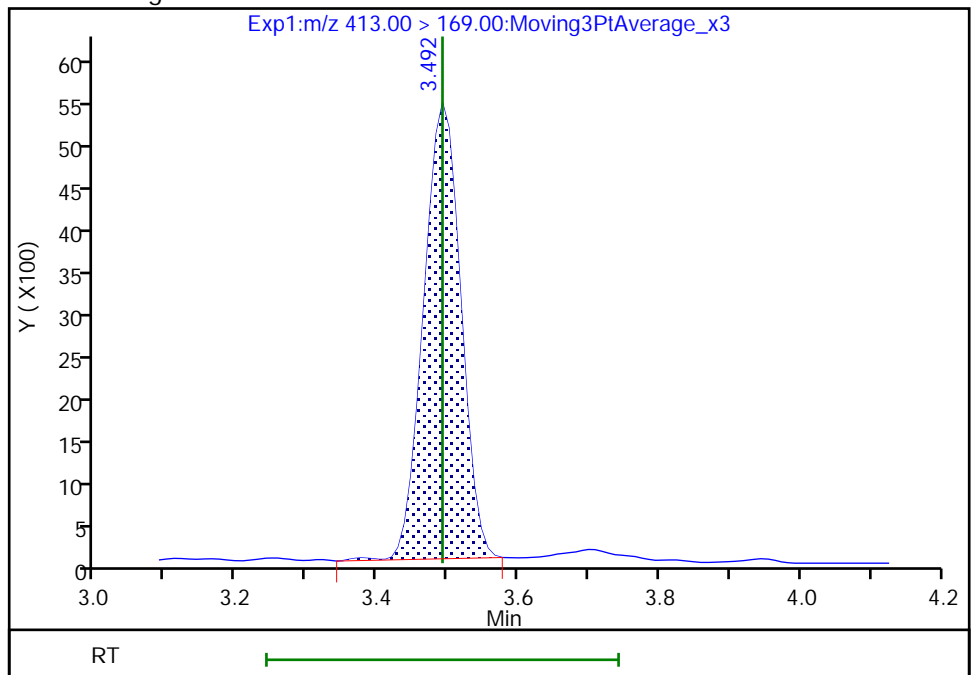
RT: 3.49  
Area: 21128  
Amount: 0.047726  
Amount Units: ng/ml

Processing Integration Results



RT: 3.49  
Area: 19644  
Amount: 0.046295  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

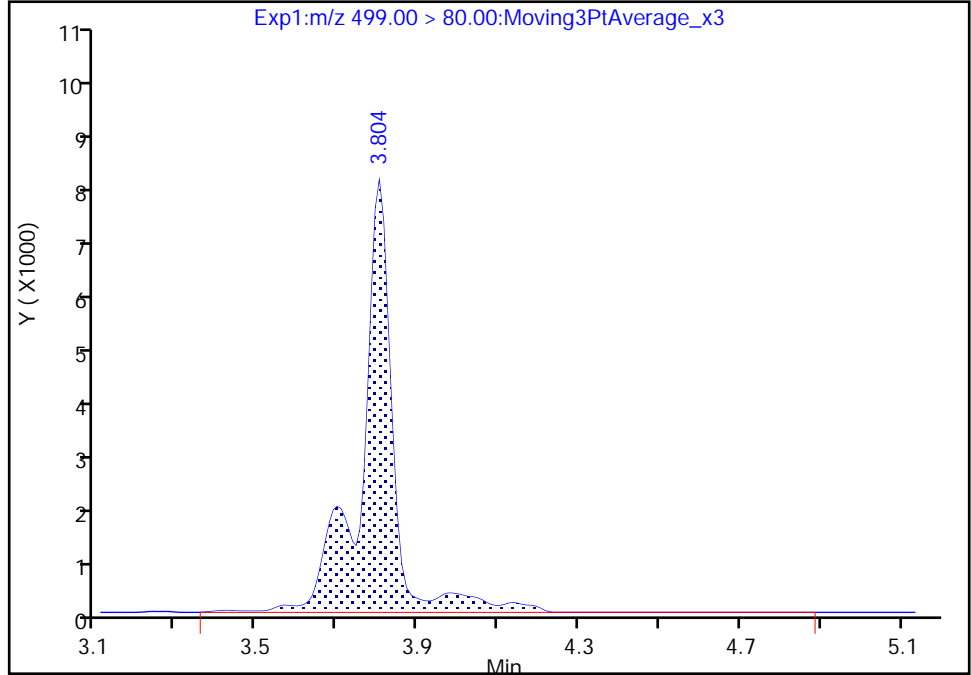
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

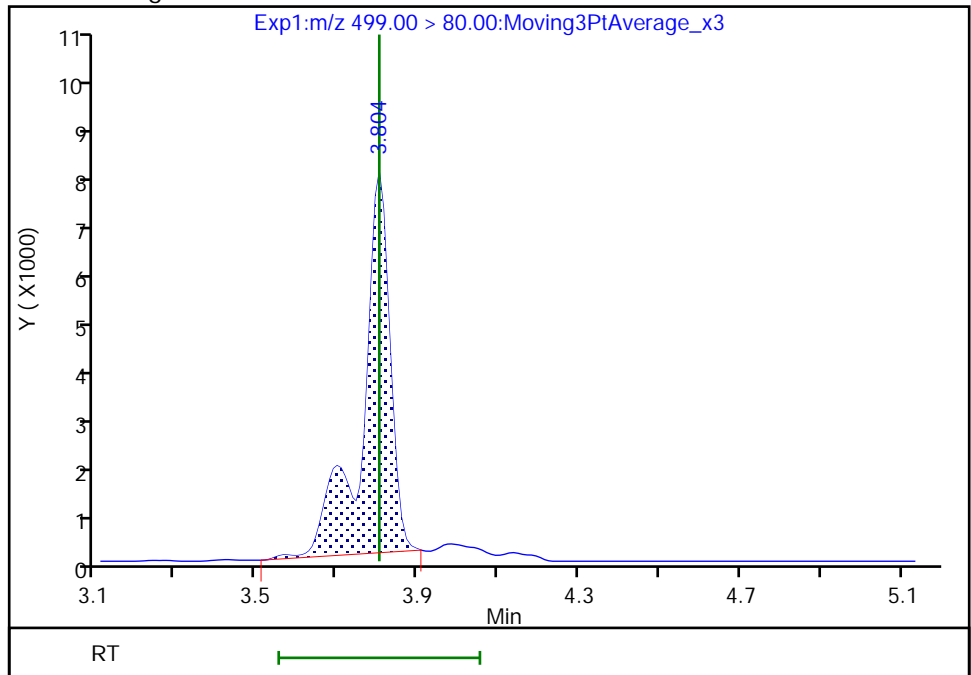
RT: 3.80  
Area: 41441  
Amount: 0.054985  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 34876  
Amount: 0.046274  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:44  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

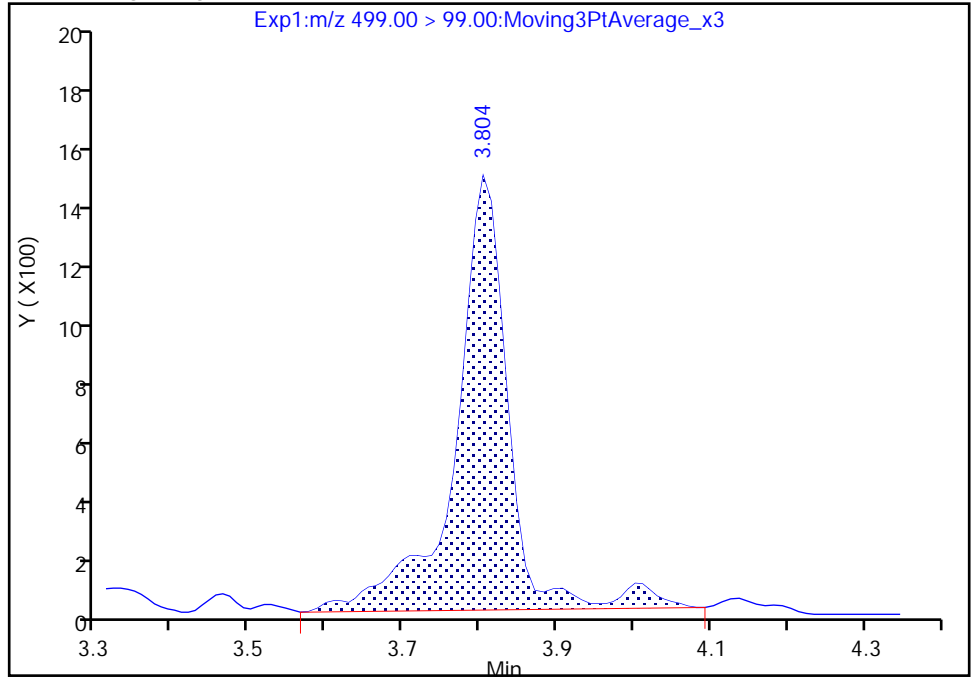
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

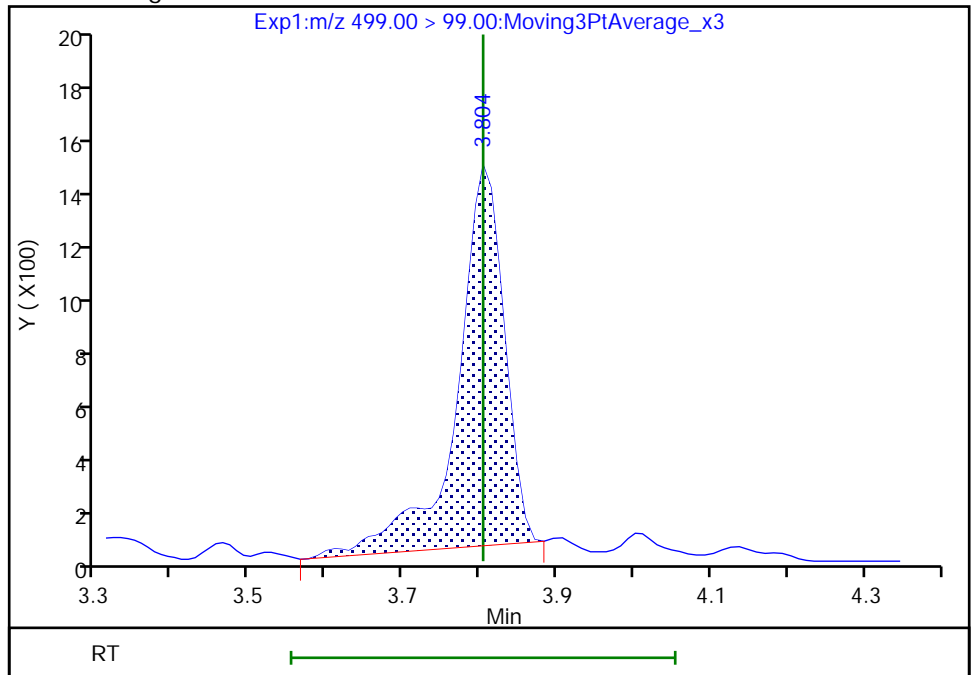
RT: 3.80  
Area: 7042  
Amount: 0.054985  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 6025  
Amount: 0.046274  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:49:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

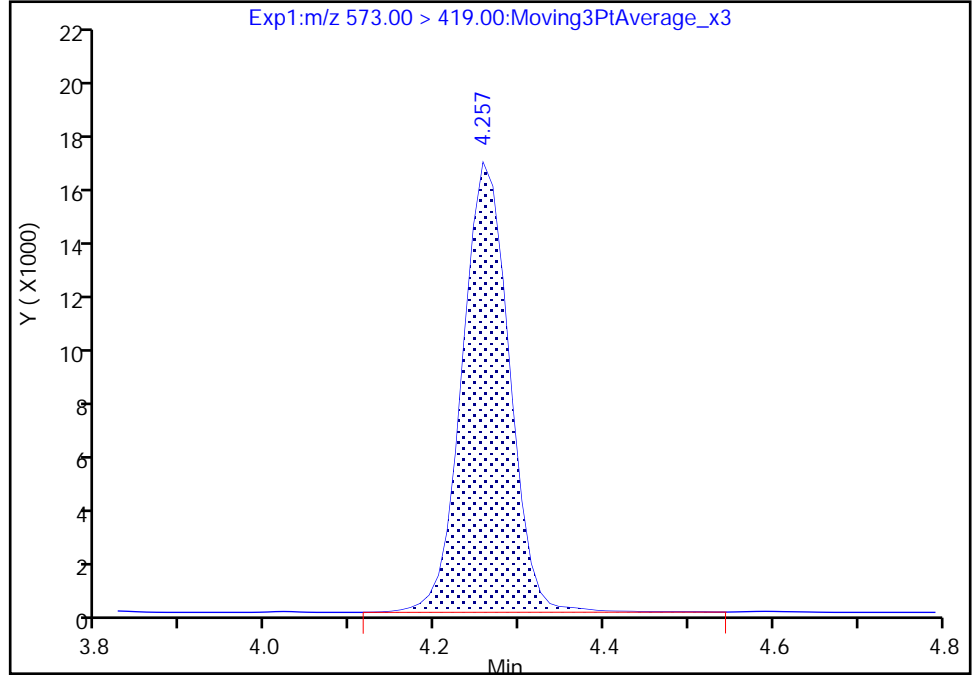
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

**D 27 d3-NMeFOSAA, CAS: STL02118**  
Signal: 1

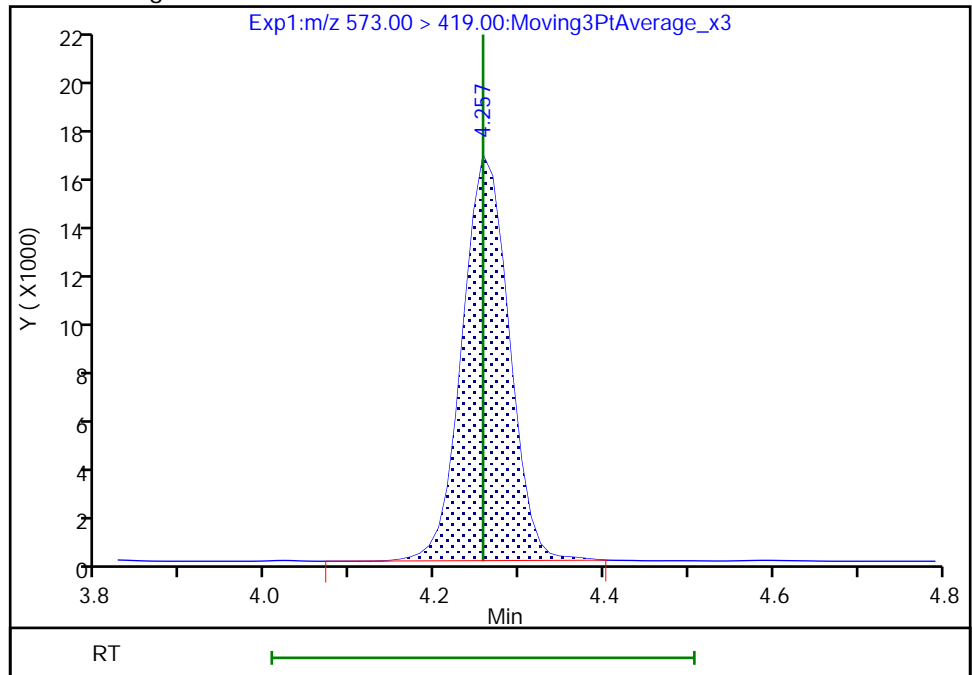
RT: 4.26  
Area: 64395  
Amount: 1.135260  
Amount Units: ng/ml

Processing Integration Results



RT: 4.26  
Area: 63886  
Amount: 1.126286  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:50:12  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

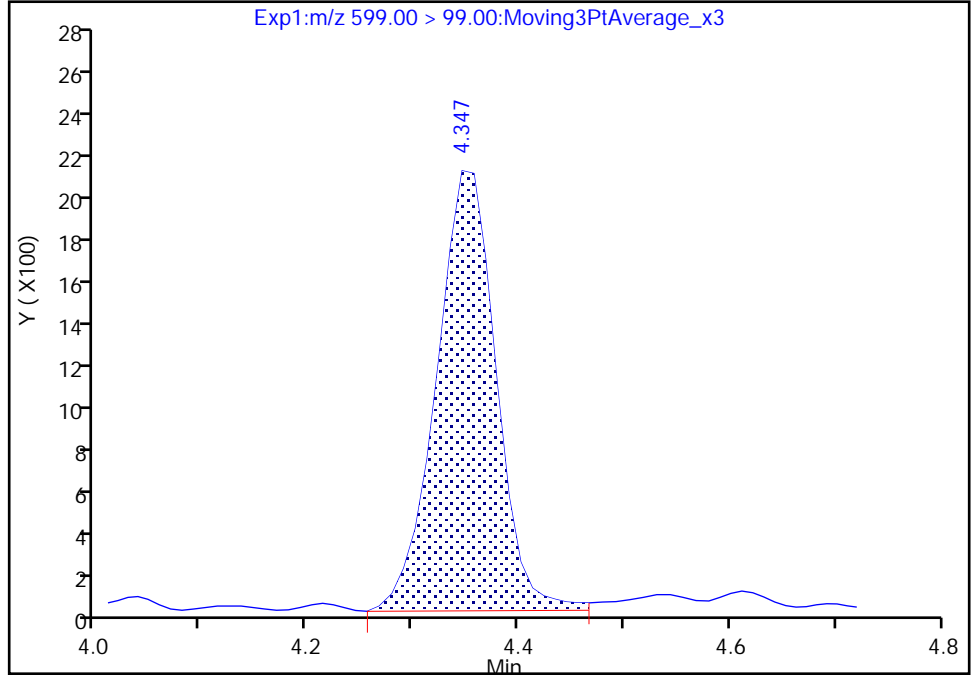
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

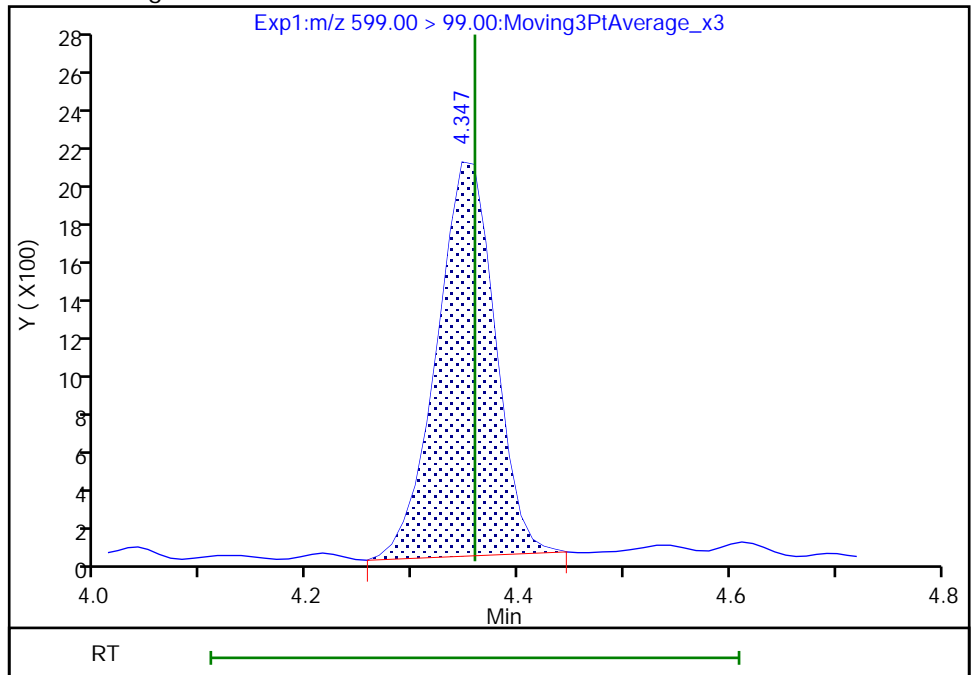
RT: 4.35  
Area: 8185  
Amount: 0.044444  
Amount Units: ng/ml

Processing Integration Results



RT: 4.35  
Area: 7914  
Amount: 0.044444  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:50:19  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

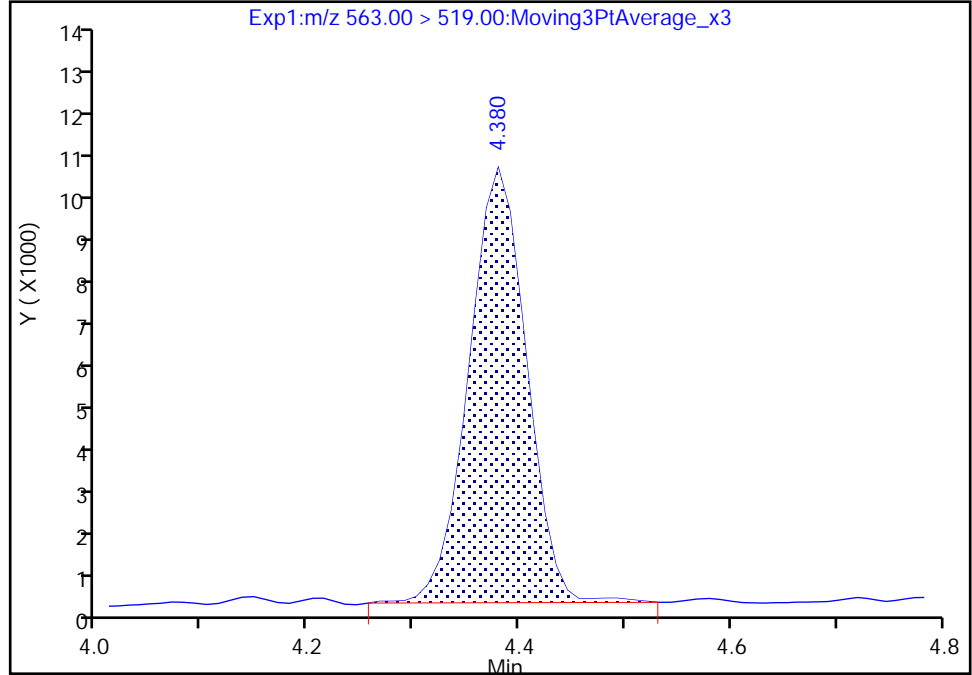
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

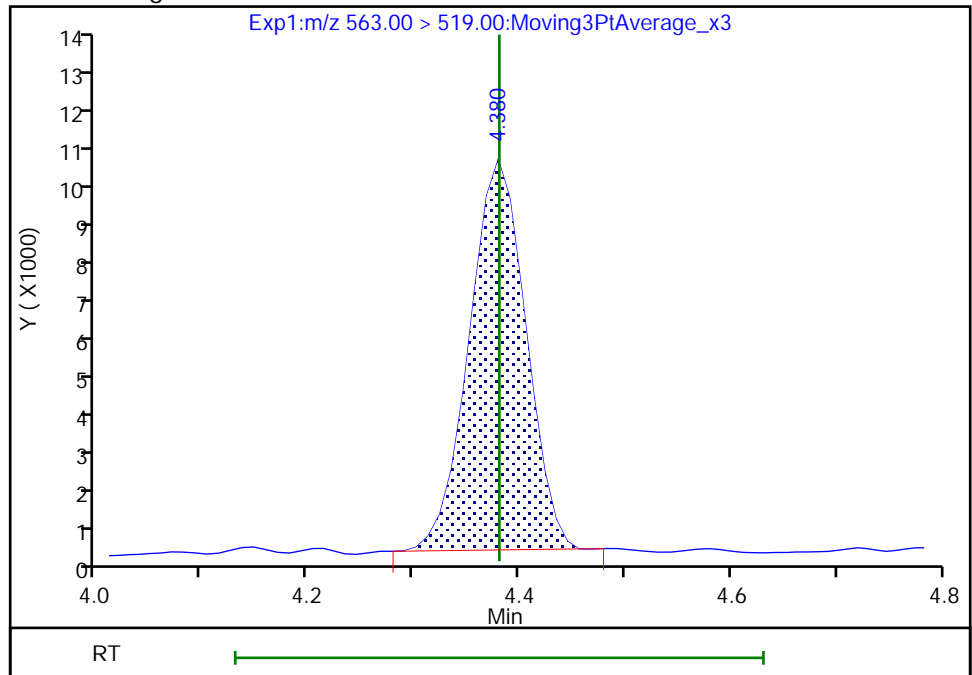
RT: 4.38  
Area: 37846  
Amount: 0.056779  
Amount Units: ng/ml

Processing Integration Results



RT: 4.38  
Area: 36841  
Amount: 0.055271  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:50:24  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

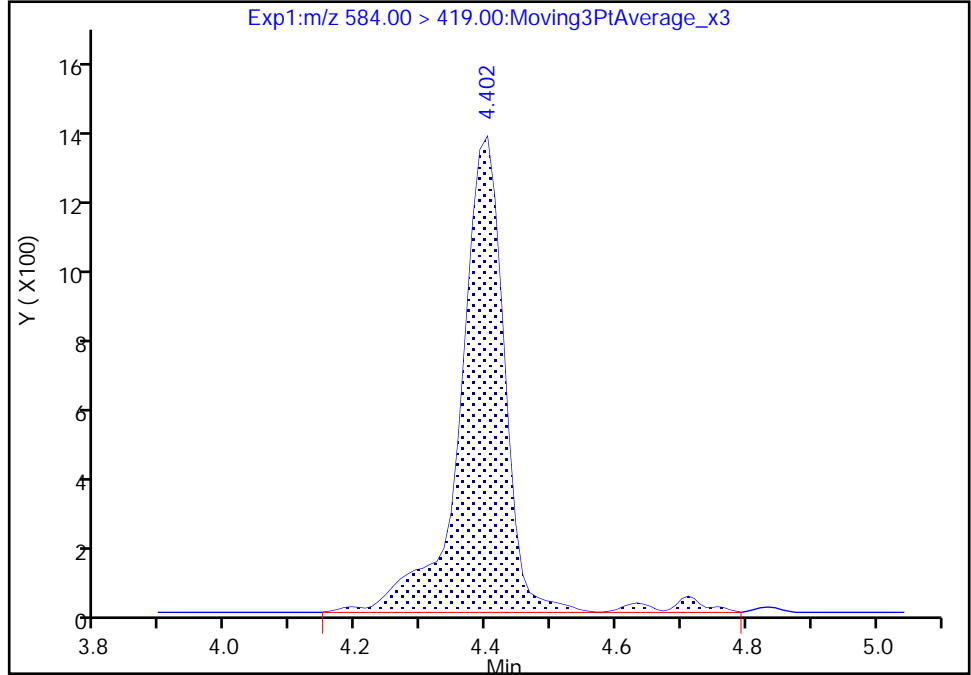
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

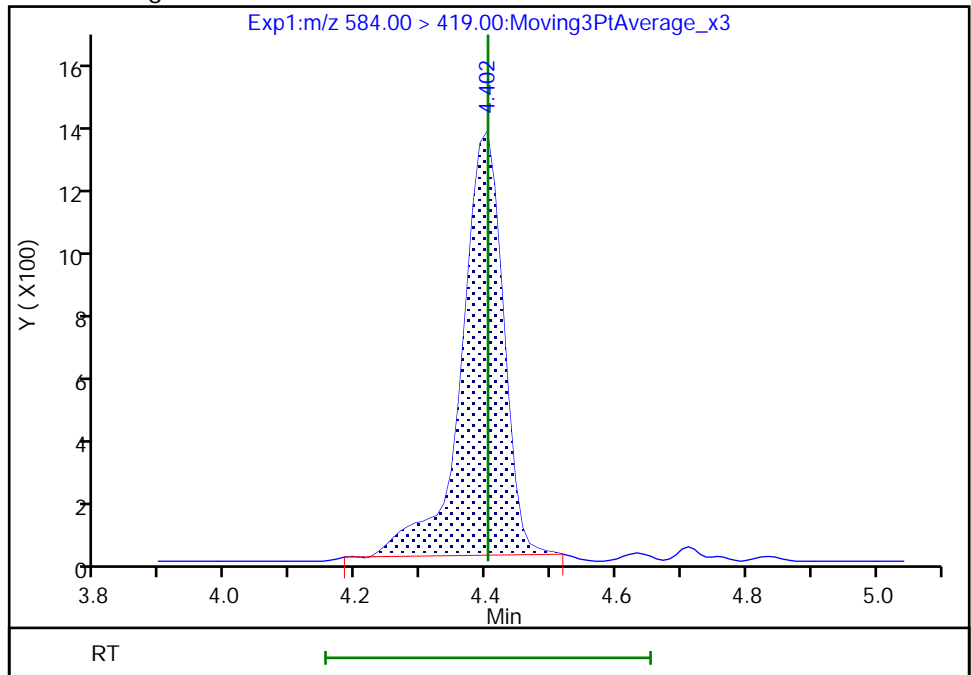
RT: 4.40  
Area: 6522  
Amount: 0.147773  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 5925  
Amount: 0.134247  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 08:50:40  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

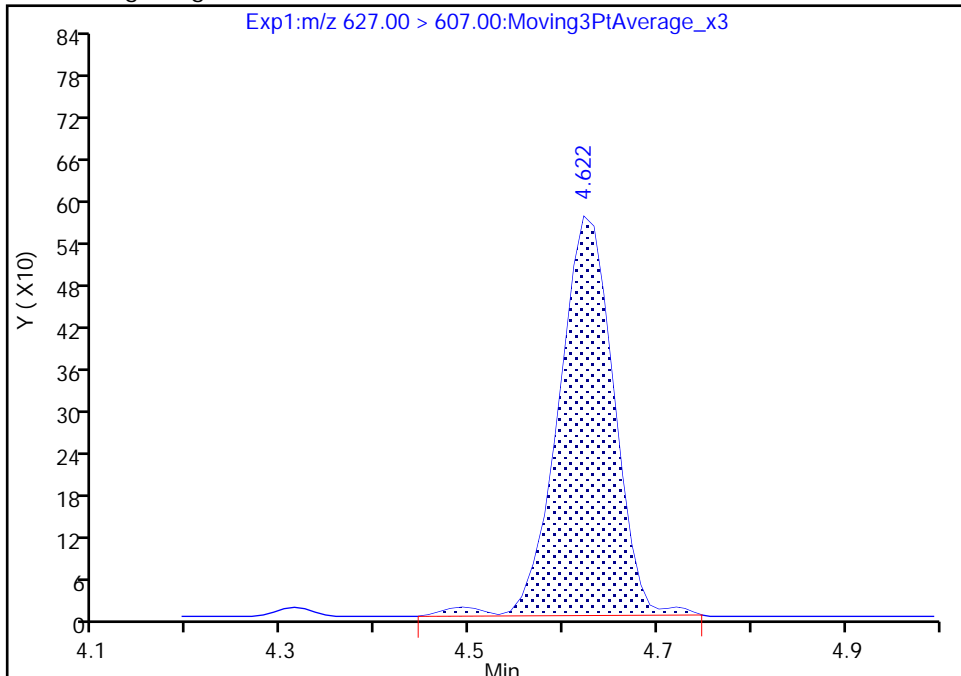
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

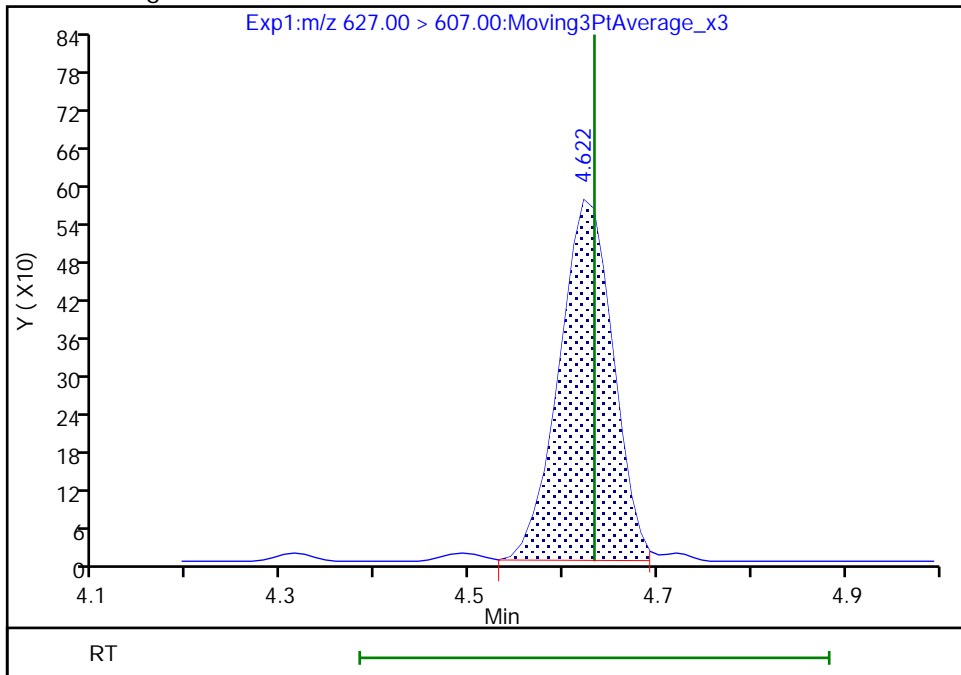
RT: 4.62  
Area: 2338  
Amount: 0.052153  
Amount Units: ng/ml

Processing Integration Results



RT: 4.62  
Area: 2270  
Amount: 0.050636  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:15:55  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

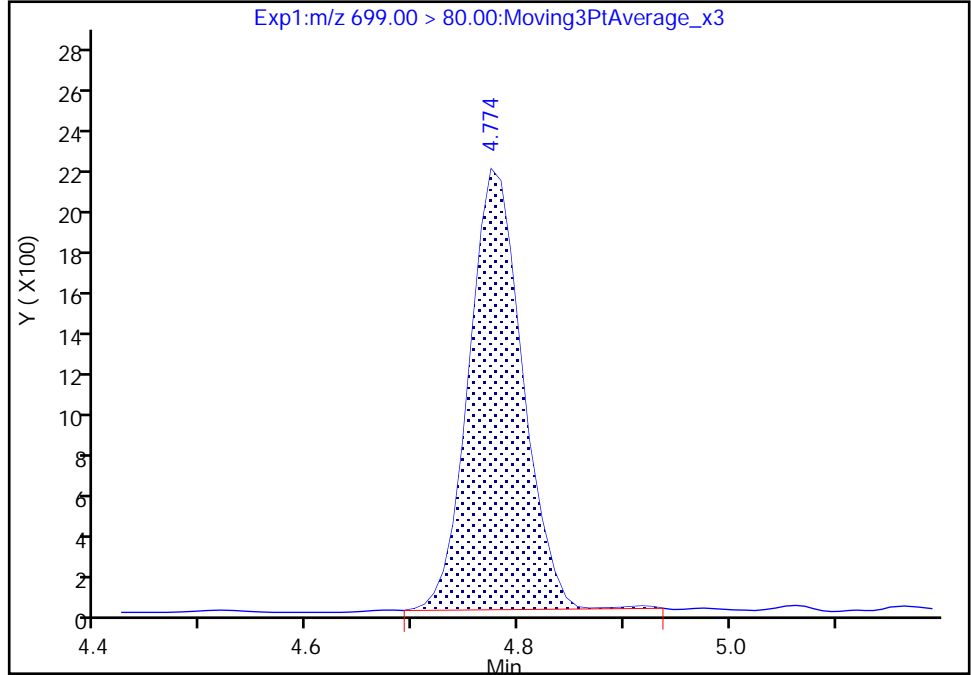
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

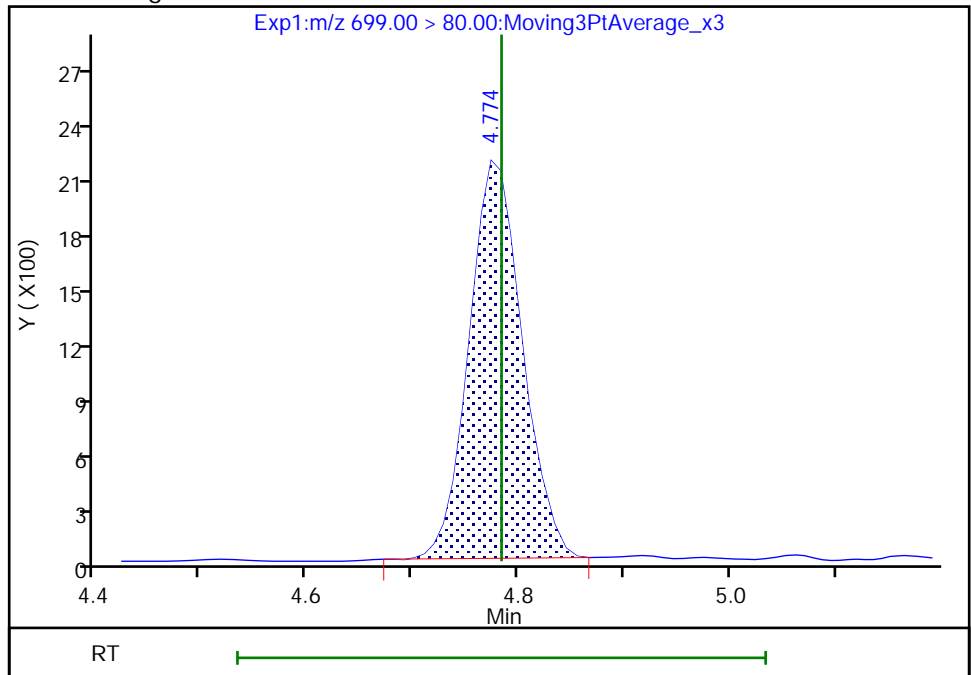
RT: 4.77  
Area: 7558  
Amount: 0.045825  
Amount Units: ng/ml

Processing Integration Results



RT: 4.77  
Area: 7499  
Amount: 0.045467  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:16:02  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

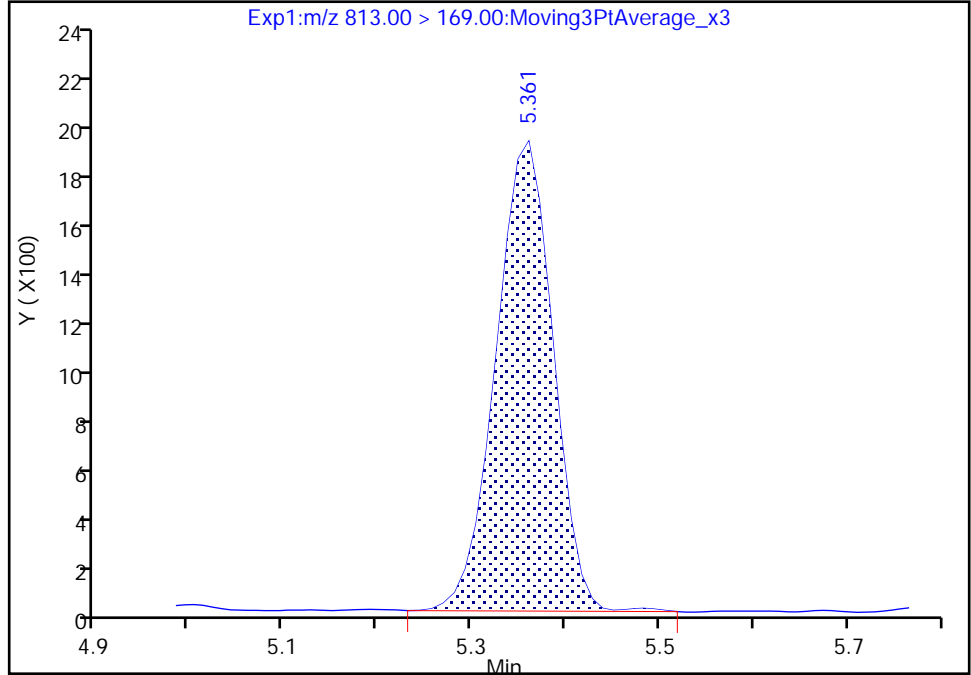
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A05.d  
Injection Date: 21-Jan-2021 12:50:23 Instrument ID: LC812  
Lims ID: CCVL  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

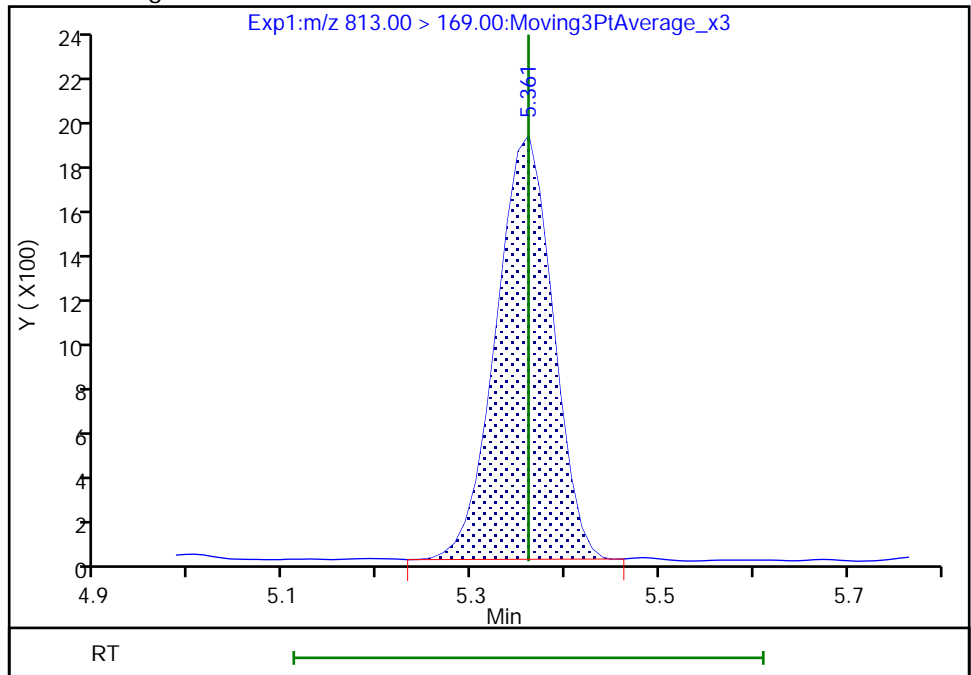
RT: 5.36  
Area: 7874  
Amount: 0.050693  
Amount Units: ng/ml

Processing Integration Results



RT: 5.36  
Area: 7805  
Amount: 0.050693  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:16:28  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-163165/6 Calibration Date: 01/21/2021 12:58  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121A06.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9497		0.948	1.00	-5.2	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.066		0.963	1.00	-3.7	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.104		0.862	0.884	-2.4	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.645		0.838	0.934	-10.3	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.062		0.972	1.00	-2.8	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.232		0.881	0.938	-6.1	50.0
HFPO-DA	AveID	1.385	1.500		1.08	1.00	8.2	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.034		0.947	1.00	-5.3	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.137		0.878	0.910	-3.5	40.0
DONA	AveID	3.349	3.045		0.857	0.942	-9.1	50.0
6:2 FTS	AveID	1.112	0.9641		0.822	0.948	-13.3	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.294		0.913	0.952	-4.1	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.059		0.977	1.00	-2.3	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.089		0.879	0.928	-5.3	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.084		0.980	1.00	-2.0	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.138		0.827	0.932	-11.3	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8316		0.930	0.960	-3.1	50.0
8:2 FTS	AveID	0.6801	0.5603		0.789	0.958	-17.6	40.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.030		0.999	1.00	-0.0	40.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.002	1.005		1.00	1.00	0.3	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9305		1.05	1.00	5.0	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6719		0.947	0.964	-1.8	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.091		1.07	1.00	7.0	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.9448		1.02	1.00	2.1	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.067		0.755	0.942	-19.9	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	0.9808		0.892	1.00	-10.8	40.0
10:2 FTS	AveID	0.3501	0.3194		0.879	0.964	-8.8	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2540		0.977	0.968	0.9	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.8722		0.977	1.00	-2.3	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.1938		1.05	1.00	4.5	40.0

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-163165/6 Calibration Date: 01/21/2021 12:58  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121A06.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9810		1.04	1.00	3.8	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.9017		1.00	1.00	0.2	50.0
13C4 PFBA	Ave	1.343	1.243		1.16	1.25	-7.4	50.0
13C5 PFPeA	Ave	0.9710	0.9126		1.18	1.25	-6.0	50.0
13C3 PFBS	Ave	1.278	1.182		1.08	1.16	-7.5	50.0
M2-4:2 FTS	Ave	0.1066	0.1031		1.13	1.17	-3.3	50.0
13C2 PFHxA	Ave	1.018	0.9787		1.20	1.25	-3.8	50.0
13C3 HFPO-DA	Ave	0.1792	0.1309		0.913	1.25	-27.0	50.0
13C4 PFHpA	Ave	0.9742	0.9573		1.23	1.25	-1.7	50.0
18O2 PFHxS	Ave	0.9511	0.9218		1.15	1.18	-3.1	50.0
M2-6:2 FTS	Ave	0.1187	0.1202		1.20	1.19	1.3	50.0
13C4 PFOA	Ave	0.9896	0.9623		1.22	1.25	-2.8	50.0
13C4 PFOS	Ave	0.6528	0.6702		1.23	1.20	2.7	50.0
13C5 PFNA	Ave	0.8730	0.8369		1.20	1.25	-4.1	50.0
13C2 PFDA	Ave	0.8346	0.7988		1.20	1.25	-4.3	50.0
M2-8:2 FTS	Ave	0.1225	0.1259		1.23	1.20	2.8	50.0
13C8 FOSA	Ave	1.227	1.282		1.31	1.25	4.5	50.0
d3-NMeFOSAA	Ave	0.0605	0.0548		1.13	1.25	-9.5	50.0
13C2 PFUnA	Ave	0.6856	0.6760		1.23	1.25	-1.4	50.0
d5-NEtFOSAA	Ave	0.0585	0.0515		1.10	1.25	-12.1	50.0
13C2 PFDoA	Ave	0.7238	0.7328		1.27	1.25	1.2	50.0
13C2 PFTeDA	Ave	0.5353	0.5313		1.24	1.25	-0.8	50.0
13C2 PFHxDA	Ave	0.5718	0.5375		1.18	1.25	-6.0	50.0

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
 Lims ID: CCVIS  
 Client ID:  
 Sample Type: CCVIS  
 Inject. Date: 21-Jan-2021 12:58:41 ALS Bottle#: 3 Worklist Smp#: 6  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: CCVIS  
 Misc. Info.: 200-0044530-006 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3  
 Method: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 09:20:09 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614

First Level Reviewer: deannd Date: 21-Jan-2021 13:39:49

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.091	2.091	0.0	0.599	1492436	1.16	92.6	9033	
2 Perfluorobutanoic acid	212.90 > 169.00	2.091	2.091	0.0	1.000	1133928	0.9478	94.8	272	
D 3 13C5 PFPeA	267.90 > 223.00	2.413	2.413	0.0	0.691	1095475	1.17	94.0	3557	
4 Perfluoropentanoic acid	262.90 > 219.00	2.413	2.413	0.0	1.000	934651	0.9632	96.3	62.2	
D 47 13C3 PFBS	301.90 > 80.00	2.426	2.426	0.0	0.695	1319843	1.08	92.5	452849	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.439	2.439	0.0	1.005	1107687	0.8624	Target=2.21	97.6	2404
	298.90 > 99.00	2.439	2.439	0.0	1.005	495756		2.23(1.11-3.32)		441
D 60 M2-4:2 FTS	329.00 > 81.00	2.734	2.734	0.0	0.783	115541	1.13	96.7	141	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.734	2.734	0.0	1.000	152034	0.8378	89.7	1485	
D 7 13C2 PFHxA	315.00 > 270.00	2.770	2.770	0.0	0.793	1174895	1.20	96.2	3471	
6 Perfluorohexanoic acid	313.00 > 269.00	2.770	2.770	0.0	1.000	998545	0.9725	Target=12.83	97.2	253
	313.00 > 119.00	2.770	2.770	0.0	1.000	77017		12.97(6.42-19.25)		116
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.770	2.770	0.0	0.884	1023116	0.8807	Target=3.35	93.9	1406
	349.00 > 99.00	2.770	2.770	0.0	0.884	295462		3.46(1.67-5.02)		583
D 64 13C3 HFPO-DA	332.10 > 287.00	2.880	2.880	0.0	0.825	157080	0.9128	73.0	1167	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags		
67 Perfluoro(2-propoxypropanoic) ac	329.10	> 285.00	2.880	2.880	0.0	1.000	188446	1.08	108	32.4		
D 11 18O2 PFHxS	403.00	> 84.00	3.132	3.132	0.0	0.897	1046736	1.15	96.9	2187		
8 Perfluorohexanesulfonic acid	399.00	> 80.00	3.132	3.132	0.0	1.000	915806	0.8779	Target=4.15	96.5	1308	M
	399.00	> 99.00	3.132	3.132	0.0	1.000	213924		4.28(2.08-6.23)		242	M
D 9 13C4 PFHpA	367.00	> 322.00	3.132	3.132	0.0	0.897	1149108	1.23	98.3	3769		
10 Perfluoroheptanoic acid	363.00	> 319.00	3.132	3.132	0.0	1.000	950442	0.9466	Target=3.66	94.7	292	
	363.00	> 169.00	3.132	3.132	0.0	1.000	259946		3.66(1.83-5.49)		896	
77 DONA	377.00	> 251.00	3.175	3.175	0.0	0.835	1846198	0.8567	Target=2.43	90.9	2122	
	377.00	> 85.00	3.175	3.175	0.0	0.835	765116		2.41(1.22-3.65)		1018	
16 Perfluoroheptanesulfonic acid	449.00	> 80.00	3.483	3.483	0.0	0.916	792954	0.9126	Target=5.95	95.9	2067	
	449.00	> 99.00	3.474	3.483	-0.009	0.913	129559		6.12(2.98-8.93)		659	
D 12 M2-6:2 FTS	429.00	> 81.00	3.483	3.483	0.0	0.997	137083	1.20	101	821		
13 1H,1H,2H,2H-perfluorooctanesulfo	427.00	> 407.00	3.483	3.483	0.0	1.000	105511	0.8217		86.7	700	
D 14 13C4 PFOA	417.00	> 372.00	3.492	3.492	0.0	1.000	1155194	1.22	97.2	3551		
* 62 13C2 PFOA	415.00	> 370.00	3.492	3.492	0.0		1200407	1.25		1966		
15 Perfluorooctanoic acid	413.00	> 369.00	3.492	3.492	0.0	1.000	978766	0.9771	Target=2.58	97.7	256	
	413.00	> 169.00	3.492	3.492	0.0	1.000	393369		2.49(1.29-3.87)		1496	
17 Perfluorooctanesulfonic acid	499.00	> 80.00	3.804	3.804	0.0	1.000	650421	0.8787	Target=5.65	94.7	1051	M
	499.00	> 99.00	3.804	3.804	0.0	1.000	112450		5.78(2.82-8.47)		629	M
D 18 13C4 PFOS	503.00	> 80.00	3.804	3.804	0.0	1.089	769072	1.23	103	2754		
D 19 13C5 PFNA	468.00	> 423.00	3.824	3.824	0.0	1.095	1004567	1.20	95.9	2769		
20 Perfluorononanoic acid	463.00	> 419.00	3.824	3.824	0.0	1.000	871435	0.9796	Target=7.44	98.0	135	
	463.00	> 169.00	3.824	3.824	0.0	1.000	126476		6.89(3.72-11.16)		1950	
69 9-Chlorohexadecafluoro-3-oxanona	531.00	> 351.00	3.964	3.964	0.0	1.042	682641	0.8266		88.7	2499	
68 Perfluorononanesulfonic acid	549.00	> 80.00	4.092	4.092	0.0	1.076	513772	0.9304	Target=2.54	96.9	2701	
	549.00	> 99.00	4.092	4.092	0.0	1.076	182864		2.81(1.27-3.81)		761	
D 23 13C2 PFDA	515.00	> 470.00	4.126	4.126	0.0	1.182	958912	1.20	95.7	2261		



Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.126	0.0	1.000	789867	1.00	Target=9.29	99.9	629	
513.00 > 169.00	4.126	4.126	0.0	1.000	97992		8.06(4.64-13.93)		798	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.126	0.0	1.182	144745	1.23		103	662	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.126	0.0	1.000	64877	0.7892		82.4	1866	
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.214	0.0	1.207	1538448	1.31		104	2987	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.214	4.214	0.0	1.000	1237132	1.00		100	2442	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.257	0.0	1.219	65740	1.13		90.5	196	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.268	0.0	1.003	48936	1.05		105	343	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.359	4.359	0.0	1.146	416881	0.9469	Target=2.80	98.2	2225	
599.00 > 99.00	4.359	4.359	0.0	1.146	145521		2.86(1.40-4.19)		1111	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.381	4.381	0.0	1.000	708462	1.07	Target=8.12	107	432	
563.00 > 169.00	4.381	4.381	0.0	1.000	85073		8.33(4.06-12.18)		1011	
D 30 13C2 PFUnA										
565.00 > 520.00	4.381	4.381	0.0	1.255	811423	1.23		98.6	3093	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.392	4.392	0.0	1.258	61769	1.10		87.9	532	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.403	4.403	0.0	1.003	46688	1.02		102	463	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.480	4.480	0.0	1.178	646640	0.7546		80.1	1905	
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.612	0.0	1.321	879631	1.27		101	3570	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.612	0.0	1.000	690210	0.8918	Target=6.91	89.2	210	
613.00 > 169.00	4.612	4.612	0.0	1.000	111277		6.20(3.45-10.36)		1363	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.633	0.0	1.123	37221	0.8795		91.2	889	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.784	4.784	0.0	1.258	158255	0.9770	Target=0.51	101	1567	
699.00 > 99.00	4.784	4.784	0.0	1.258	313041		0.51(0.26-0.77)		1520	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.823	4.823	0.0	1.046	613798	0.9772	Target=4.39	97.7	185	
663.00 > 169.00	4.823	4.823	0.0	1.046	145317		4.22(2.20-6.59)		1190	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.005	5.005	0.0	1.000	98860	1.04	Target=1.06	104	1283	
713.00 > 219.00	5.005	5.005	0.0	1.000	97678		1.01(0.53-1.59)		1163	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.005	5.005	0.0	1.433	637718	1.24		99.2	2850	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.361	5.361	0.0	1.535	645253	1.18		94.0	2501	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.361	5.361	0.0	1.000	506385	1.04	Target=3.84	104	187	
813.00 > 169.00	5.361	5.361	0.0	1.000	130509		3.88(1.92-5.76)		1941	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.692	5.692	0.0	1.062	465456	1.00	Target=3.92	100	238	
913.00 > 169.00	5.692	5.692	0.0	1.062	129141		3.60(1.96-5.88)		848	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC4\_00015

Amount Added: 100.00

Units: uL

Data File: \\chromf\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d

Injection Date: 21-Jan-2021 12:58:41

Instrument ID: LC812

Lims ID: CCVIS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

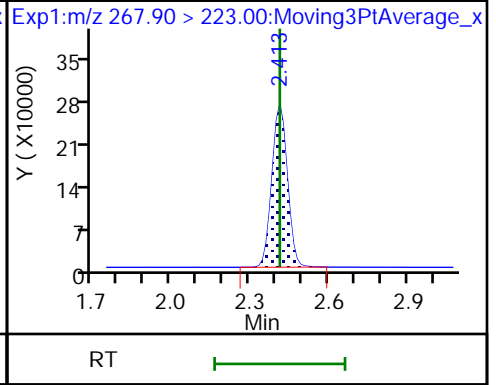
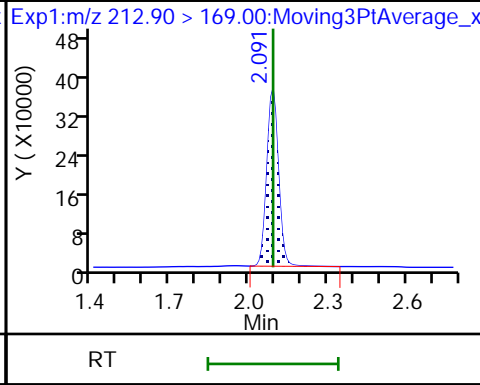
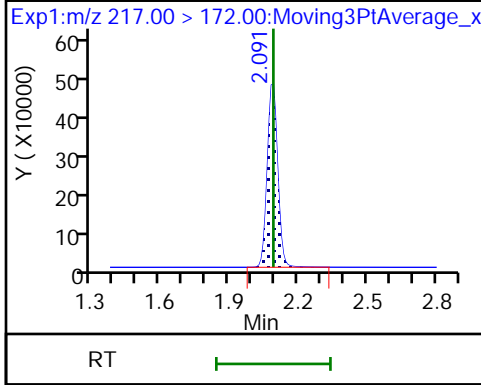
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

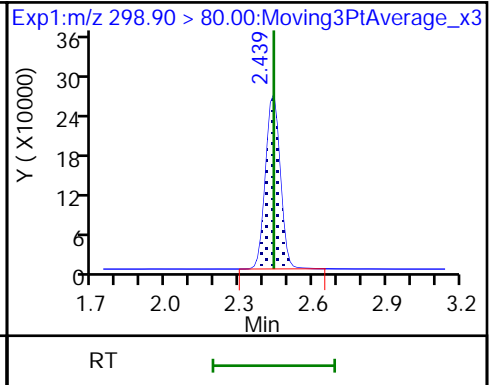
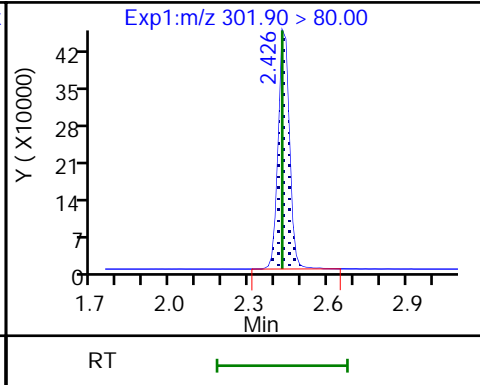
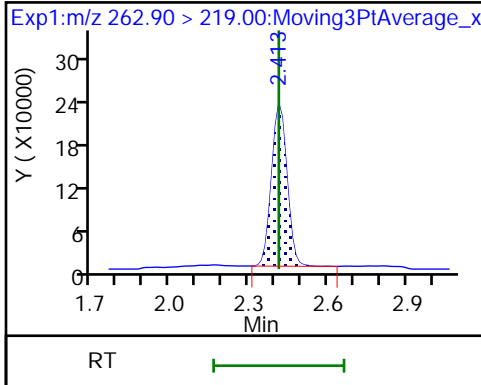
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

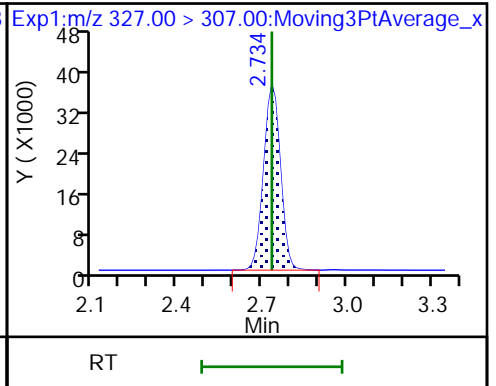
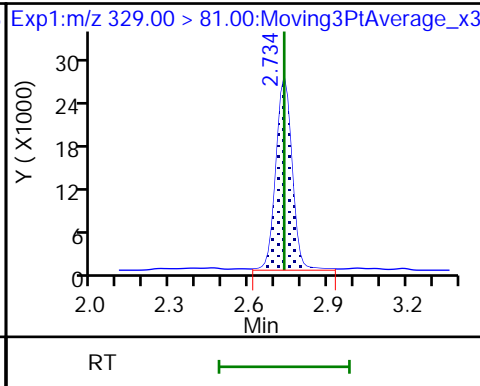
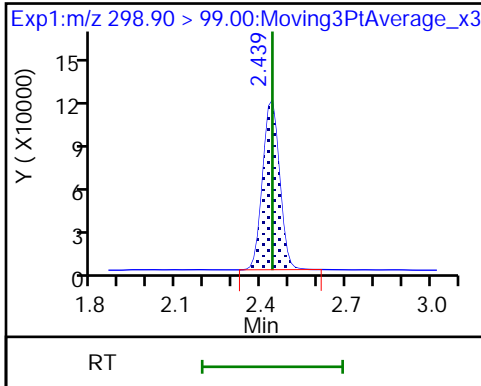
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

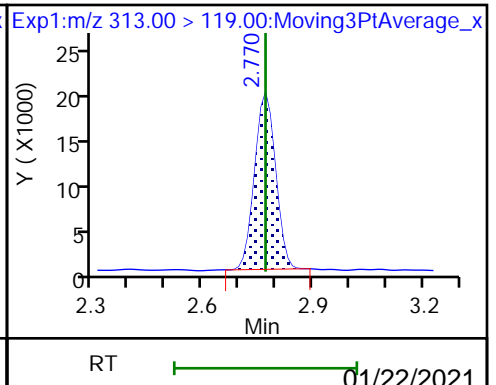
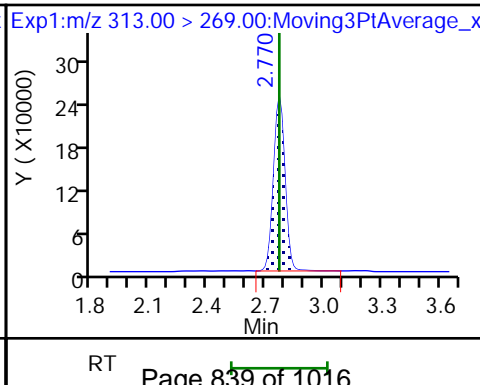
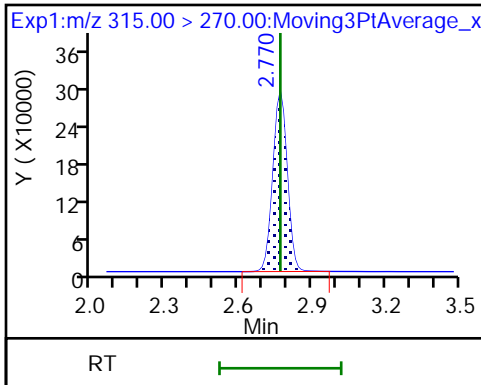
61 1H,1H,2H,2H-perfluorohexanesulfo

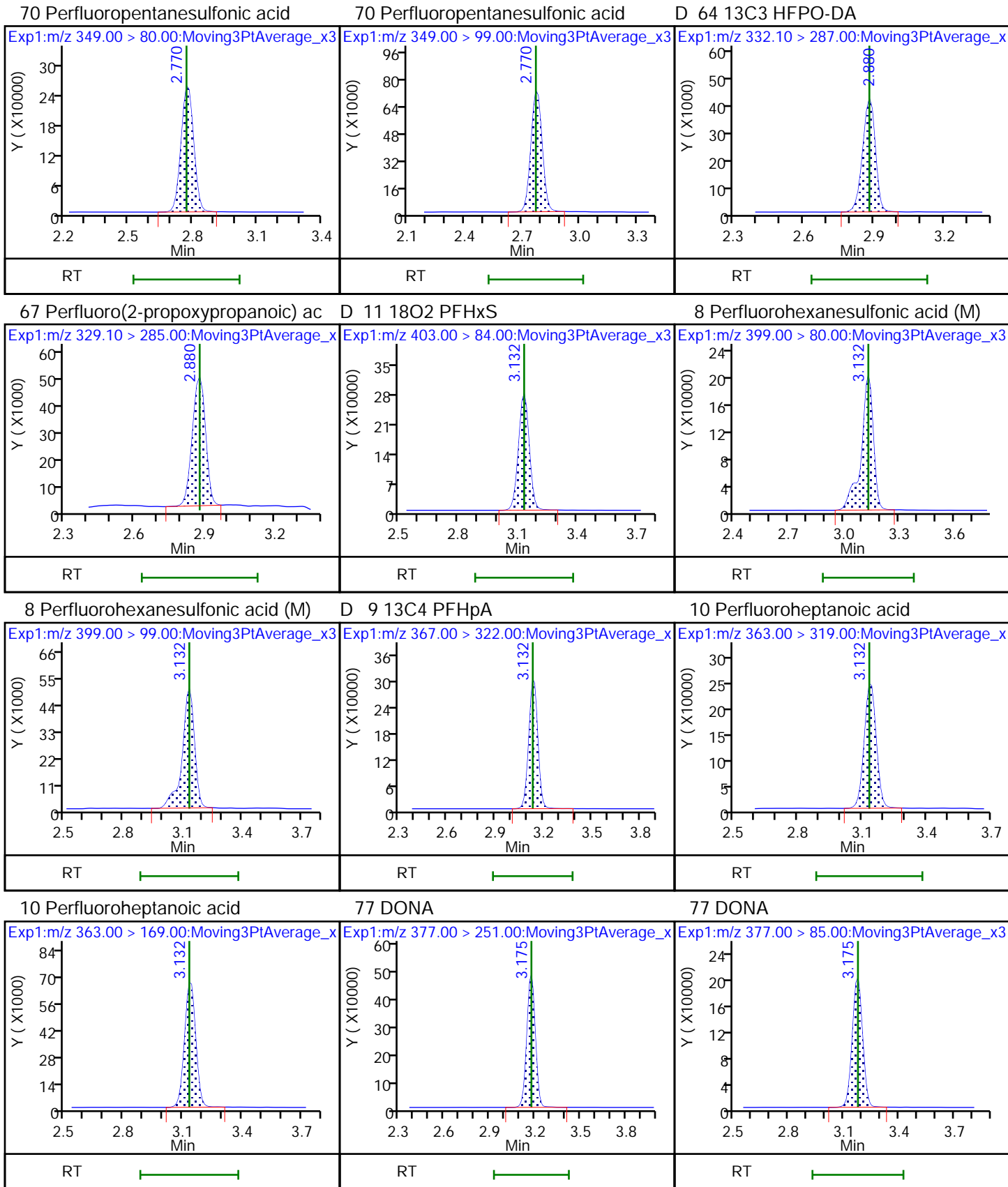


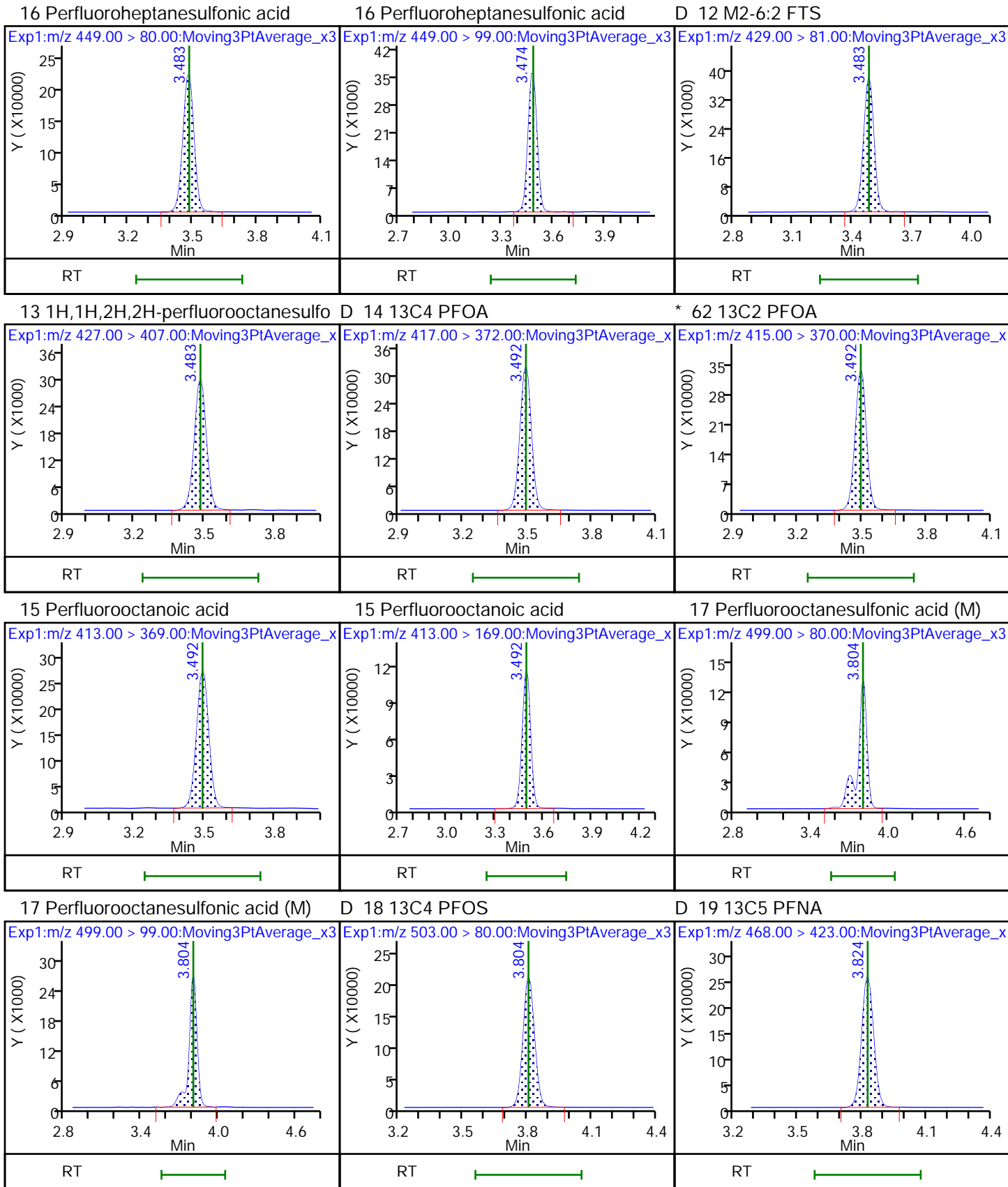
D 7 13C2 PFHxA

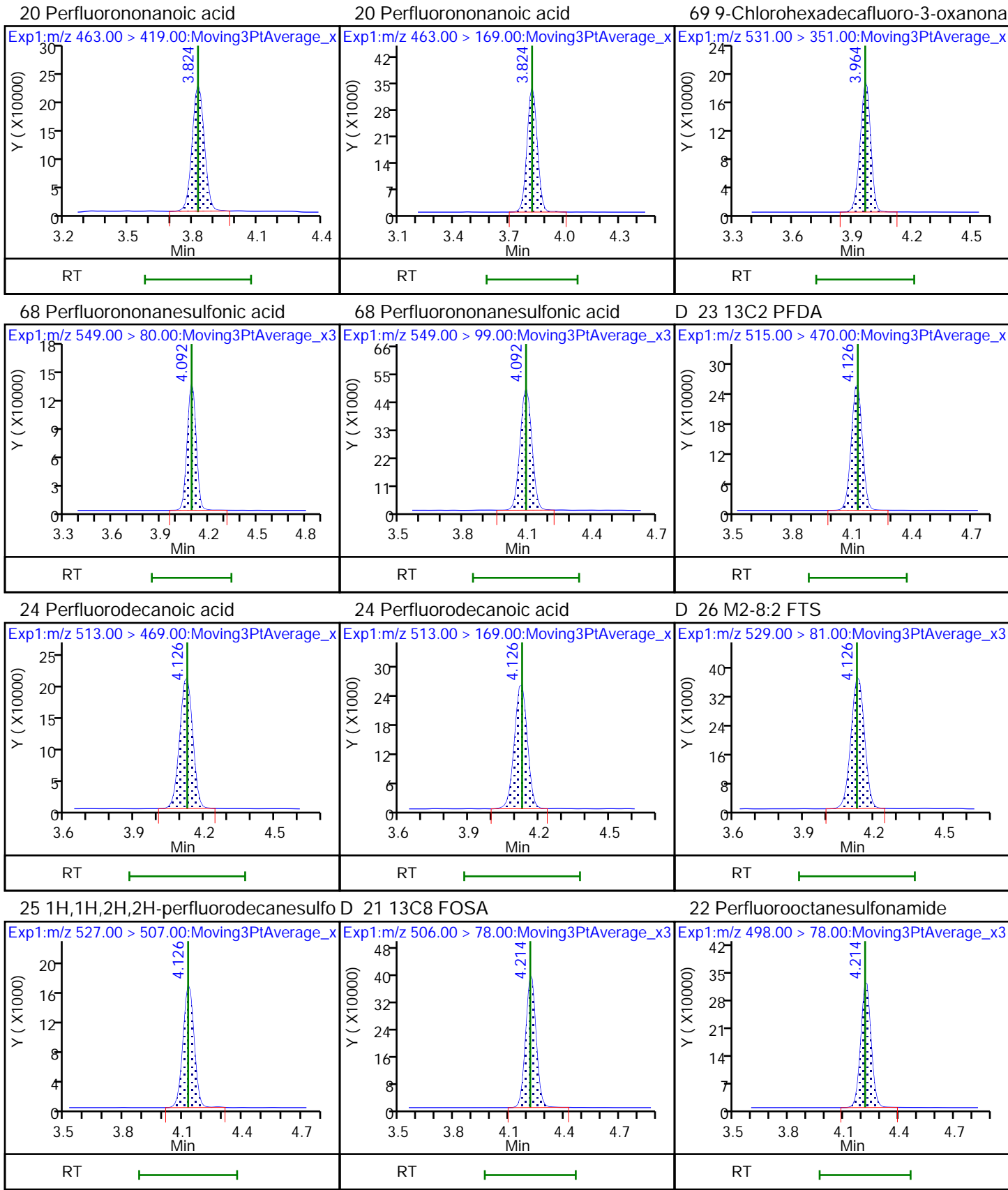
6 Perfluorohexanoic acid

6 Perfluorohexanoic acid





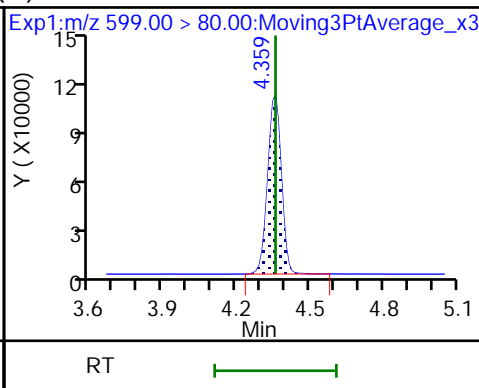
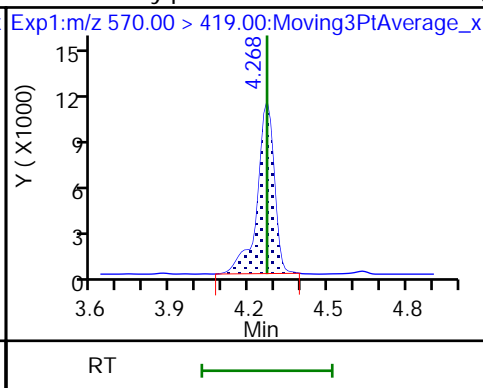
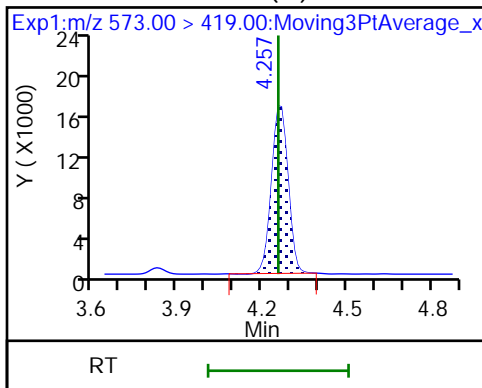




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

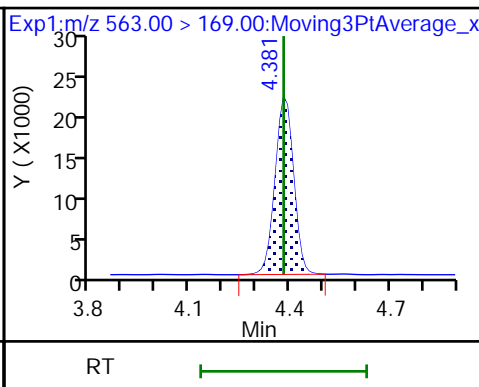
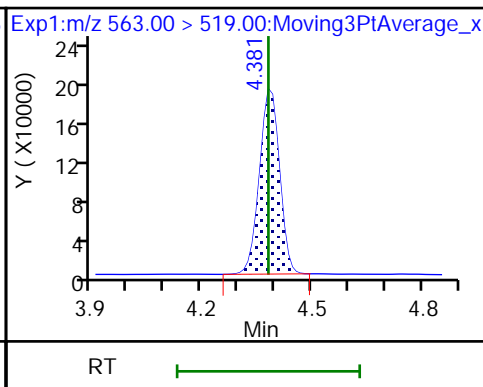
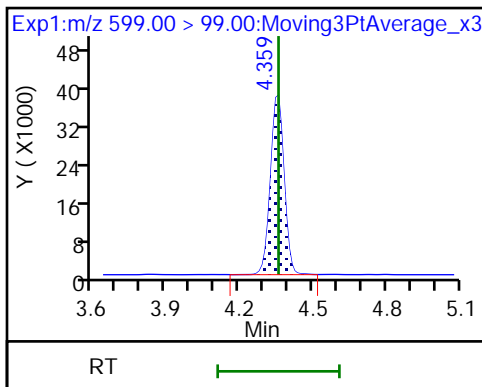
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

31 Perfluoroundecanoic acid

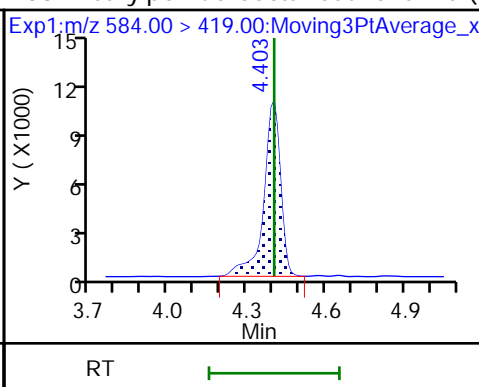
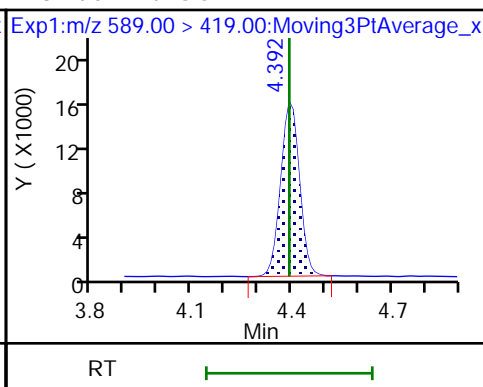
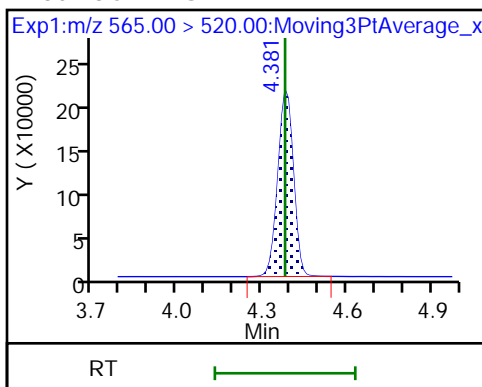
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

D 32 d5-NEtFOSAA

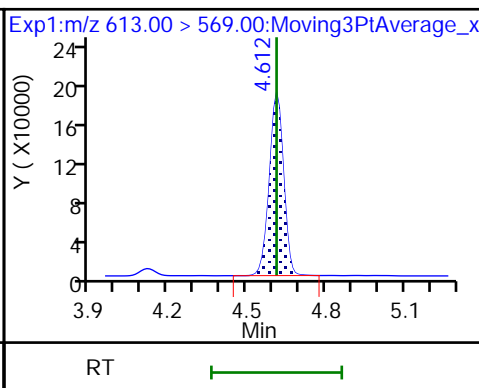
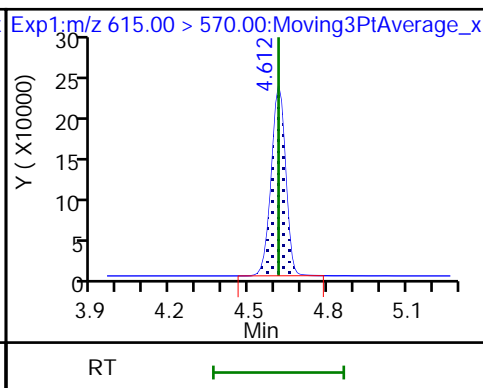
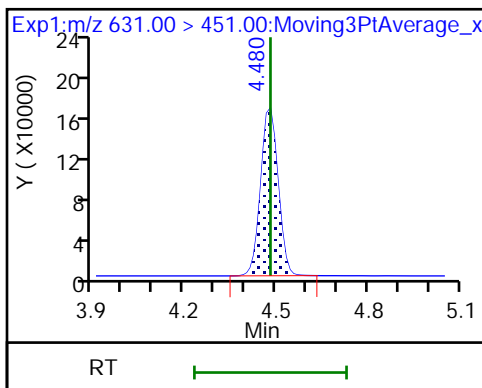
33 N-ethylperfluorooctanesulfonamid (M)

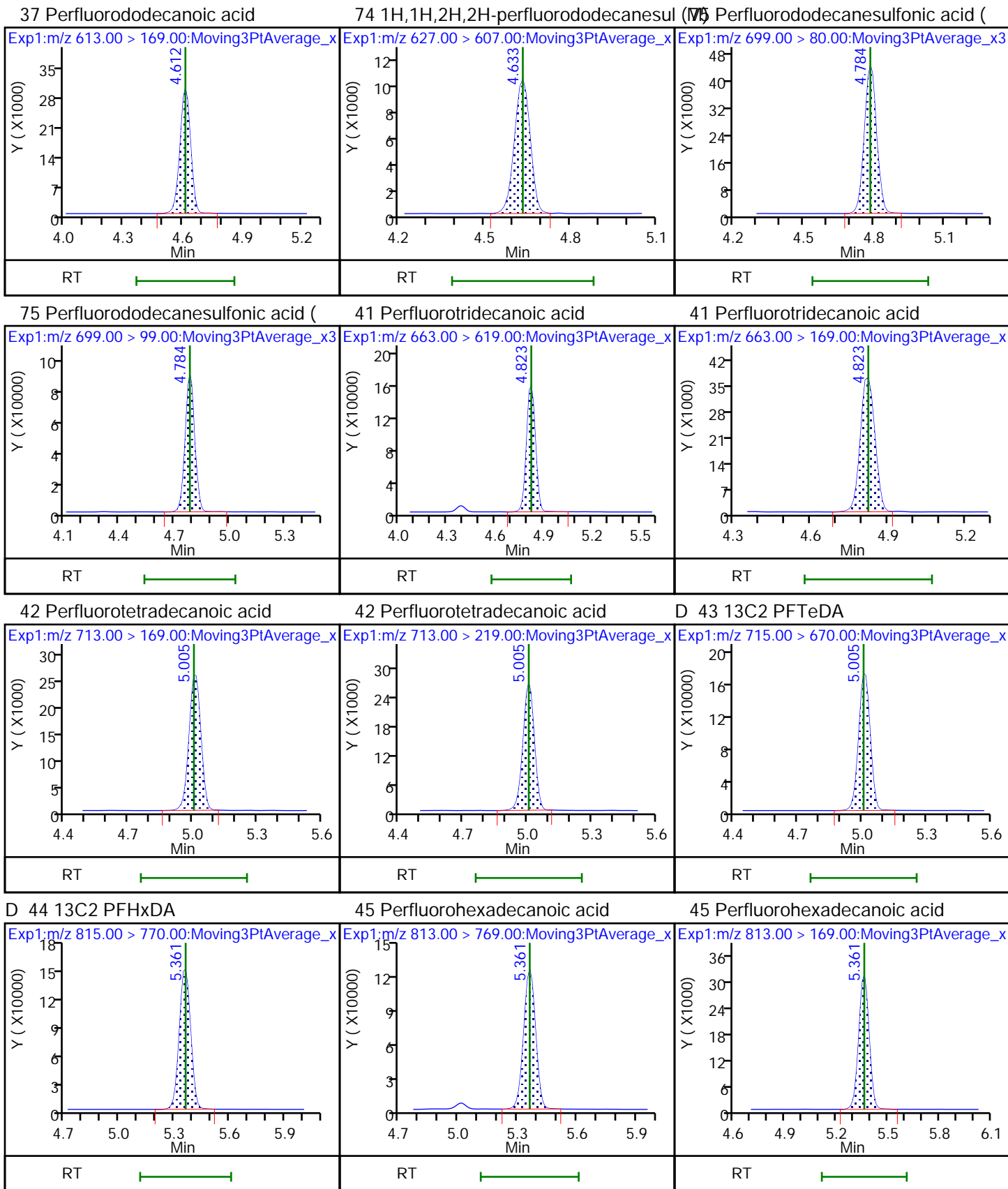


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDoA

37 Perfluorododecanoic acid

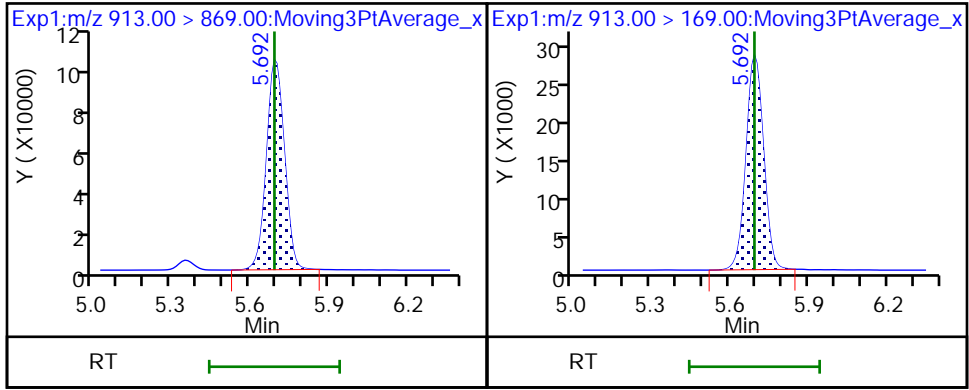






46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

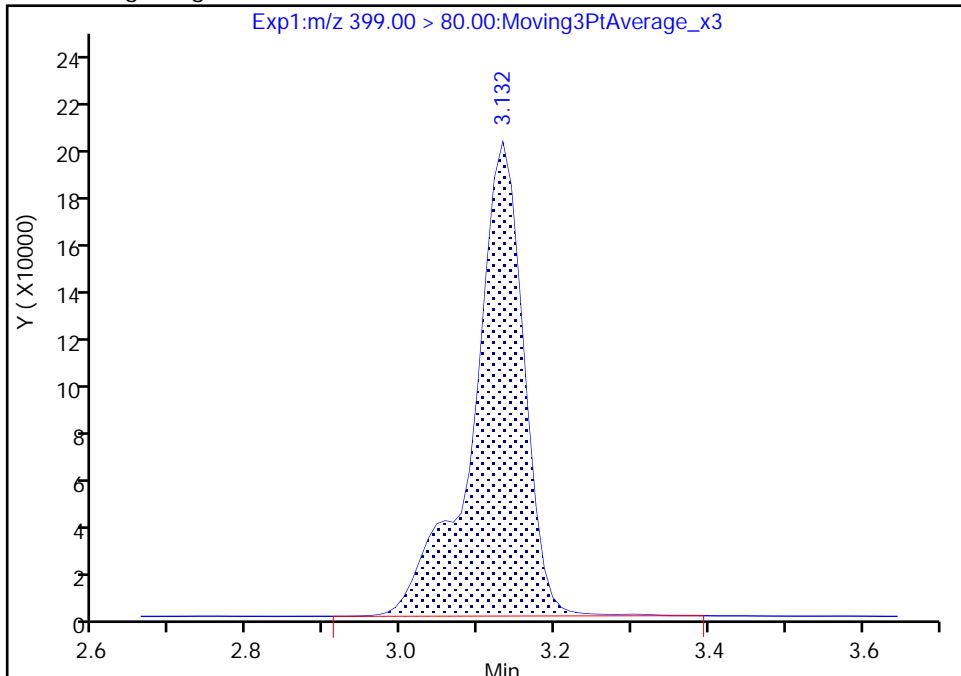
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Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

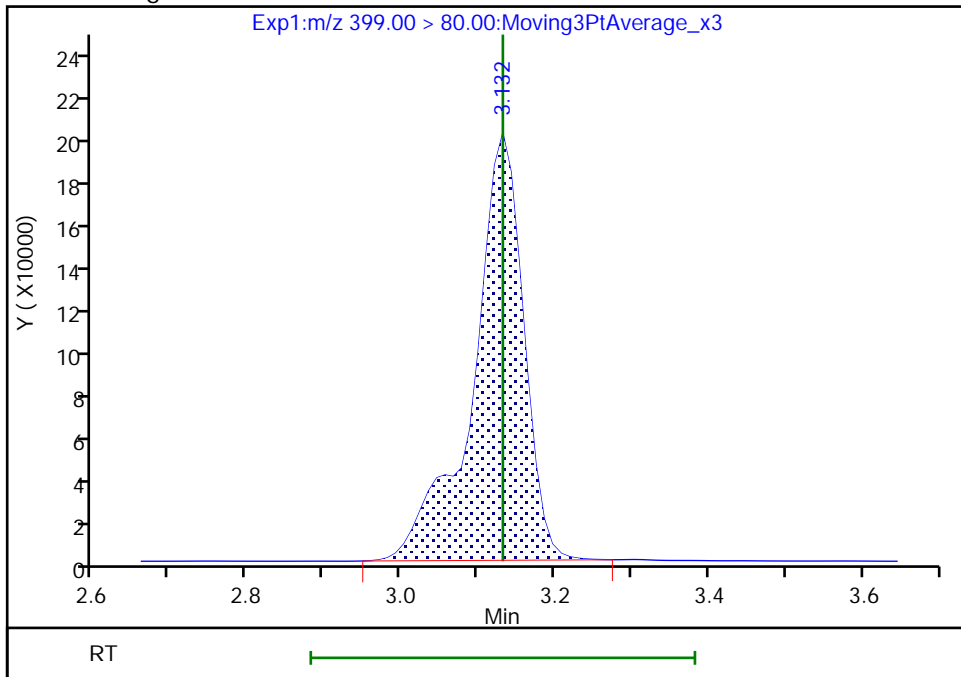
RT: 3.13  
Area: 923351  
Amount: 0.885131  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 915806  
Amount: 0.877899  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:17:43  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

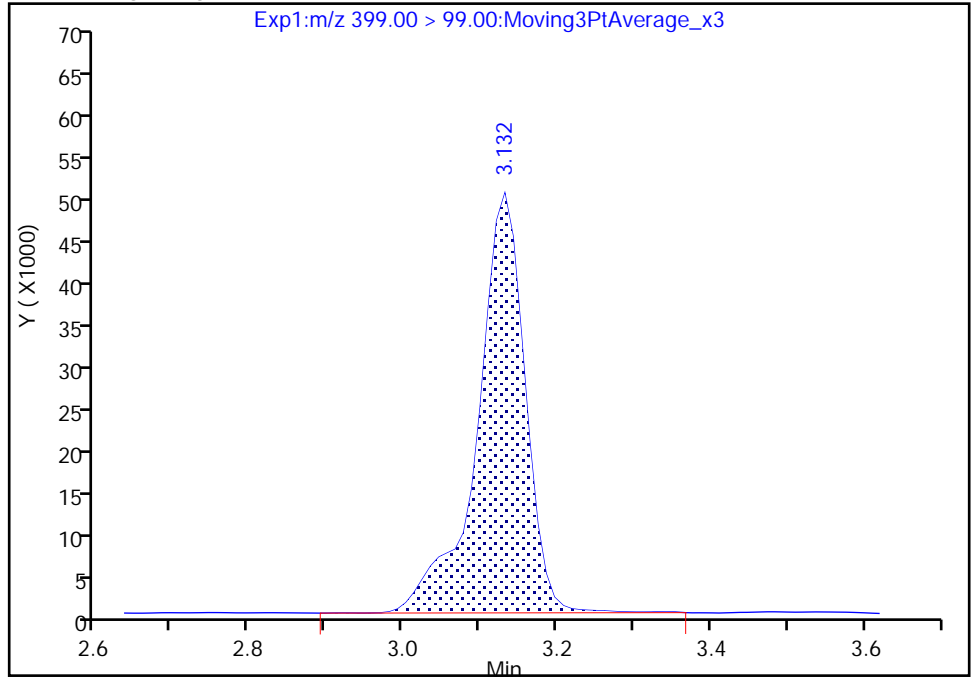
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

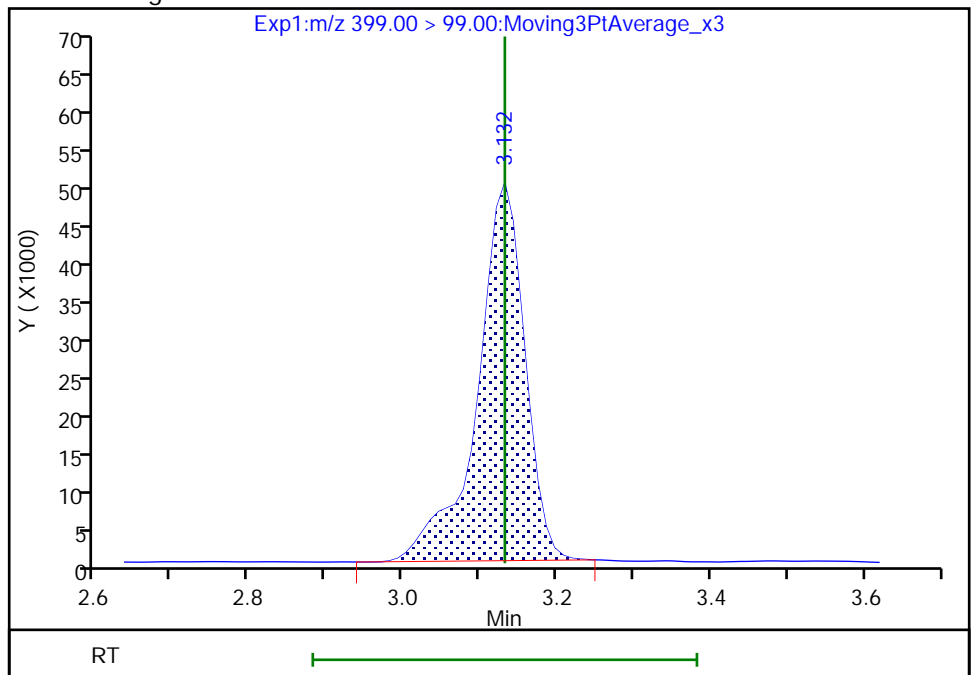
RT: 3.13  
Area: 217213  
Amount: 0.885131  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 213924  
Amount: 0.877899  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:17:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

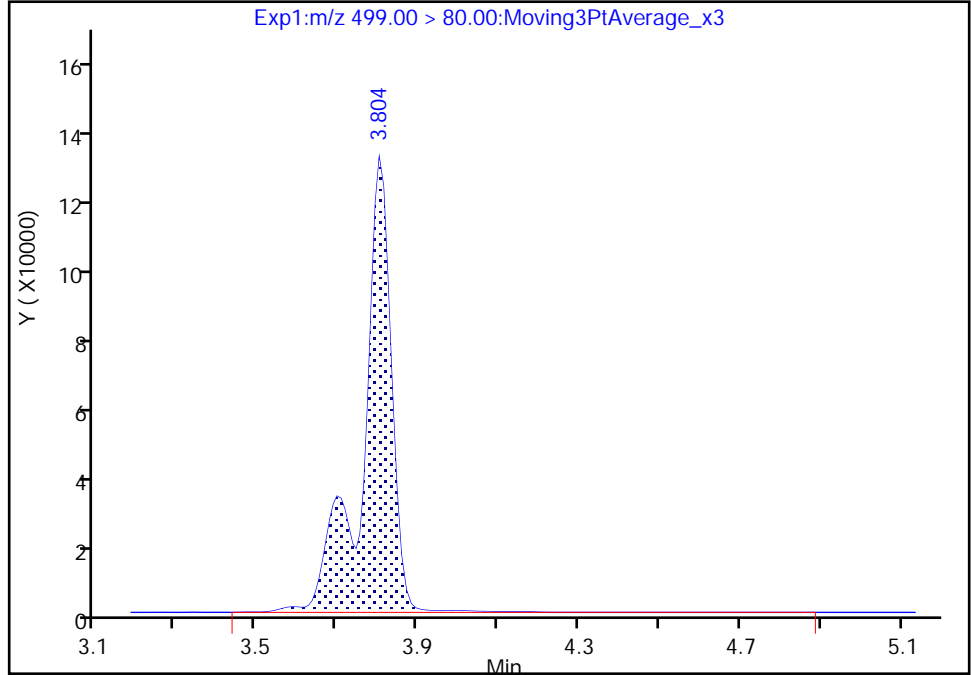
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

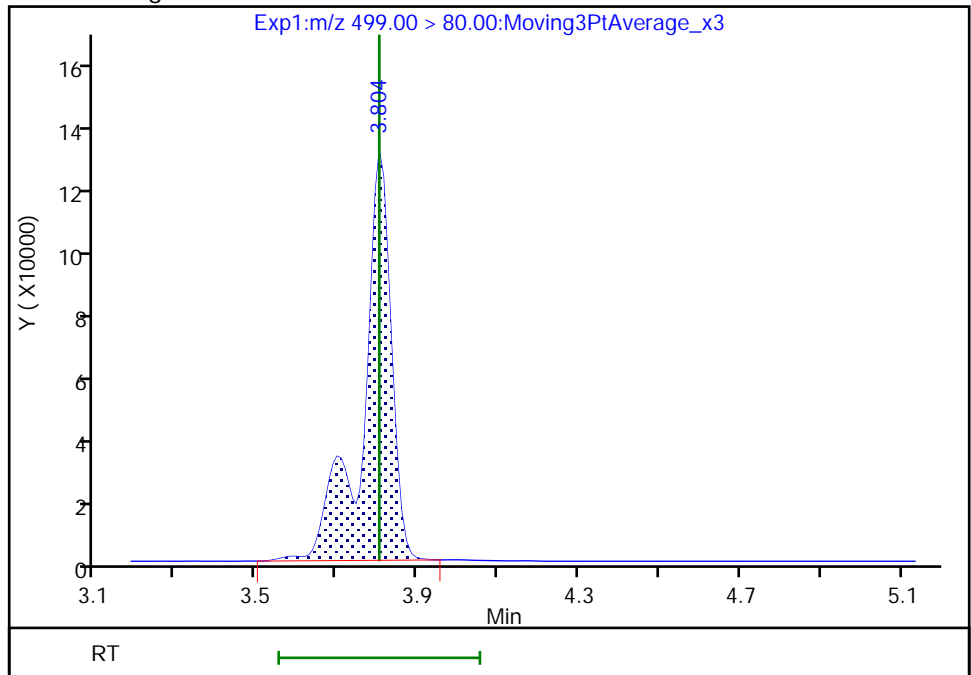
RT: 3.80  
Area: 660857  
Amount: 0.892838  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 650421  
Amount: 0.878739  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:18:04  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

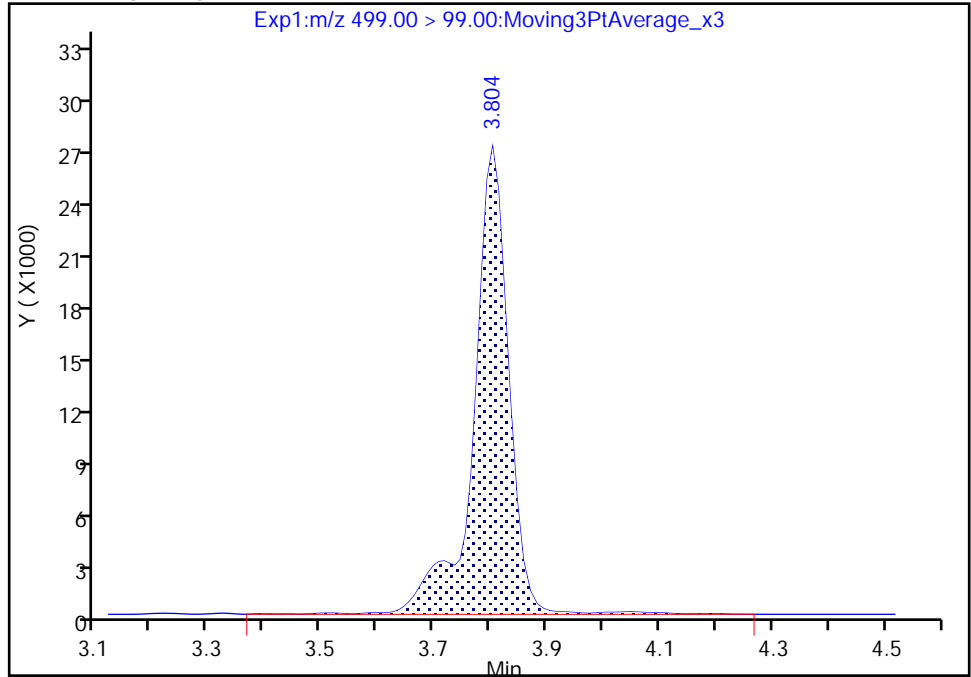
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

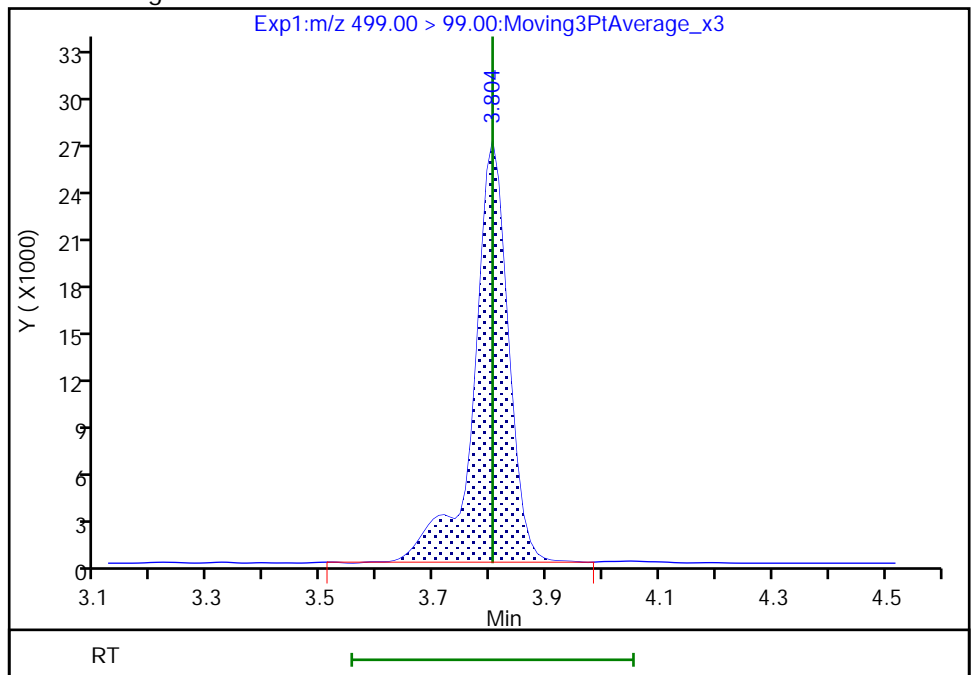
RT: 3.80  
Area: 115457  
Amount: 0.892838  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 112450  
Amount: 0.878739  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:18:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

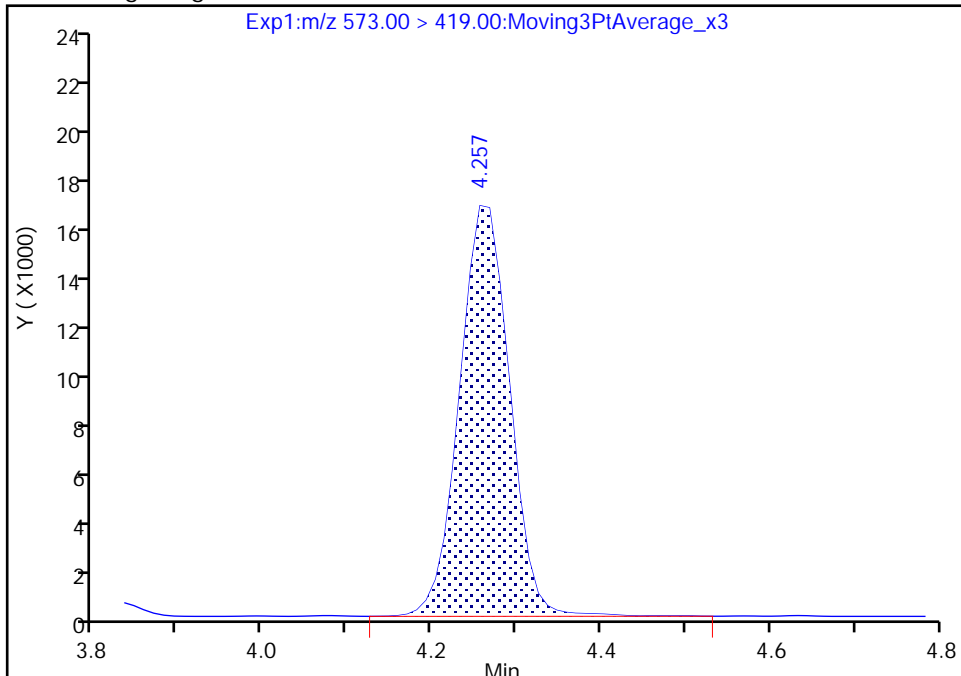
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

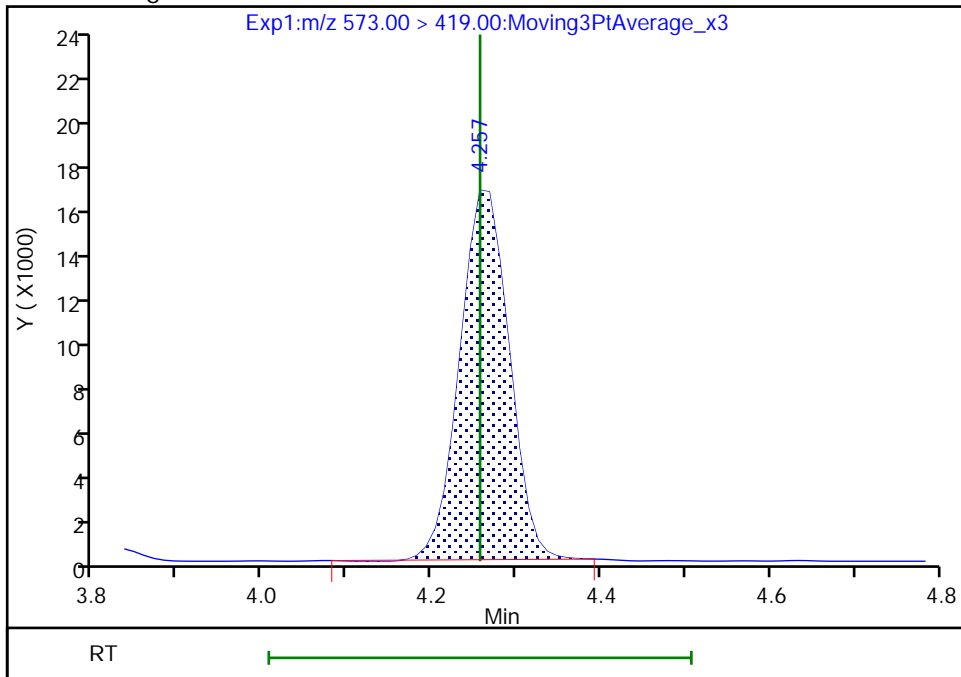
RT: 4.26  
Area: 67103  
Amount: 1.154244  
Amount Units: ng/ml

Processing Integration Results



RT: 4.26  
Area: 65740  
Amount: 1.130799  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:18:33  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

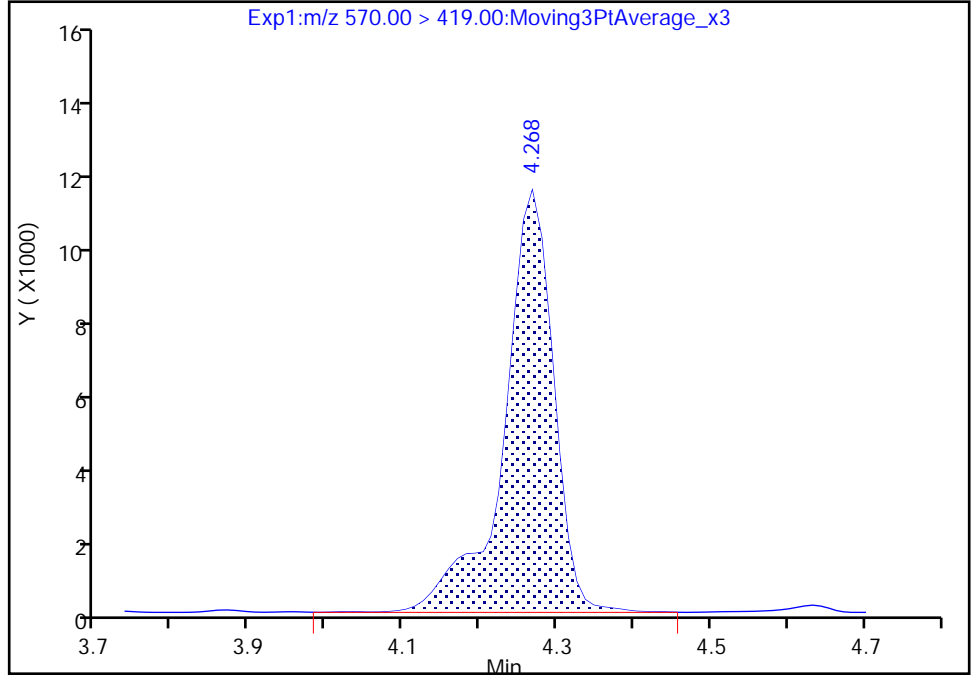
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

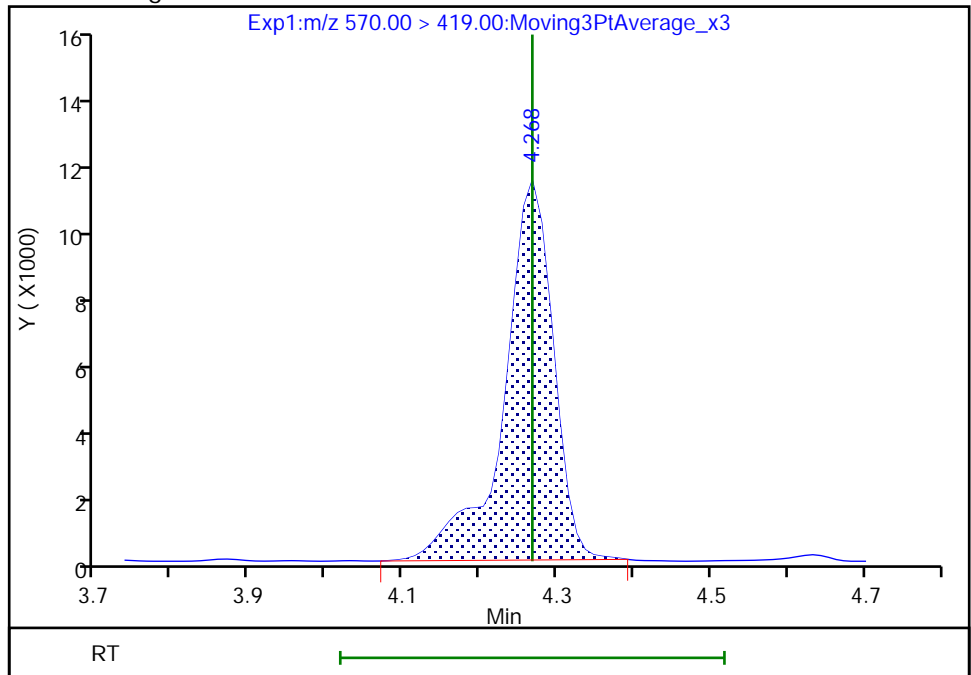
RT: 4.27  
Area: 49640  
Amount: 1.064875  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 48936  
Amount: 1.049772  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:18:37  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

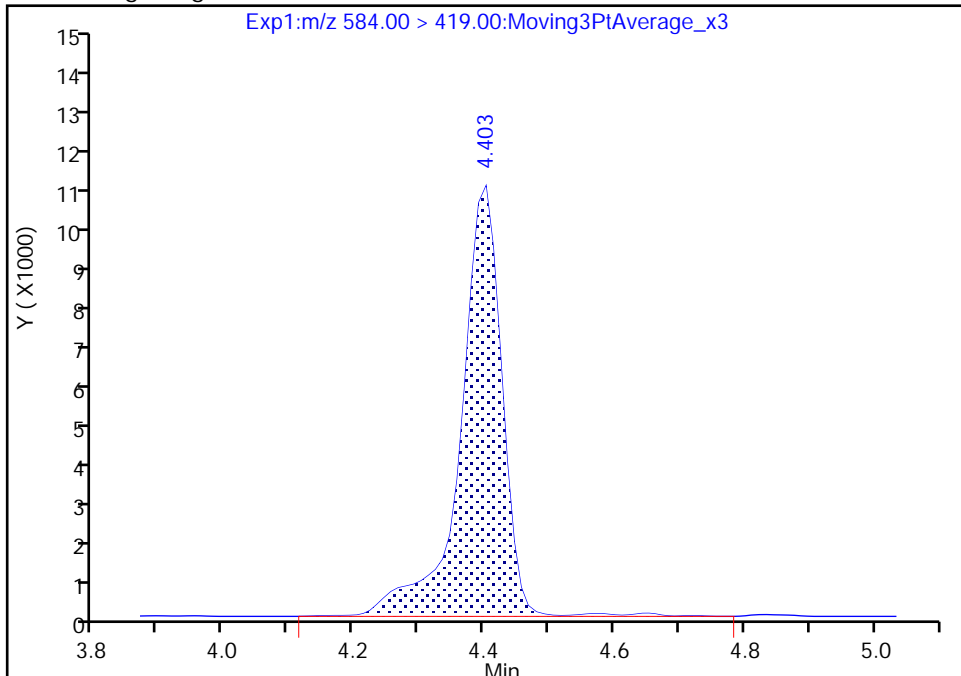
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

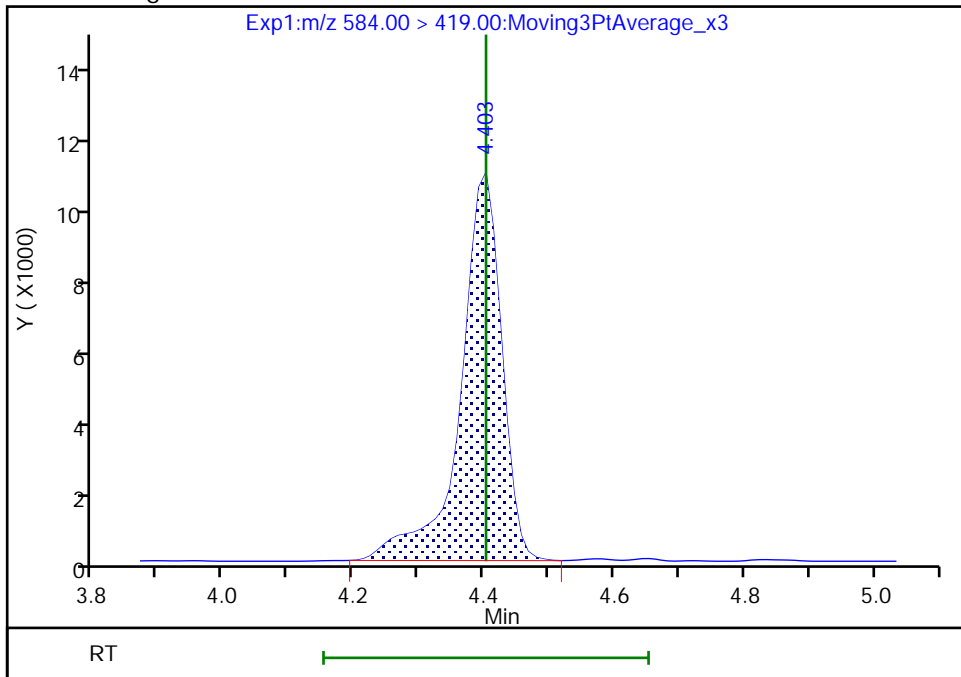
RT: 4.40  
Area: 47604  
Amount: 1.040670  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 46688  
Amount: 1.020645  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:18:48  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

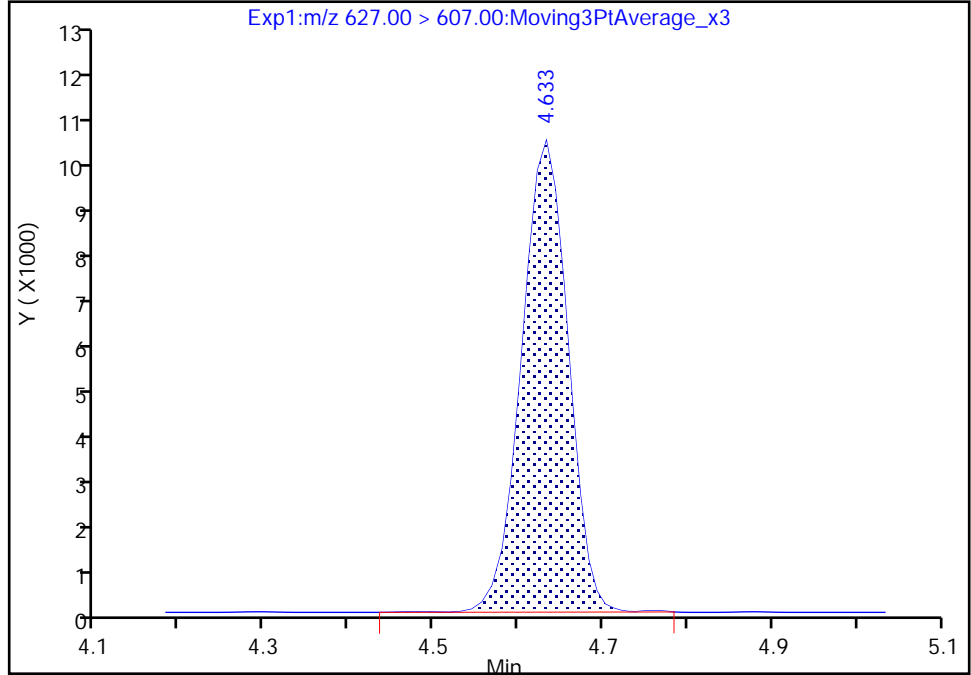
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44530.b\PA210121A06.d  
Injection Date: 21-Jan-2021 12:58:41 Instrument ID: LC812  
Lims ID: CCVIS  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

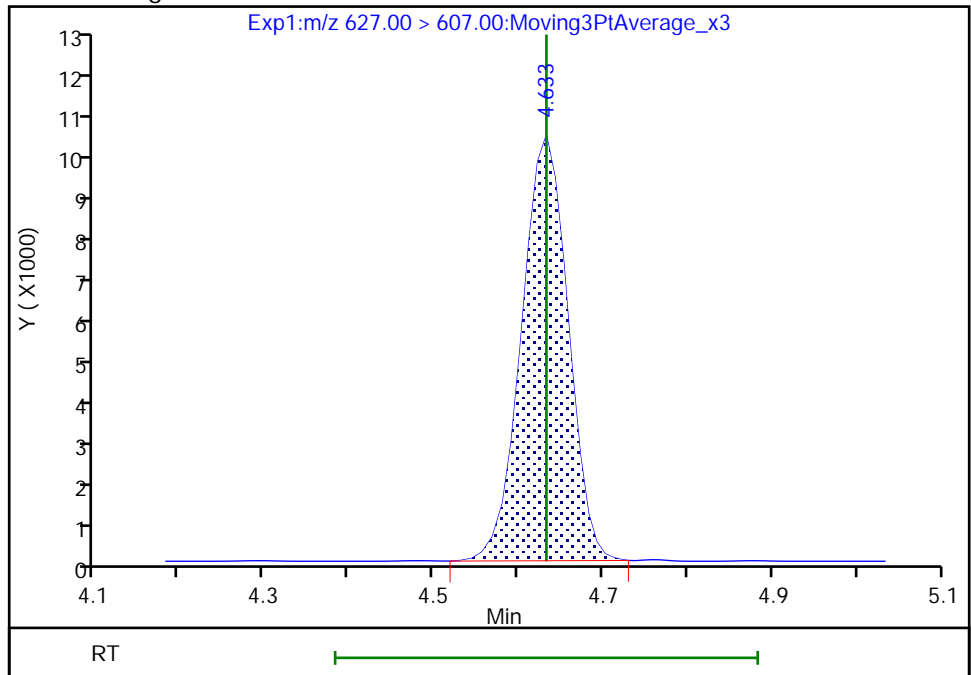
RT: 4.63  
Area: 37383  
Amount: 0.883293  
Amount Units: ng/ml

Processing Integration Results



RT: 4.63  
Area: 37221  
Amount: 0.879465  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:18:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 200-163183/1 Calibration Date: 01/21/2021 21:04  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121C01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9675		0.966	1.00	-3.4	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.058		0.955	1.00	-4.5	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.094		0.855	0.884	-3.3	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.783		0.908	0.934	-2.8	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.070		0.979	1.00	-2.1	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.314		0.939	0.938	0.1	50.0
HFPO-DA	AveID	1.385	1.514		1.09	1.00	9.3	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.072		0.981	1.00	-1.9	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.114		0.860	0.910	-5.4	40.0
DONA	AveID	3.349	3.128		0.880	0.942	-6.6	50.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.349		0.951	0.952	-0.0	50.0
6:2 FTS	AveID	1.112	0.9534		0.813	0.948	-14.3	40.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.029		0.949	1.00	-5.1	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.118		0.902	0.928	-2.8	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.101		0.995	1.00	-0.5	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.192		0.866	0.932	-7.1	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8361		0.935	0.960	-2.6	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.022		0.992	1.00	-0.8	40.0
8:2 FTS	AveID	0.6801	0.5914		0.833	0.958	-13.0	40.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.002	1.015		1.01	1.00	1.3	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9920		1.12	1.00	11.9	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6704		0.945	0.964	-2.0	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.033		1.01	1.00	1.3	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.8340		0.901	1.00	-9.9	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.138		0.805	0.942	-14.5	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	0.9771		0.888	1.00	-11.2	40.0
10:2 FTS	AveID	0.3501	0.3264		0.899	0.964	-6.8	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2457		0.945	0.968	-2.4	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.8204		0.919	1.00	-8.1	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.1993		1.08	1.00	7.5	40.0

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 200-163183/1 Calibration Date: 01/21/2021 21:04  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121C01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9513		1.01	1.00	0.6	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8898		0.989	1.00	-1.1	50.0
13C4 PFBA	Ave	1.343	1.281		1.19	1.25	-4.6	50.0
13C5 PFPeA	Ave	0.9710	0.9484		1.22	1.25	-2.3	50.0
13C3 PFBS	Ave	1.278	1.196		1.09	1.16	-6.4	50.0
M2-4:2 FTS	Ave	0.1066	0.1012		1.11	1.17	-5.0	50.0
13C2 PFHxA	Ave	1.018	1.022		1.26	1.25	0.5	50.0
13C3 HFPO-DA	Ave	0.1792	0.1313		0.916	1.25	-26.7	50.0
1802 PFHxS	Ave	0.9511	0.9258		1.15	1.18	-2.7	50.0
13C4 PFHpA	Ave	0.9742	0.9809		1.26	1.25	0.7	50.0
13C4 PFOA	Ave	0.9896	0.9938		1.26	1.25	0.4	50.0
M2-6:2 FTS	Ave	0.1187	0.1255		1.26	1.19	5.8	50.0
13C4 PFOS	Ave	0.6528	0.6503		1.19	1.20	-0.4	50.0
13C5 PFNA	Ave	0.8730	0.8655		1.24	1.25	-0.9	50.0
13C2 PFDA	Ave	0.8346	0.8205		1.23	1.25	-1.7	50.0
M2-8:2 FTS	Ave	0.1225	0.1220		1.19	1.20	-0.4	50.0
13C8 FOSA	Ave	1.227	1.240		1.26	1.25	1.1	50.0
d3-NMeFOSAA	Ave	0.0605	0.0483		0.997	1.25	-20.3	50.0
13C2 PFUnA	Ave	0.6856	0.6703		1.22	1.25	-2.2	50.0
d5-NEtFOSAA	Ave	0.0585	0.0518		1.11	1.25	-11.4	50.0
13C2 PFDoA	Ave	0.7238	0.7767		1.34	1.25	7.3	50.0
13C2 PFTeDA	Ave	0.5353	0.5132		1.20	1.25	-4.1	50.0
13C2 PFHxDA	Ave	0.5718	0.5196		1.14	1.25	-9.1	50.0

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d  
 Lims ID: CCV L4  
 Client ID:  
 Sample Type: CCV  
 Inject. Date: 21-Jan-2021 21:04:51 ALS Bottle#: 1 Worklist Smp#: 1  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: CCV L4  
 Misc. Info.: 200-0044534-001 Plate: 1 Rack: 3  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 10:38:37 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614

First Level Reviewer: khanphomeea Date: 22-Jan-2021 11:17:09

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.596	1254997	1.19	95.4	8201	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	971398	0.9656		96.6	201	M
D 3 13C5 PFPeA	267.90 > 223.00	2.413	2.413	0.0	0.691	929025	1.22	97.7	2885	
4 Perfluoropentanoic acid	262.90 > 219.00	2.413	2.413	0.0	1.000	786044	0.9551	95.5	45.3	
D 47 13C3 PFBS	301.90 > 80.00	2.426	2.426	0.0	0.695	1089980	1.09	93.6	188769	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.426	2.439	-0.013	1.000	906515	0.8546	Target=2.21	96.7	1426
298.90 > 99.00	2.426	2.439	-0.013	1.000	410883		2.21(1.11-3.32)		361	
D 60 M2-4:2 FTS	329.00 > 81.00	2.734	2.734	0.0	0.783	92618	1.11	95.0	106	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.734	2.734	0.0	1.000	132125	0.9083	97.2	885	
D 7 13C2 PFHxA	315.00 > 270.00	2.770	2.770	0.0	0.793	1001518	1.26	100	2120	
6 Perfluorohexanoic acid	313.00 > 269.00	2.770	2.770	0.0	1.000	857289	0.9794	Target=12.83	97.9	172
313.00 > 119.00	2.770	2.770	0.0	1.000	69261		12.38(6.42-19.25)		106	M
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.770	2.770	0.0	0.887	893956	0.9389	Target=3.35	100	1516
349.00 > 99.00	2.770	2.770	0.0	0.887	247009		3.62(1.67-5.02)		499	
D 64 13C3 HFPO-DA	332.10 > 287.00	2.867	2.880	-0.013	0.821	128610	0.9159	73.3	878	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.867	2.880	-0.013	1.000	155812	1.09		109	24.1	
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.132	-0.011	0.894	857933	1.15		97.3	1680	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.003	735685	0.8604	Target=4.15	94.6	1231	
399.00 > 99.00	3.121	3.132	-0.011	1.000	173018		4.25(2.08-6.23)		220	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.132	0.0	0.897	960851	1.26		101	1793	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.132	0.0	1.000	823775	0.9812	Target=3.66	98.1	223	
363.00 > 169.00	3.132	3.132	0.0	1.000	223858		3.68(1.83-5.49)		936	
77 DONA										
377.00 > 251.00	3.164	3.175	-0.011	0.834	1501821	0.8801	Target=2.43	93.4	1761	
377.00 > 85.00	3.164	3.175	-0.011	0.834	641752		2.34(1.22-3.65)		841	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.483	-0.009	0.916	654686	0.9515	Target=5.95	99.9	2805	M
449.00 > 99.00	3.474	3.483	-0.009	0.916	105717		6.19(2.98-8.93)		452	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	116836	1.26		106	505	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	88930	0.8126		85.7	928	
D 14 13C4 PFOA										
417.00 > 372.00	3.483	3.492	-0.009	0.997	973510	1.26		100	1469	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		979601	1.25			1685	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.492	3.492	0.0	1.003	801110	0.9490	Target=2.58	94.9	220	
413.00 > 169.00	3.492	3.492	0.0	1.003	316426		2.53(1.29-3.87)		1368	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.794	3.804	-0.010	1.000	528824	0.9023	Target=5.65	97.2	691	M
499.00 > 99.00	3.794	3.804	-0.010	1.000	91711		5.77(2.82-8.47)		211	M
D 18 13C4 PFOS										
503.00 > 80.00	3.794	3.804	-0.010	1.087	608999	1.19		99.6	2002	
D 19 13C5 PFNA										
468.00 > 423.00	3.814	3.824	-0.010	1.092	847845	1.24		99.1	2564	
20 Perfluorononanoic acid										
463.00 > 419.00	3.814	3.824	-0.010	1.000	746677	0.99	Target=7.44	99.5	119	
463.00 > 169.00	3.814	3.824	-0.010	1.000	106941		6.98(3.72-11.16)		958	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.955	3.964	-0.009	1.042	566331	0.8660		92.9	2861	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.081	4.092	-0.011	1.076	409042	0.9354	Target=2.54	97.4	1653	
549.00 > 99.00	4.081	4.092	-0.011	1.076	141186		2.90(1.27-3.81)		580	
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.126	-0.011	1.178	803808	1.23		98.3	3228	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.115	4.126	-0.011	1.000	657108	0.99	Target=9.29	99.2	457	
513.00 > 169.00	4.115	4.126	-0.011	1.000	77927		8.43(4.64-13.93)		805	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.126	0.0	1.182	114509	1.19		99.6	355	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.126	0.0	1.000	54178	0.8331		87.0	1409	
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.214	0.0	1.207	1214958	1.26		101	4325	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.214	4.214	0.0	1.000	986581	1.01		101	1849	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.257	0.0	1.219	47280	1.00		79.7	169	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.257	4.268	-0.011	1.000	37521	1.12		112	359	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.347	4.359	-0.012	1.146	329329	0.9447	Target=2.80	98.0	1689	
599.00 > 99.00	4.347	4.359	-0.012	1.146	122938		2.68(1.40-4.19)		687	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.380	4.381	-0.001	1.003	542717	1.01	Target=8.12	101	325	
563.00 > 169.00	4.369	4.381	-0.012	1.000	69070		7.86(4.06-12.18)		875	
D 30 13C2 PFUnA										
565.00 > 520.00	4.369	4.381	-0.012	1.251	656649	1.22		97.8	3497	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.380	4.392	-0.012	1.254	50771	1.11		88.6	500	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.391	4.403	-0.012	1.003	33873	0.9009		90.1	311	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.467	4.480	-0.013	1.177	546339	0.8052		85.5	2087	
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.612	-0.011	1.318	760814	1.34		107	4093	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.601	4.612	-0.011	1.000	594692	0.8884	Target=6.91	88.8	198	
613.00 > 169.00	4.601	4.612	-0.011	1.000	99126		6.00(3.45-10.36)		932	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.633	-0.011	1.120	30084	0.8985		93.2	735	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.765	4.784	-0.019	1.256	121209	0.9450	Target=0.51	97.6	994	
699.00 > 99.00	4.765	4.784	-0.019	1.256	247715		0.49(0.26-0.77)		1287	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.801	4.823	-0.022	1.043	499349	0.9191	Target=4.39	91.9	221	
663.00 > 169.00	4.801	4.823	-0.022	1.043	116494		4.29(2.20-6.59)		1571	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.995	5.005	-0.010	1.000	80177	1.07	Target=1.06	107	1371	
713.00 > 219.00	4.985	5.005	-0.020	0.998	78316		1.02(0.53-1.59)		1595	
D 43 13C2 PFTeDA										
715.00 > 670.00	4.995	5.005	-0.010	1.430	502753	1.20		95.9	2076	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.338	5.361	-0.023	1.529	509007	1.14		90.9	2267	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.338	5.361	-0.023	1.000	387367	1.01	Target=3.84	101	177	
813.00 > 169.00	5.338	5.361	-0.023	1.000	103630		3.74(1.92-5.76)		1508	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.674	5.692	-0.018	1.063	362332	0.9889	Target=3.92	98.9	246	
913.00 > 169.00	5.665	5.692	-0.027	1.061	100785		3.60(1.96-5.88)		886	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC4\_00015

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d

Injection Date: 21-Jan-2021 21:04:51

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

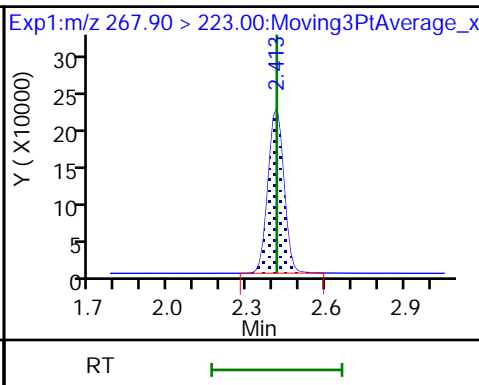
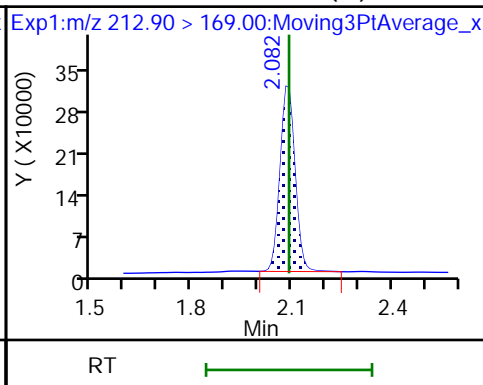
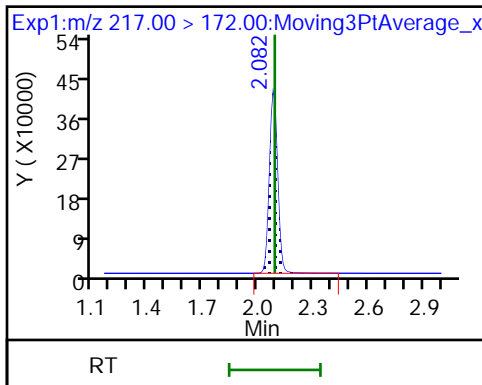
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

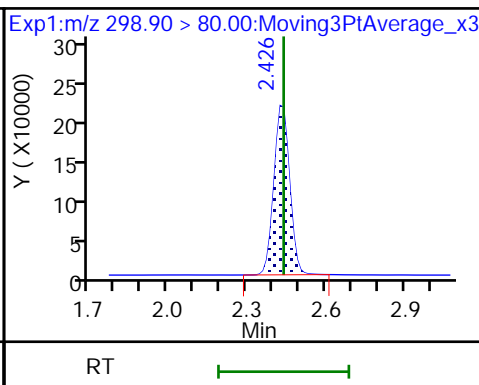
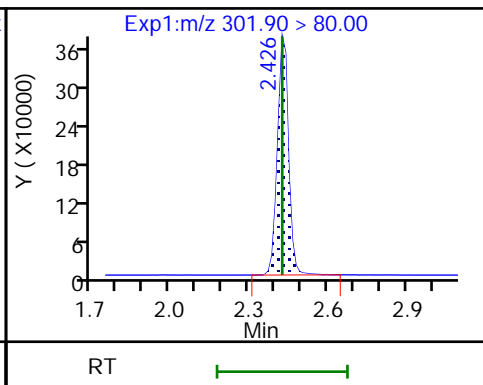
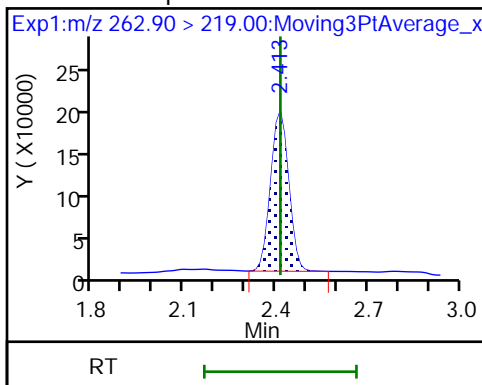
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

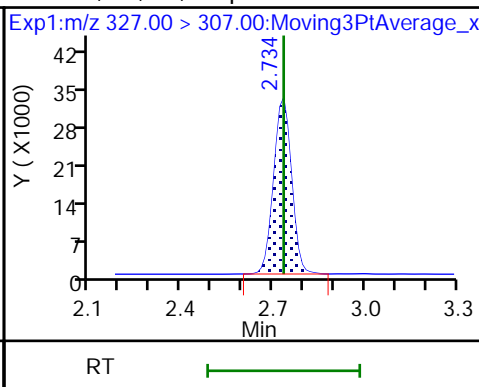
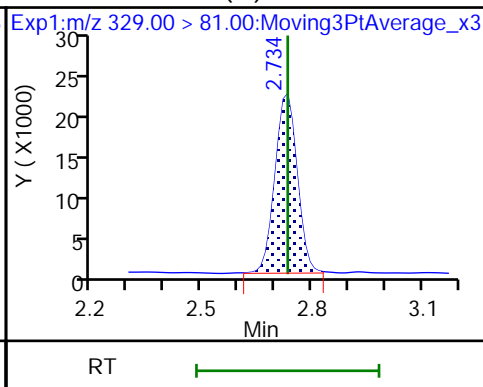
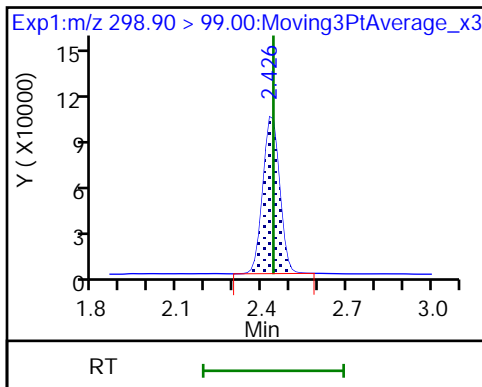
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

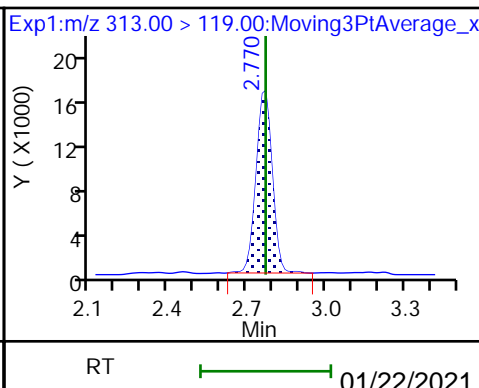
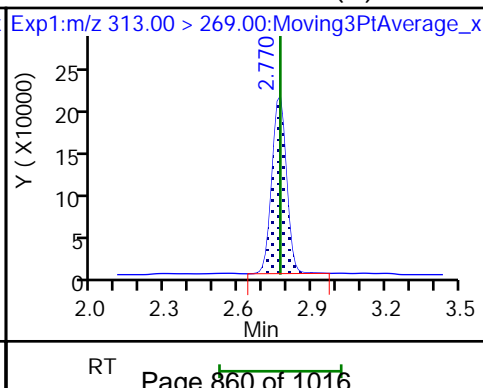
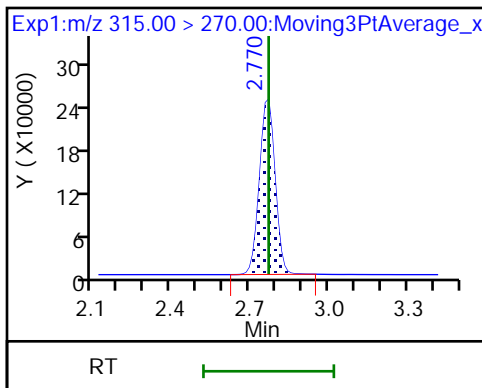
61 1H,1H,2H,2H-perfluorohexanesulfo



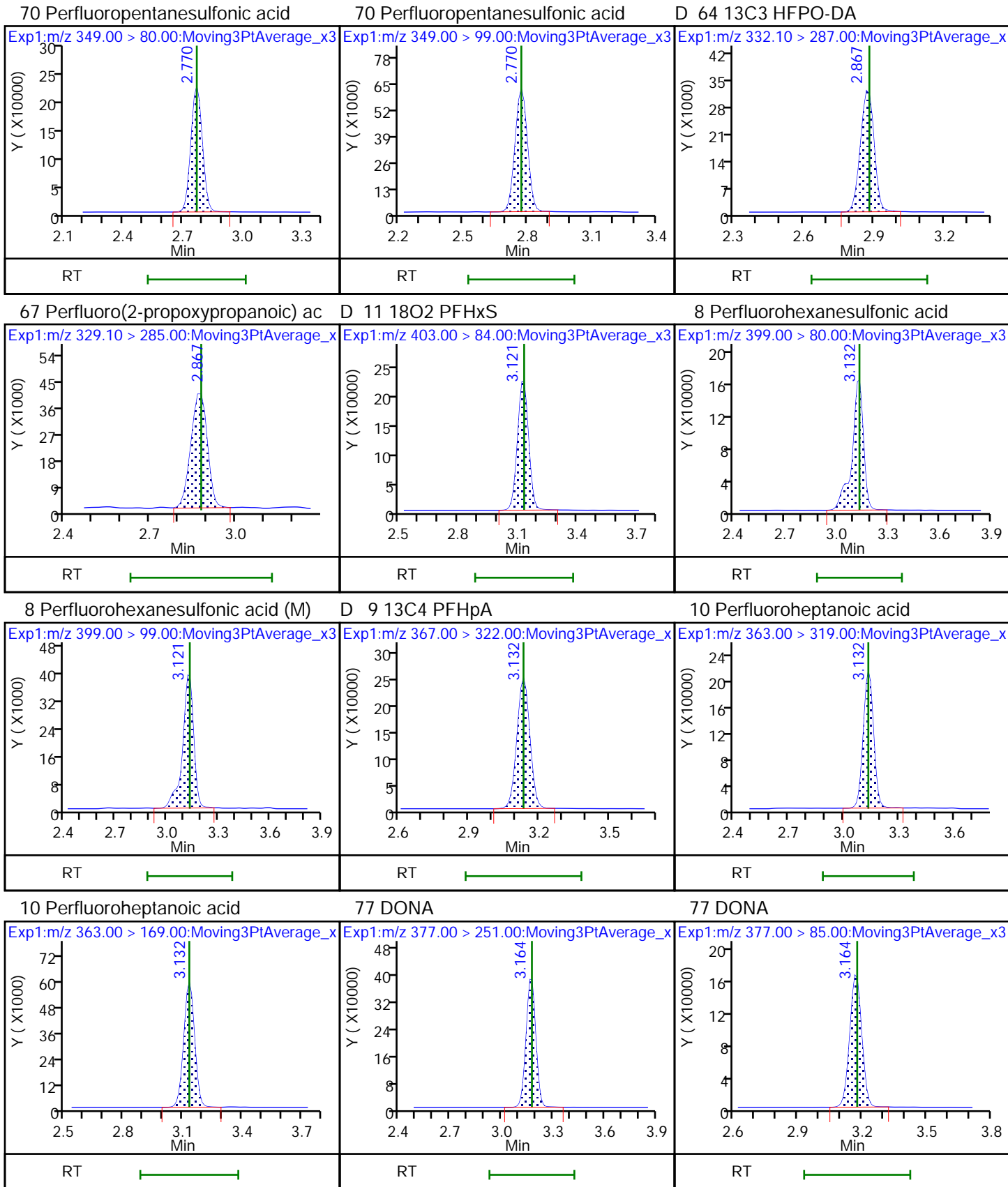
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid



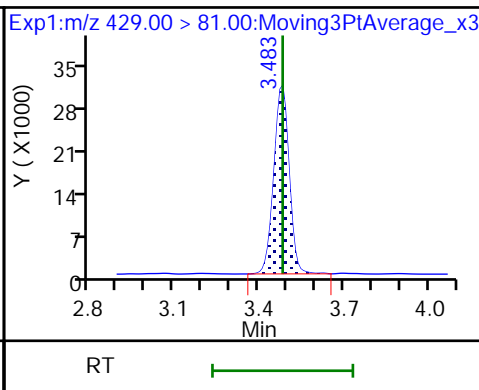
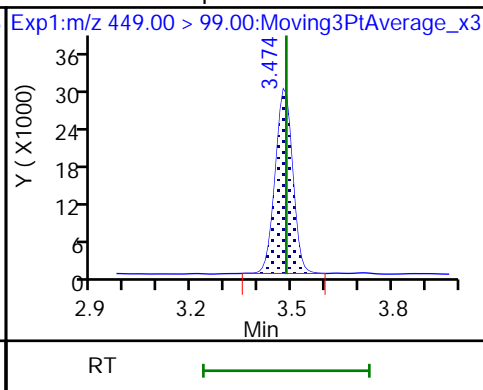
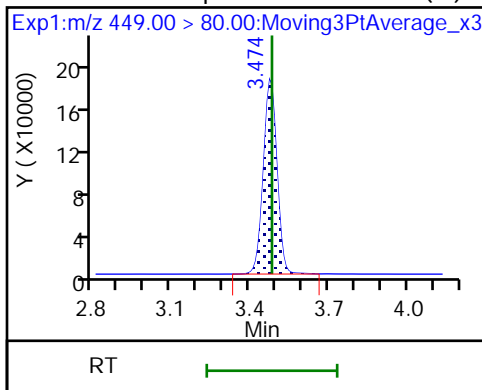




16 Perfluoroheptanesulfonic acid (M)

16 Perfluoroheptanesulfonic acid

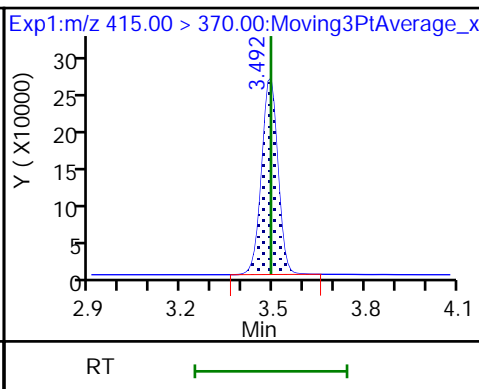
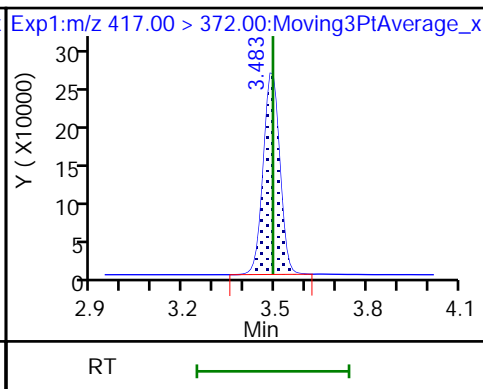
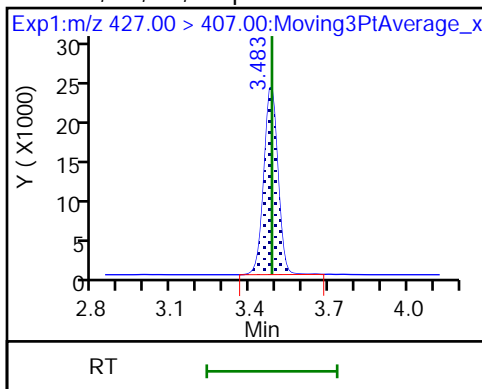
D 12 M2-6:2 FTS



13 1H,1H,2H,2H-perfluorooctanesulfo

D 14 13C4 PFOA

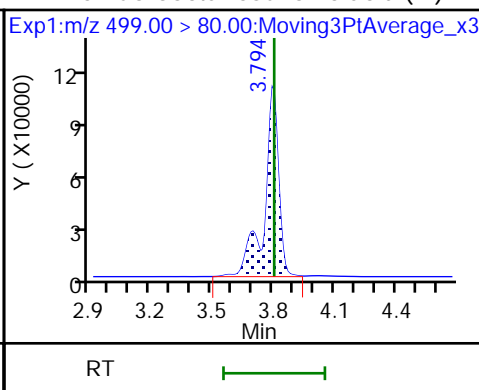
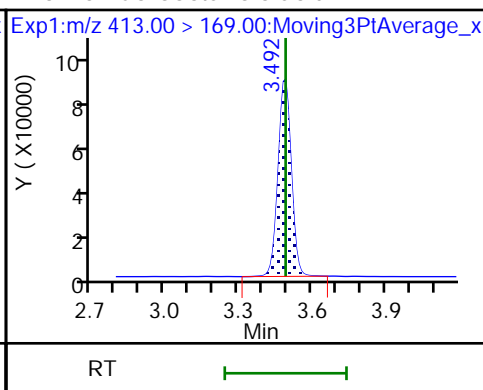
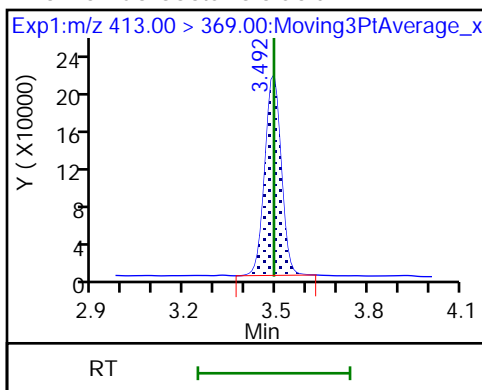
\* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

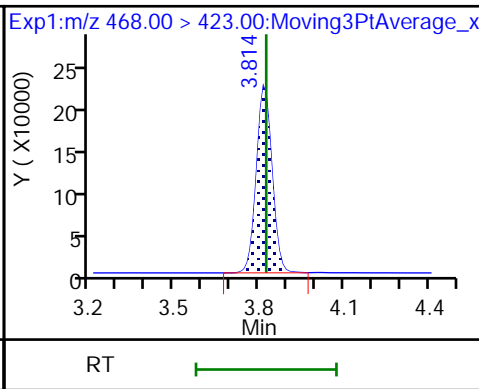
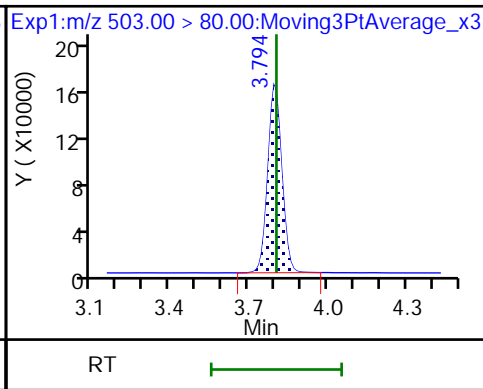
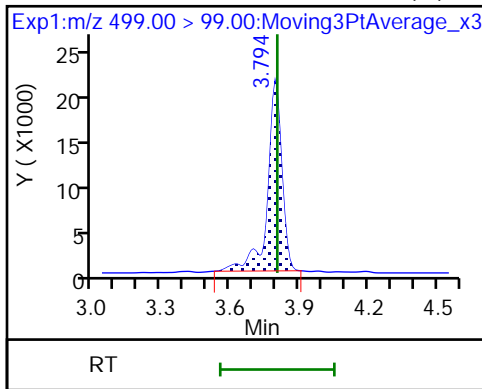
17 Perfluorooctanesulfonic acid (M)

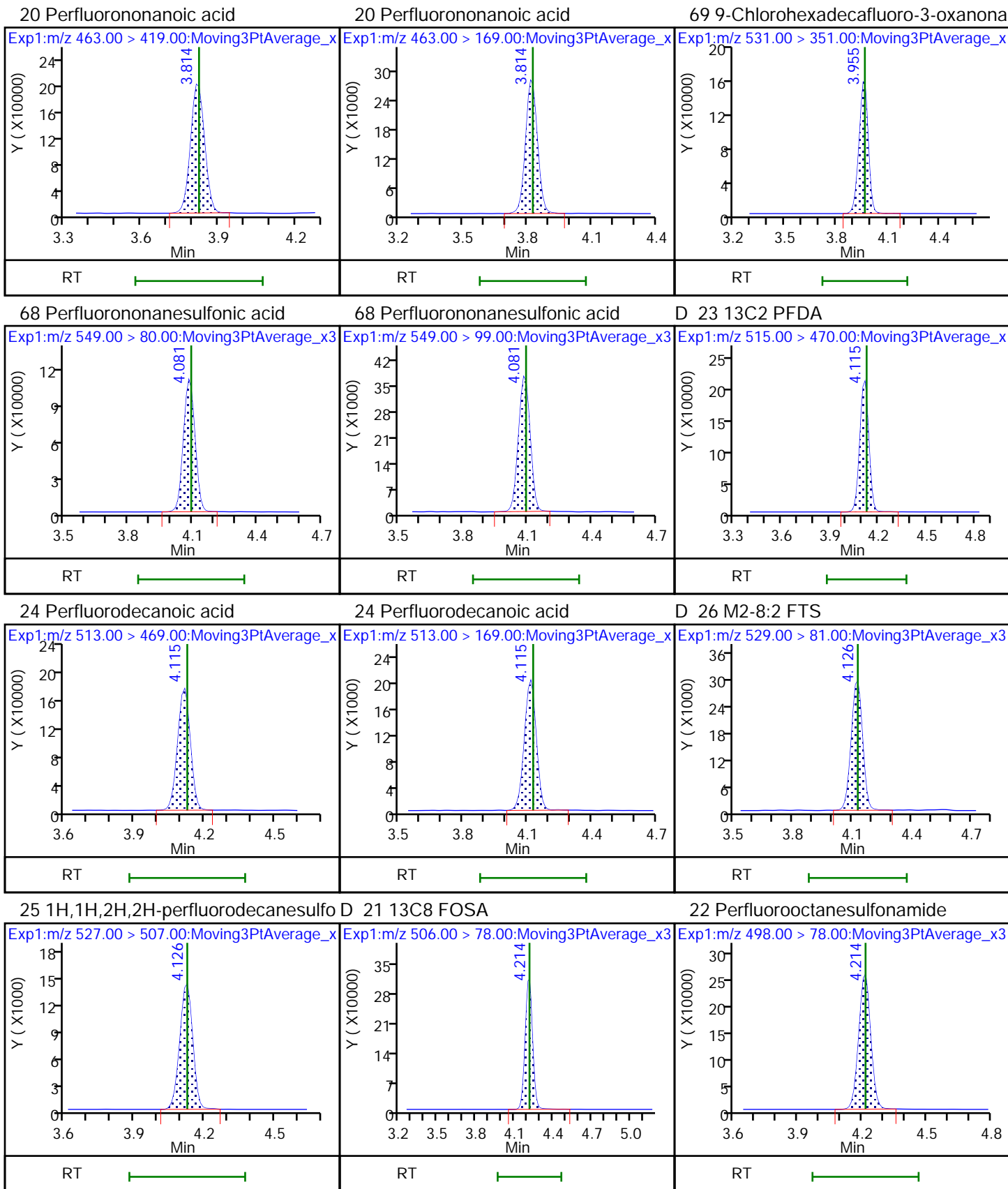


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

D 19 13C5 PFNA

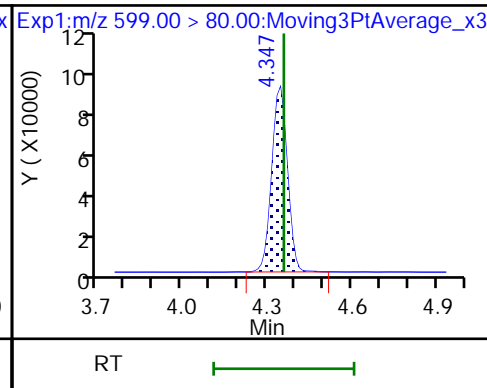
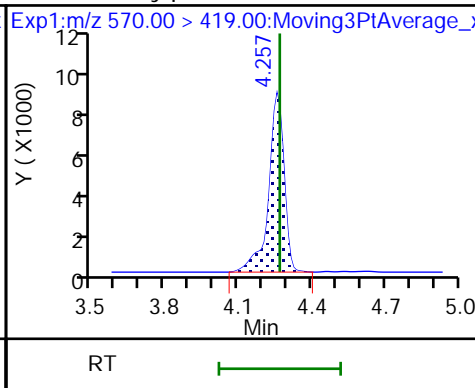
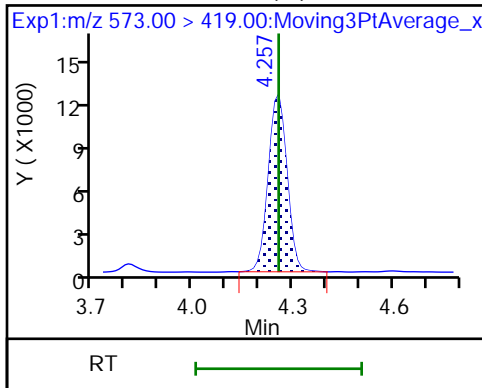




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami

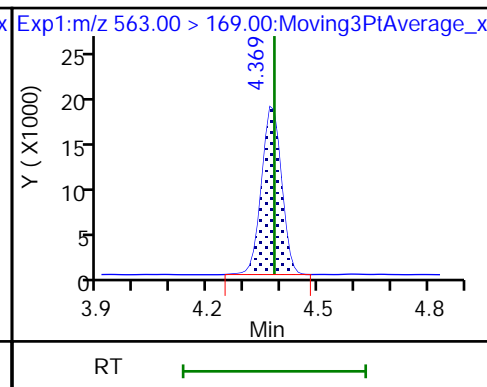
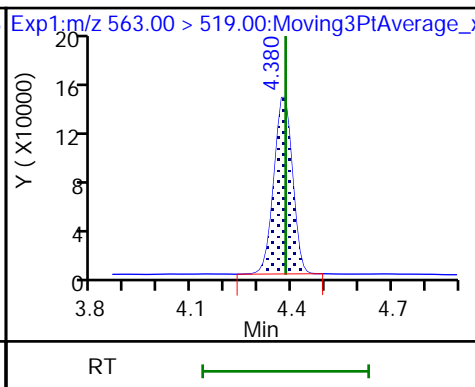
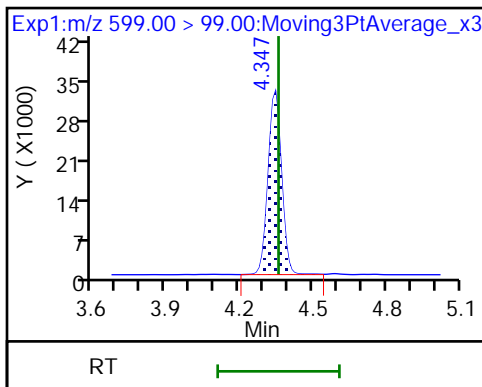
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

31 Perfluoroundecanoic acid

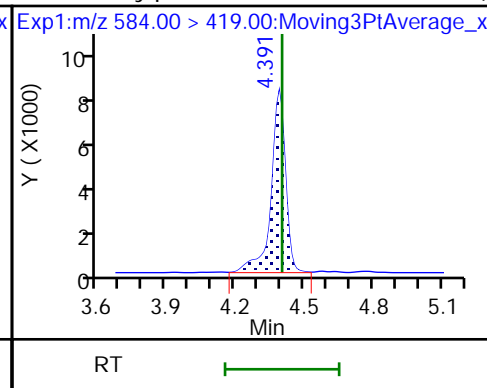
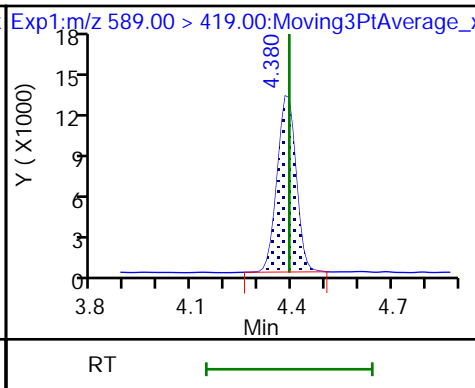
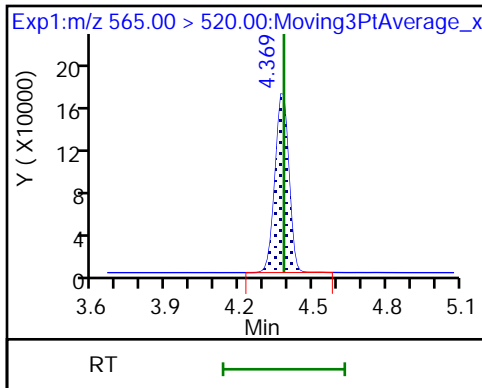
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

D 32 d5-NEtFOSAA

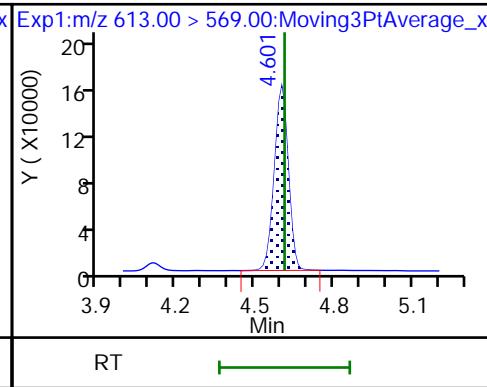
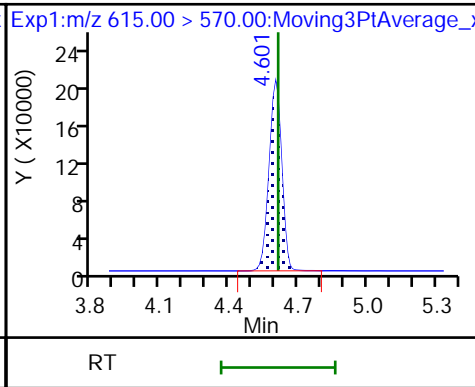
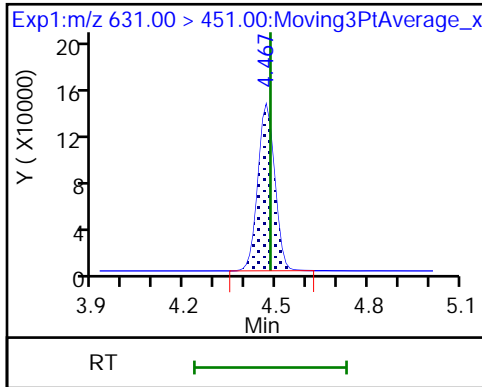
33 N-ethylperfluorooctanesulfonamid (M)

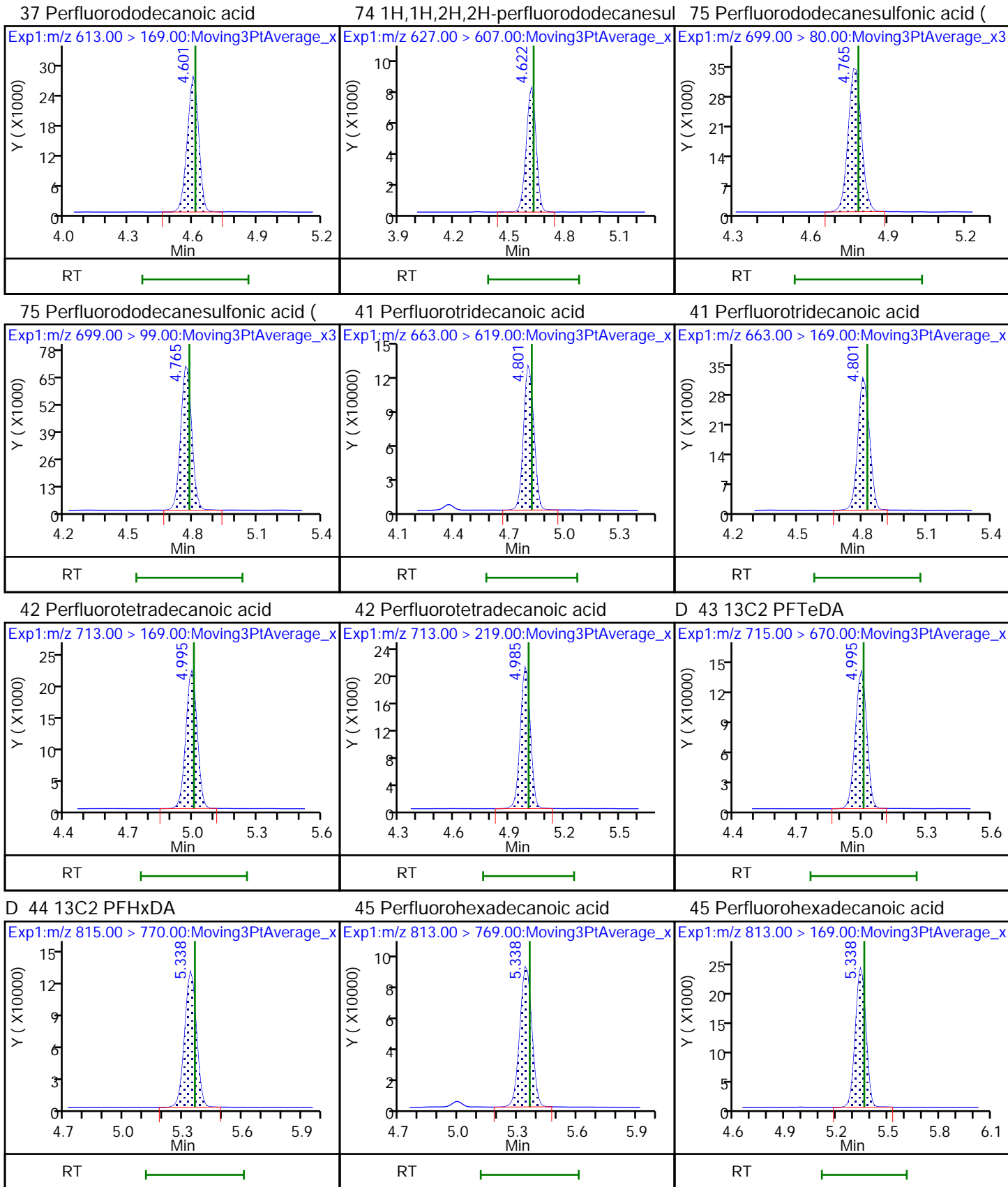


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDaA

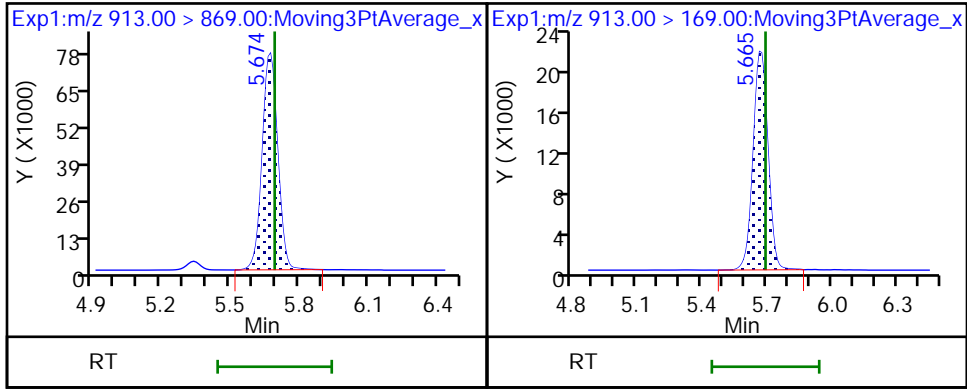
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

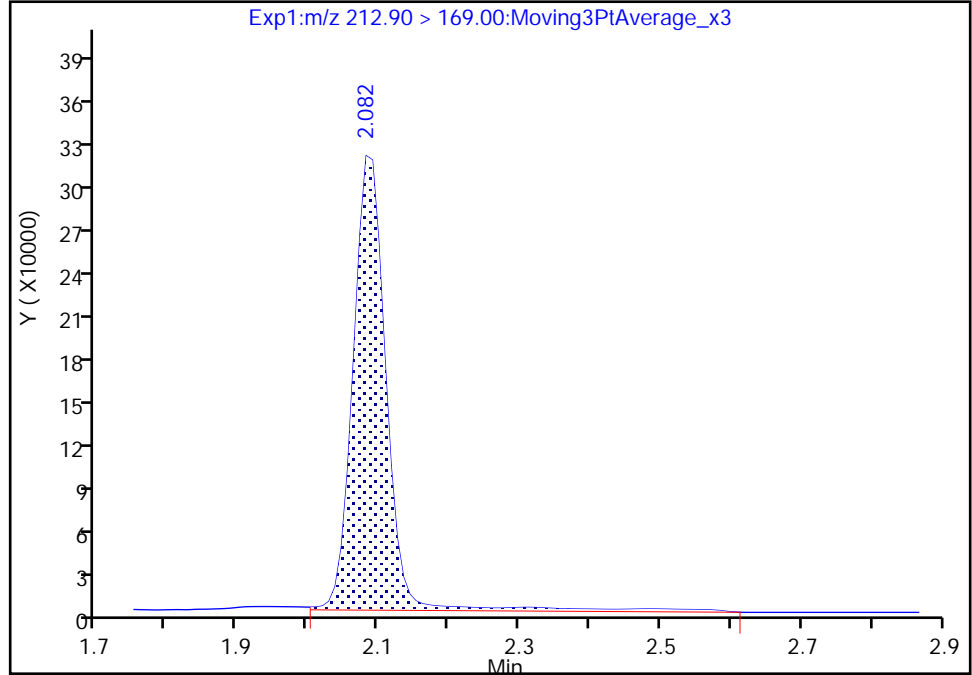
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Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

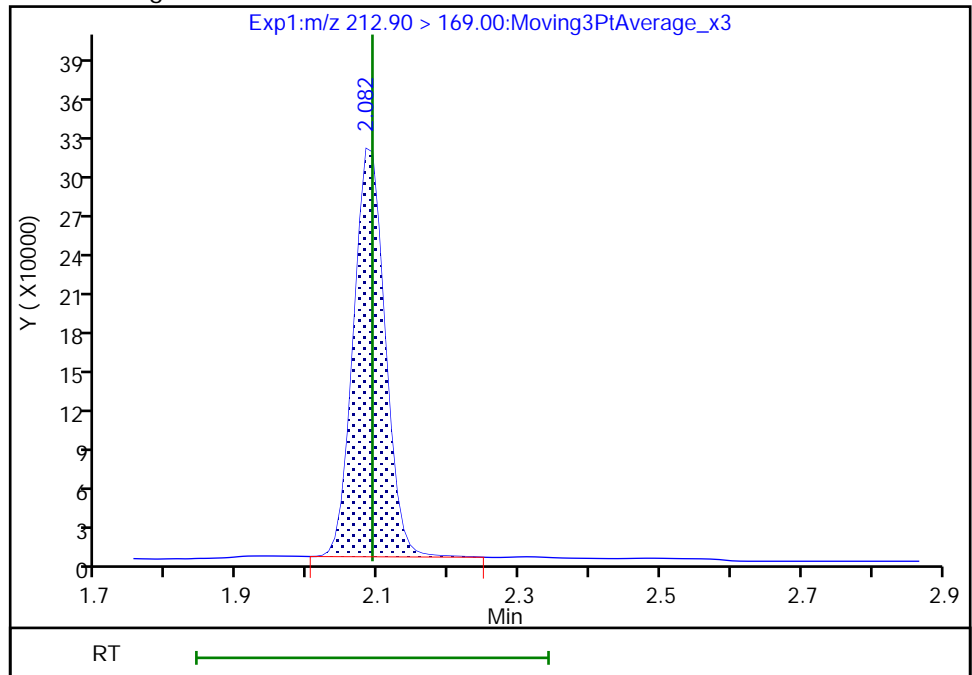
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Area: 1036395  
Amount: 1.030197  
Amount Units: ng/ml

Processing Integration Results



RT: 2.08  
Area: 971398  
Amount: 0.965589  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:15:52  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

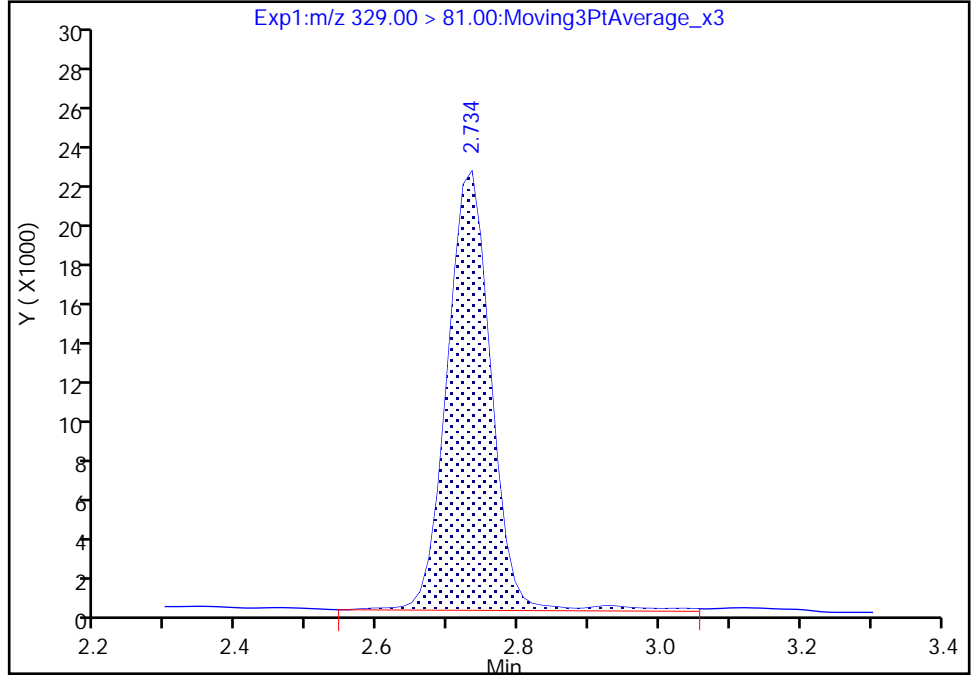
Eurofins TestAmerica, Burlington

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Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395  
Signal: 1

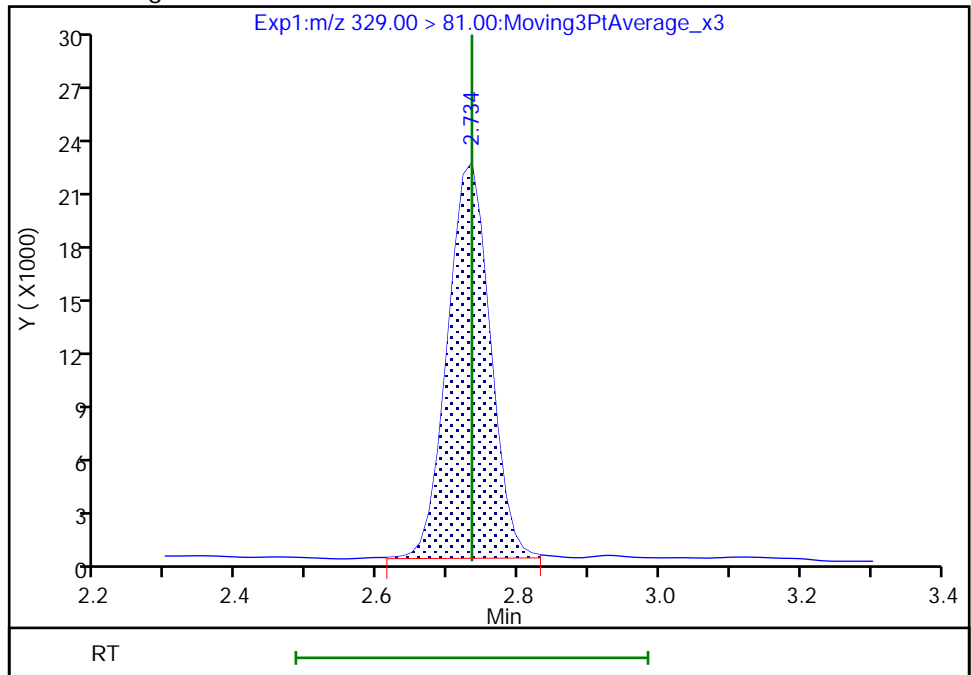
RT: 2.73  
Area: 95881  
Amount: 1.147630  
Amount Units: ng/ml

Processing Integration Results



RT: 2.73  
Area: 92618  
Amount: 1.108574  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:14:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

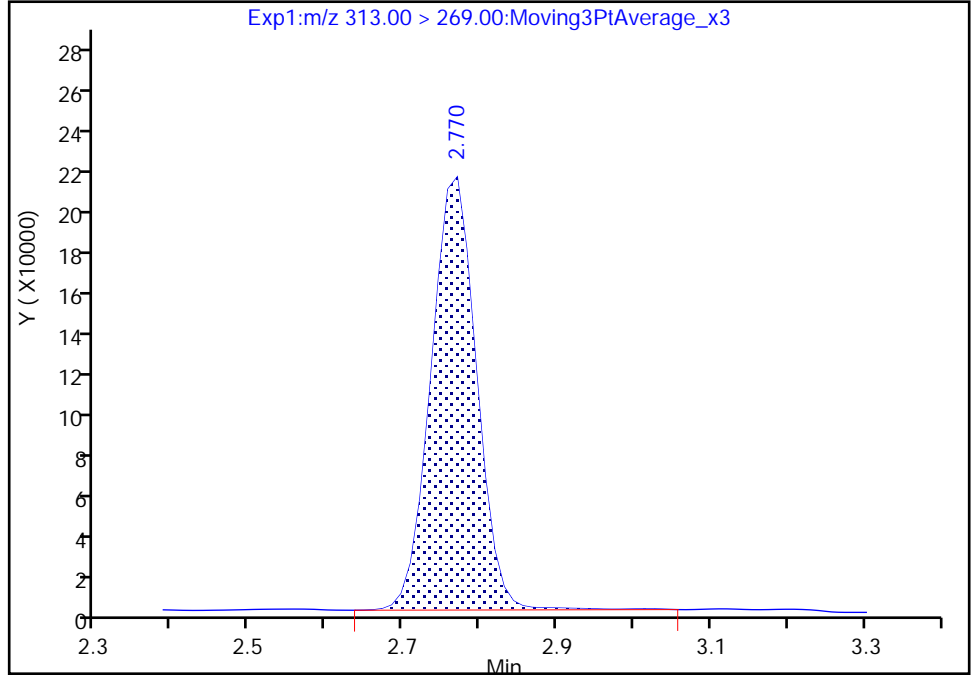
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Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

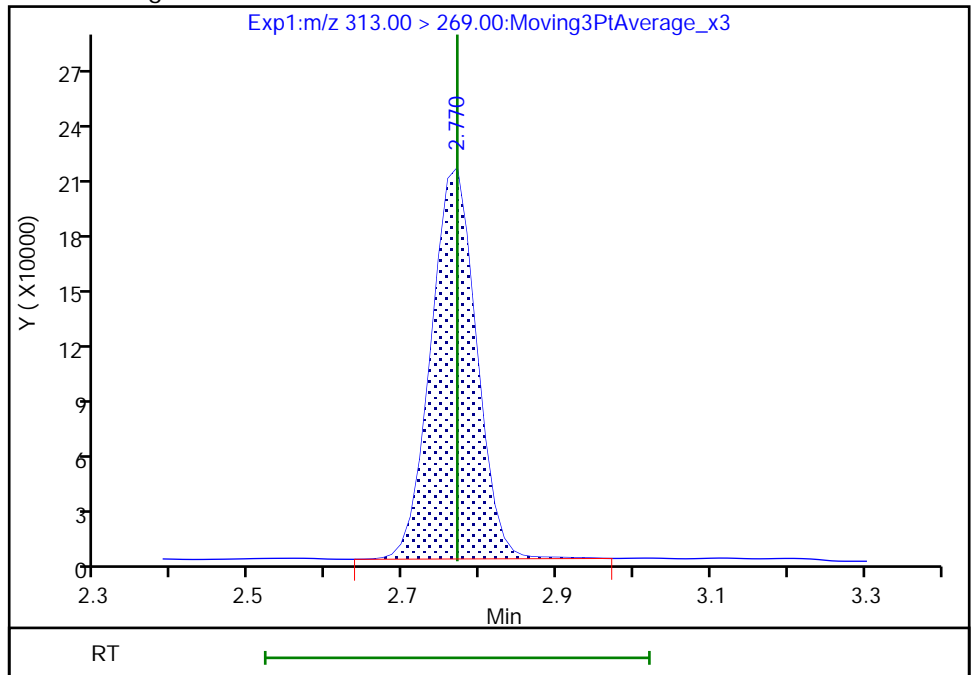
RT: 2.77  
Area: 860748  
Amount: 0.983392  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 857289  
Amount: 0.979441  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:16:02  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

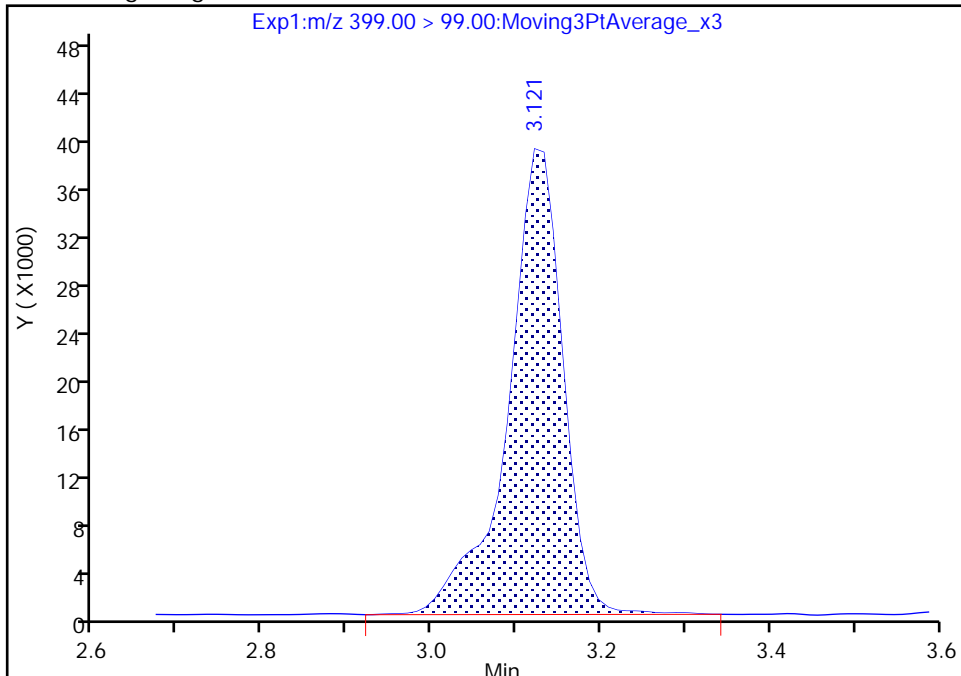
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Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

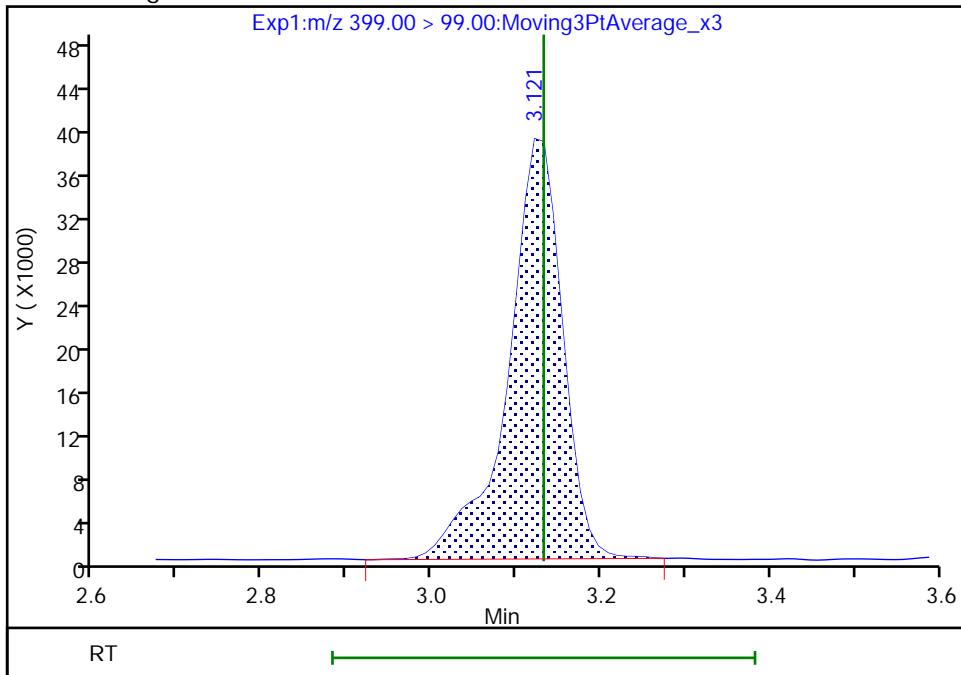
RT: 3.12  
Area: 174351  
Amount: 0.860432  
Amount Units: ng/ml

Processing Integration Results



RT: 3.12  
Area: 173018  
Amount: 0.860432  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:16:14  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

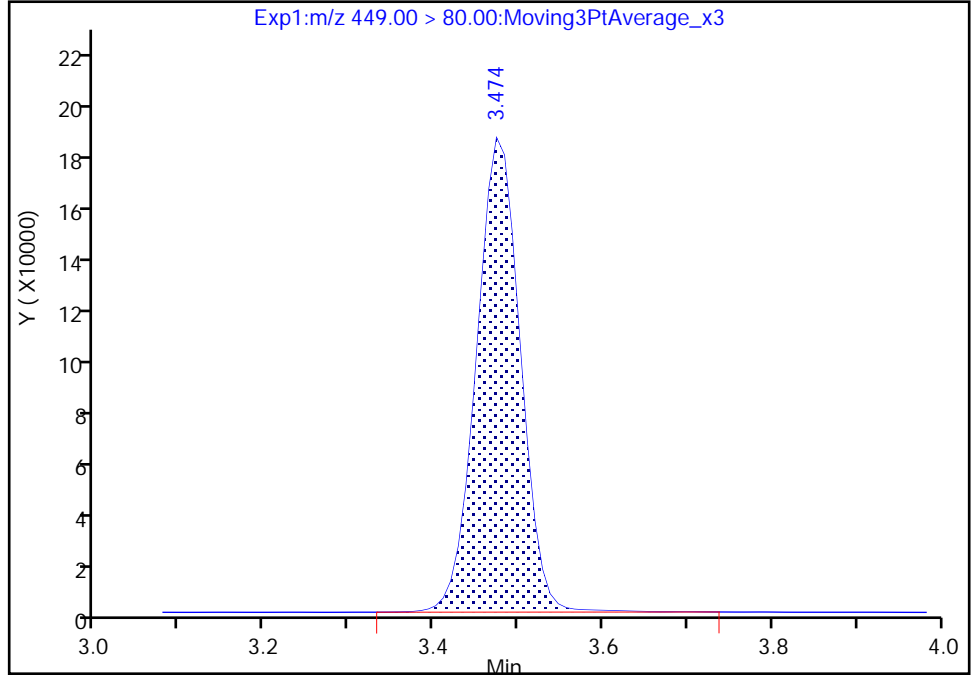
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d  
Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

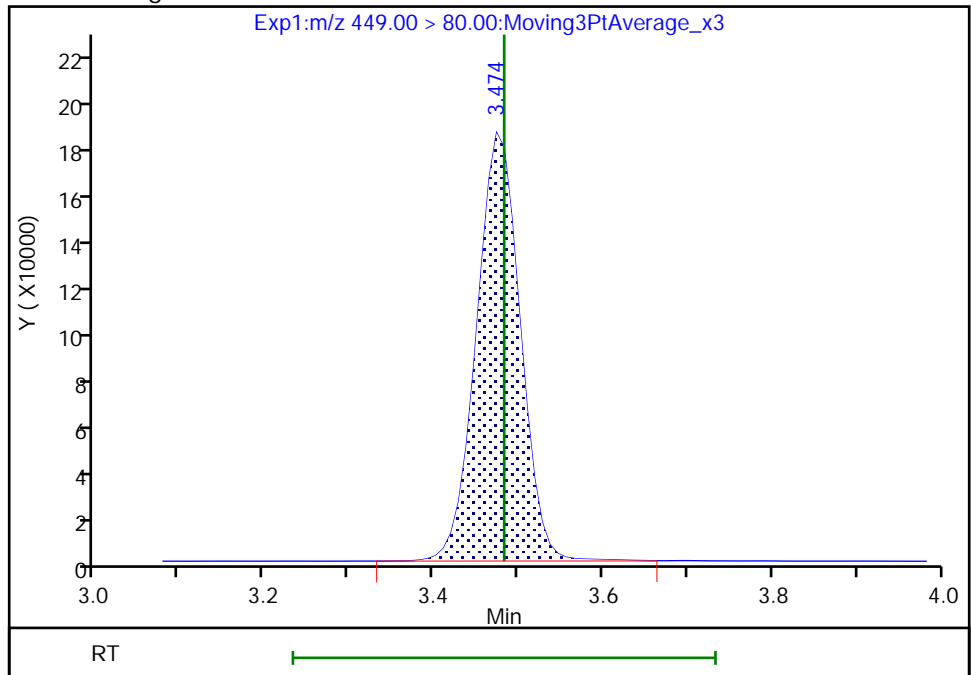
RT: 3.47  
Area: 655035  
Amount: 0.951977  
Amount Units: ng/ml

Processing Integration Results



RT: 3.47  
Area: 654686  
Amount: 0.951470  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:16:23  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

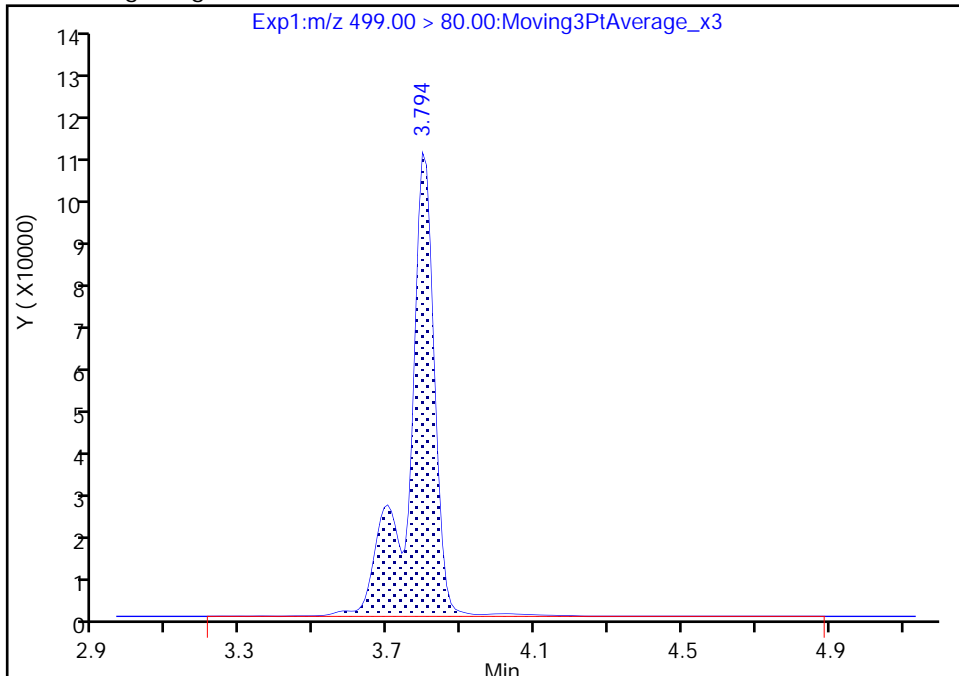
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d  
Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

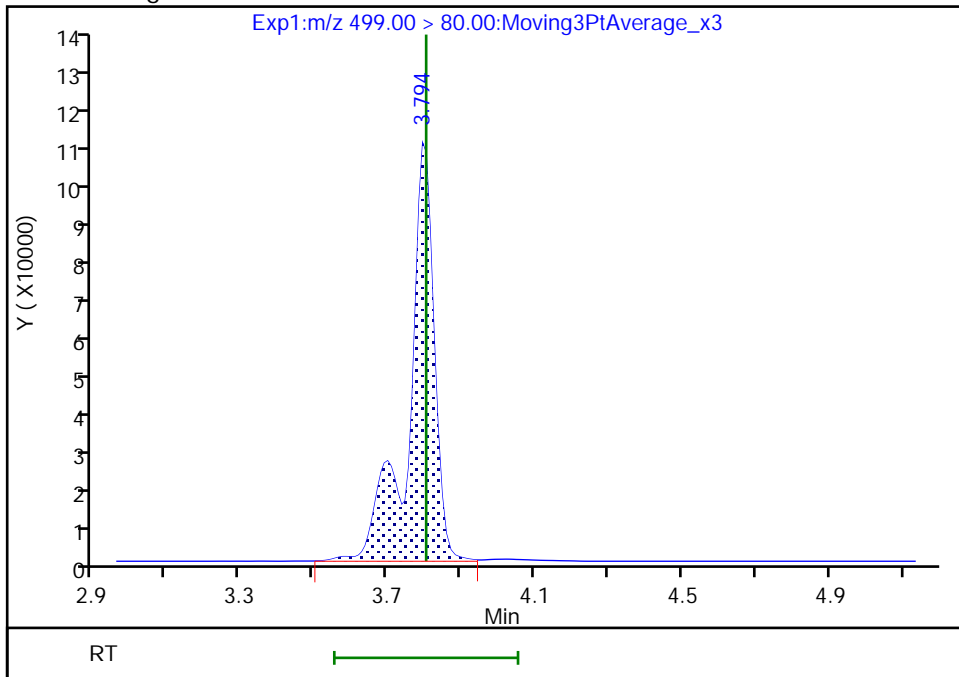
RT: 3.79  
Area: 534585  
Amount: 0.912079  
Amount Units: ng/ml

Processing Integration Results



RT: 3.79  
Area: 528824  
Amount: 0.902250  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:16:34  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

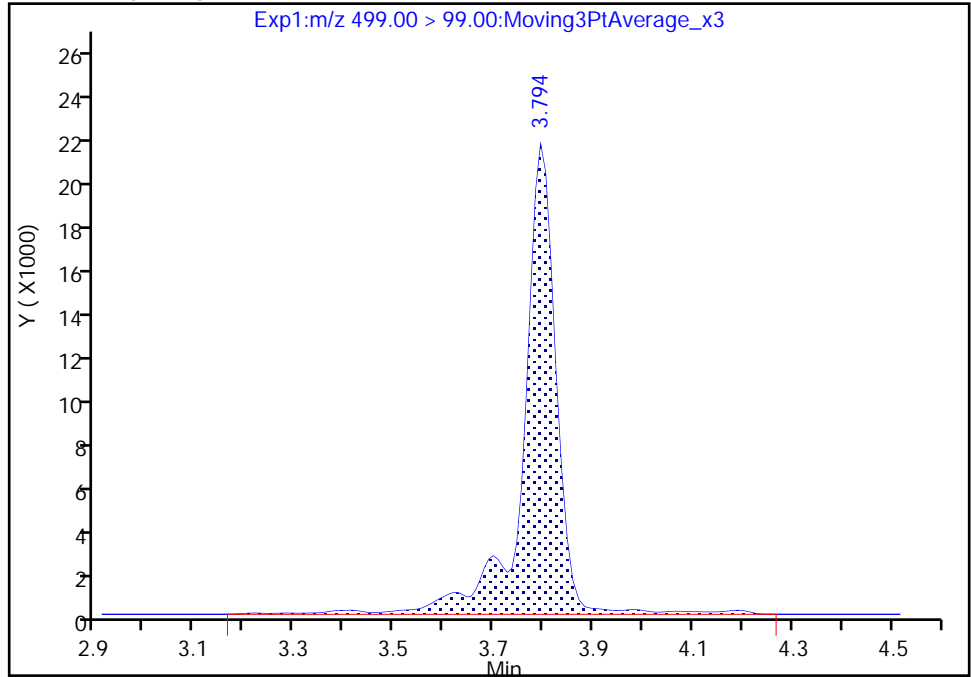
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d  
Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

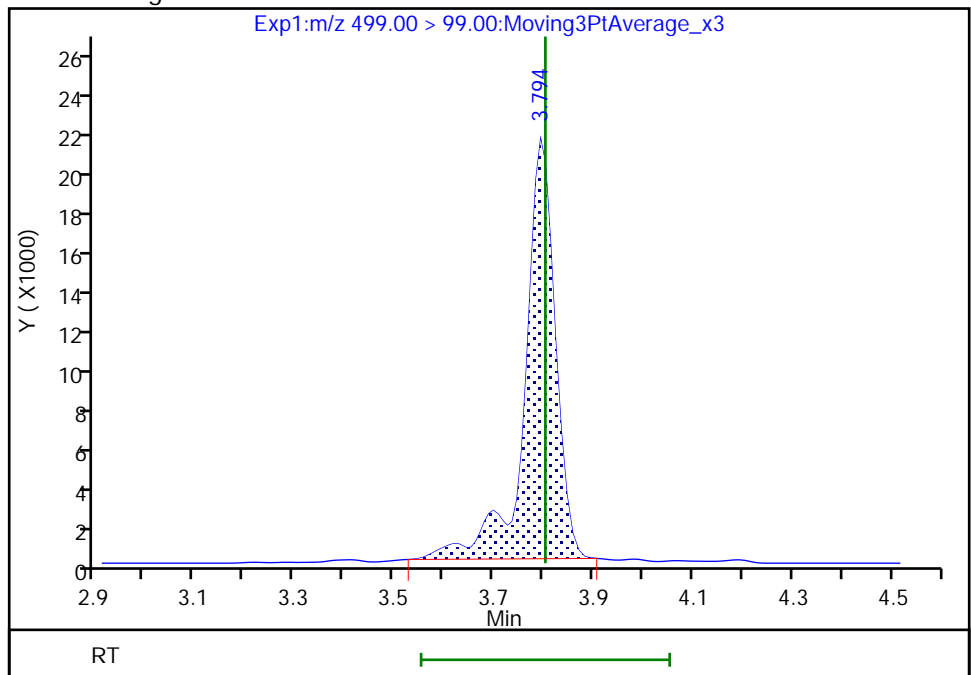
RT: 3.79  
Area: 100911  
Amount: 0.912079  
Amount Units: ng/ml

Processing Integration Results



RT: 3.79  
Area: 91711  
Amount: 0.902250  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:34:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

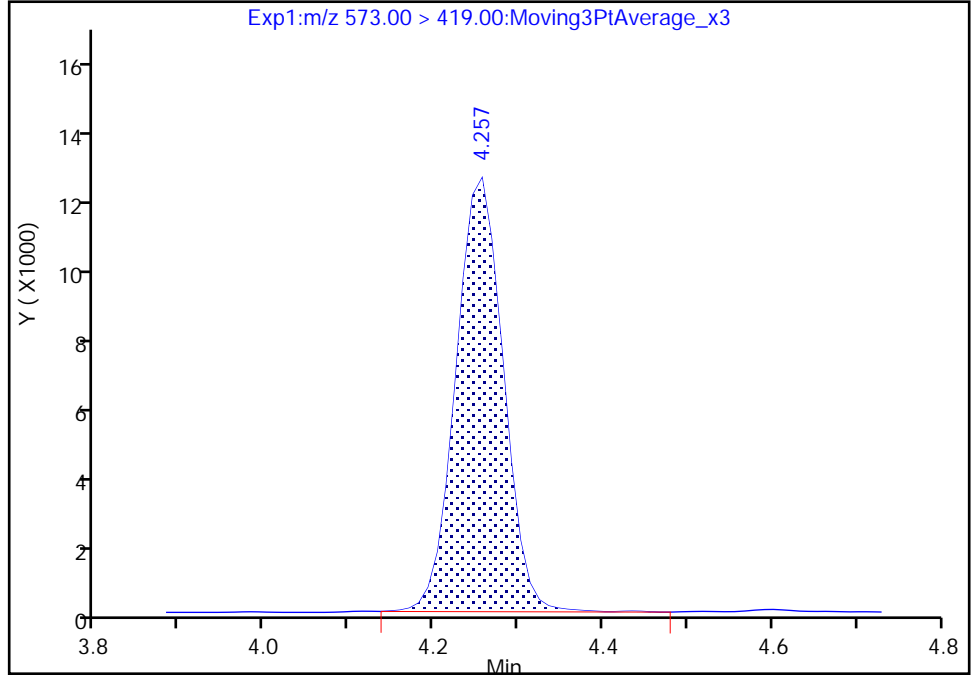
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d  
Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

**D 27 d3-NMeFOSAA, CAS: STL02118**  
Signal: 1

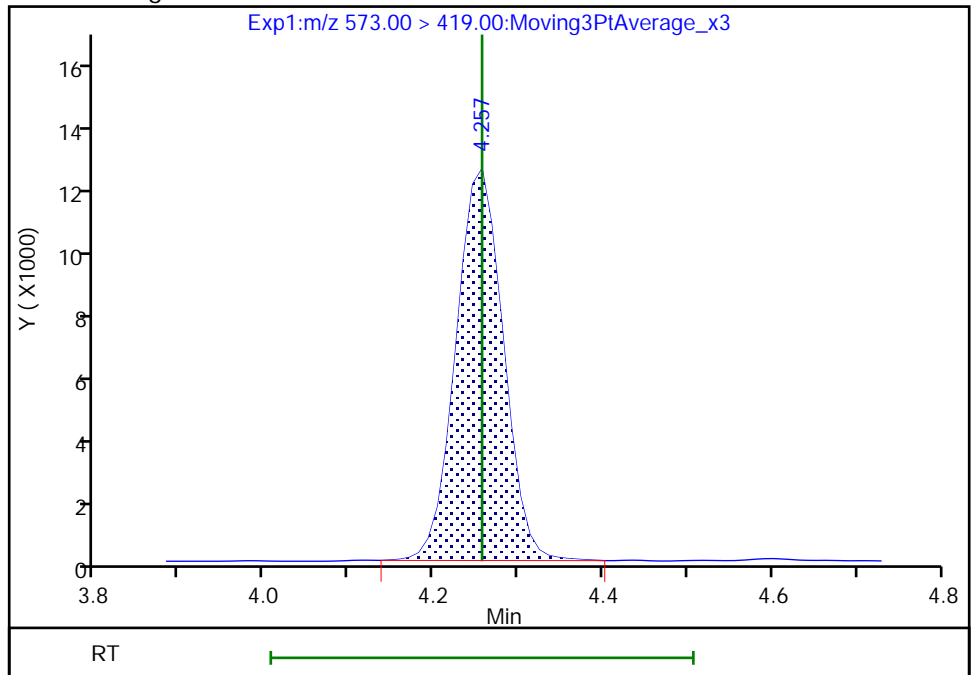
RT: 4.26  
Area: 47392  
Amount: 0.998941  
Amount Units: ng/ml

Processing Integration Results



RT: 4.26  
Area: 47280  
Amount: 0.996581  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:15:07  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

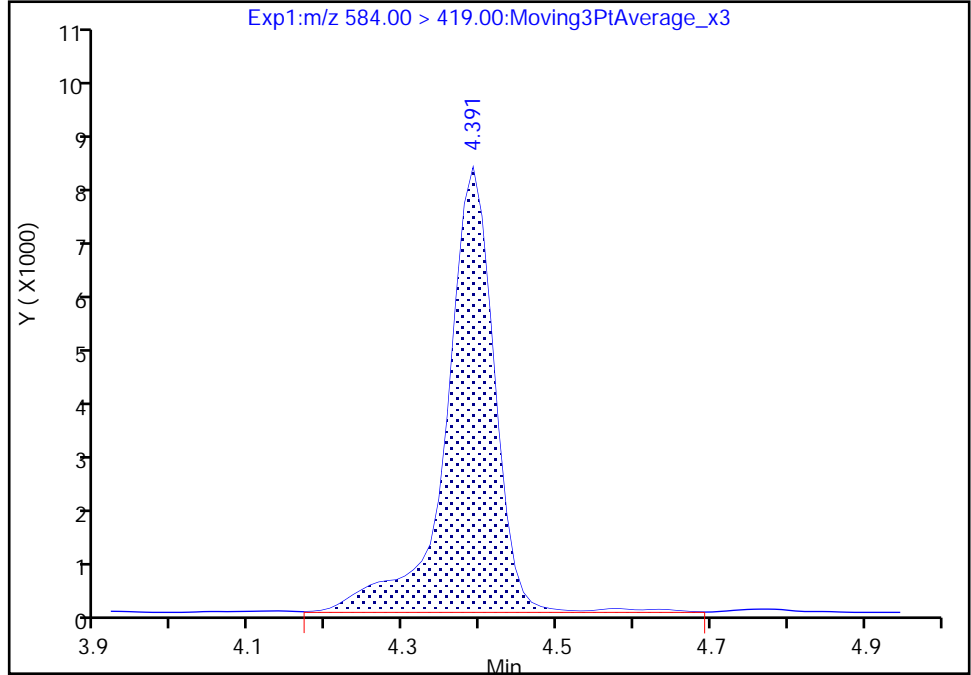
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C01.d  
Injection Date: 21-Jan-2021 21:04:51 Instrument ID: LC812  
Lims ID: CCV L4  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

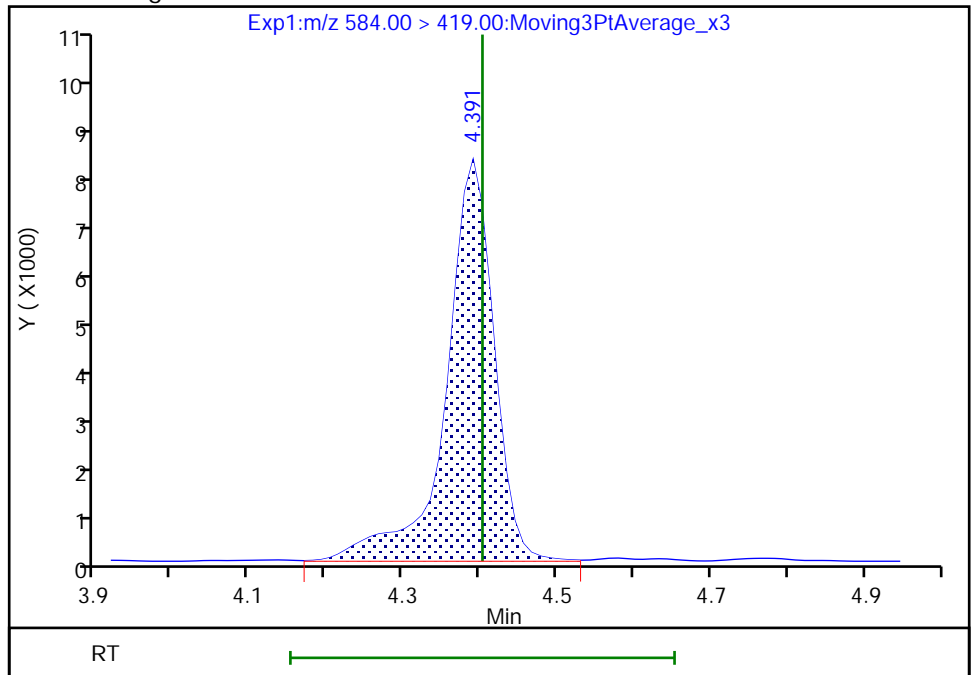
RT: 4.39  
Area: 34226  
Amount: 0.910291  
Amount Units: ng/ml

Processing Integration Results



RT: 4.39  
Area: 33873  
Amount: 0.900903  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:17:02  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 200-163183/14 Calibration Date: 01/21/2021 22:52  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121C14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9386		2.34	2.50	-6.3	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.055		2.38	2.50	-4.7	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.085		2.12	2.21	-4.1	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.723		2.20	2.34	-6.0	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.049		2.40	2.50	-4.0	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.225		2.19	2.35	-6.7	50.0
HFPO-DA	AveID	1.385	1.397		2.52	2.50	0.8	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.028		2.35	2.50	-5.9	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.078		2.08	2.28	-8.5	40.0
DONA	AveID	3.349	3.033		2.13	2.36	-9.4	50.0
6:2 FTS	AveID	1.112	1.030		2.20	2.37	-7.4	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.285		2.27	2.38	-4.8	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.058		2.44	2.50	-2.4	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.059		2.14	2.32	-7.9	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.042		2.35	2.50	-5.8	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.177		2.14	2.33	-8.2	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.7987		2.23	2.40	-6.9	50.0
8:2 FTS	AveID	0.6801	0.5698		2.01	2.40	-16.2	40.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	0.997		2.42	2.50	-3.3	40.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.002	1.004		2.51	2.50	0.2	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9592		2.71	2.50	8.2	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6541		2.30	2.41	-4.4	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.012		2.48	2.50	-0.7	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.9300		2.51	2.50	0.5	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.137		2.01	2.36	-14.6	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	0.9807		2.23	2.50	-10.8	40.0
10:2 FTS	AveID	0.3501	0.3288		2.26	2.41	-6.1	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2374		2.28	2.42	-5.7	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.8704		2.44	2.50	-2.5	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.1867		2.52	2.50	0.7	40.0



FORM VII  
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 200-163183/14 Calibration Date: 01/21/2021 22:52  
 Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48  
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 12/22/2020 13:29  
 Lab File ID: PA210121C14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9696		2.59	2.50	3.5	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.9002		2.50	2.50	0.0	50.0
13C4 PFBA	Ave	1.343	1.219		1.13	1.25	-9.3	50.0
13C5 PFPeA	Ave	0.9710	0.9270		1.19	1.25	-4.5	50.0
13C3 PFBS	Ave	1.278	1.169		1.06	1.16	-8.5	50.0
M2-4:2 FTS	Ave	0.1066	0.0995		1.09	1.17	-6.7	50.0
13C2 PFHxA	Ave	1.018	0.9755		1.20	1.25	-4.1	50.0
13C3 HFPO-DA	Ave	0.1792	0.1400		0.977	1.25	-21.8	50.0
13C4 PFHpA	Ave	0.9742	0.9498		1.22	1.25	-2.5	50.0
18O2 PFHxS	Ave	0.9511	0.8907		1.11	1.18	-6.3	50.0
M2-6:2 FTS	Ave	0.1187	0.1095		1.10	1.19	-7.8	50.0
13C4 PFOA	Ave	0.9896	0.9784		1.24	1.25	-1.1	50.0
13C4 PFOS	Ave	0.6528	0.6383		1.17	1.20	-2.2	50.0
13C5 PFNA	Ave	0.8730	0.8608		1.23	1.25	-1.4	50.0
13C2 PFDA	Ave	0.8346	0.8092		1.21	1.25	-3.0	50.0
M2-8:2 FTS	Ave	0.1225	0.1207		1.18	1.20	-1.5	50.0
13C8 FOSA	Ave	1.227	1.183		1.21	1.25	-3.6	50.0
d3-NMeFOSAA	Ave	0.0605	0.0485		1.00	1.25	-19.9	50.0
13C2 PFUnA	Ave	0.6856	0.6498		1.19	1.25	-5.2	50.0
d5-NEtFOSAA	Ave	0.0585	0.0472		1.01	1.25	-19.4	50.0
13C2 PFDoA	Ave	0.7238	0.7235		1.25	1.25	-0.0	50.0
13C2 PFTeDA	Ave	0.5353	0.5382		1.26	1.25	0.5	50.0
13C2 PFHxDA	Ave	0.5718	0.5317		1.16	1.25	-7.0	50.0

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
 Lims ID: CCV L5  
 Client ID:  
 Sample Type: CCV  
 Inject. Date: 21-Jan-2021 22:52:38 ALS Bottle#: 14 Worklist Smp#: 14  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: CCV L5  
 Misc. Info.: 200-0044534-014 Plate: 1 Rack: 3  
 Operator ID: lc812tech Instrument ID: LC812  
 Sublist: chrom-PFC\_LC812\*sub3  
 Method: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 10:38:58 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614  
 First Level Reviewer: khanphomeea Date: 22-Jan-2021 12:03:08  
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.596	1505724	1.13	90.7	8321	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	2826499	2.34		93.7	584	M
D 3 13C5 PFPeA	267.90 > 223.00	2.414	2.413	0.001	0.691	1144973	1.19	95.5	3203	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.414	2.413	0.001	1.000	2416964	2.38		95.3	143	M
D 47 13C3 PFBS	301.90 > 80.00	2.427	2.426	0.001	0.695	1342503	1.06	91.5	226551	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.439	-0.012	1.000	2769146	2.12	Target=2.21	95.9	2683	
298.90 > 99.00	2.427	2.439	-0.012	1.000	1238611		2.24(1.11-3.32)		884	
D 60 M2-4:2 FTS	329.00 > 81.00	2.723	2.734	-0.011	0.779	114750	1.09	93.3	125	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.735	2.734	0.001	1.004	395527	2.19		94.0	3054	
D 7 13C2 PFHxA	315.00 > 270.00	2.772	2.770	0.002	0.793	1204850	1.20	95.9	2843	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.772	2.770	0.002	1.000	2527688	2.40	Target=12.83	96.0	509	M
313.00 > 119.00	2.772	2.770	0.002	1.000	205301		12.31(6.42-19.25)		227	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.772	2.770	0.002	0.884	2528322	2.19	Target=3.35	93.3	3531	
349.00 > 99.00	2.772	2.770	0.002	0.884	730591		3.46(1.67-5.02)		1006	
D 64 13C3 HFPO-DA	332.10 > 287.00	2.869	2.880	-0.011	0.821	172978	0.9770	78.2	1019	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.881	2.880	0.001	1.004	483183	2.52		101	73.0	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.132	0.001	0.897	1040777	1.11		93.7	1461	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.132	0.001	1.000	2158869	2.08	Target=4.15	91.5	1646	M
399.00 > 99.00	3.133	3.132	0.001	1.000	514752		4.19(2.08-6.23)		526	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.132	0.001	0.897	1173088	1.22		97.5	3217	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.132	0.001	1.000	2411969	2.35	Target=3.66	94.1	713	
363.00 > 169.00	3.133	3.132	0.001	1.000	683484		3.53(1.83-5.49)		2012	
77 DONA										
377.00 > 251.00	3.166	3.175	-0.009	0.834	4505392	2.13	Target=2.43	90.6	3546	
377.00 > 85.00	3.166	3.175	-0.009	0.834	1874414		2.40(1.22-3.65)		2190	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.475	3.483	-0.008	0.915	1929183	2.27	Target=5.95	95.2	3701	
449.00 > 99.00	3.475	3.483	-0.008	0.915	308774		6.25(2.98-8.93)		1332	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.475	3.483	-0.008	0.995	128485	1.10		92.2	431	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.475	3.483	-0.008	1.000	264177	2.20		92.6	1792	
D 14 13C4 PFOA										
417.00 > 372.00	3.484	3.492	-0.008	0.997	1208443	1.24		98.9	2127	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.492	0.001		1235139	1.25			2670	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.493	3.492	0.001	1.003	2556746	2.44	Target=2.58	97.6	633	
413.00 > 169.00	3.484	3.492	-0.008	1.000	1012276		2.53(1.29-3.87)		2500	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.798	3.804	-0.006	1.000	1549457	2.14	Target=5.65	92.1	892	M
499.00 > 99.00	3.798	3.804	-0.006	1.000	271909		5.70(2.82-8.47)		663	M
D 18 13C4 PFOS										
503.00 > 80.00	3.798	3.804	-0.006	1.087	753752	1.17		97.8	2309	
D 19 13C5 PFNA										
468.00 > 423.00	3.818	3.824	-0.006	1.093	1063236	1.23		98.6	2359	
20 Perfluorononanoic acid										
463.00 > 419.00	3.818	3.824	-0.006	1.000	2216460	2.35	Target=7.44	94.2	336	
463.00 > 169.00	3.818	3.824	-0.006	1.000	326026		6.80(3.72-11.16)		2654	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.959	3.964	-0.005	1.042	1730381	2.14		91.8	2822	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.086	4.092	-0.006	1.076	1209117	2.23	Target=2.54	93.1	1882	M
549.00 > 99.00	4.086	4.092	-0.006	1.076	425628		2.84(1.27-3.81)		1525	
D 23 13C2 PFDA										
515.00 > 470.00	4.120	4.126	-0.006	1.179	999499	1.21		97.0	1912	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.120	4.126	-0.006	1.000	1992536	2.42	Target=9.29	96.7	1296	
513.00 > 169.00	4.120	4.126	-0.006	1.000	239755		8.31(4.64-13.93)		1233	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.120	4.126	-0.006	1.179	142792	1.18		98.5	568	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.120	4.126	-0.006	1.000	162725	2.01		83.8	1713	
D 21 13C8 FOSA										
506.00 > 78.00	4.219	4.214	0.005	1.208	1460567	1.20		96.4	3827	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.219	4.214	0.005	1.000	2932677	2.50		100	2145	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.252	4.257	-0.005	1.217	59896	1.00		80.1	73.9	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.263	4.268	-0.005	1.003	114901	2.71		108	428	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.359	-0.017	1.143	994260	2.30	Target=2.80	95.6	2986	
599.00 > 99.00	4.342	4.359	-0.017	1.143	363022		2.74(1.40-4.19)		1815	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.381	-0.005	1.000	1625252	2.48	Target=8.12	99.3	972	
563.00 > 169.00	4.376	4.381	-0.005	1.000	212236		7.66(4.06-12.18)		1411	
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.381	-0.005	1.253	802649	1.18		94.8	1623	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.392	-0.005	1.256	58237	1.01		80.6	505	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.398	4.403	-0.005	1.003	108318	2.51		100	1008	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.463	4.480	-0.017	1.175	1689246	2.01		85.4	4418	
D 36 13C2 PFDaA										
615.00 > 570.00	4.609	4.612	-0.003	1.319	893639	1.25		100.0	3061	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.609	4.612	-0.003	1.000	1752709	2.23	Target=6.91	89.2	389	M
613.00 > 169.00	4.609	4.612	-0.003	1.000	277917		6.31(3.45-10.36)		1344	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.619	4.633	-0.014	1.121	94485	2.26		93.9	1159	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.772	4.784	-0.012	1.256	362418	2.28	Target=0.51	94.3	2207	
699.00 > 99.00	4.772	4.784	-0.012	1.256	764111		0.47(0.26-0.77)		4208	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.808	4.823	-0.015	1.043	1555578	2.44	Target=4.39	97.5	491	M
663.00 > 169.00	4.808	4.823	-0.015	1.043	387095		4.02(2.20-6.59)		2006	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.001	5.005	-0.004	1.000	248162	2.52	Target=1.06	101	2152	
713.00 > 219.00	4.991	5.005	-0.014	0.998	260388		0.95(0.53-1.59)		3622	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.001	5.005	-0.004	1.431	664708	1.26		101	3058	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.347	5.361	-0.014	1.531	656762	1.16		93.0	2353	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.347	5.361	-0.014	1.000	1273559	2.59	Target=3.84	104	438	
813.00 > 169.00	5.347	5.361	-0.014	1.000	334896		3.80(1.92-5.76)		2411	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.672	5.692	-0.020	1.061	1182461	2.50	Target=3.92	100	516	
913.00 > 169.00	5.672	5.692	-0.020	1.061	329210		3.59(1.96-5.88)		1297	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCIC5\_00013

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d

Injection Date: 21-Jan-2021 22:52:38

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

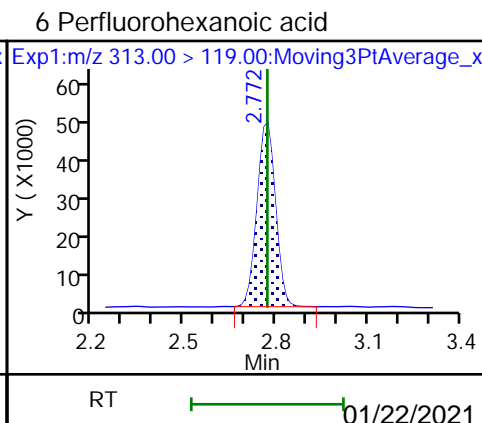
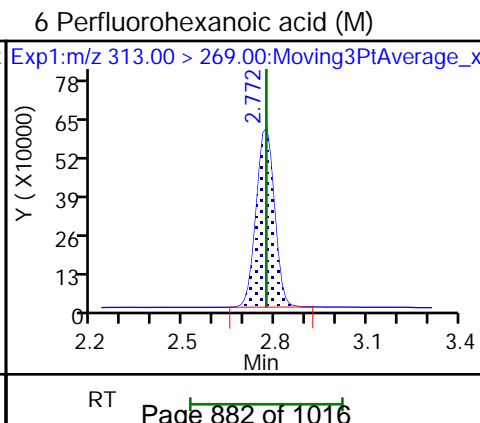
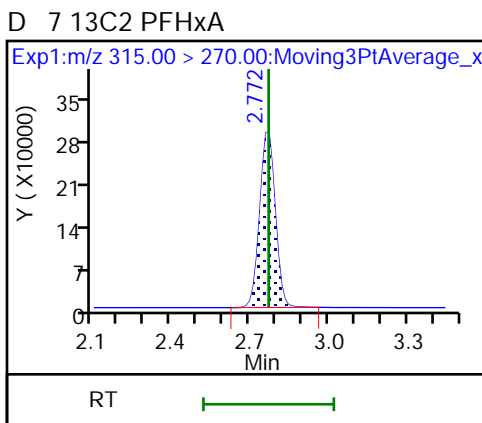
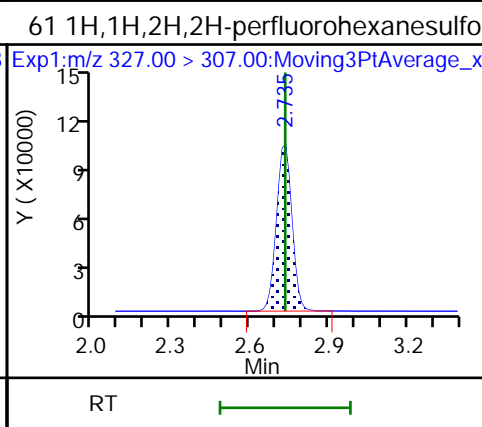
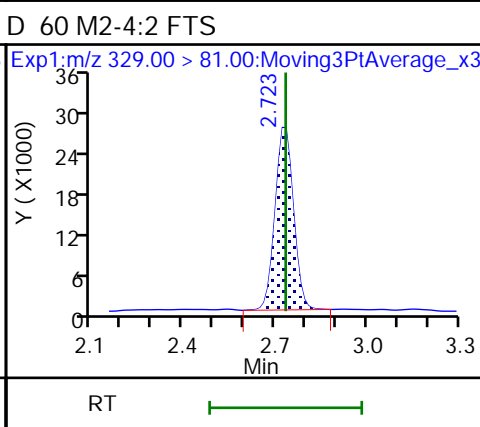
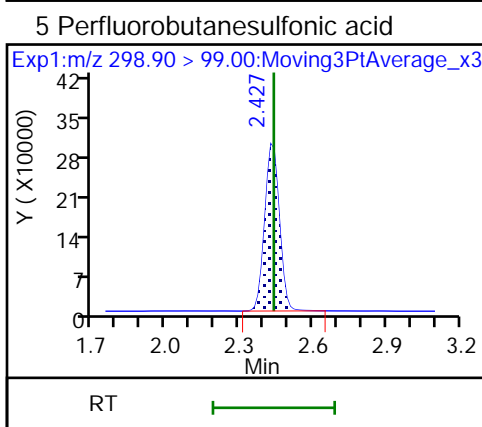
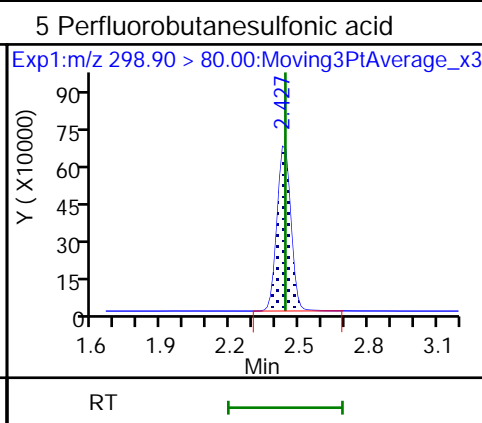
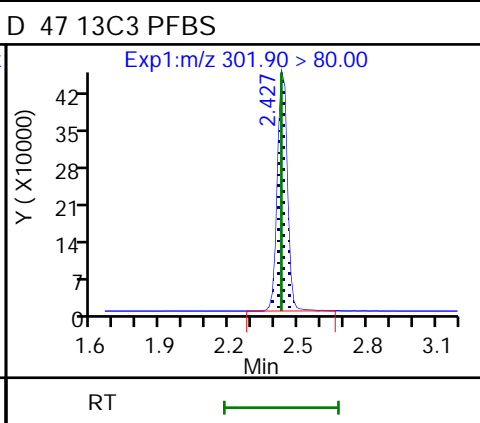
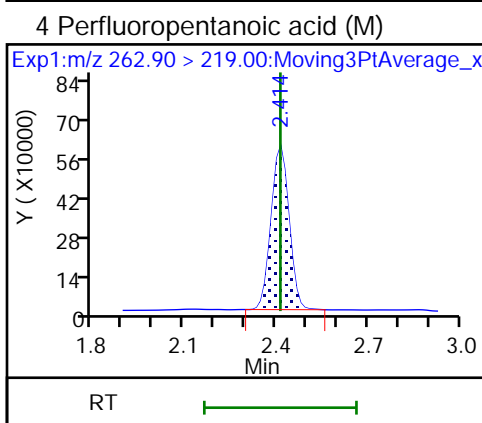
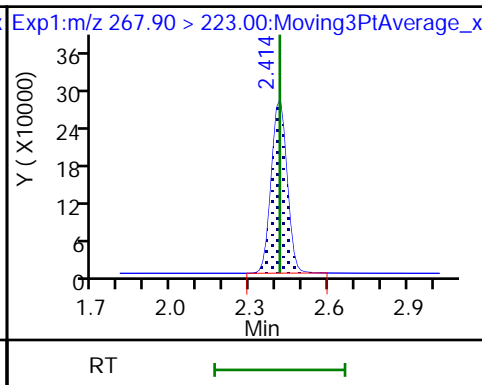
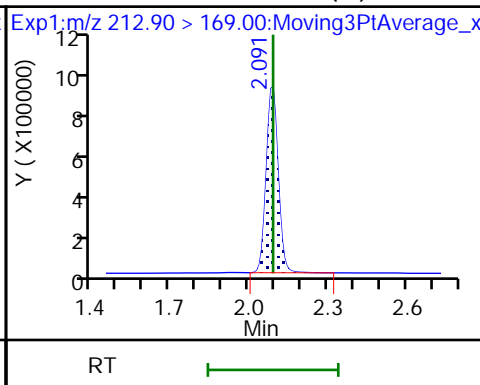
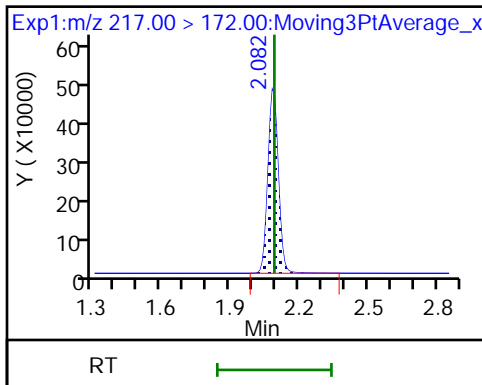
Method: PFC\_LC812

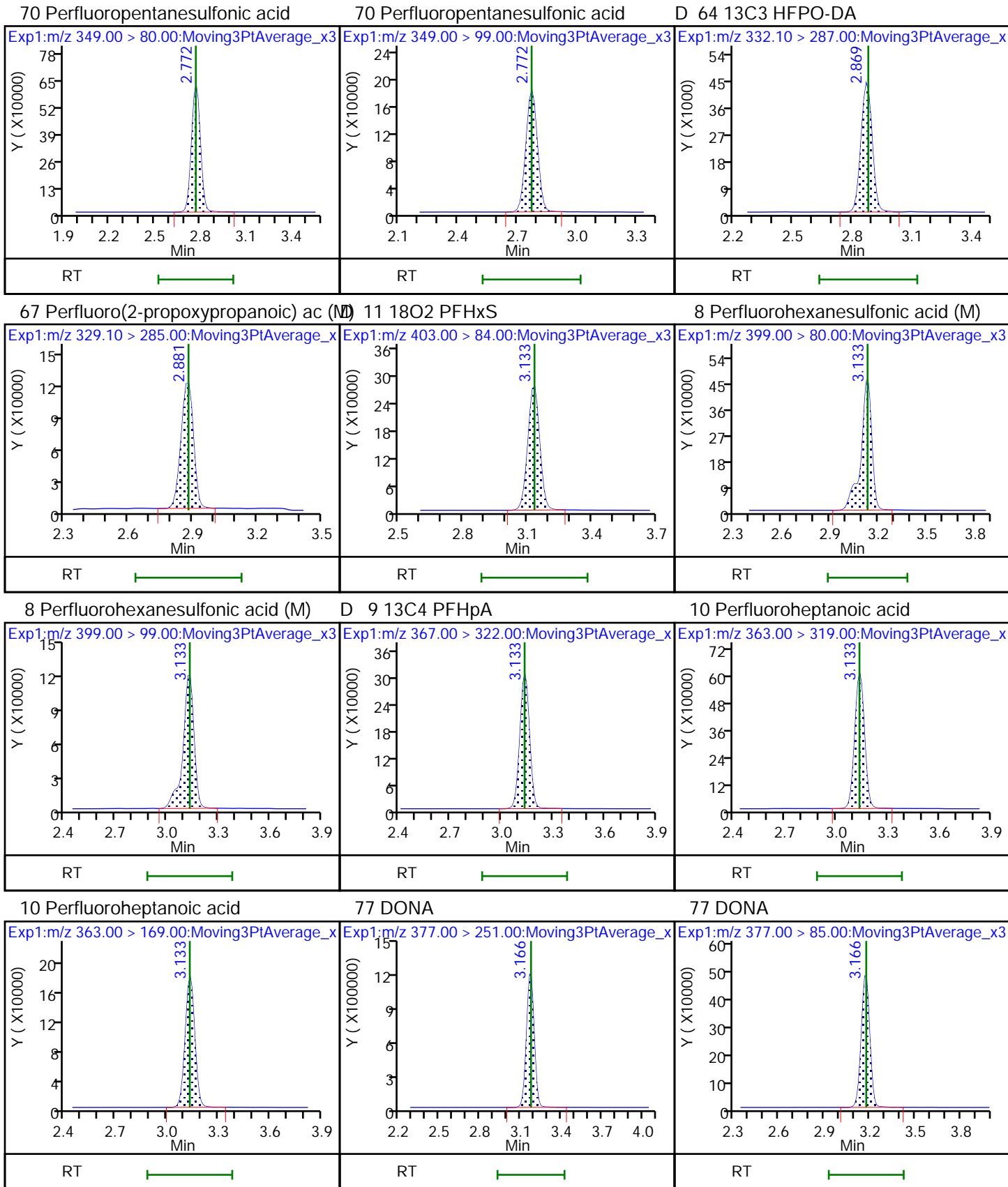
Limit Group: LC\_PFC\_ICAL

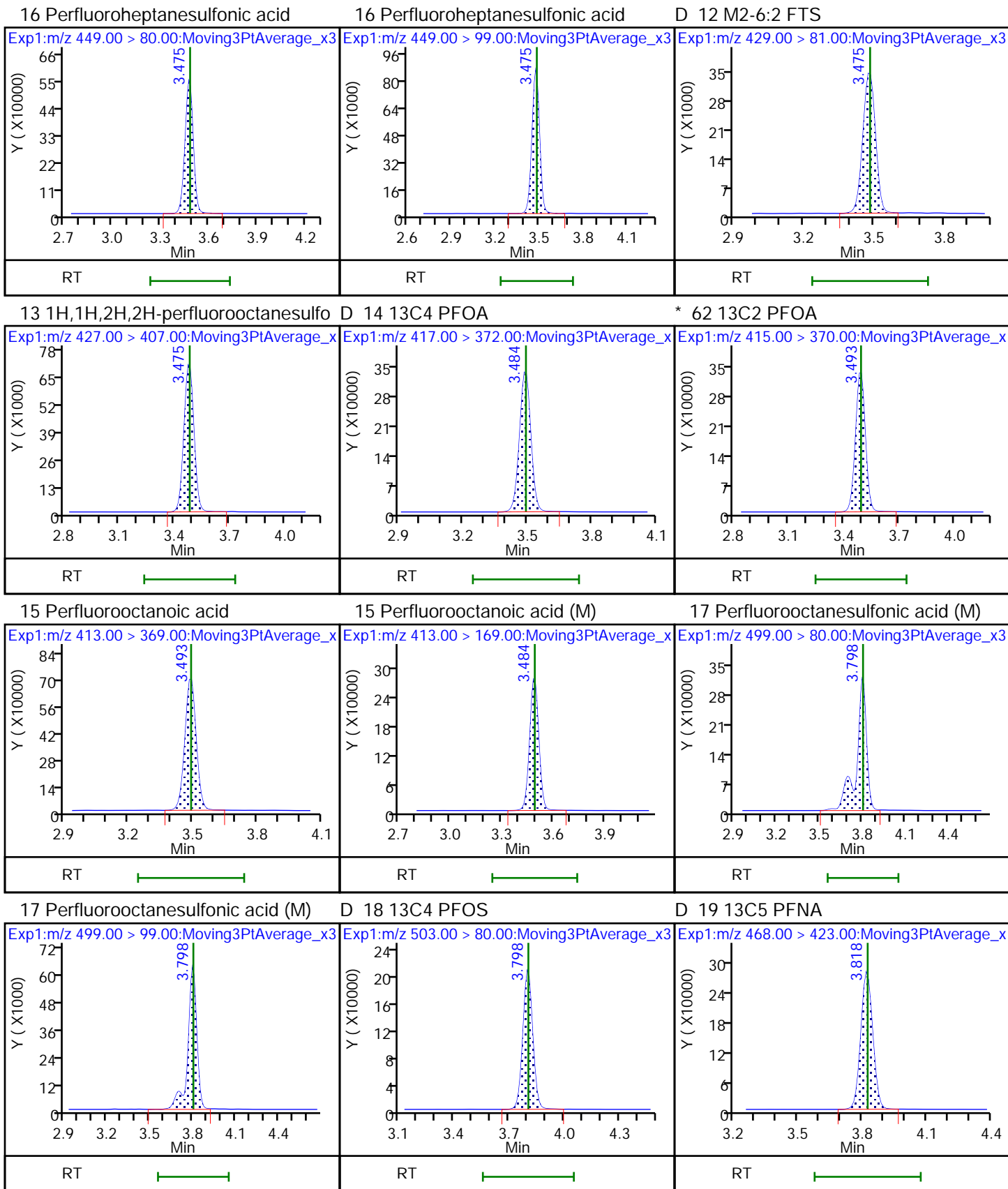
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

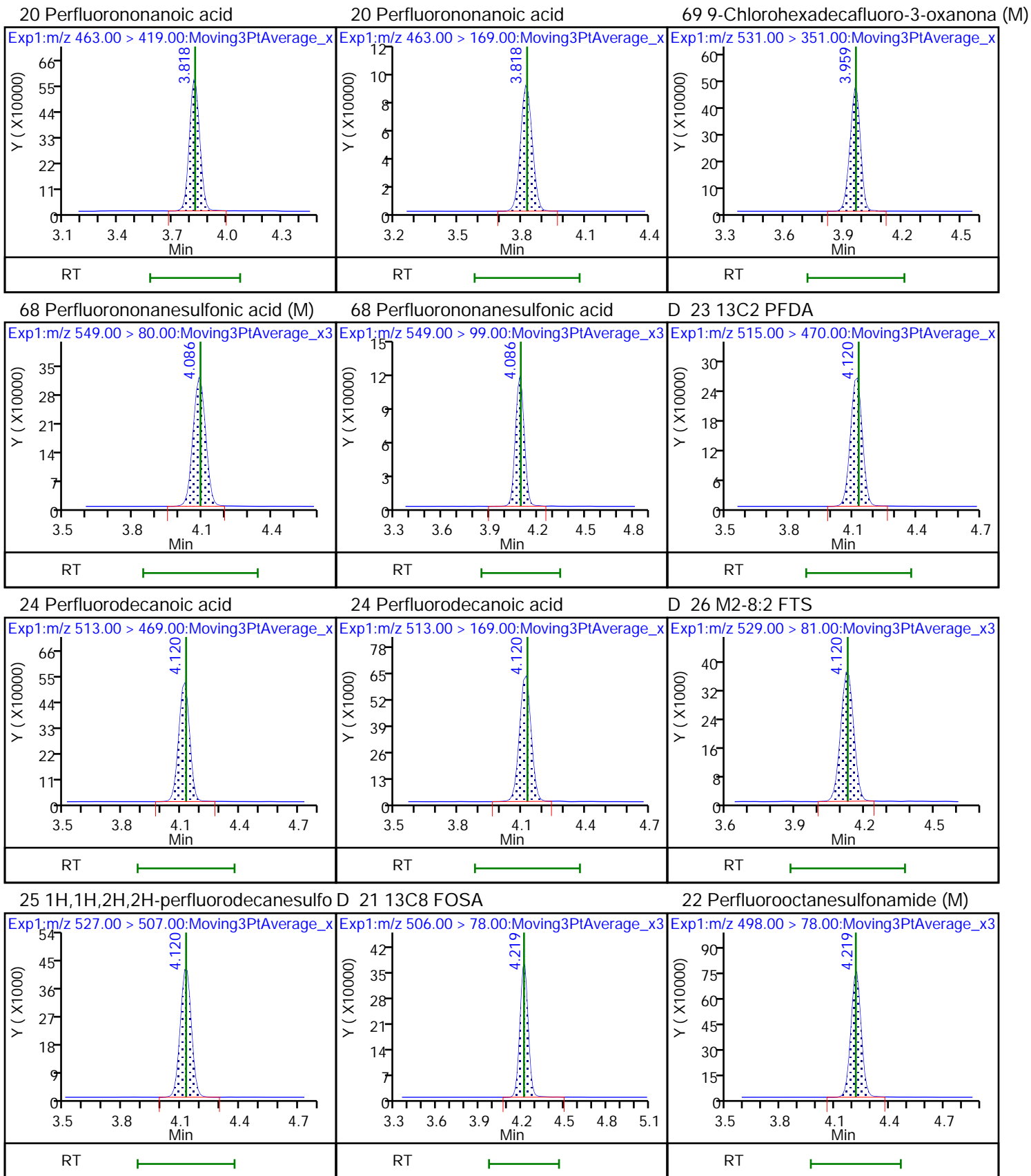
D 3 13C5 PFPeA







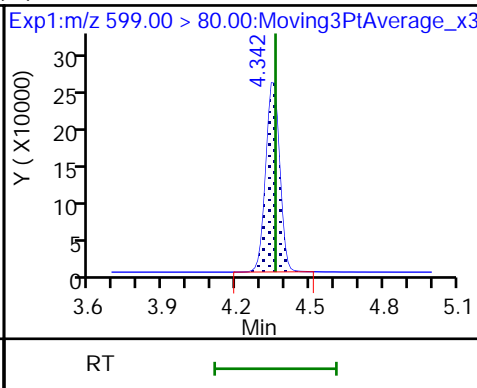
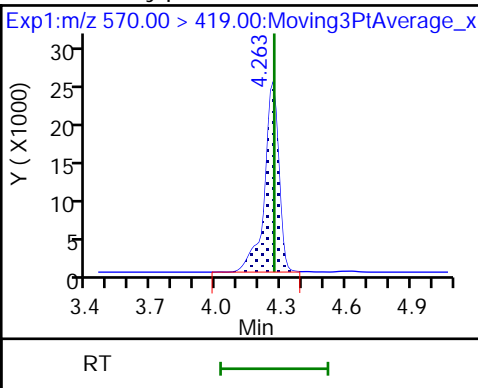
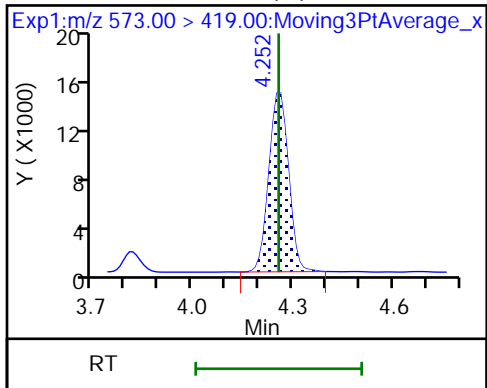




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

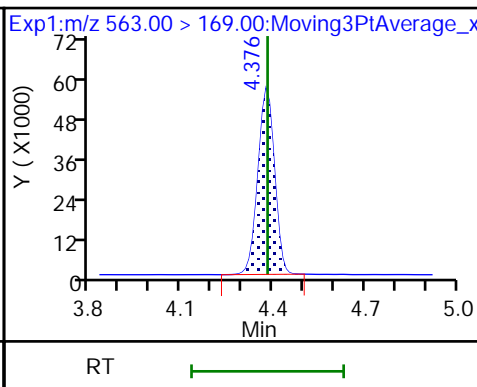
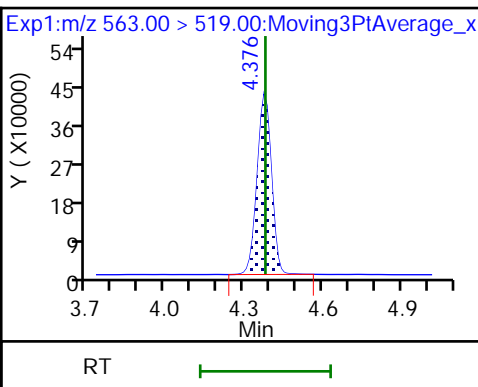
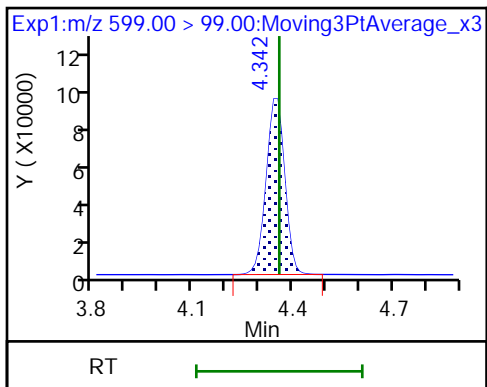
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

31 Perfluoroundecanoic acid

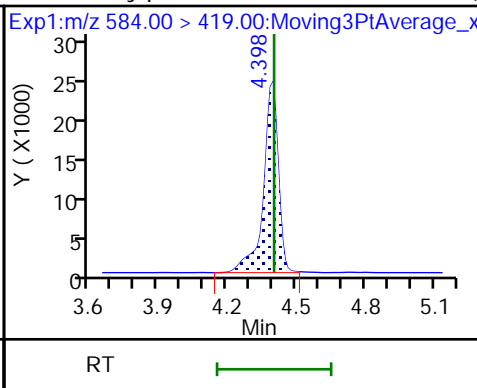
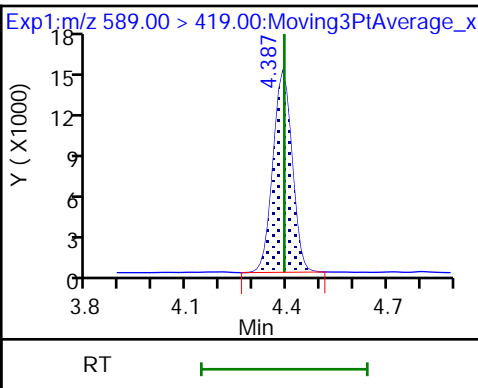
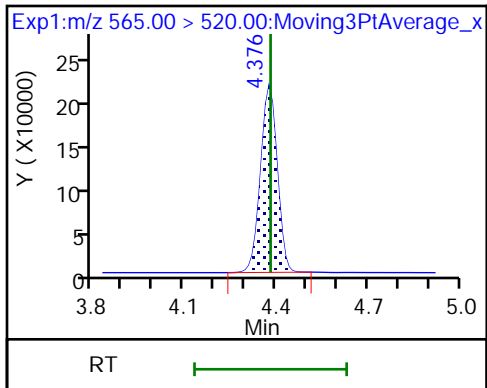
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

D 32 d5-NEtFOSAA

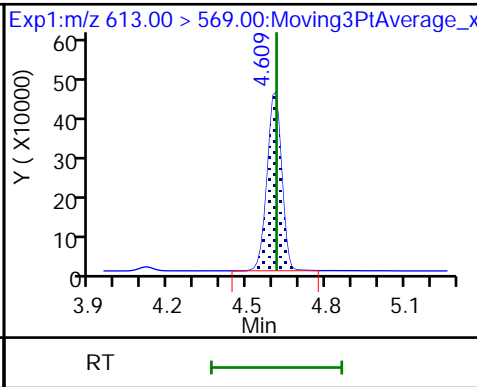
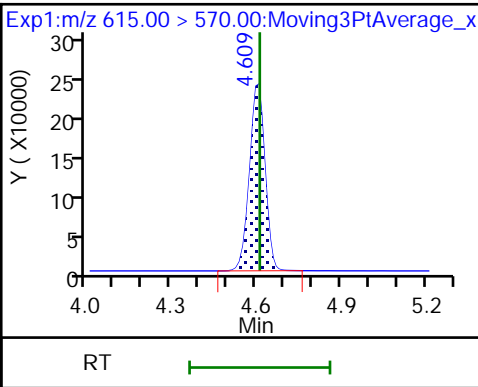
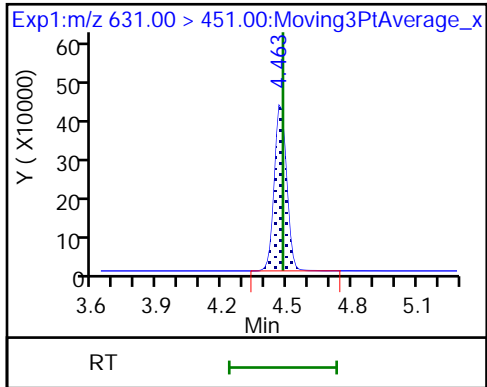
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDaA

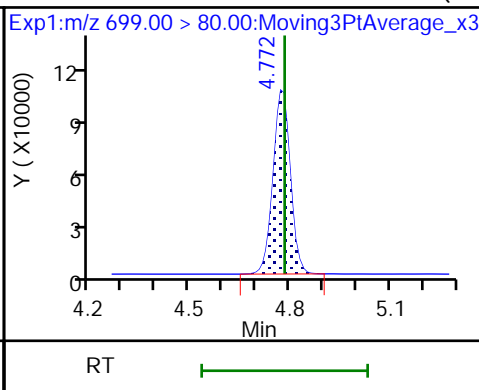
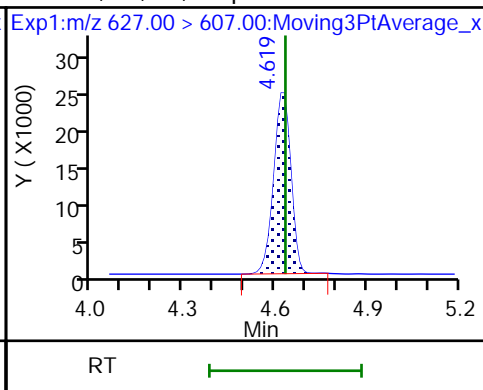
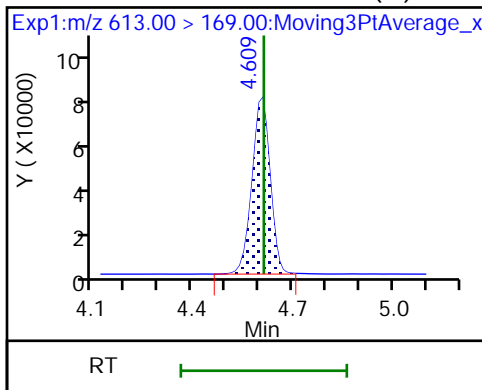
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

74 1H,1H,2H,2H-perfluorododecanesul

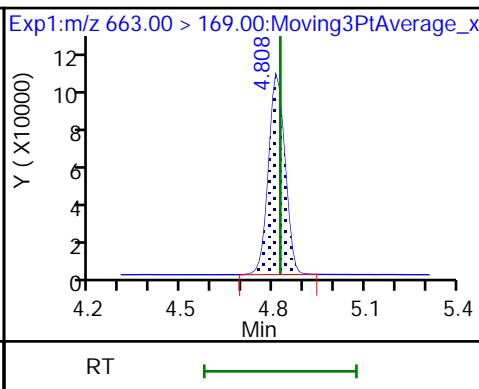
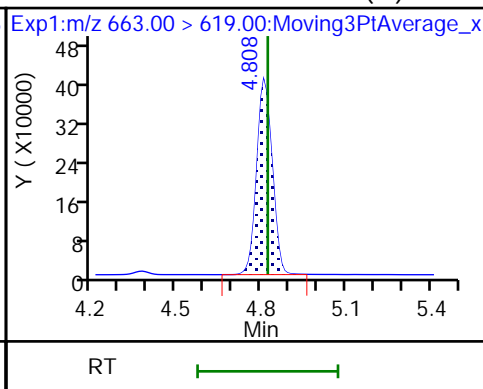
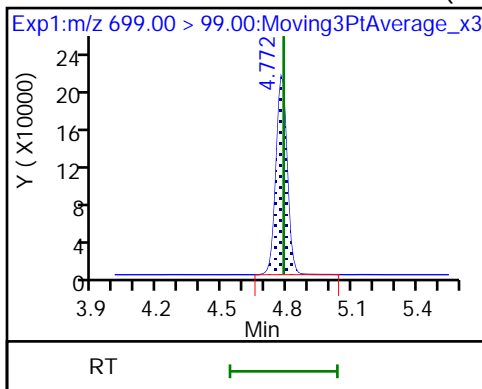
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

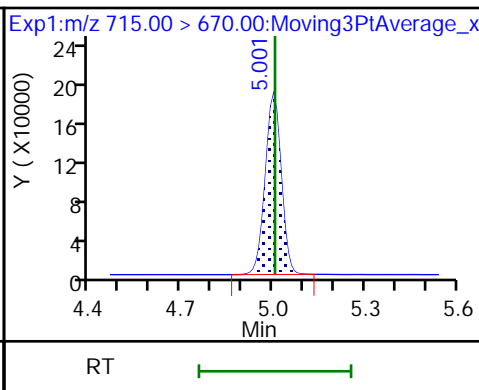
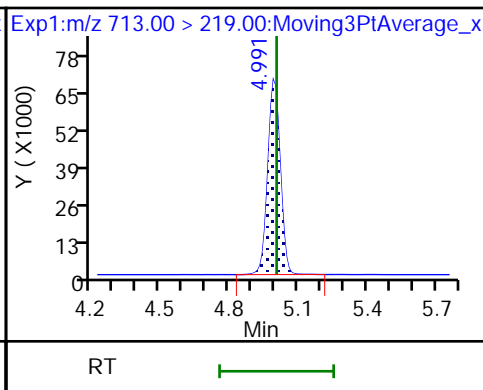
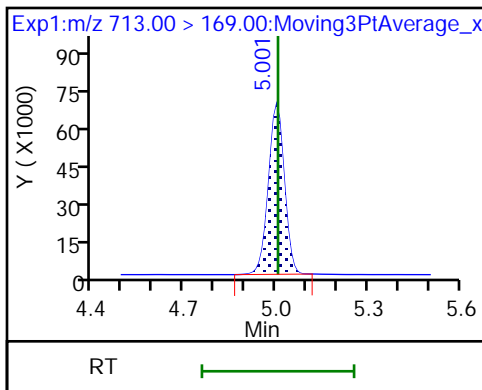
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

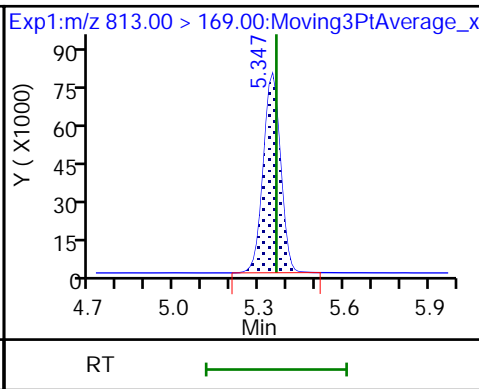
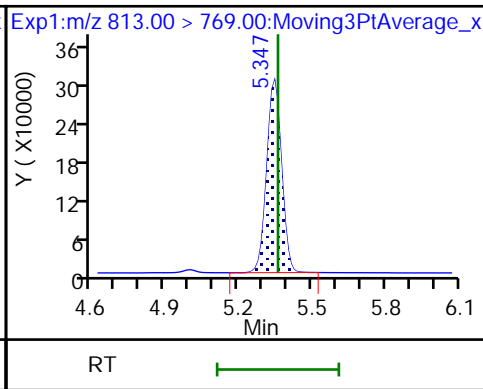
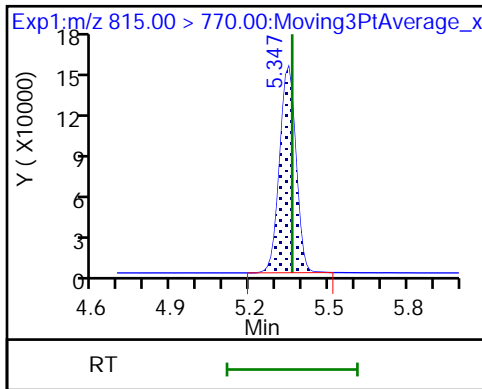
D 43 13C2 PFTeDA



D 44 13C2 PFHxDA

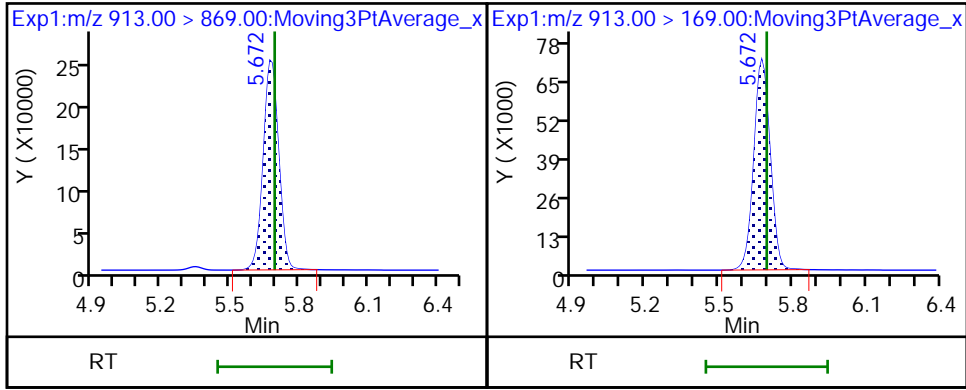
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

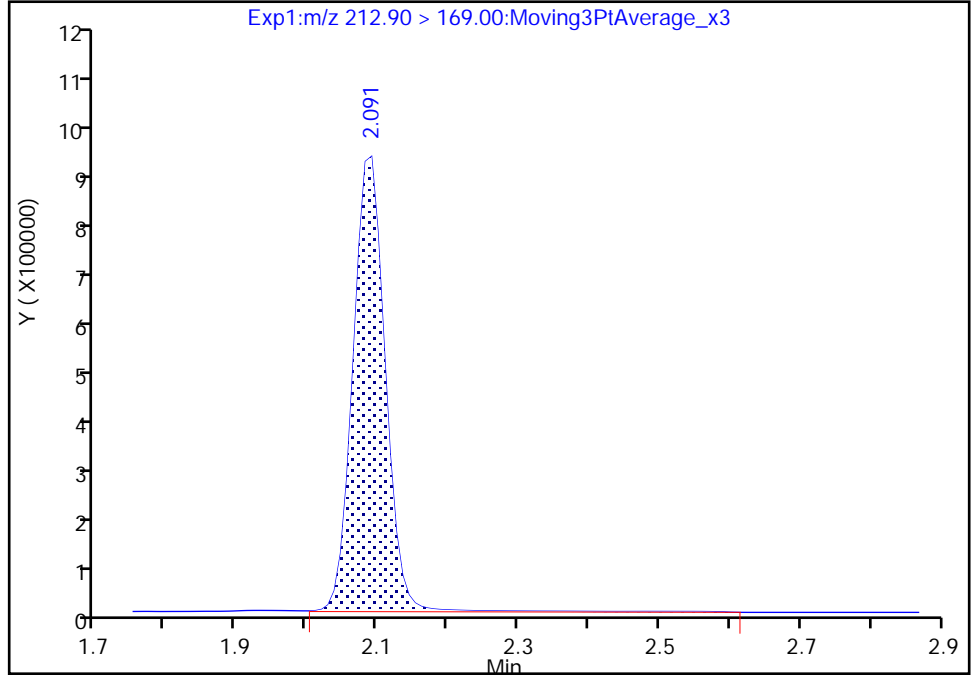
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Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

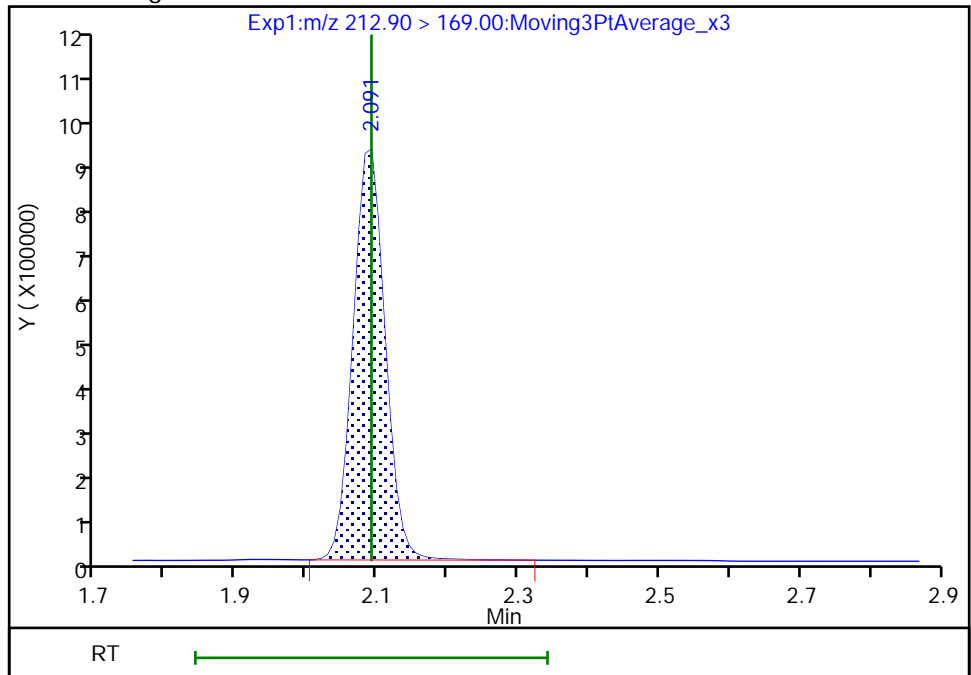
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Area: 2875473  
Amount: 2.382329  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 2826499  
Amount: 2.341754  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:12  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

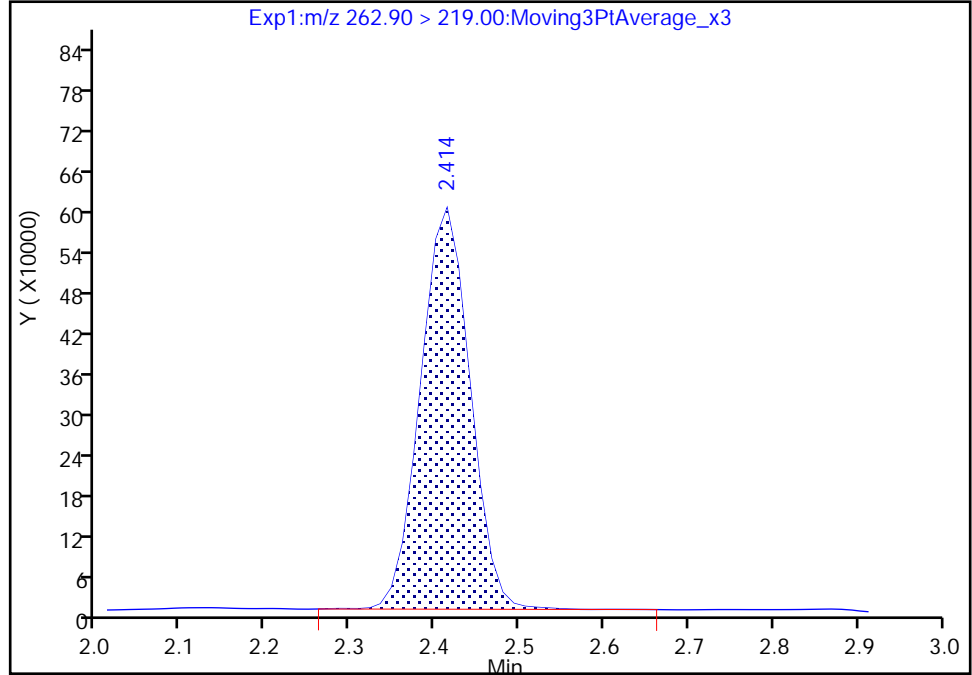
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Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

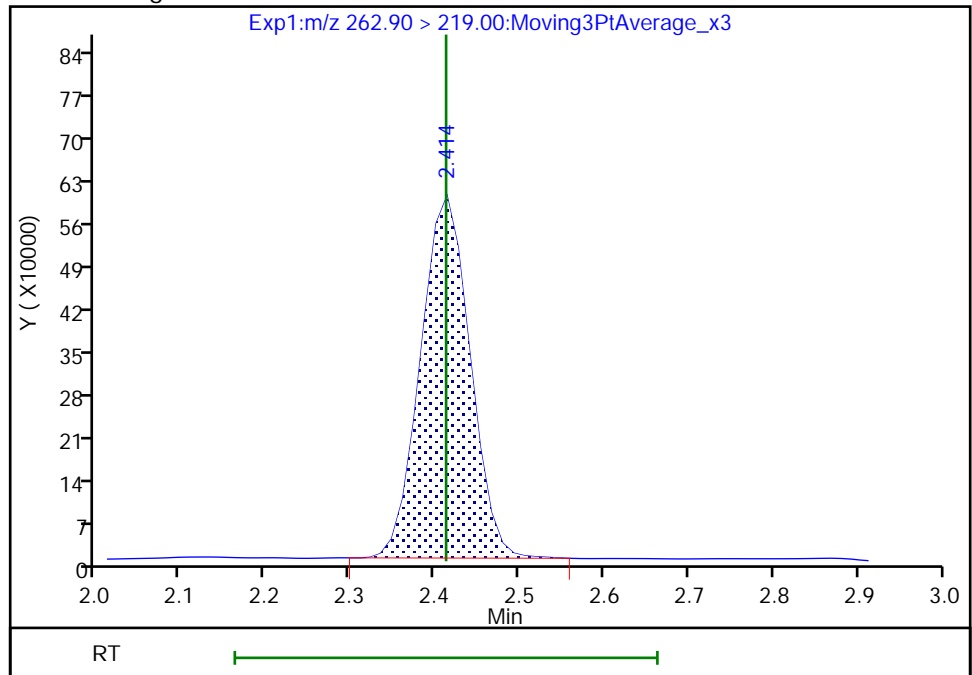
RT: 2.41  
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Amount: 2.393575  
Amount Units: ng/ml

Processing Integration Results



RT: 2.41  
Area: 2416964  
Amount: 2.383009  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:17  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

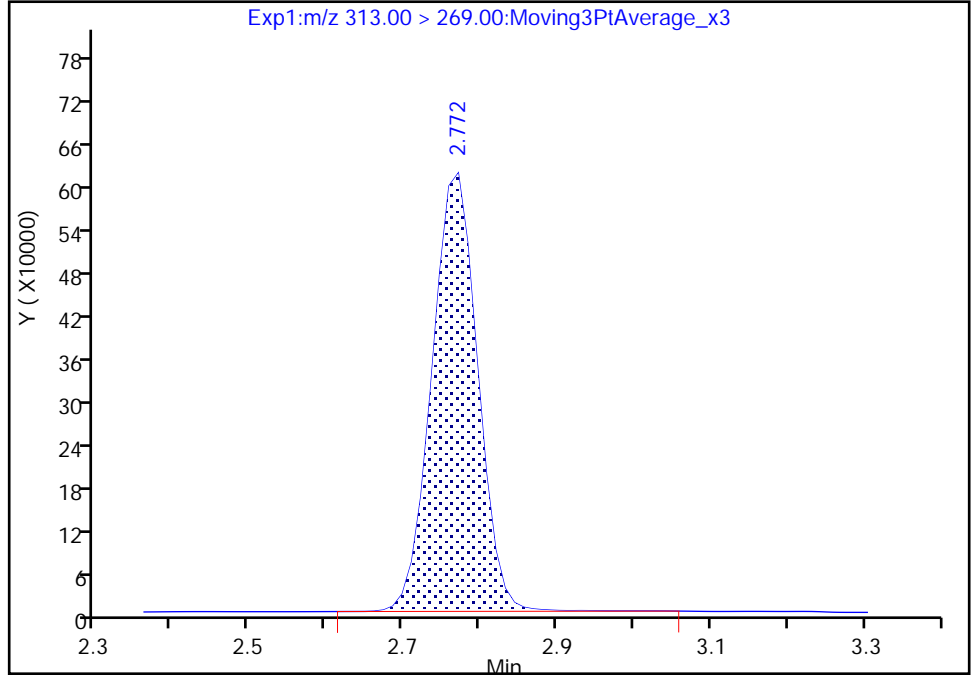
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Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

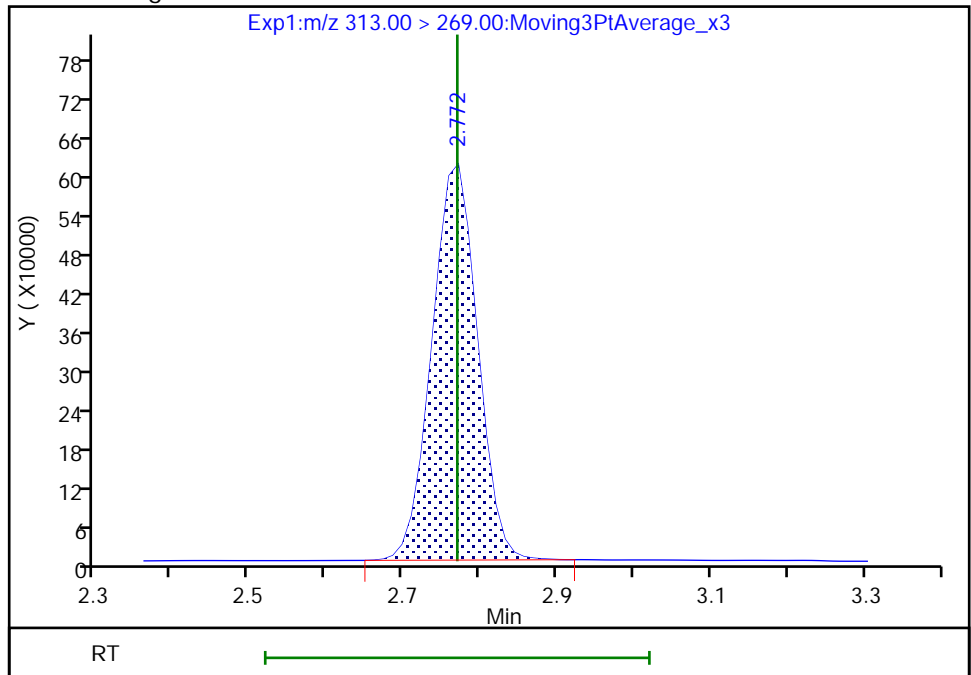
RT: 2.77  
Area: 2538010  
Amount: 2.410293  
Amount Units: ng/ml

Processing Integration Results



RT: 2.77  
Area: 2527688  
Amount: 2.400491  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:28  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

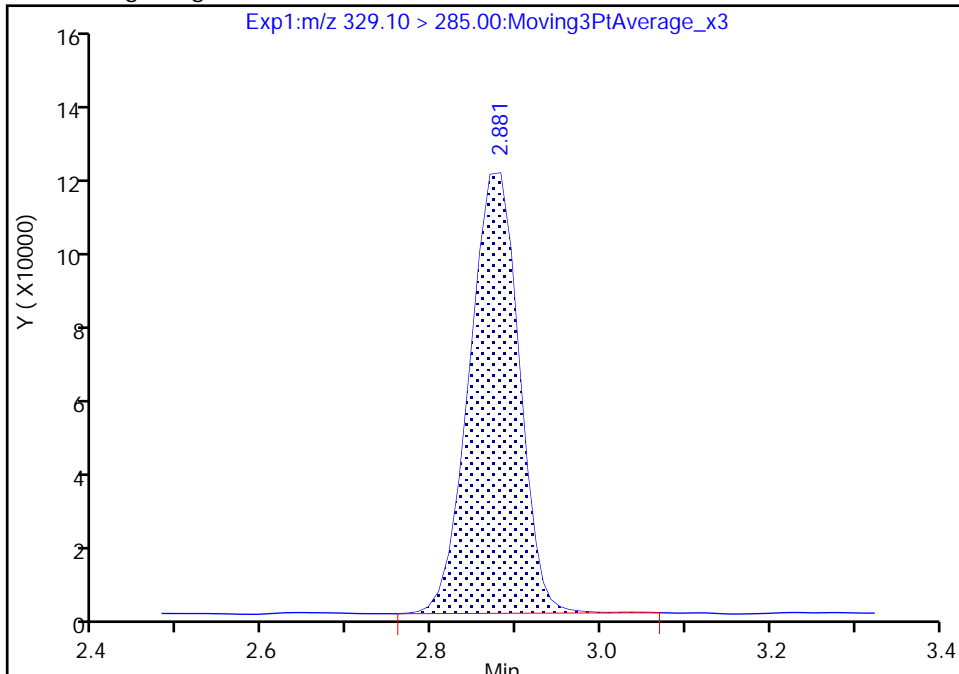
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Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

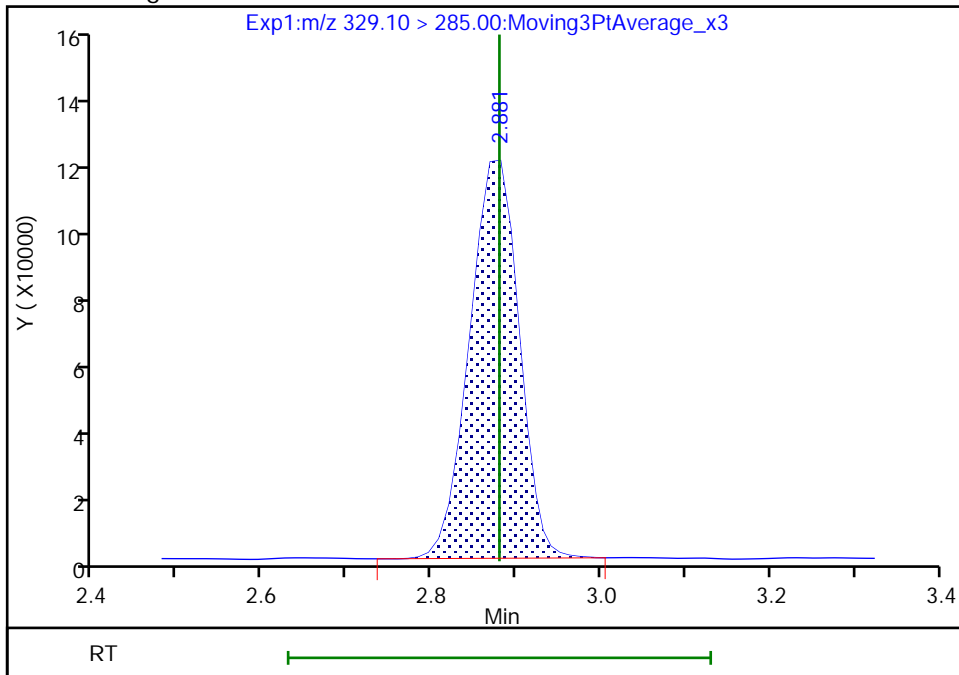
RT: 2.88  
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Amount: 2.527607  
Amount Units: ng/ml

Processing Integration Results



RT: 2.88  
Area: 483183  
Amount: 2.520340  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:35  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

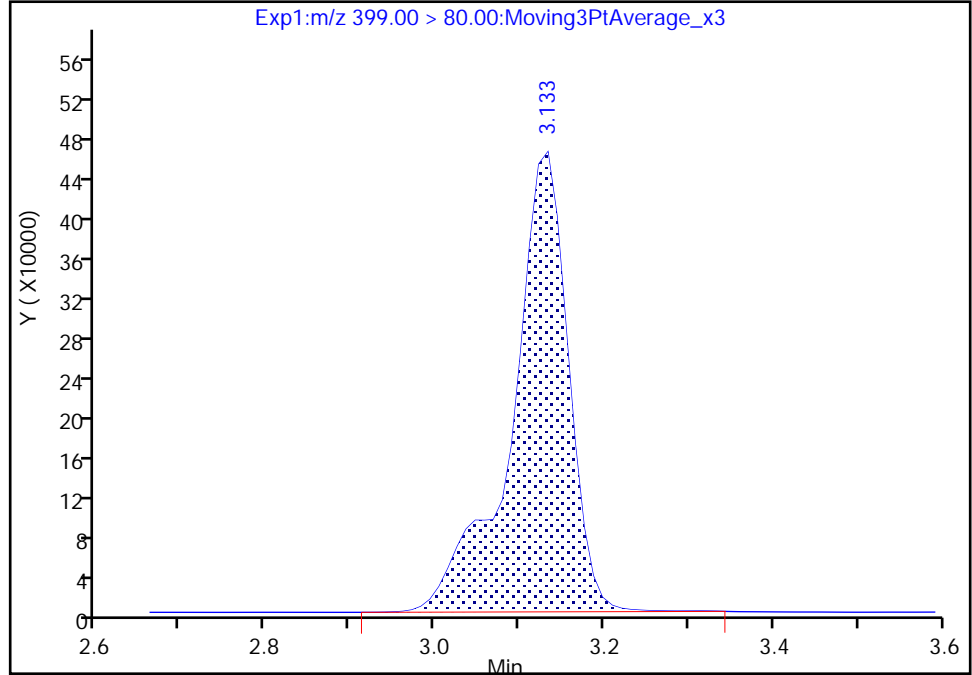
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Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

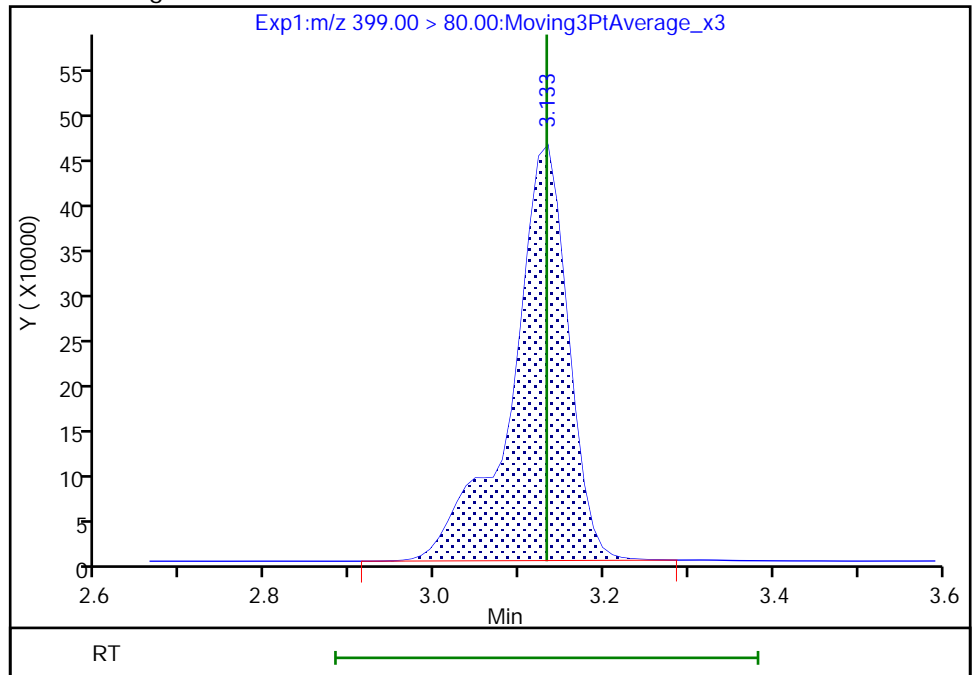
RT: 3.13  
Area: 2164708  
Amount: 2.086986  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
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Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:42  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

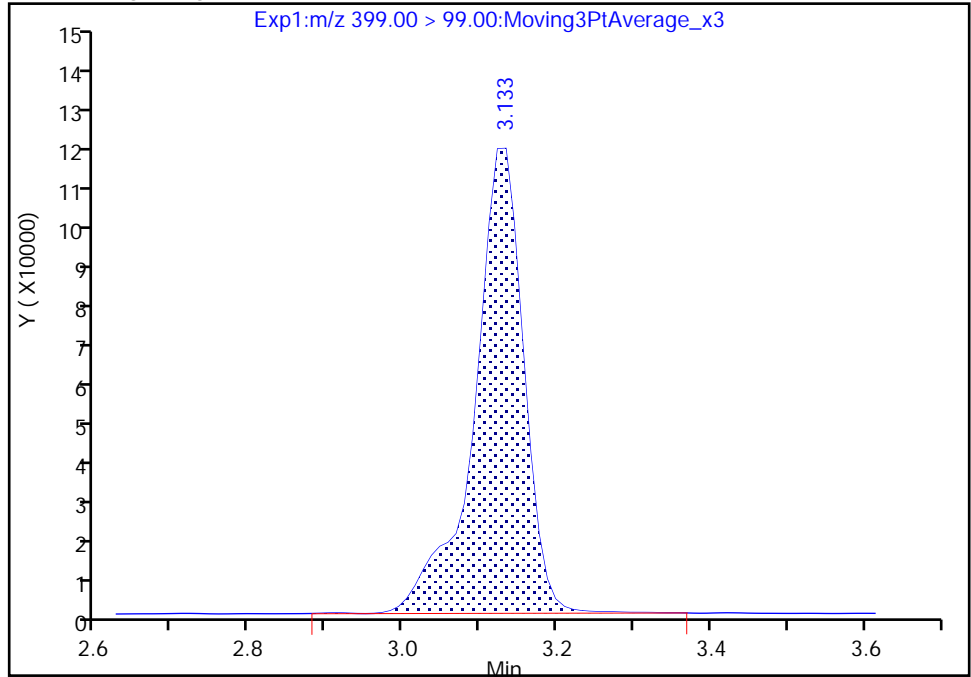
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

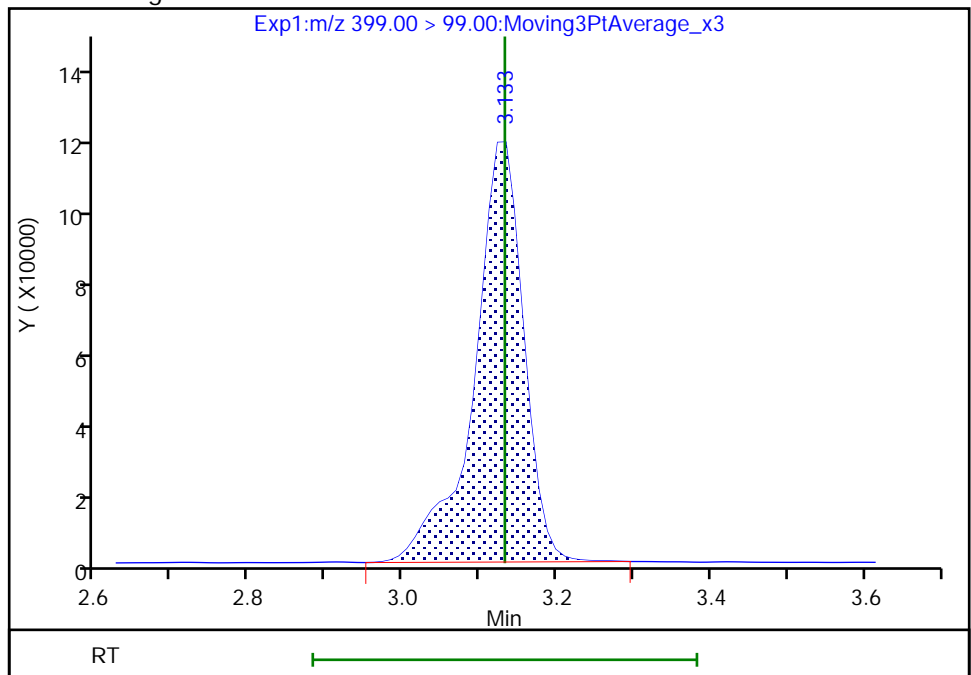
RT: 3.13  
Area: 517099  
Amount: 2.086986  
Amount Units: ng/ml

Processing Integration Results



RT: 3.13  
Area: 514752  
Amount: 2.081357  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

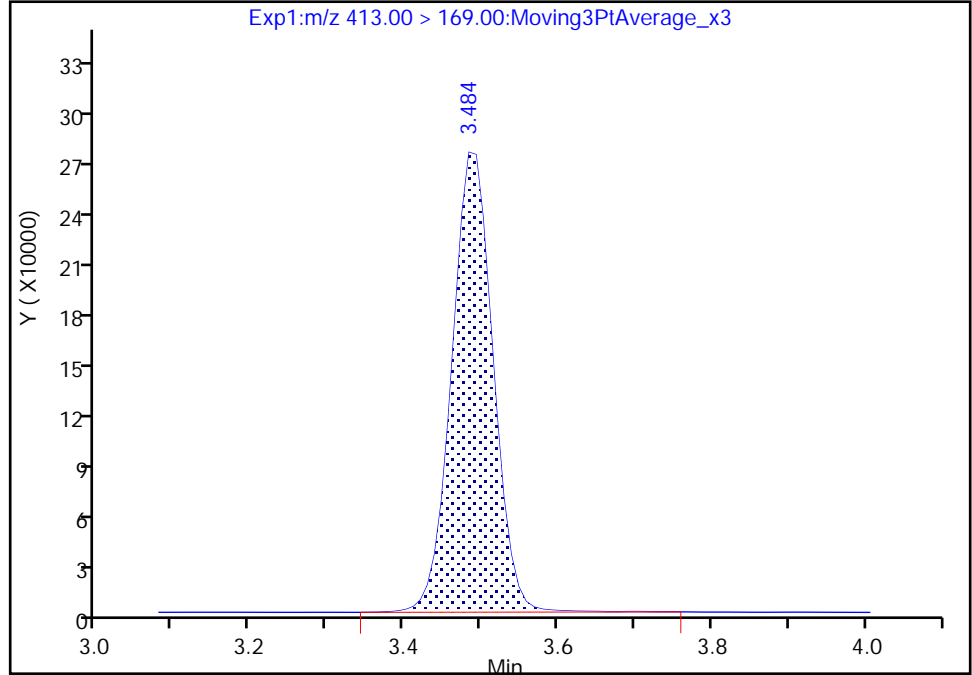
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

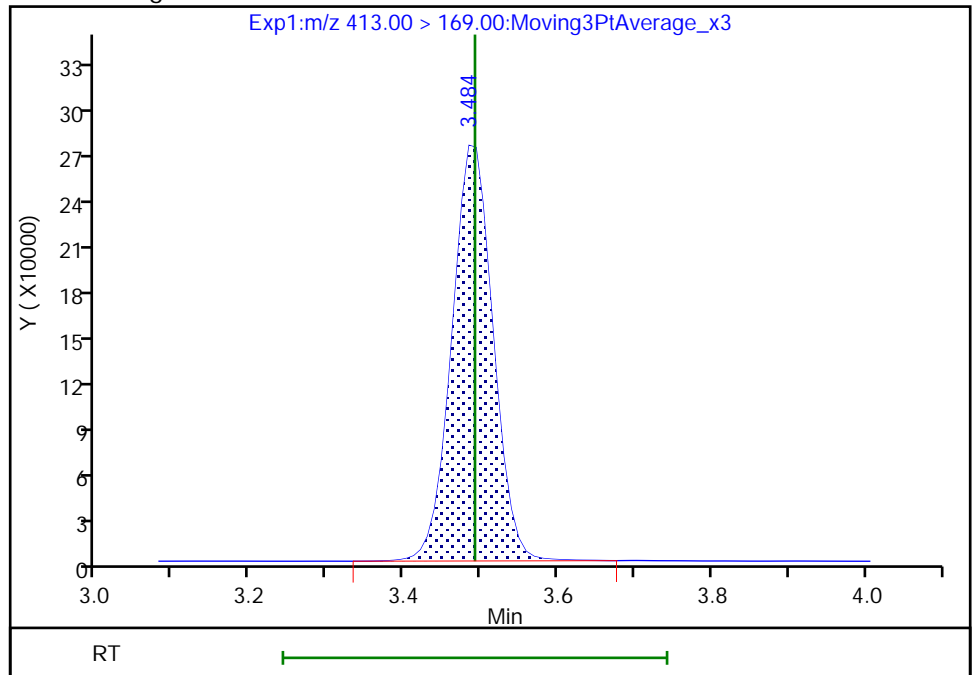
RT: 3.48  
Area: 1014404  
Amount: 2.439821  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 1012276  
Amount: 2.439821  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:01:58  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

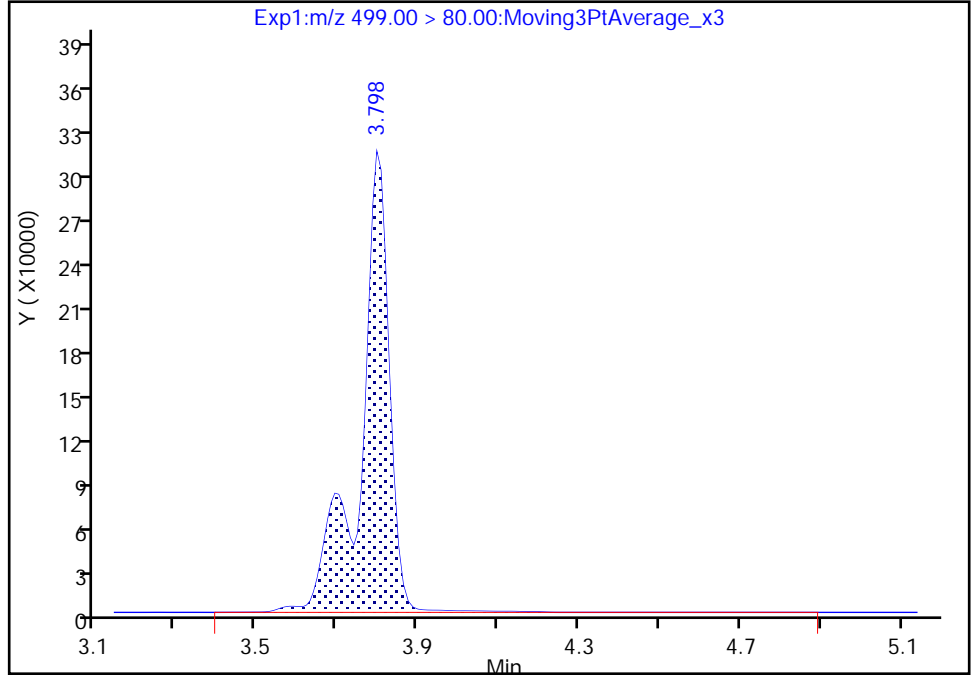
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

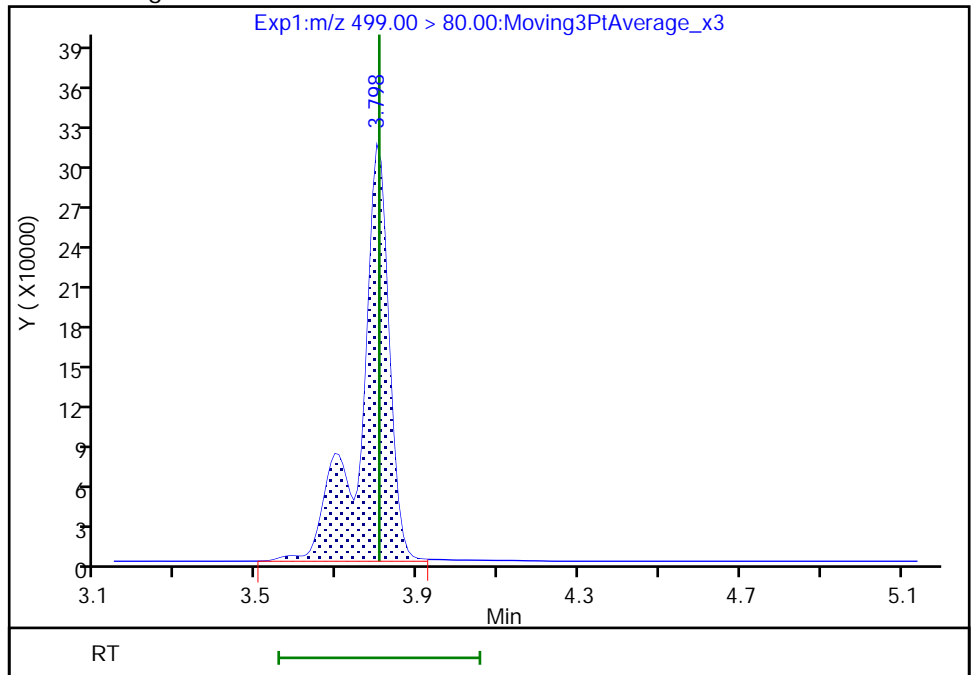
RT: 3.80  
Area: 1562652  
Amount: 2.154102  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 1549457  
Amount: 2.135912  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:05  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

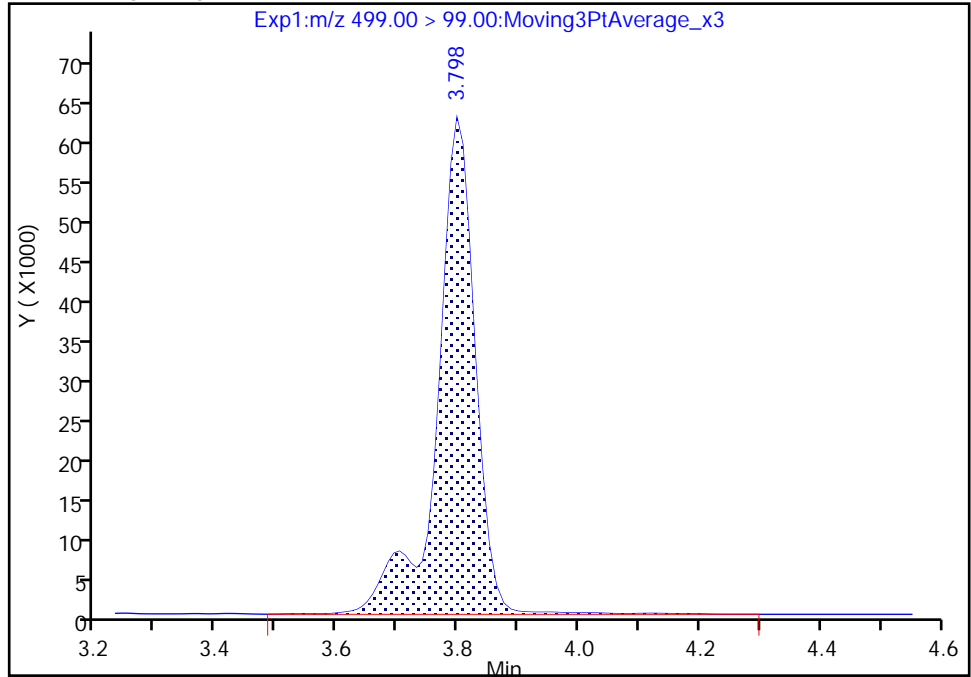
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

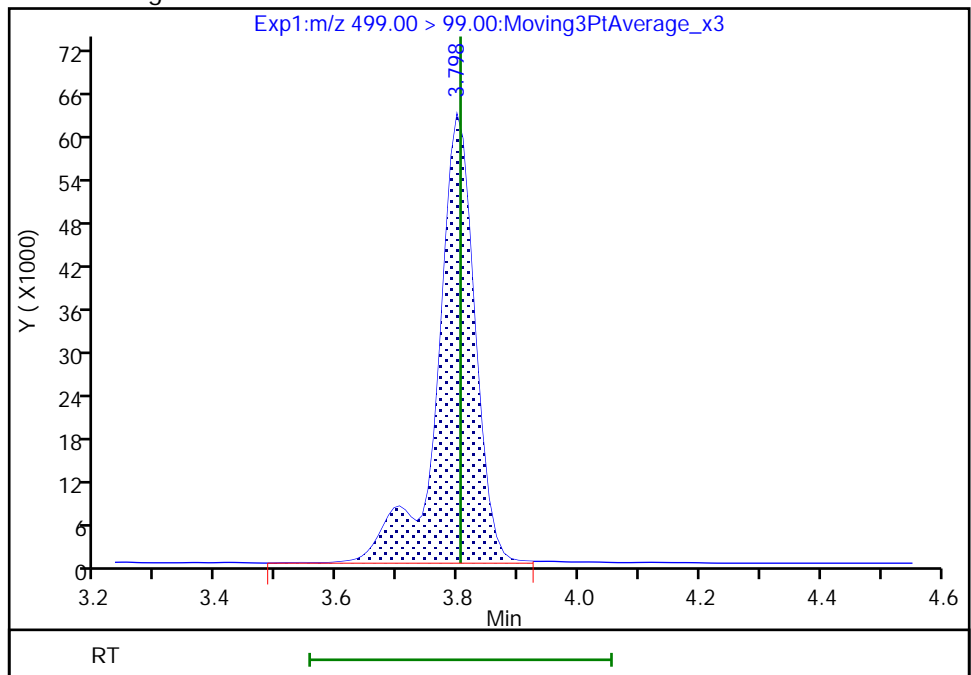
RT: 3.80  
Area: 274212  
Amount: 2.154102  
Amount Units: ng/ml

Processing Integration Results



RT: 3.80  
Area: 271909  
Amount: 2.135912  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

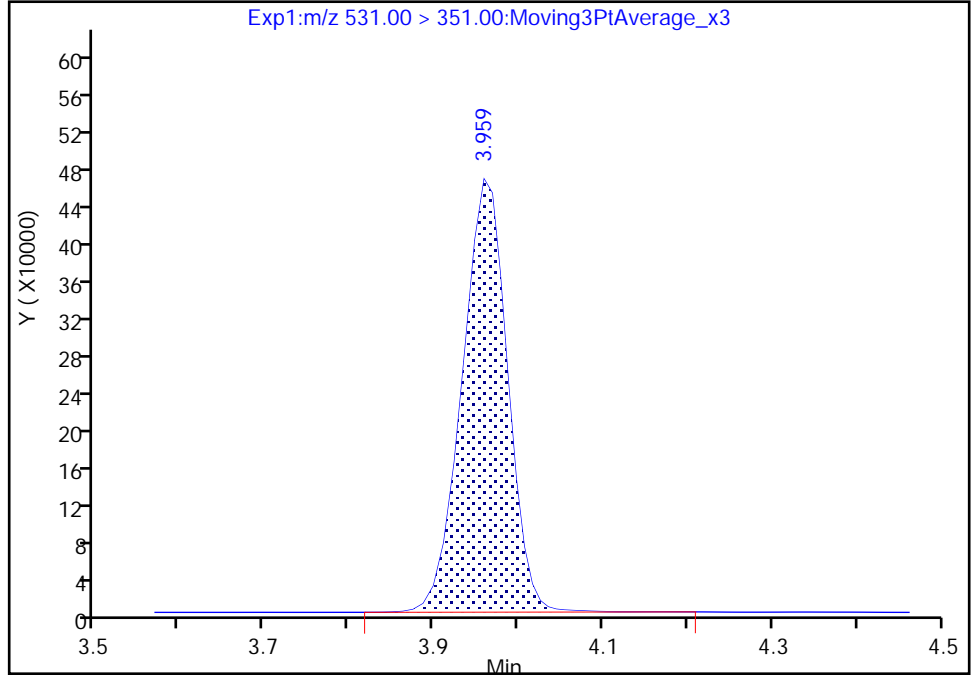
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

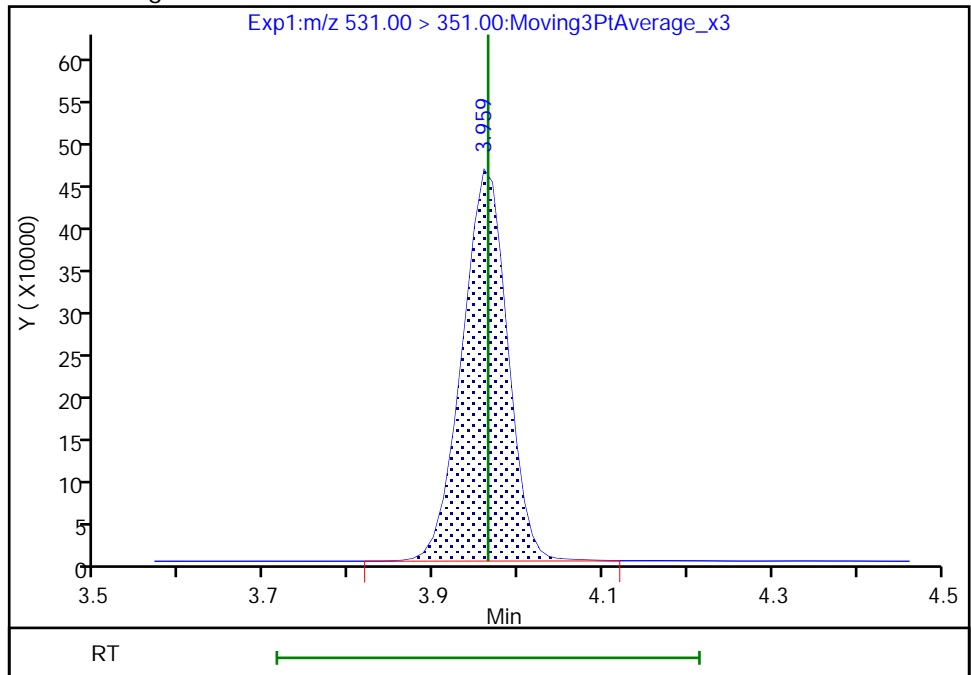
RT: 3.96  
Area: 1731083  
Amount: 2.138752  
Amount Units: ng/ml

Processing Integration Results



RT: 3.96  
Area: 1730381  
Amount: 2.137885  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:24  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

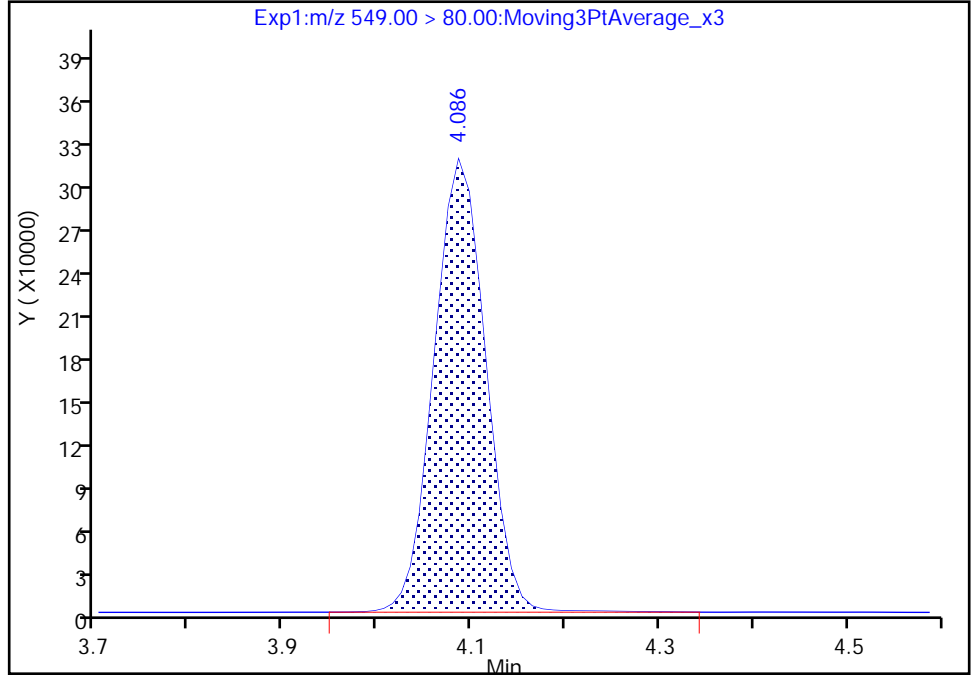
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

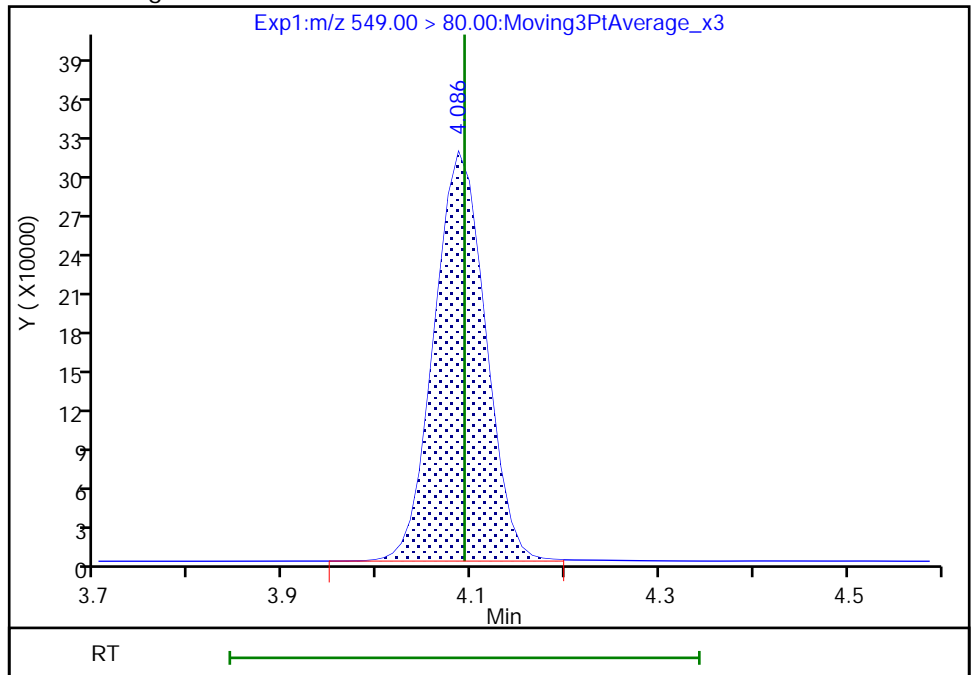
RT: 4.09  
Area: 1212737  
Amount: 2.240705  
Amount Units: ng/ml

Processing Integration Results



RT: 4.09  
Area: 1209117  
Amount: 2.234017  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:28  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

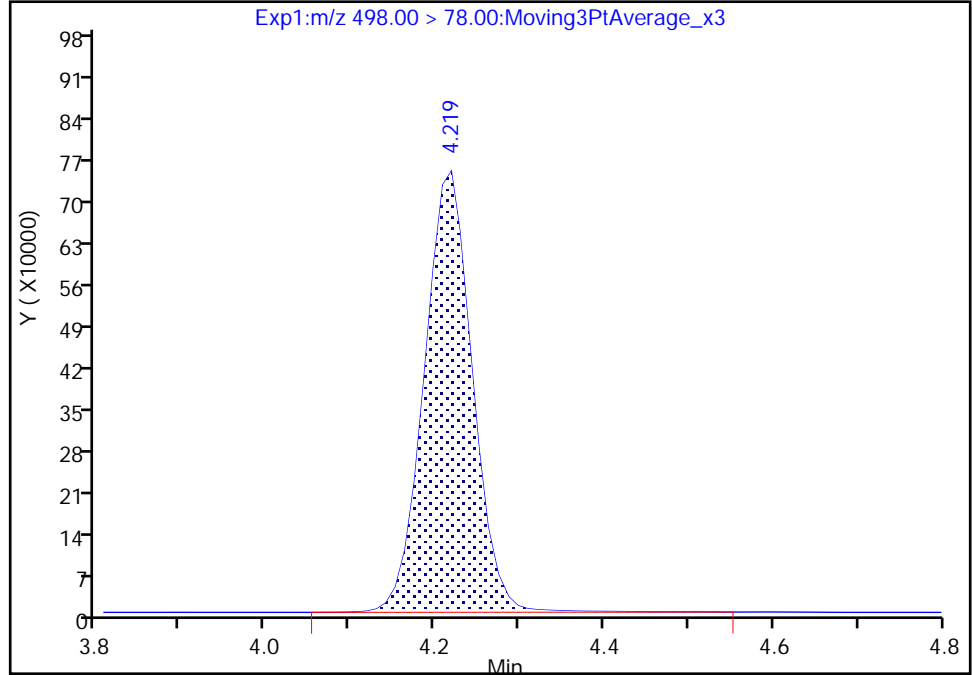
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

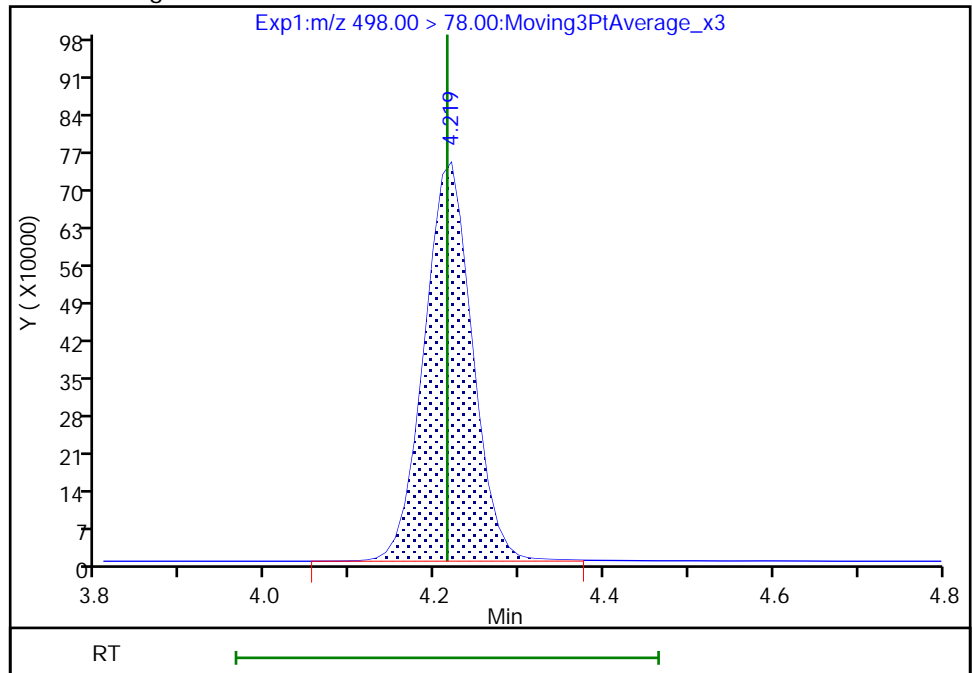
RT: 4.22  
Area: 2939396  
Amount: 2.510251  
Amount Units: ng/ml

Processing Integration Results



RT: 4.22  
Area: 2932677  
Amount: 2.504513  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:34  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



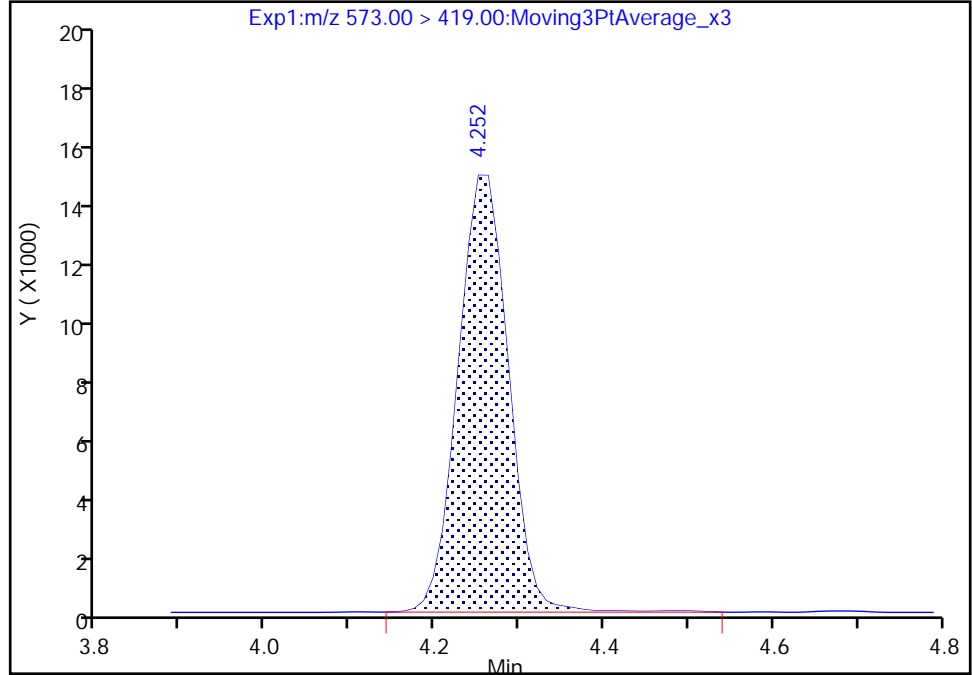
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

**D 27 d3-NMeFOSAA, CAS: STL02118**  
Signal: 1

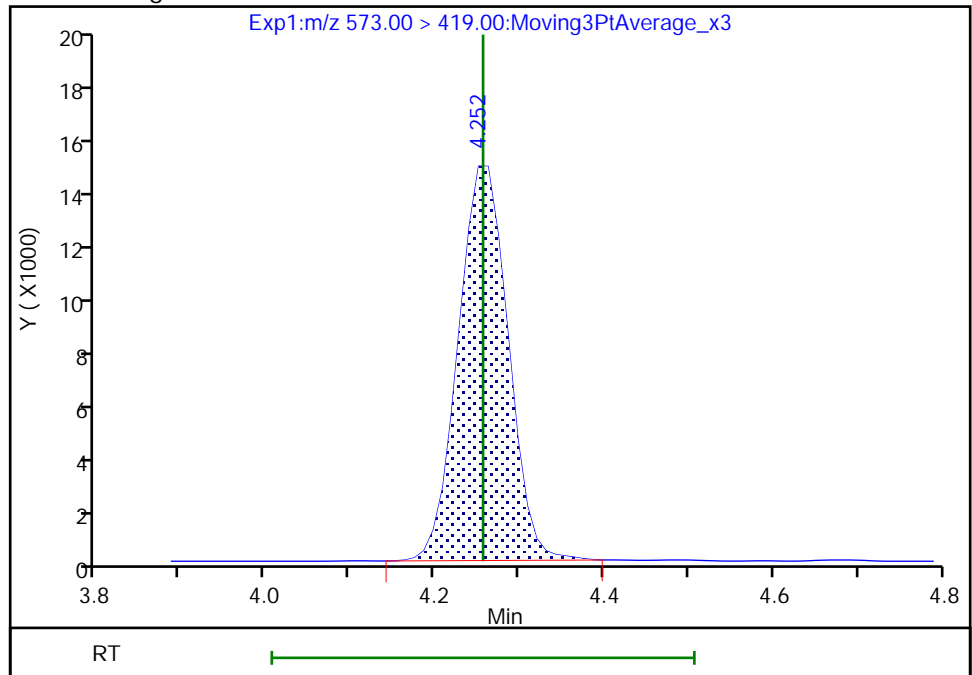
RT: 4.25  
Area: 60453  
Amount: 1.010616  
Amount Units: ng/ml

Processing Integration Results



RT: 4.25  
Area: 59896  
Amount: 1.001305  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:00:59  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

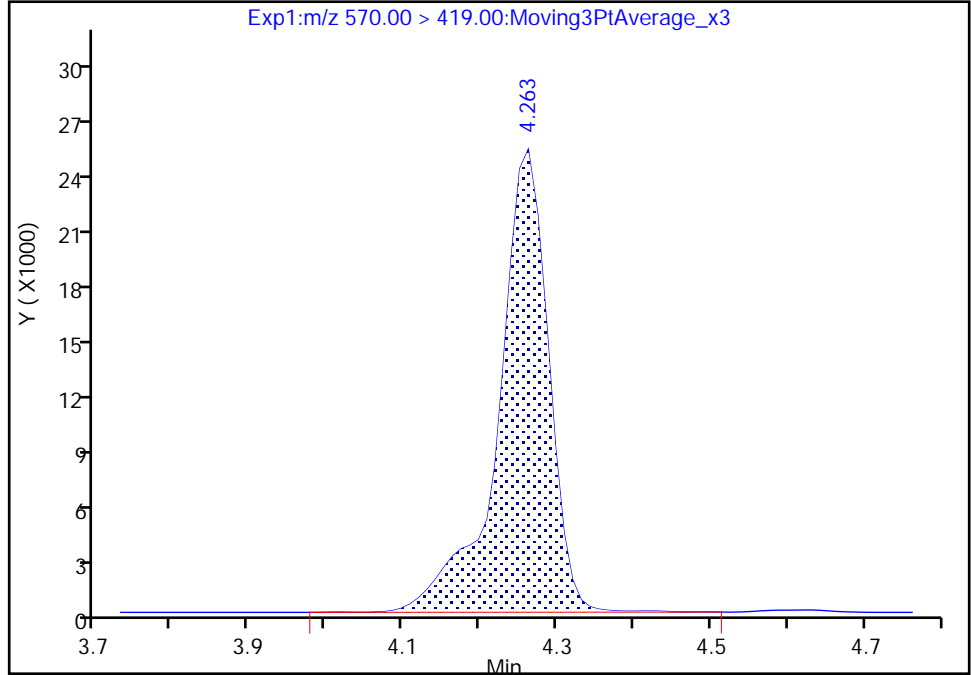
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

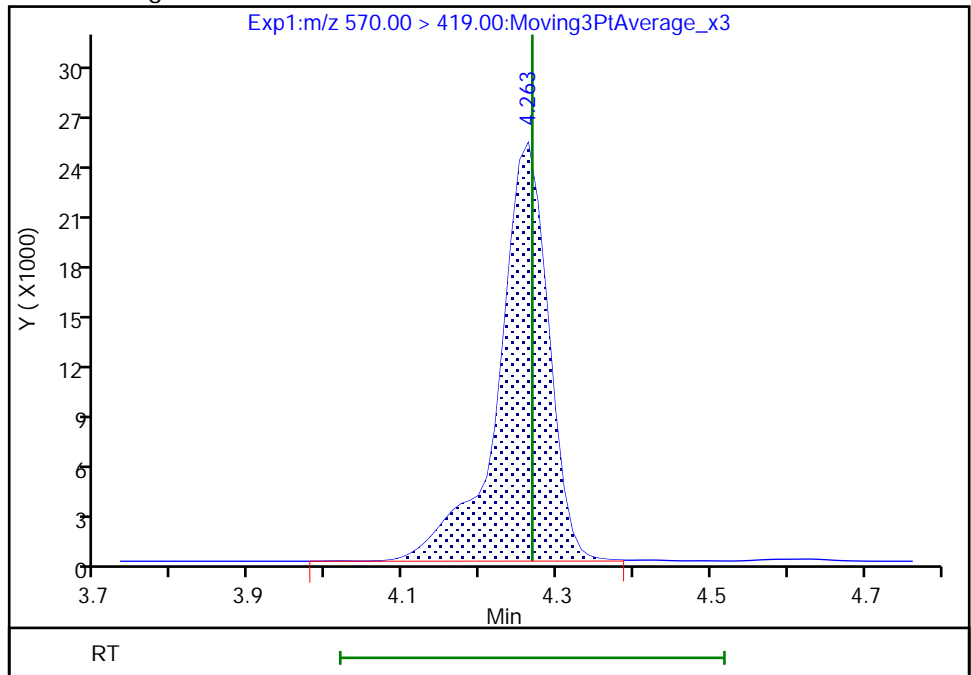
RT: 4.26  
Area: 115107  
Amount: 2.710194  
Amount Units: ng/ml

Processing Integration Results



RT: 4.26  
Area: 114901  
Amount: 2.705343  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:38  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

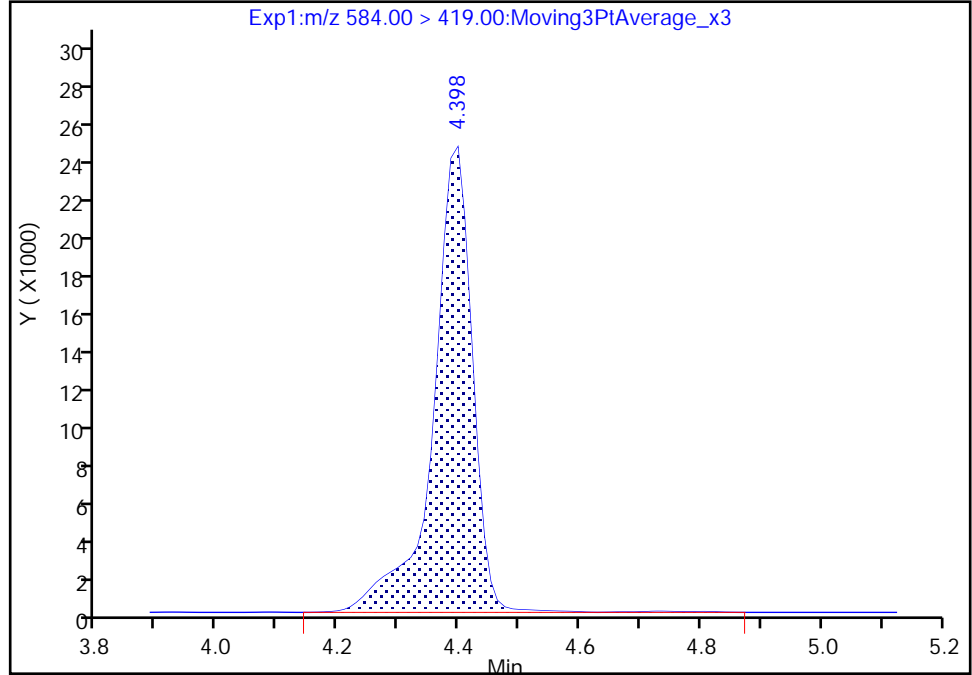
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

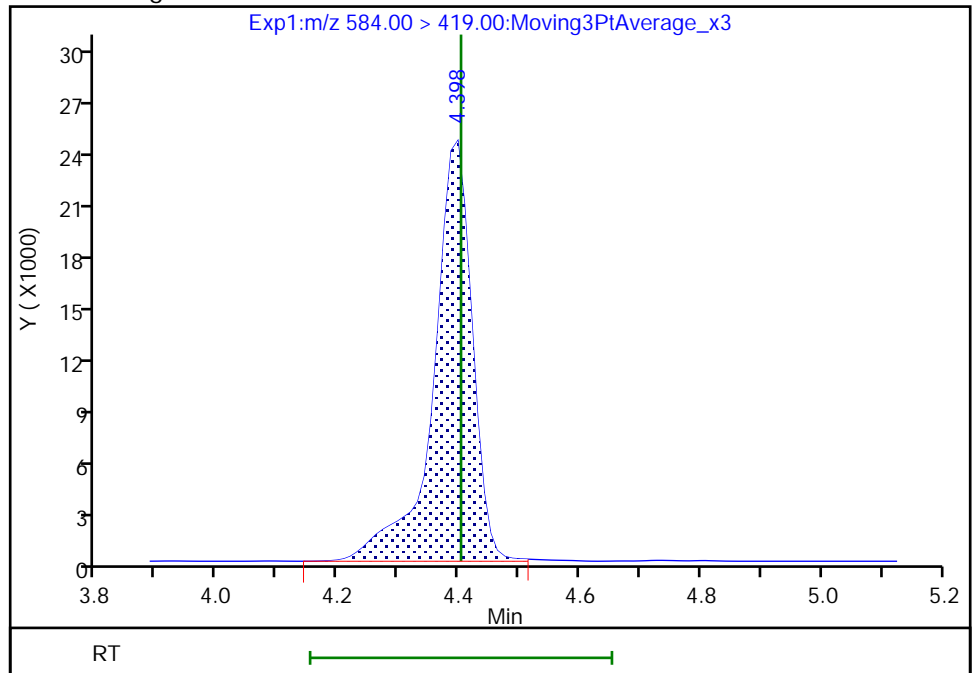
RT: 4.40  
Area: 109009  
Amount: 2.527571  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 108318  
Amount: 2.511549  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:43  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

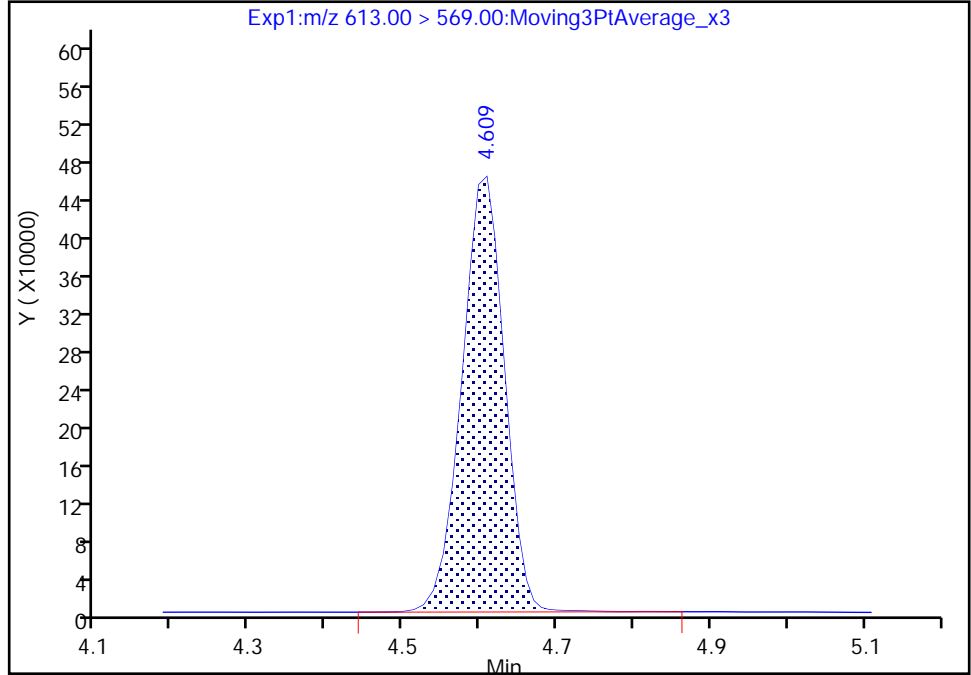
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

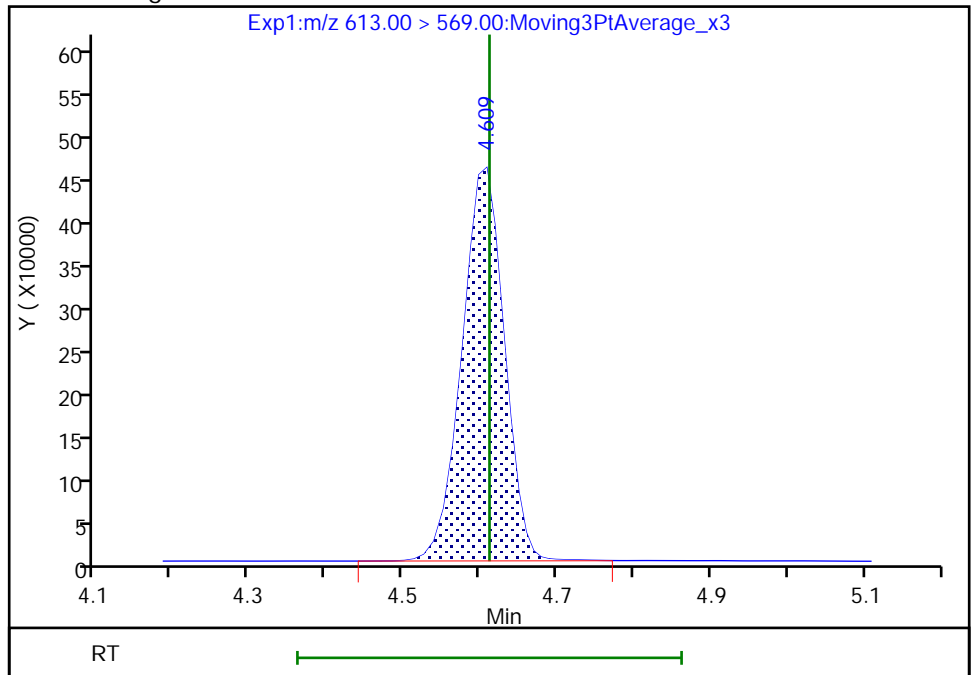
RT: 4.61  
Area: 1753407  
Amount: 2.229957  
Amount Units: ng/ml

Processing Integration Results



RT: 4.61  
Area: 1752709  
Amount: 2.229069  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:52  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

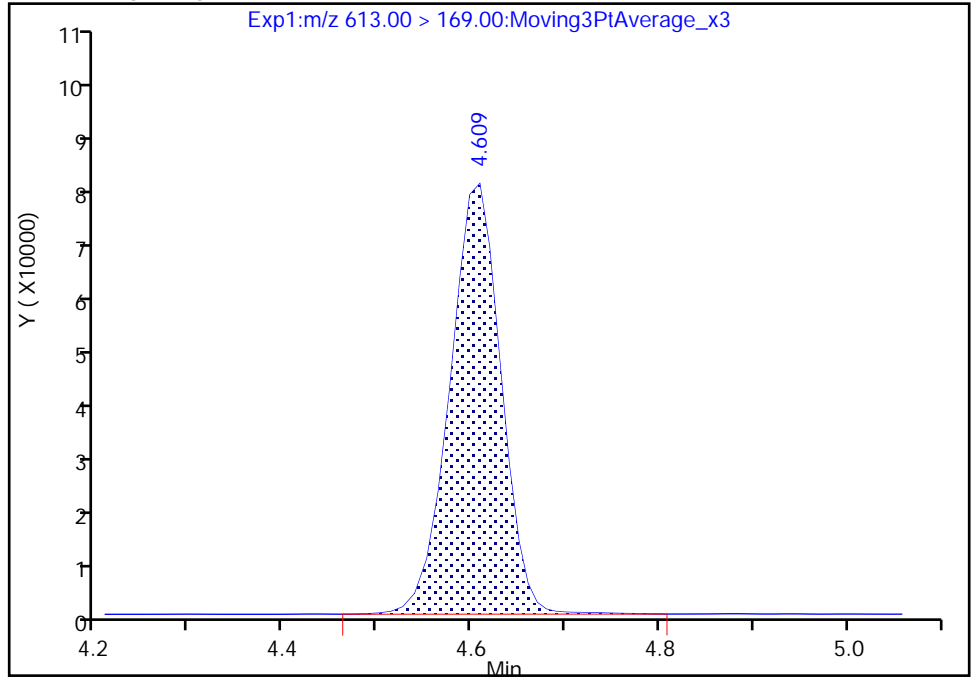
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

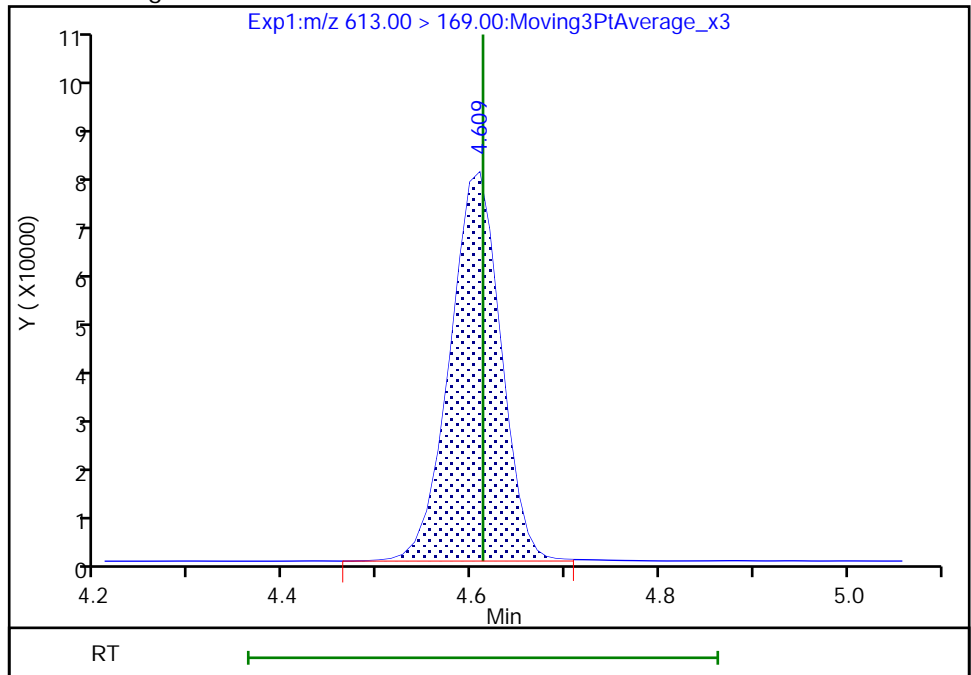
RT: 4.61  
Area: 278652  
Amount: 2.229957  
Amount Units: ng/ml

Processing Integration Results



RT: 4.61  
Area: 277917  
Amount: 2.229069  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:02:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

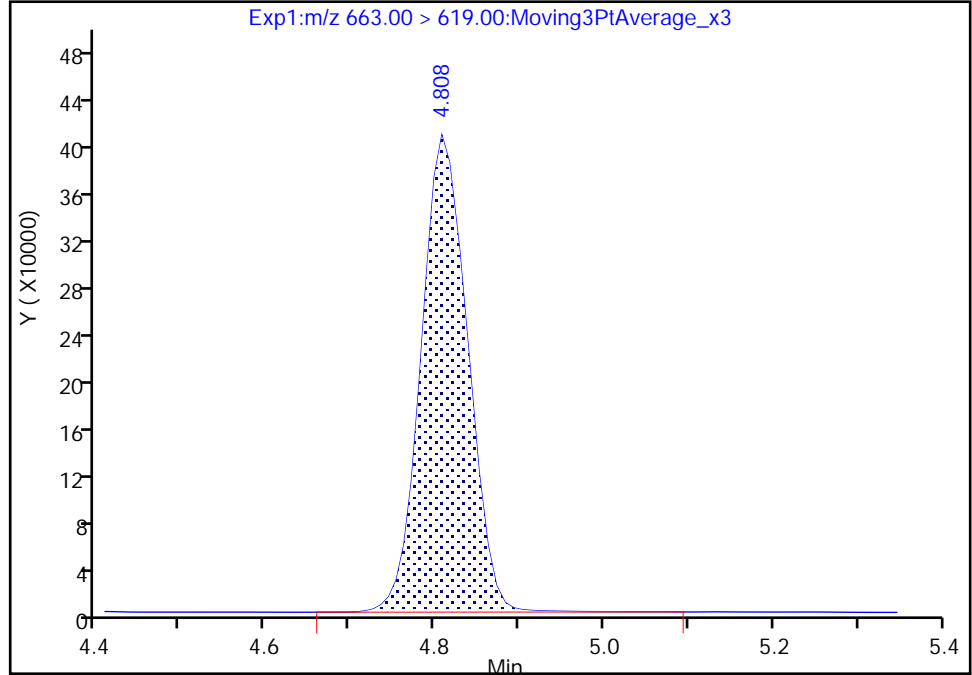
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C14.d  
Injection Date: 21-Jan-2021 22:52:38 Instrument ID: LC812  
Lims ID: CCV L5  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

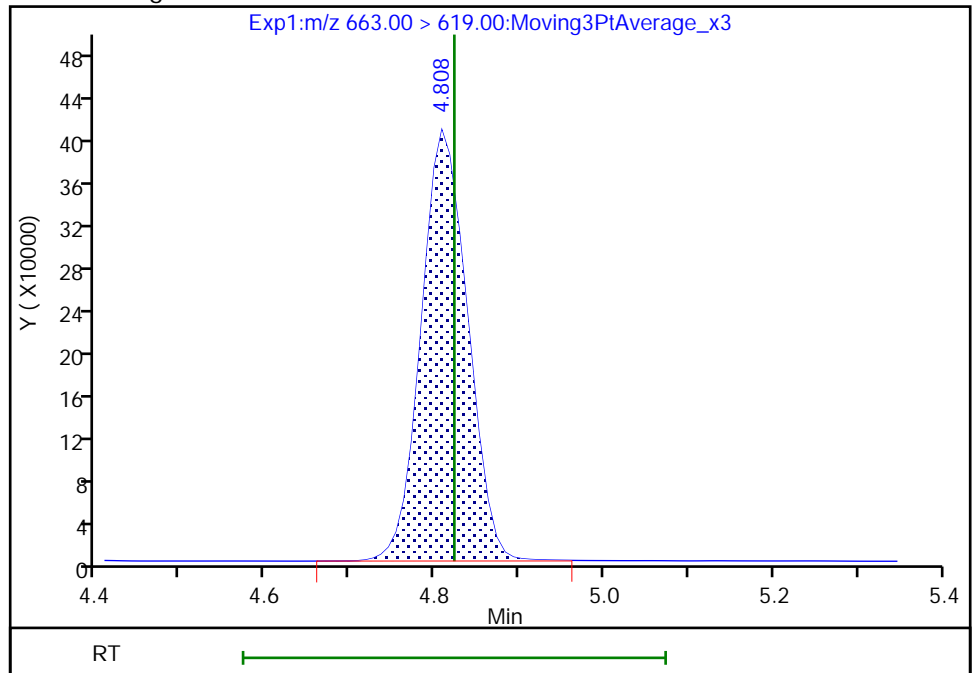
RT: 4.81  
Area: 1557546  
Amount: 2.440838  
Amount Units: ng/ml

Processing Integration Results



RT: 4.81  
Area: 1555578  
Amount: 2.437754  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 12:03:03  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-163122/1-A  
 Matrix: Water Lab File ID: PA210121C02.d  
 Analysis Method: 537 (modified) Date Collected: \_\_\_\_\_  
 Extraction Method: 3535 Date Extracted: 01/21/2021 14:00  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/21/2021 21:13  
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 163183 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.00	U	5.00	1.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	1.08
307-24-4	Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.83
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.46
335-67-1	Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.98
375-95-1	Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.58
335-76-2	Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.73
307-55-1	Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.46
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.00	U	2.00	0.43
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.00	U	2.00	0.59
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.63
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.67
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	2.00	U	2.00	0.39
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.87
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.48
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.00	U	2.00	0.57
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.00	U	5.00	0.79
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.00	U	5.00	0.93
27619-97-2	6:2 FTS	5.00	U	5.00	0.72
39108-34-4	8:2 FTS	2.00	U	2.00	0.66

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-163122/1-A  
 Matrix: Water Lab File ID: PA210121C02.d  
 Analysis Method: 537 (modified) Date Collected: \_\_\_\_\_  
 Extraction Method: 3535 Date Extracted: 01/21/2021 14:00  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/21/2021 21:13  
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 163183 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	76		25-150
STL00992	13C4 PFBA	101		25-150
STL01893	13C5 PFPeA	103		25-150
STL00993	13C2 PFHxA	104		50-150
STL01892	13C4 PFHpA	103		50-150
STL00990	13C4 PFOA	103		50-150
STL00995	13C5 PFNA	102		50-150
STL00996	13C2 PFDA	102		50-150
STL00997	13C2 PFUnA	87		50-150
STL00998	13C2 PFDoA	83		50-150
STL02116	13C2 PFTeDA	81		50-150
STL02337	13C3 PFBS	103		50-150
STL00994	18O2 PFHxS	98		50-150
STL00991	13C4 PFOS	99		50-150
STL02118	d3-NMeFOSAA	91		50-150
STL02117	d5-NEtFOSAA	77		50-150
STL02279	M2-6:2 FTS	100		25-150
STL02280	M2-8:2 FTS	99		25-150



Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
 Lims ID: MB 200-163122/1-A  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 21-Jan-2021 21:13:10 ALS Bottle#: 2 Worklist Smp#: 2  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: MB 200-163122/1-A  
 Misc. Info.: 200-0044534-002 Plate: 1 Rack: 3  
 Operator ID: lc812tech Instrument ID: LC812  
 Method: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 10:38:37 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
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 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614

First Level Reviewer: khanphomeea Date: 22-Jan-2021 11:23:02  
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.598	1322850	1.26	101	7301	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	19638	0.0185		4.0		M
D 3 13C5 PFPeA	267.90 > 223.00	2.414	2.413	0.001	0.693	979691	1.29	103	3055	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.414	2.413	0.001	1.000	5306	0.006114		0.3		M
D 47 13C3 PFBS	301.90 > 80.00	2.427	2.426	0.001	0.697	1193221	1.19	103	205682	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.427	2.439	-0.012	1.000	8180	0.007044	Target=2.21	18.4		M
298.90 > 99.00	2.427	2.439	-0.012	1.000	3236		2.53(1.11-3.32)	3.1		
D 60 M2-4:2 FTS	329.00 > 81.00	2.735	2.734	0.001	0.785	95606	1.15	98.3	105	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.723	2.734	-0.011	0.996	508	0.003383		16.4		M
D 7 13C2 PFHxA	315.00 > 270.00	2.771	2.770	0.001	0.795	1031664	1.30	104	2083	
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.759	2.770	-0.011	0.996	3145	0.003488	Target=12.83	0.6		RM
313.00 > 119.00	2.796	2.770	0.026	1.009	645		4.88(6.42-19.25)	0.8		M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.771	2.770	0.001	0.888	1165	0.001223	Target=3.35	5.0		M
349.00 > 99.00	2.771	2.770	0.001	0.888	408		2.86(1.67-5.02)	1.7		M
D 64 13C3 HFPO-DA	332.10 > 287.00	2.881	2.880	0.001	0.827	134487	0.9601	76.8	889	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 11 18O2 PFHxS										
403.00 > 84.00	3.122	3.132	-0.010	0.896	858319	1.15		97.6	2075	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.132	0.001	1.003	4090	0.004781	Target=4.15		18.9	M
399.00 > 99.00	3.133	3.132	0.001	1.003	1074		3.81(2.08-6.23)		1.4	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.132	0.001	0.899	979598	1.29		103	3941	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.133	3.132	0.001	1.000	1088	0.001271	Target=3.66		0.4	M
363.00 > 169.00	3.133	3.132	0.001	1.000	327		3.33(1.83-5.49)		1.9	M
77 DONA										M
377.00 > 251.00	3.165	3.175	-0.010	0.834	2923	0.001727	Target=2.43		4.7	
377.00 > 85.00	3.165	3.175	-0.010	0.834	1548		1.89(1.22-3.65)		2.9	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.475	3.483	-0.008	0.915	1011	0.001482	Target=5.95		10.0	M
449.00 > 99.00	3.457	3.483	-0.026	0.911	227		4.45(2.98-8.93)		1.8	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.475	3.483	-0.008	0.997	110591	1.19		100	496	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.475	3.483	-0.008	1.000	251	0.002423			3.1	M
D 14 13C4 PFOA										
417.00 > 372.00	3.484	3.492	-0.008	1.000	996660	1.29		103	1927	
* 62 13C2 PFOA										
415.00 > 370.00	3.484	3.492	-0.008		977207	1.25			1972	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.484	3.492	-0.008	1.000	3073	0.003556	Target=2.58		0.6	M
413.00 > 169.00	3.475	3.492	-0.017	0.997	866		3.55(1.29-3.87)		2.9	M
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.796	3.804	-0.008	1.000	2513	0.004323	Target=5.65		2.8	RM
499.00 > 99.00	3.590	3.804	-0.214	0.946	3361		0.75(2.82-8.47)		5.7	M
D 18 13C4 PFOS										
503.00 > 80.00	3.796	3.804	-0.008	1.090	603977	1.18		99.0	1836	
D 19 13C5 PFNA										
468.00 > 423.00	3.816	3.824	-0.008	1.095	867143	1.27		102	1905	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.957	3.964	-0.007	1.043	503	0.000776			4.5	M
D 23 13C2 PFDA										
515.00 > 470.00	4.118	4.126	-0.008	1.182	830490	1.27		102	3966	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.118	4.126	-0.008	1.000	1634	0.002387	Target=9.29		1.6	M
513.00 > 169.00	4.118	4.126	-0.008	1.000	146		11.19(4.64-13.93)		1.4	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.118	4.126	-0.008	1.182	113420	1.18		98.9	402	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.118	4.126	-0.008	1.000	175	0.002717			4.3	M
D 21 13C8 FOSA										
506.00 > 78.00	4.217	4.214	0.003	1.210	914431	0.9534		76.3	1616	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.217	4.214	0.003	1.000	2345	0.003199			16.8	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.260	4.257	0.003	1.223	53785	1.14		90.9	900	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.268	0.004	1.003	214	0.005611			1.4	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.350	4.359	-0.009	1.146	296	0.000856	Target=2.80		2.9	M
599.00 > 99.00	4.372	4.359	0.013	1.152	161		1.84(1.40-4.19)		1.4	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.372	4.381	-0.009	1.000	1351	0.002854	Target=8.12		0.8	M
563.00 > 169.00	4.372	4.381	-0.009	1.000	275		4.91(4.06-12.18)		3.6	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.372	4.381	-0.009	1.255	580297	1.08		86.6	3208	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.384	4.392	-0.008	1.258	43774	0.9568		76.5	461	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.427	4.403	0.024	1.010	194	0.005984			3.7	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.472	4.480	-0.008	1.178	820	0.001219			20.7	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.606	4.612	-0.006	1.322	585699	1.04		82.8	3120	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.595	4.612	-0.017	0.998	1438	0.002790	Target=6.91		0.6	
613.00 > 169.00	4.616	4.612	0.004	1.002	209		6.88(3.45-10.36)		4.9	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.797	4.784	0.013	1.264	146	0.001148	Target=0.51		2.9	M
699.00 > 99.00	4.779	4.784	-0.005	1.259	410		0.36(0.26-0.77)		2.6	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.806	4.823	-0.017	1.043	473	0.001131	Target=4.39		0.3	M
663.00 > 169.00	4.806	4.823	-0.017	1.043	207		2.29(2.20-6.59)		2.7	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.008	5.005	0.003	1.002	207	0.003311	Target=1.06		6.3	RM
713.00 > 219.00	4.998	5.005	-0.007	1.000	106		1.95(0.53-1.59)		4.5	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.998	5.005	-0.007	1.435	421412	1.01		80.6	2460	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.340	5.361	-0.021	1.533	443862	0.99		79.4	1739	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.352	5.361	-0.009	1.002	3882	-0.003516	Target=3.84		2.3	
813.00 > 169.00	5.340	5.361	-0.021	1.000	1124		3.45(1.92-5.76)		42.3	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.676	5.692	-0.016	1.063	980	0.003067	Target=3.92		1.1	
913.00 > 169.00	5.676	5.692	-0.016	1.063	289		3.39(1.96-5.88)		11.0	M

**QC Flag Legend**

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d

Injection Date: 21-Jan-2021 21:13:10

Instrument ID: LC812

Lims ID: MB 200-163122/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

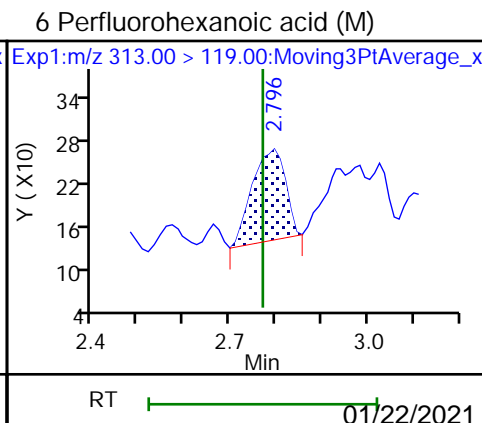
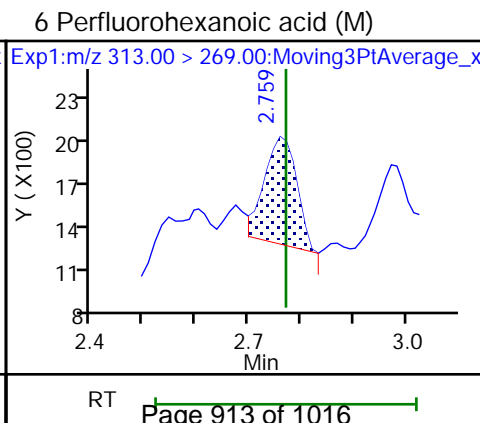
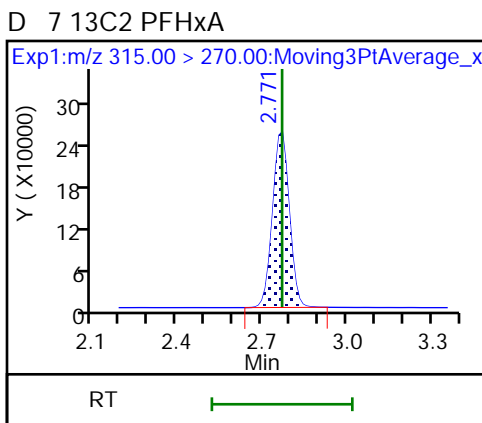
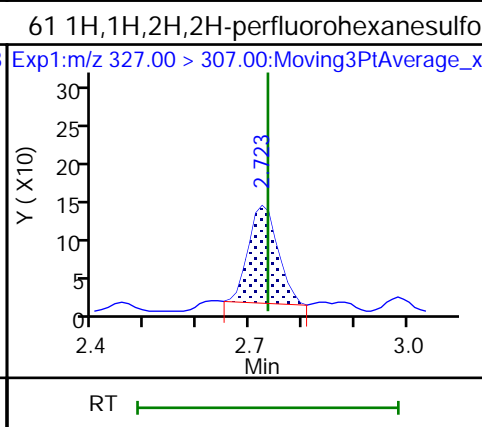
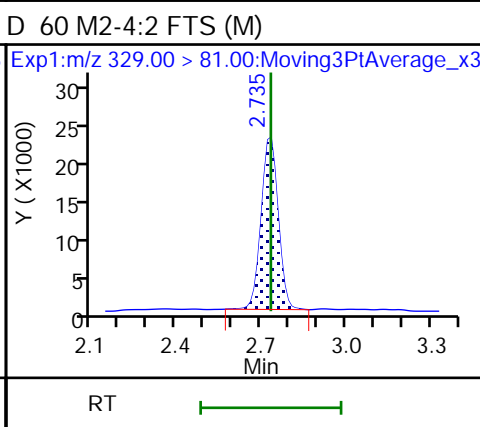
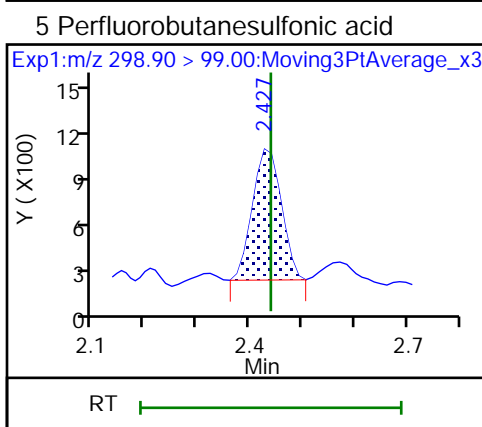
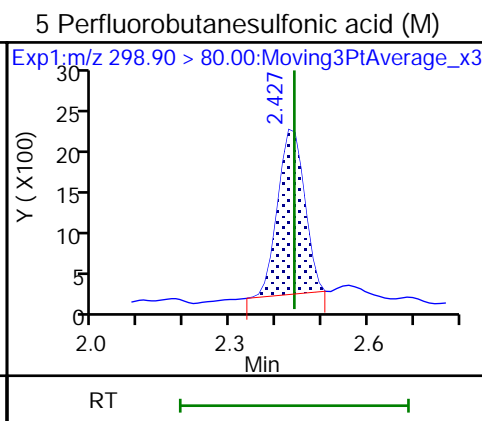
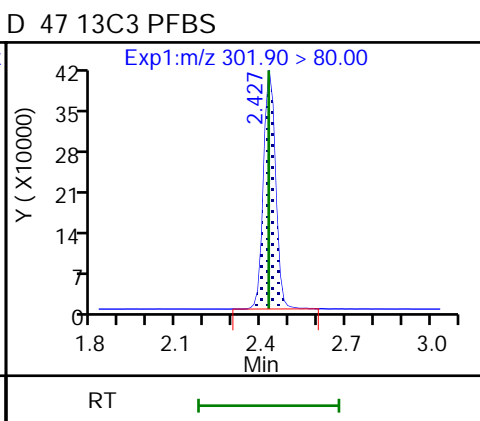
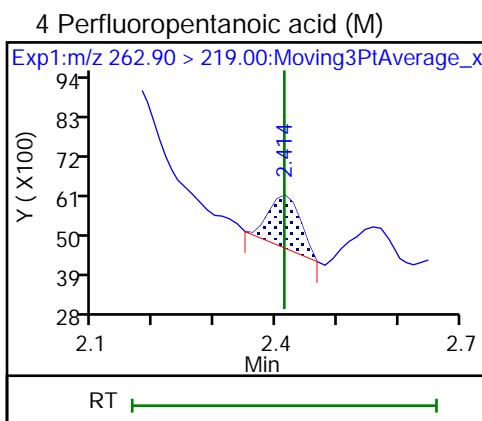
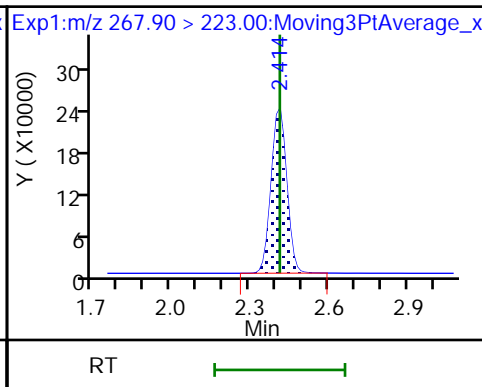
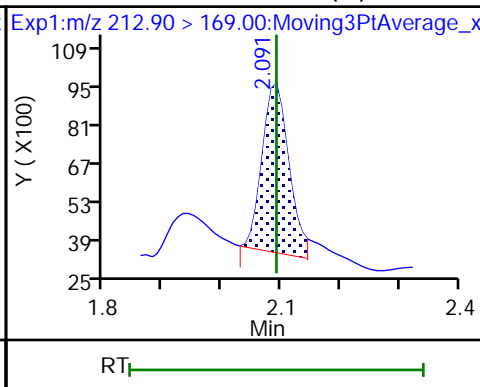
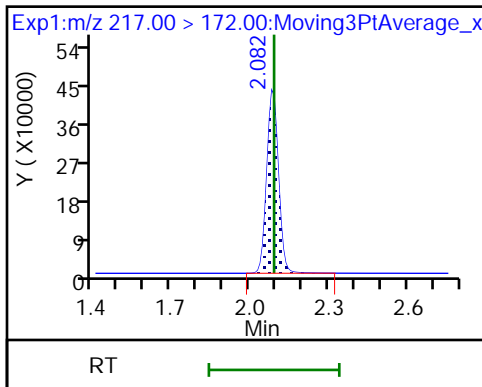
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Limit Group: LC\_PFC\_ICAL

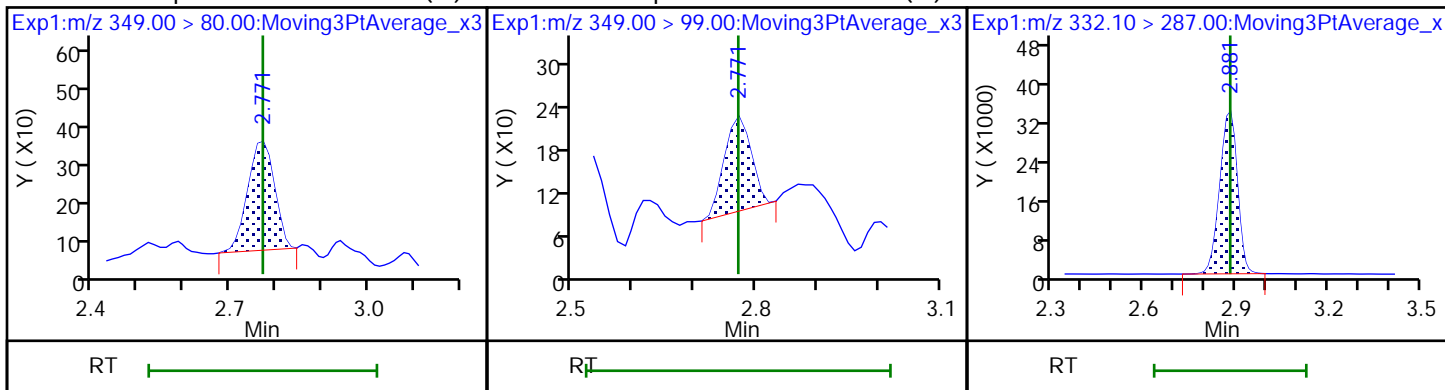
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

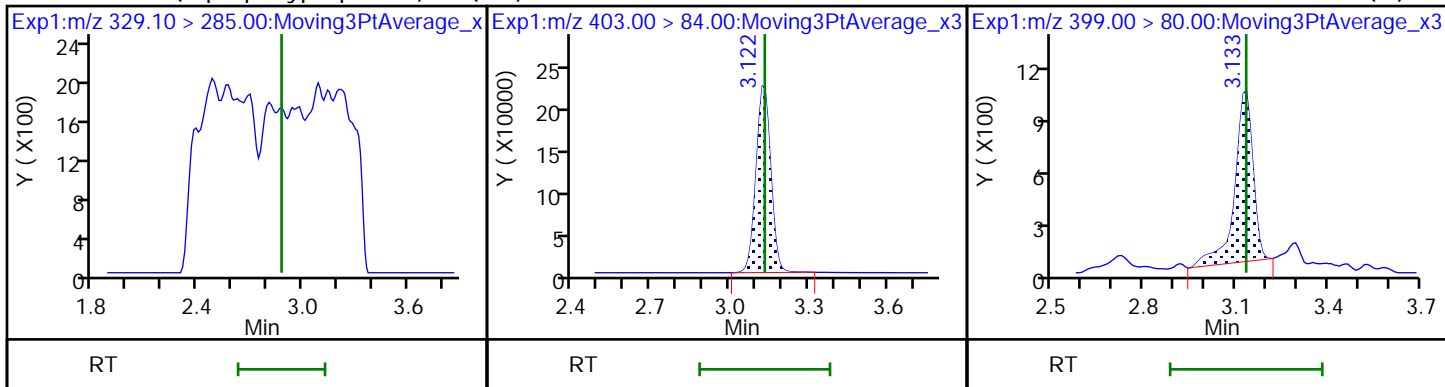
D 3 13C5 PFPeA



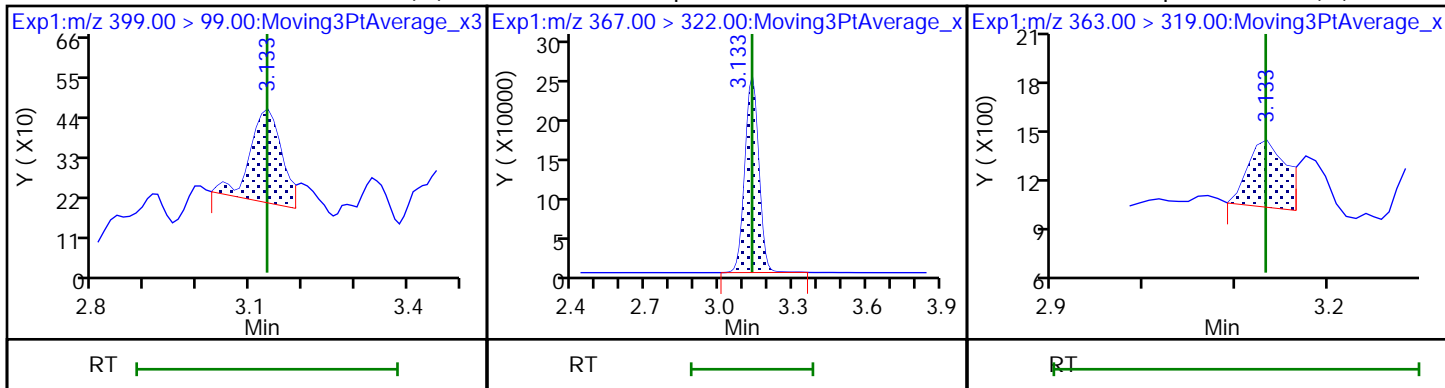
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



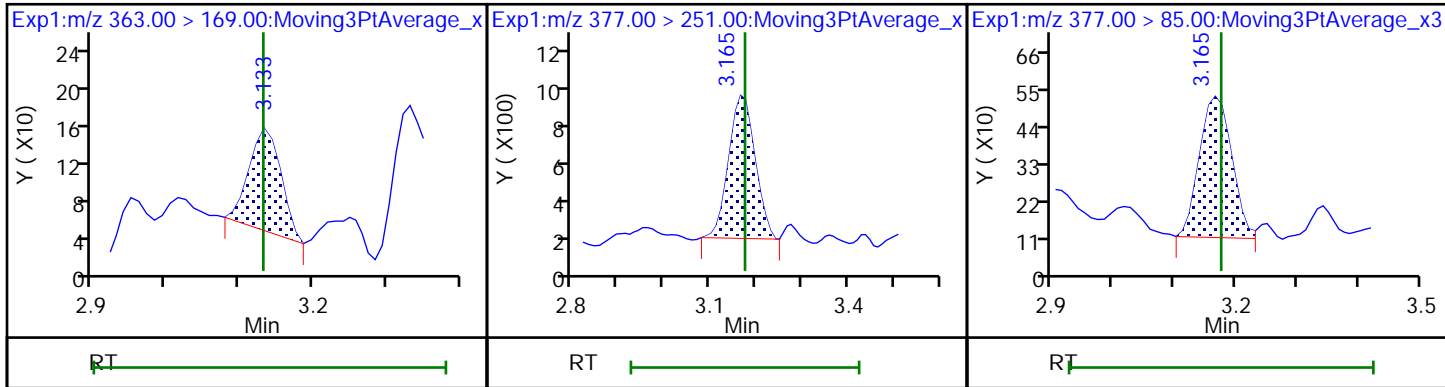
67 Perfluoro(2-propoxypropanoic) ac (ND)11 18O2 PFHxS 8 Perfluorohexanesulfonic acid (M)



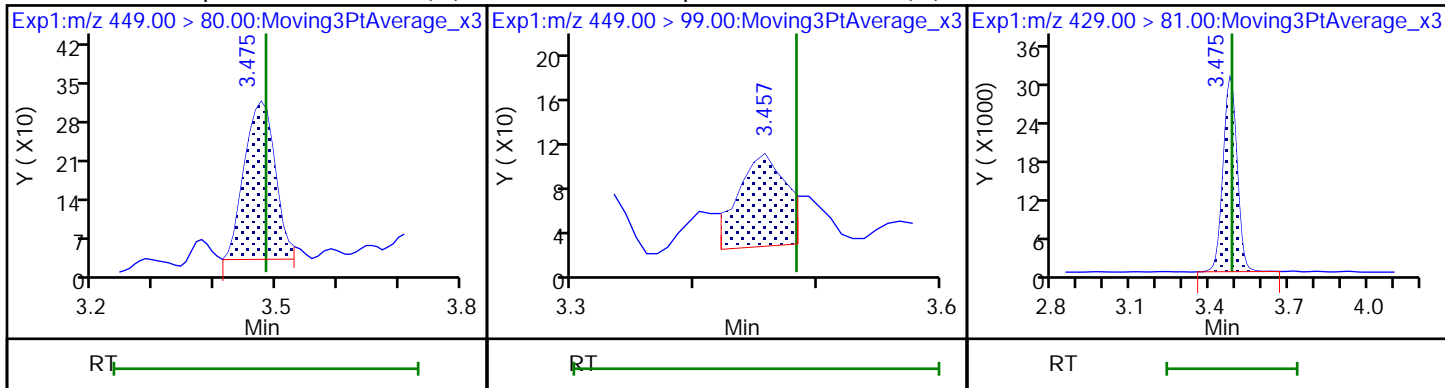
8 Perfluorohexanesulfonic acid (M) D 9 13C4 PFHpA 10 Perfluoroheptanoic acid (M)



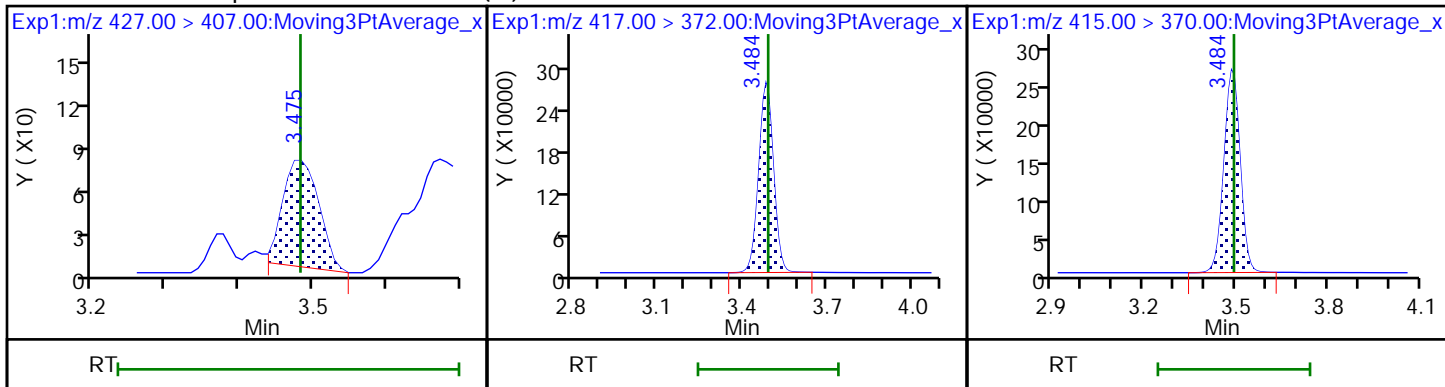
10 Perfluoroheptanoic acid (M) 77 DONA 77 DONA (M)



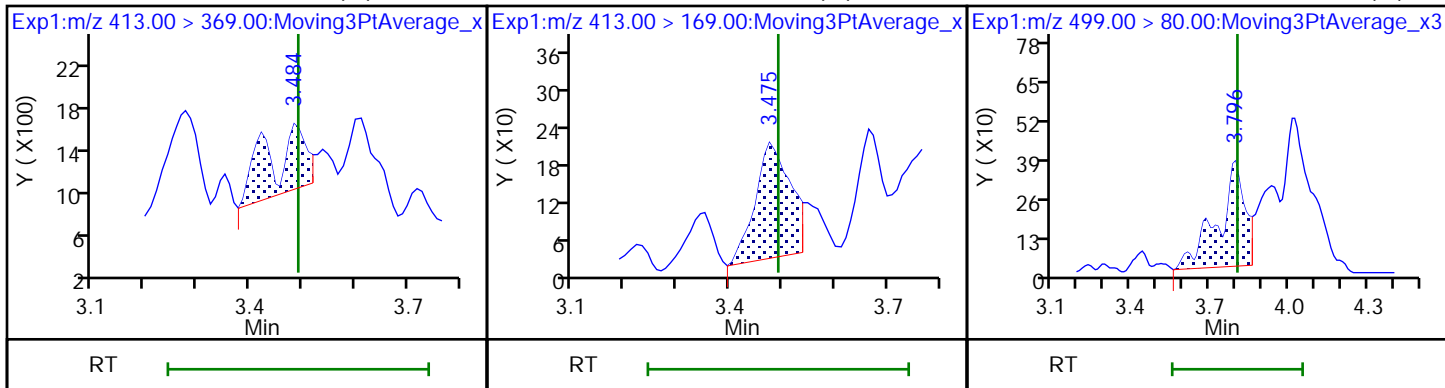
16 Perfluoroheptanesulfonic acid (M) 16 Perfluoroheptanesulfonic acid (M) D 12 M2-6:2 FTS



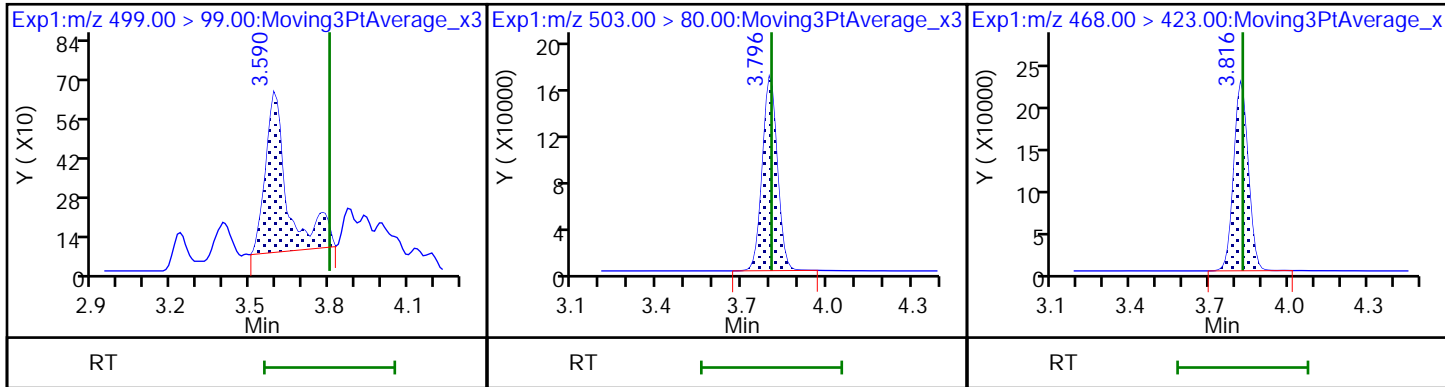
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 14 13C4 PFOA \* 62 13C2 PFOA

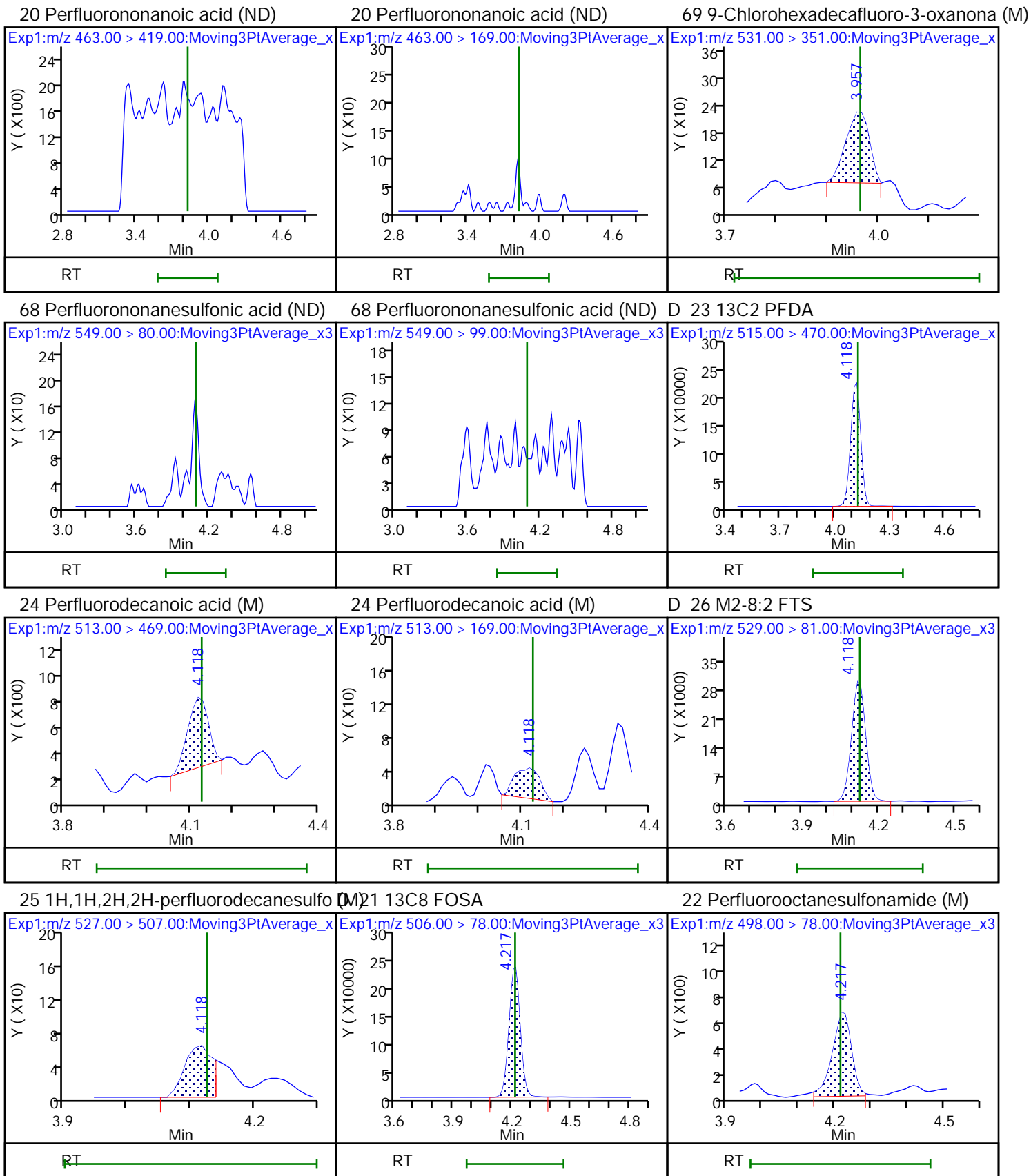


15 Perfluorooctanoic acid (M) 15 Perfluorooctanoic acid (M) 17 Perfluorooctanesulfonic acid (M)



17 Perfluorooctanesulfonic acid (M) D 18 13C4 PFOS D 19 13C5 PFNA



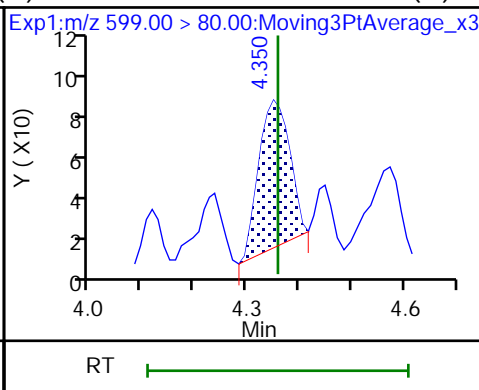
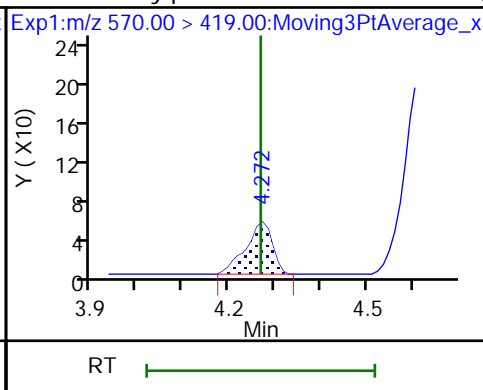
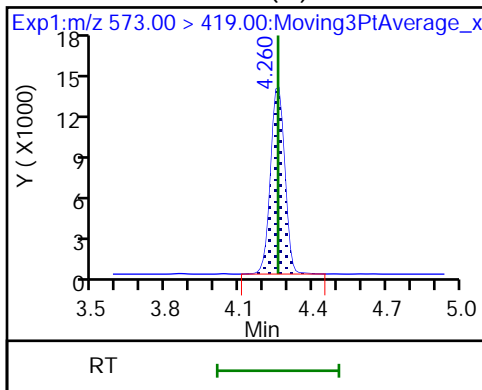




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

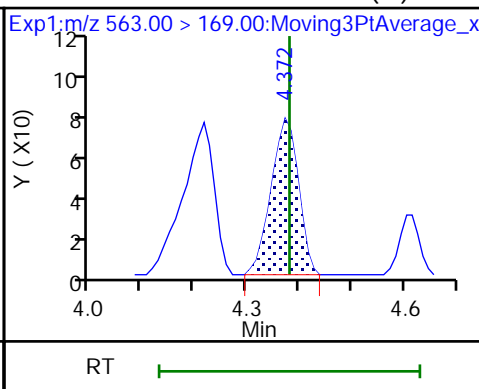
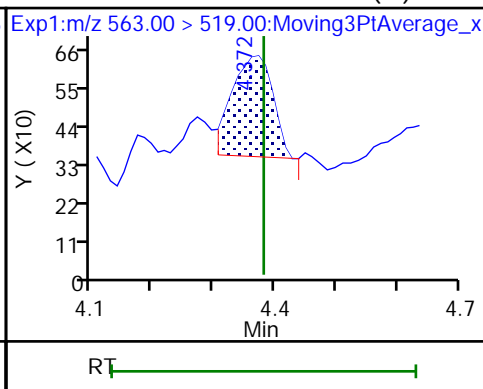
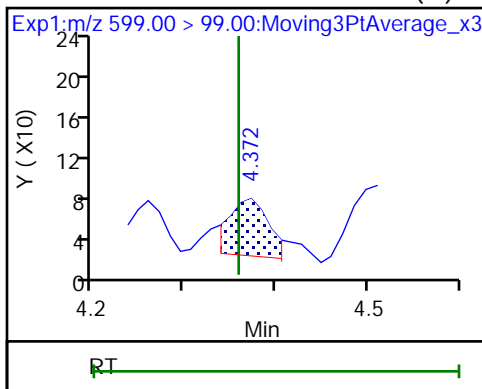
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid (M)

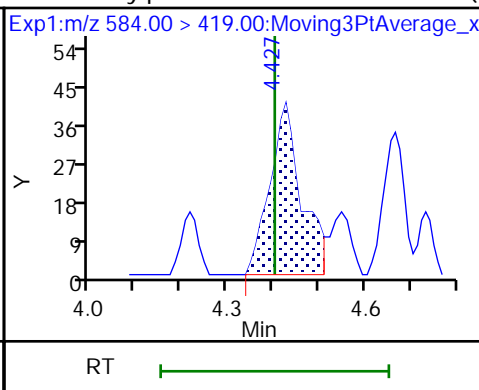
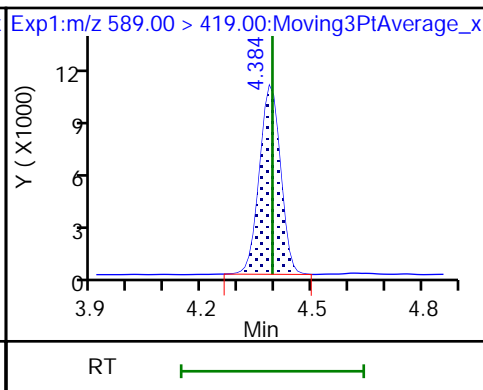
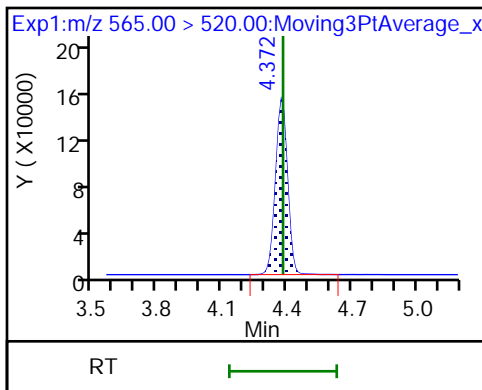
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA

D 32 d5-NEtFOSAA

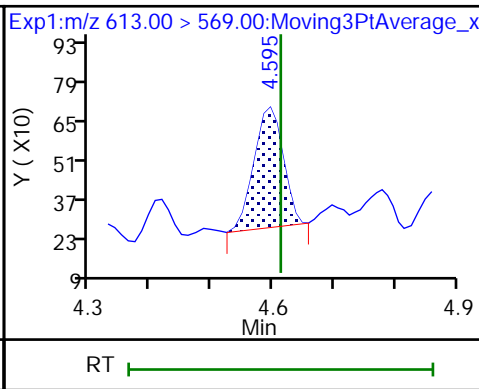
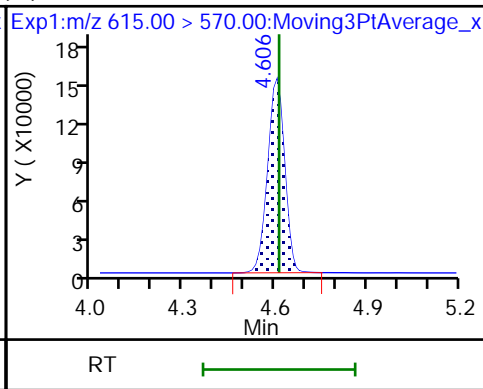
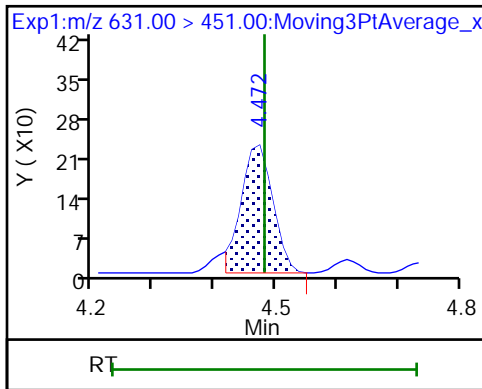
33 N-ethylperfluorooctanesulfonamid (M)



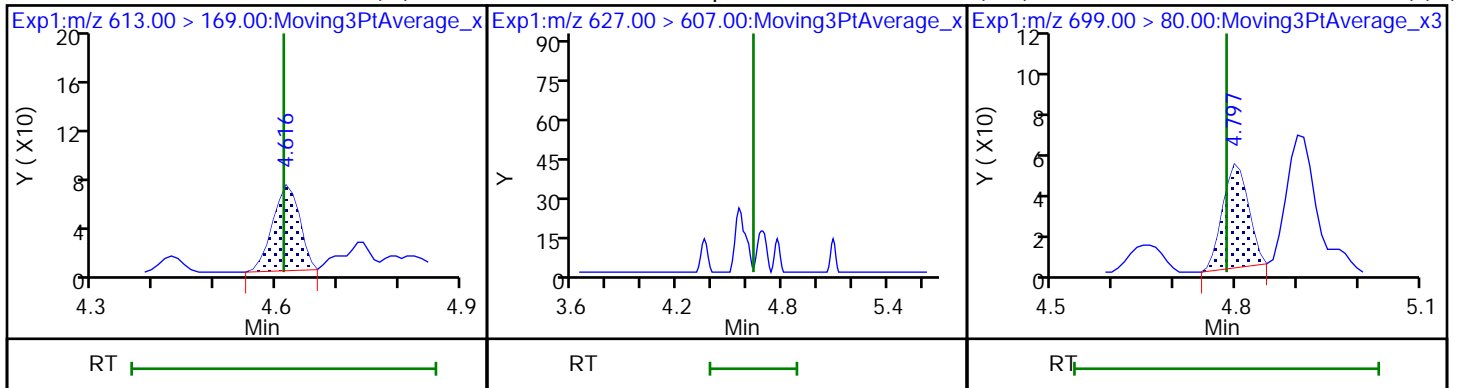
66 11-Chloroeicosafuoro-3-oxaundec (M)

36 13C2 PFDoA

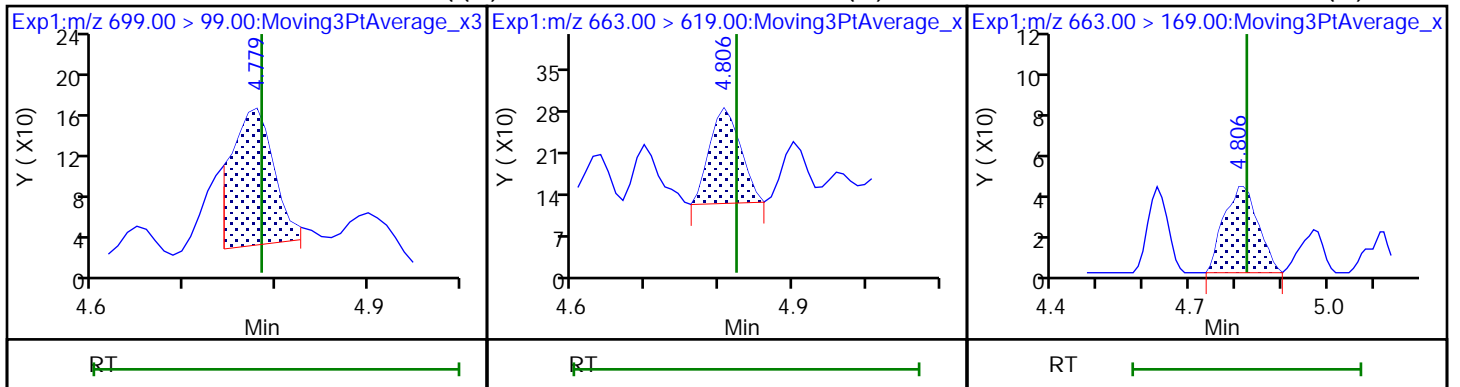
37 Perfluorododecanoic acid



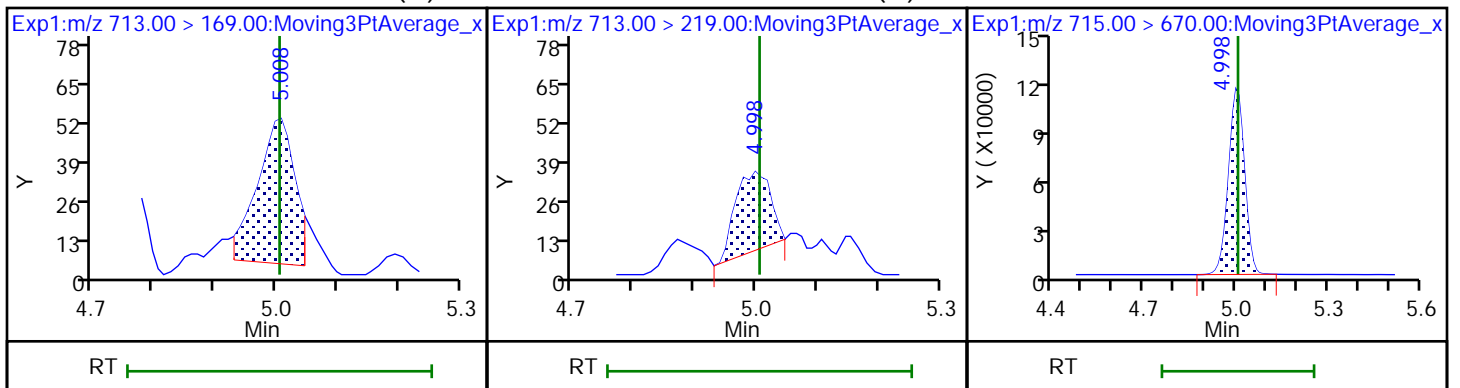
37 Perfluorododecanoic acid (M) 74 1H,1H,2H,2H-perfluorododecanesul (M) 15 Perfluorododecanesulfonic acid (M)



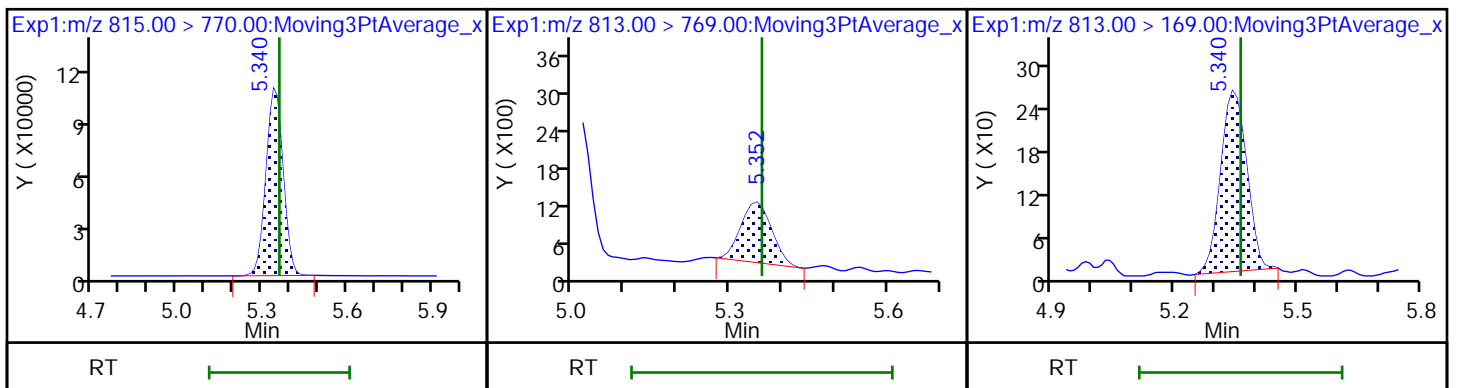
75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M) 41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M) 42 Perfluorotetradecanoic acid (M) D 43 13C2 PFTeDA

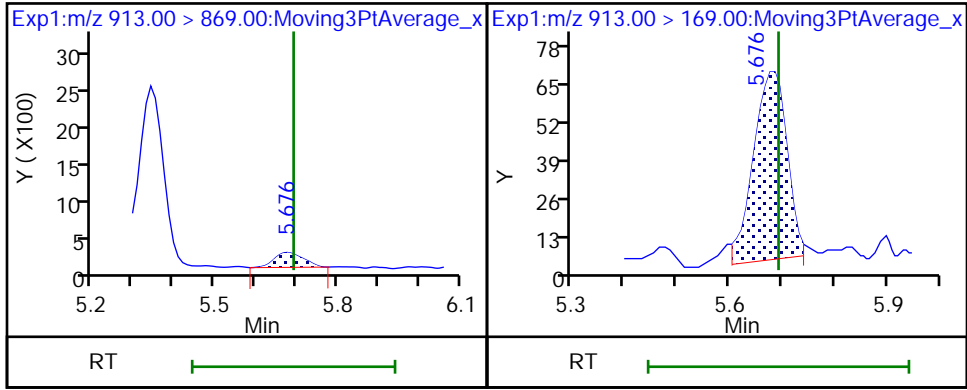


D 44 13C2 PFHxDA 45 Perfluorohexadecanoic acid 45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid (M)



Euofins TestAmerica, Burlington

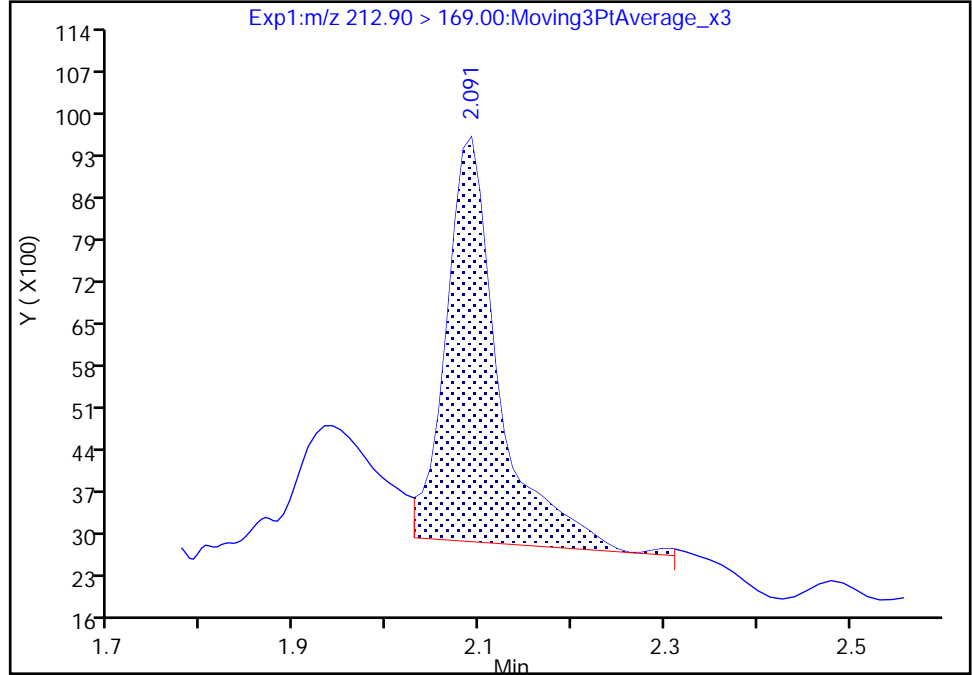
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

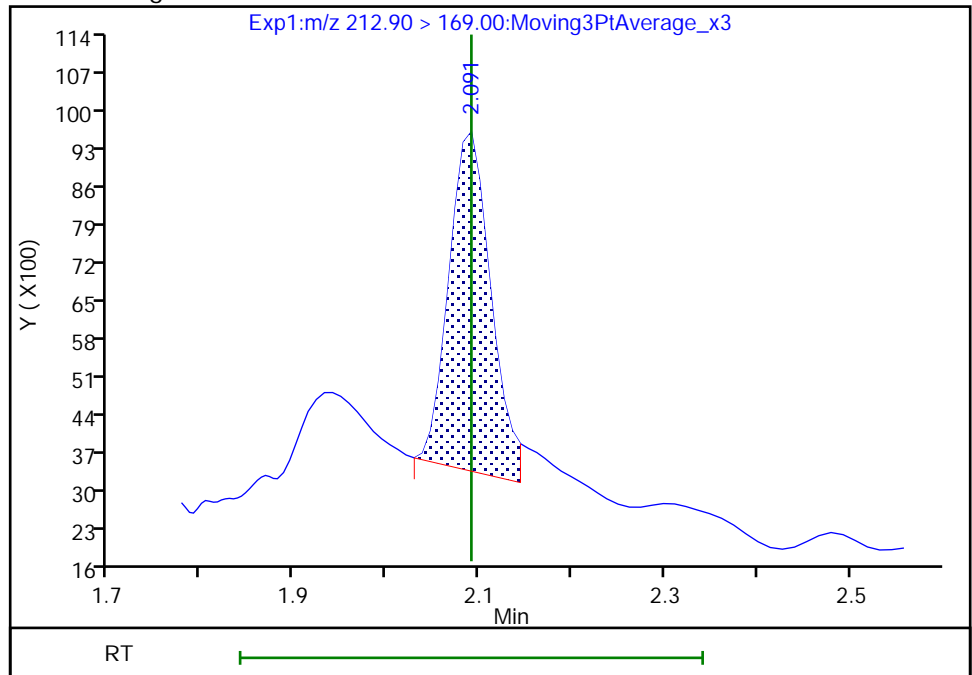
RT: 2.09  
Area: 26601  
Amount: 0.025086  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 19638  
Amount: 0.018519  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:17:57  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

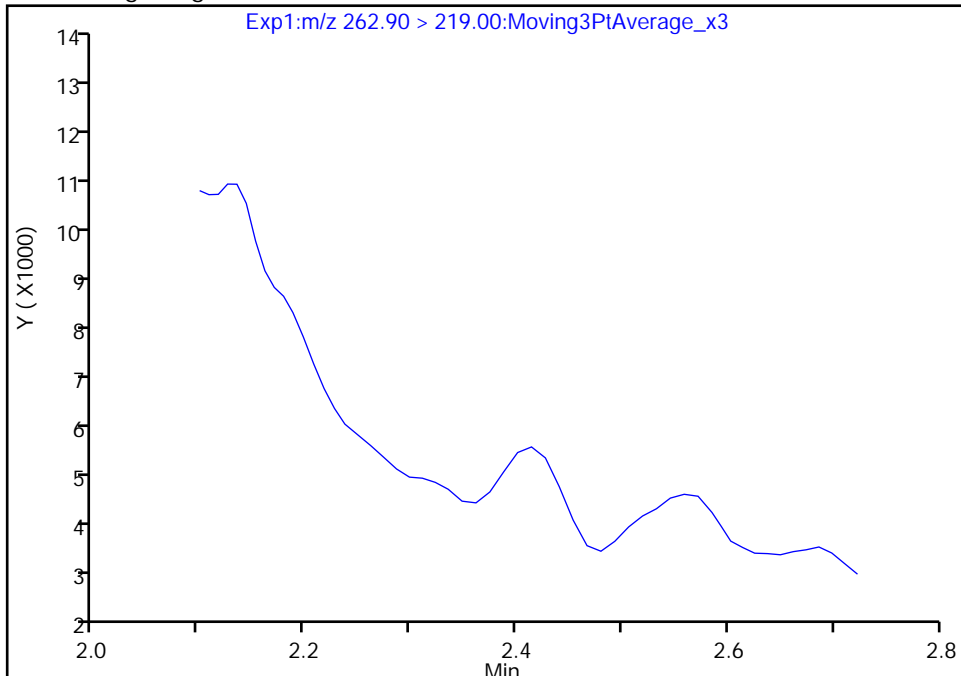
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

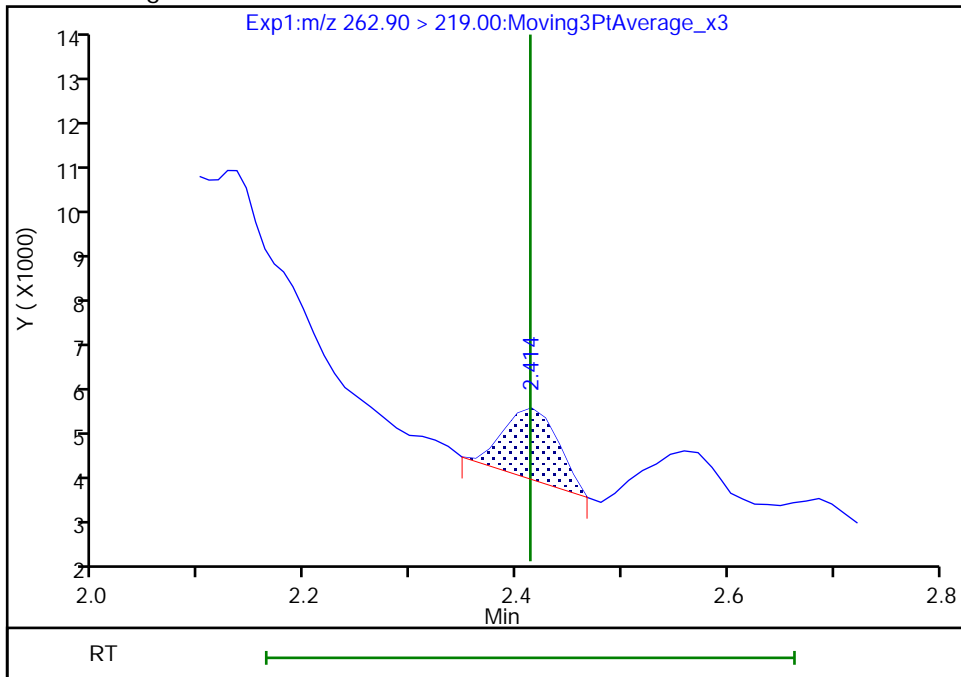
Not Detected  
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41  
Area: 5306  
Amount: 0.006114  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:18:02  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

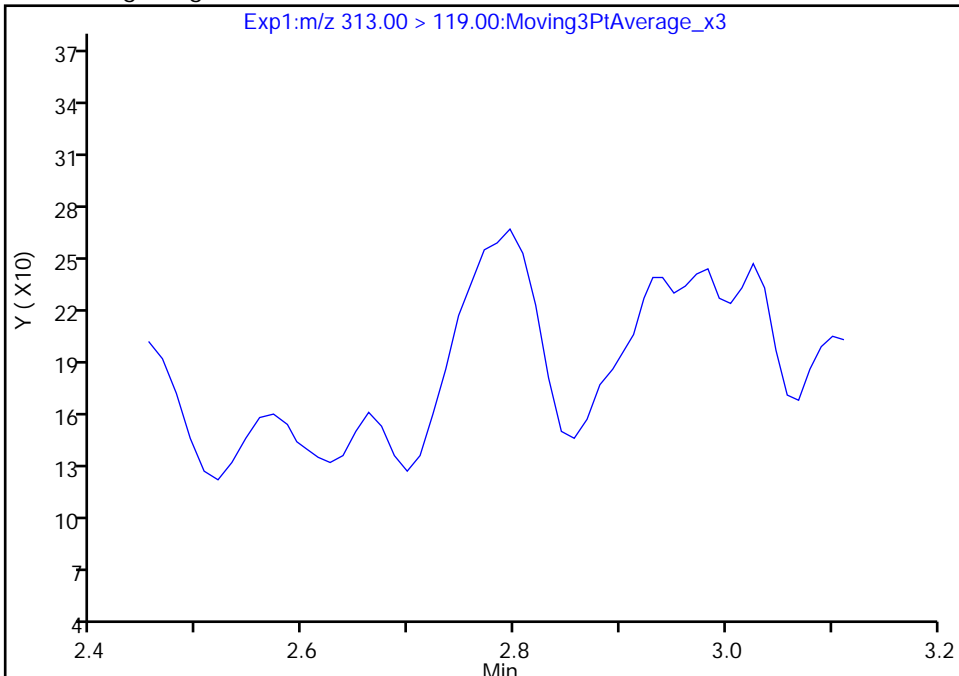
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

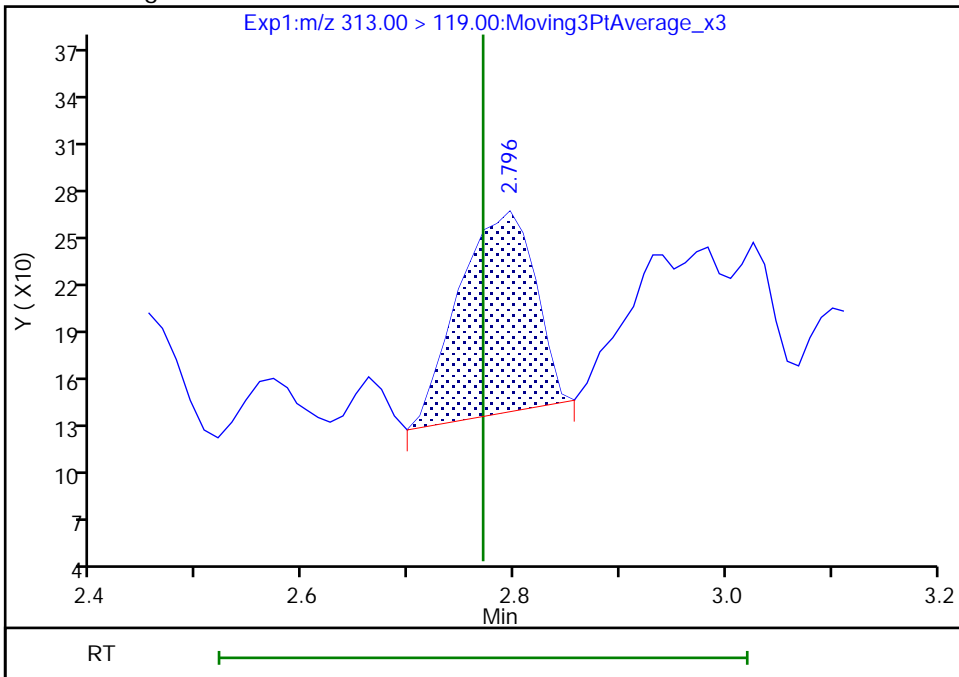
Not Detected  
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.80  
Area: 645  
Amount: 0.003488  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:18:26  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

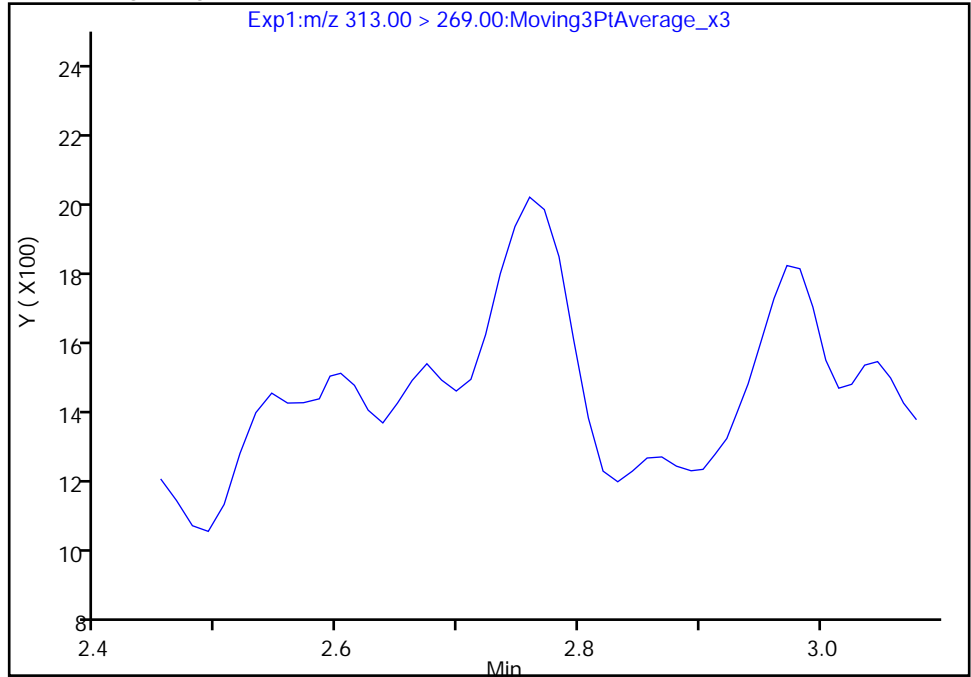
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

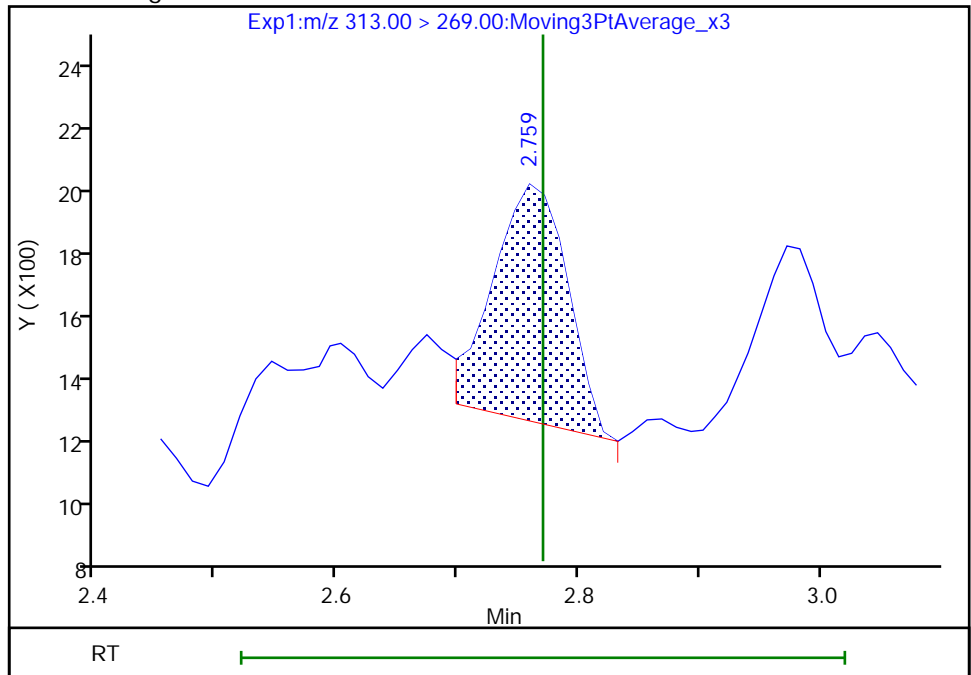
Not Detected  
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76  
Area: 3145  
Amount: 0.003488  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:18:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

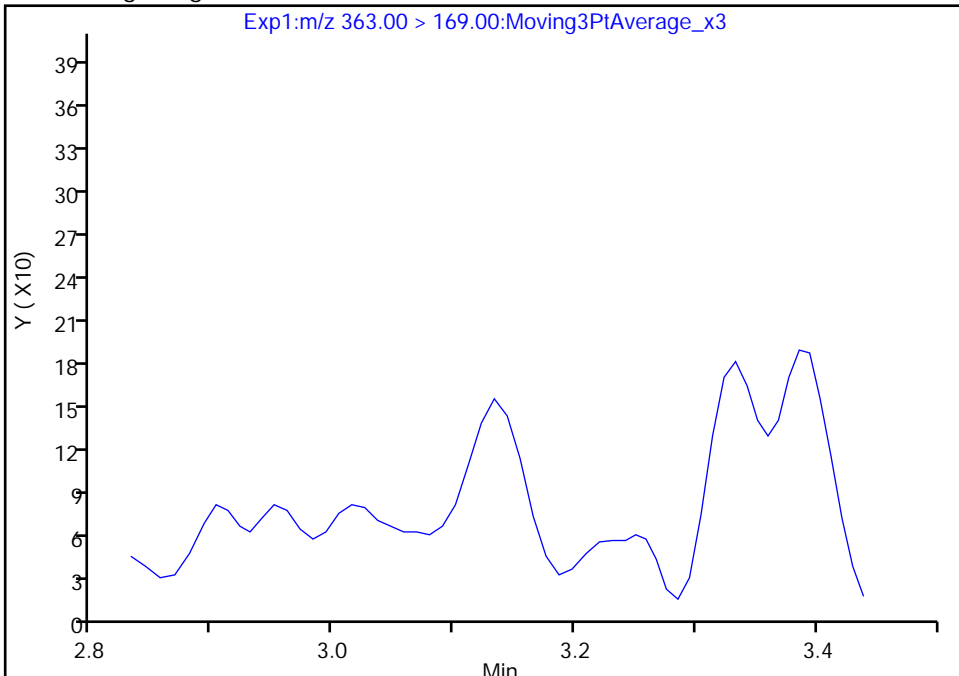
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

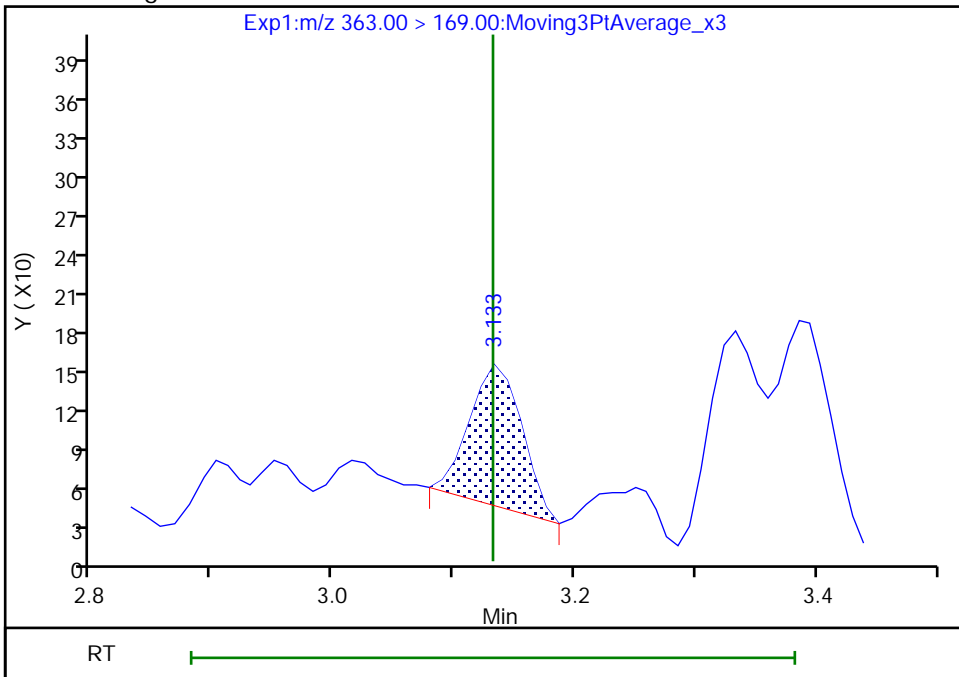
Not Detected  
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13  
Area: 327  
Amount: 0.001271  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:19:12  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

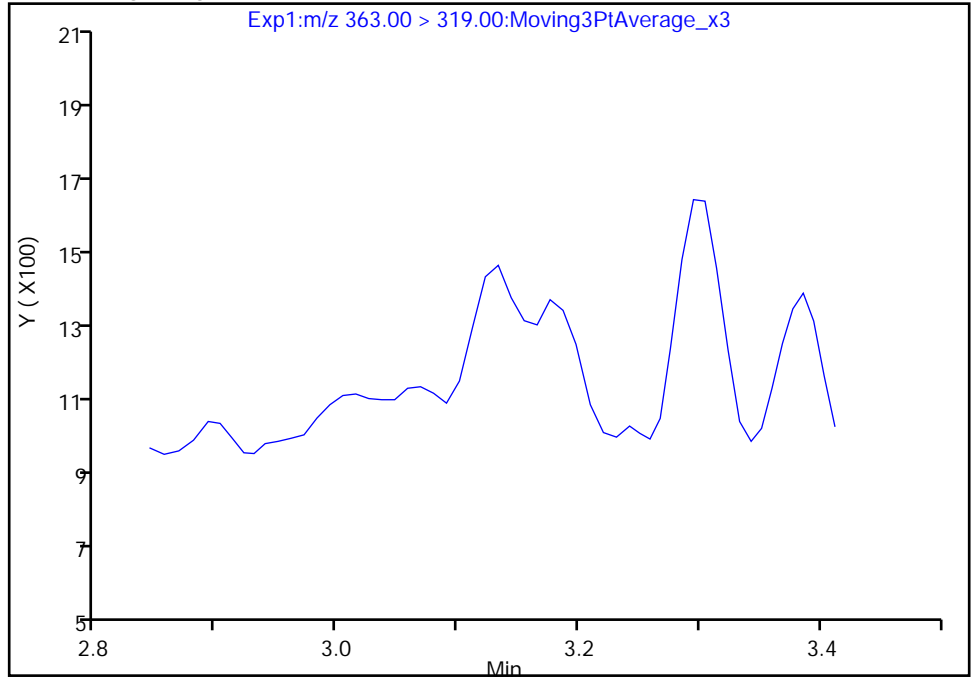
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

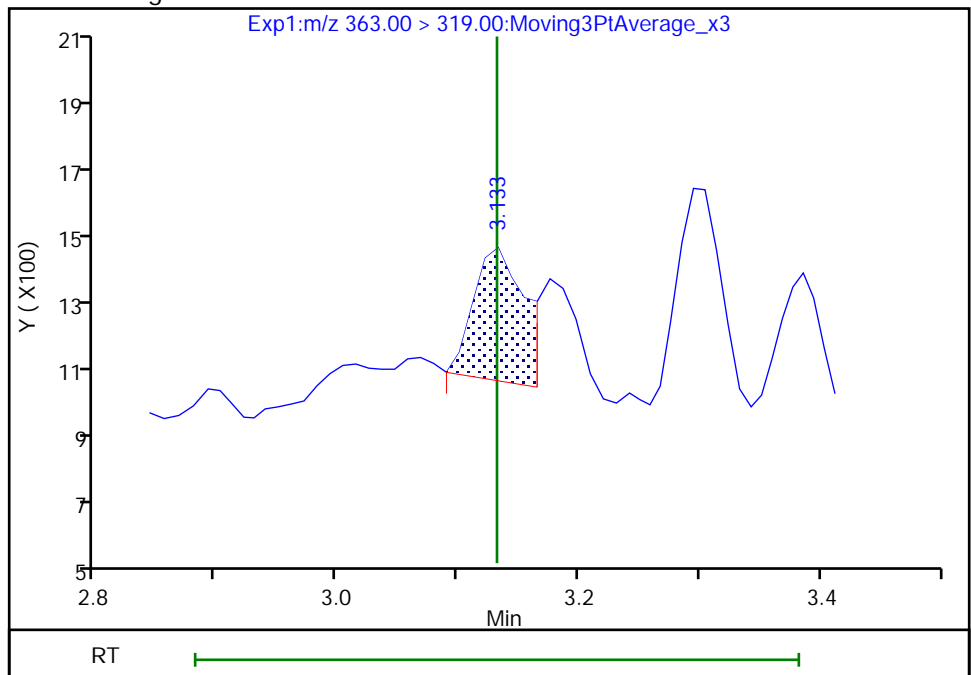
Not Detected  
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13  
Area: 1088  
Amount: 0.001271  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:19:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

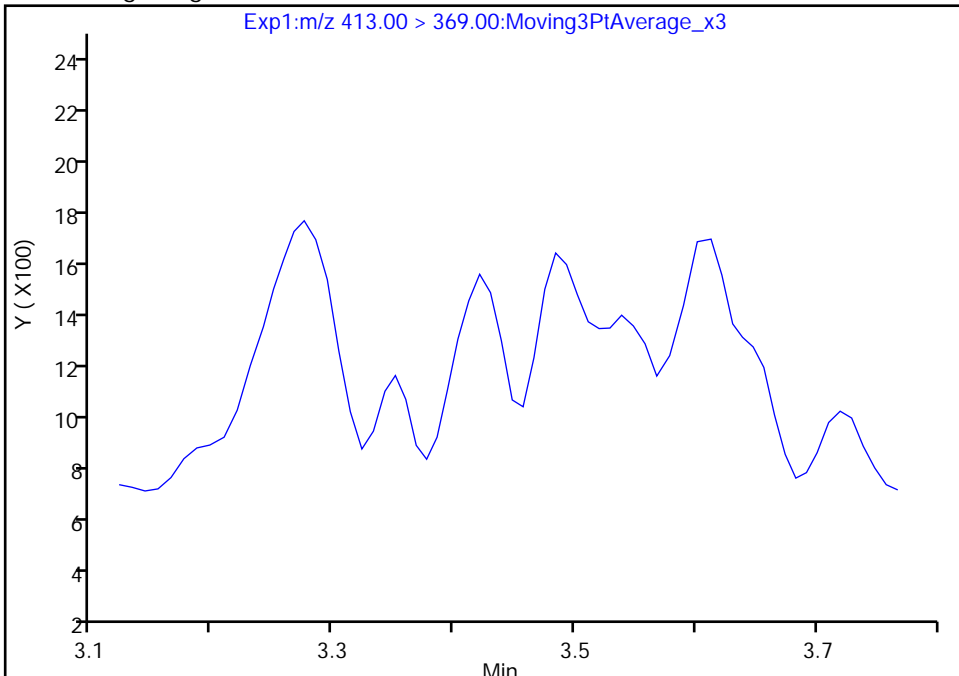
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

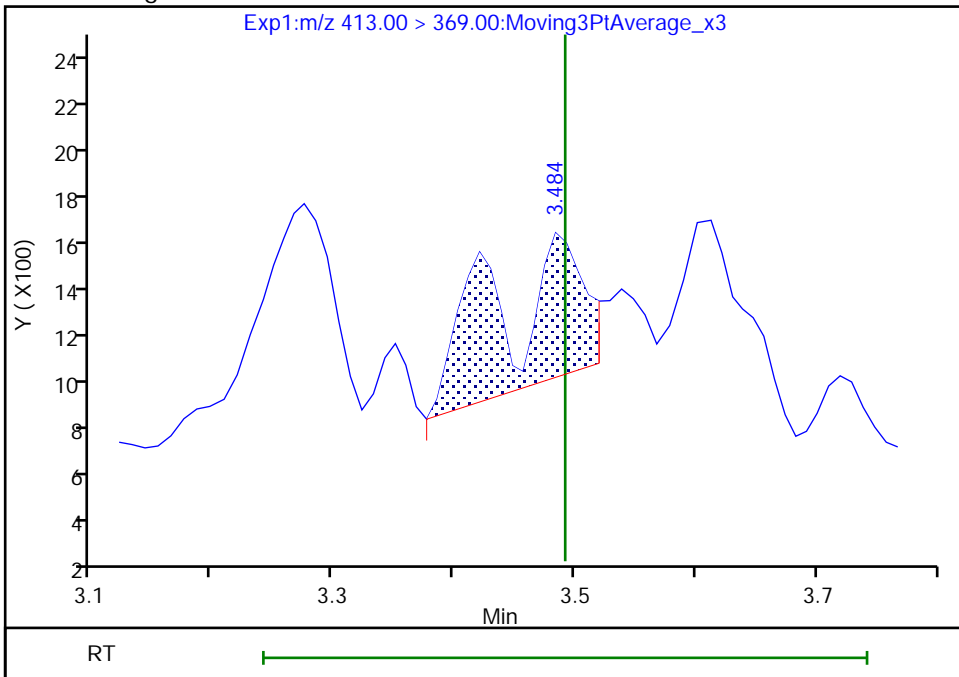
Not Detected  
Expected RT: 3.49

Processing Integration Results



RT: 3.48  
Area: 3073  
Amount: 0.003556  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:20:03  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurolins TestAmerica, Burlington

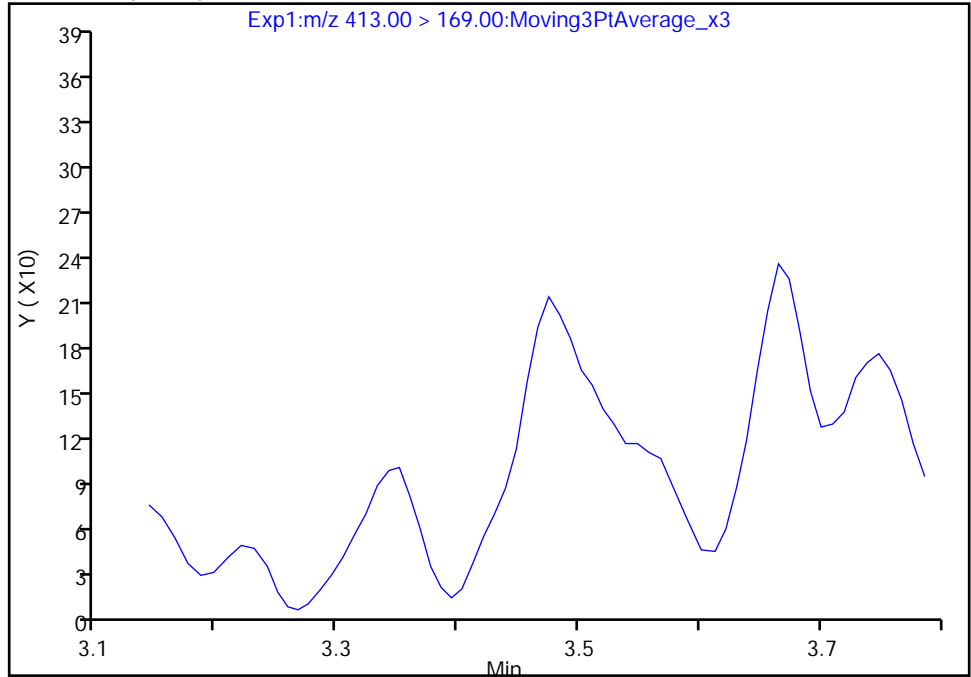
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

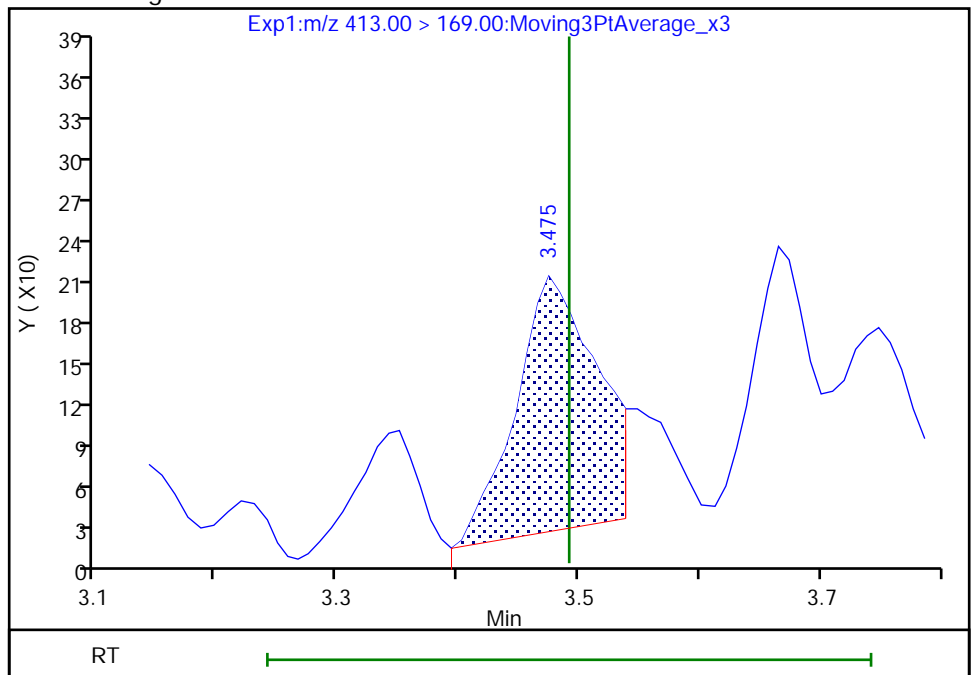
Not Detected  
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.48  
Area: 866  
Amount: 0.003556  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:20:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

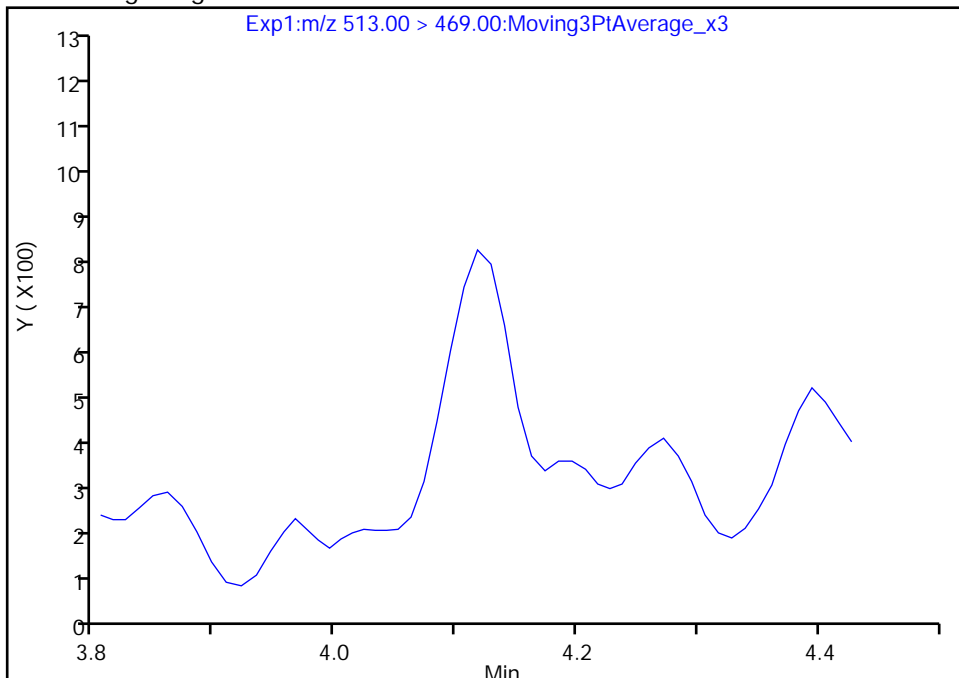
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

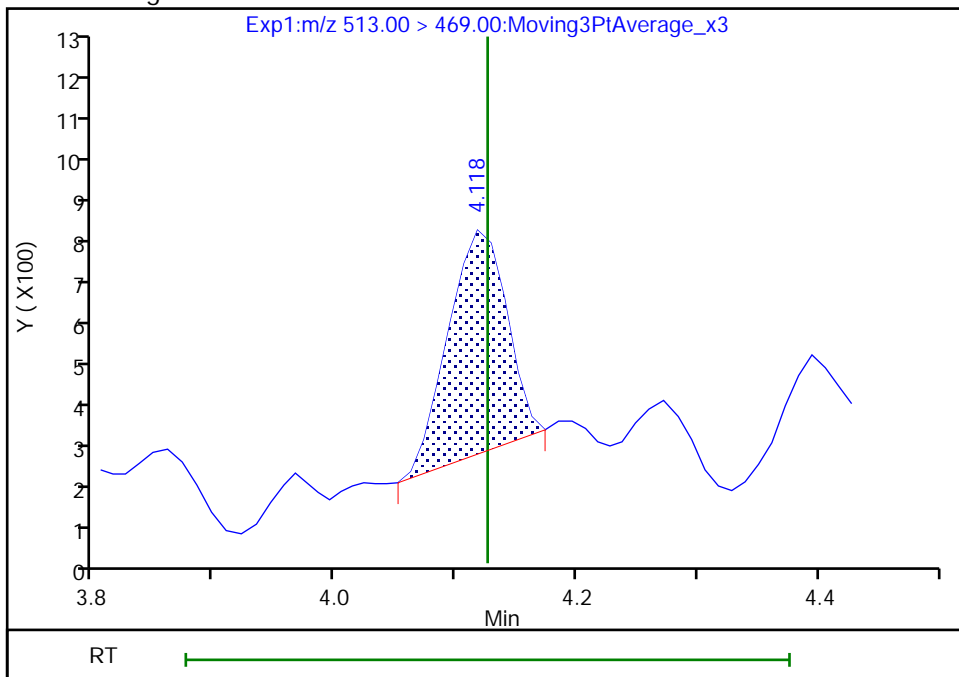
Not Detected  
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12  
Area: 1634  
Amount: 0.002387  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:20:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

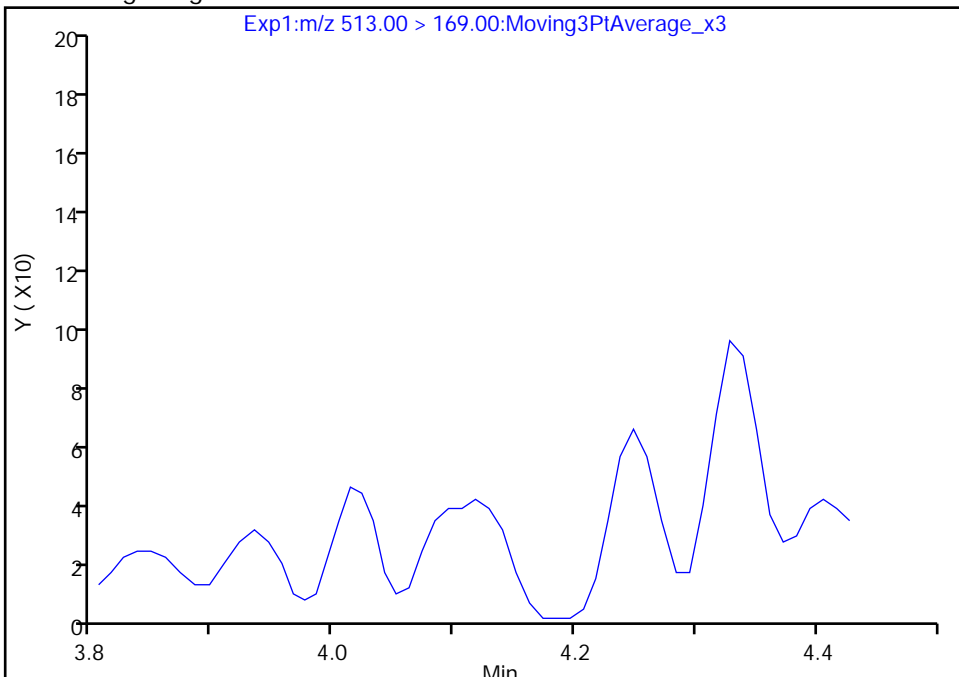
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

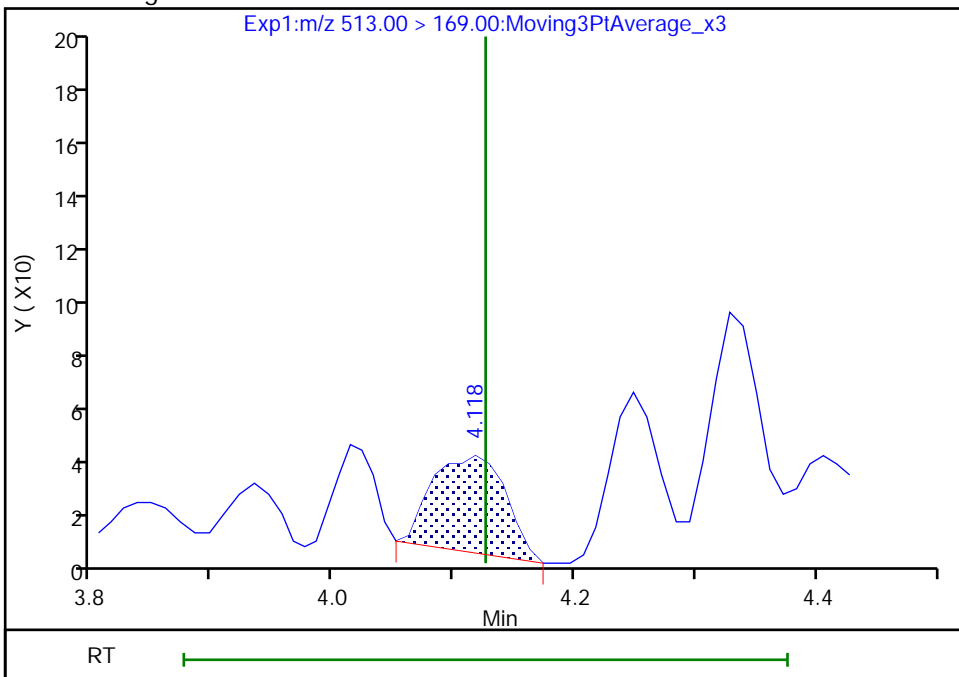
Not Detected  
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12  
Area: 146  
Amount: 0.002387  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:21:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

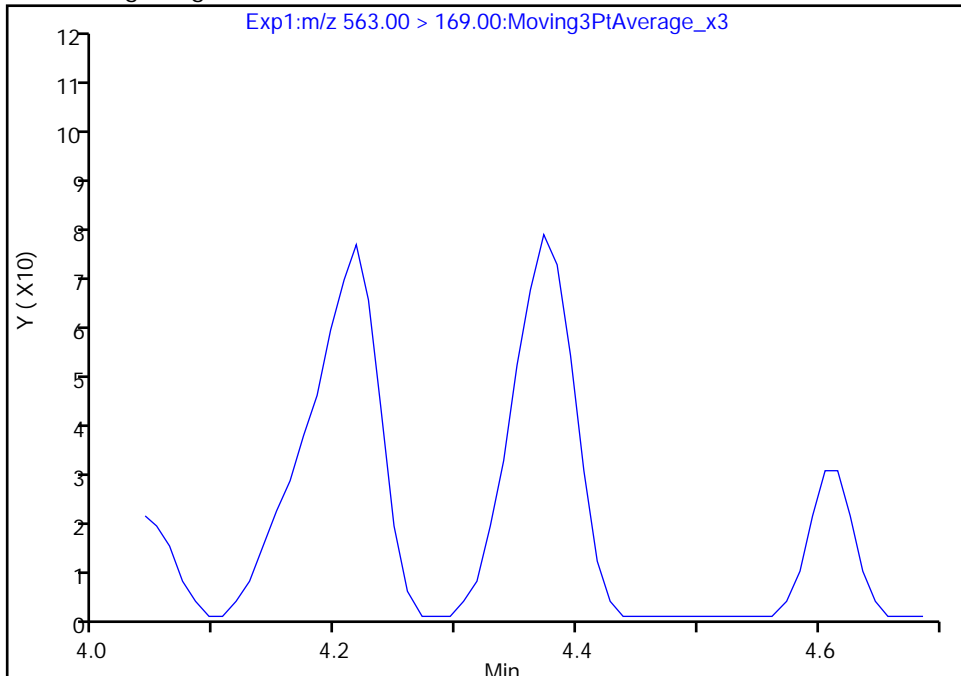
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

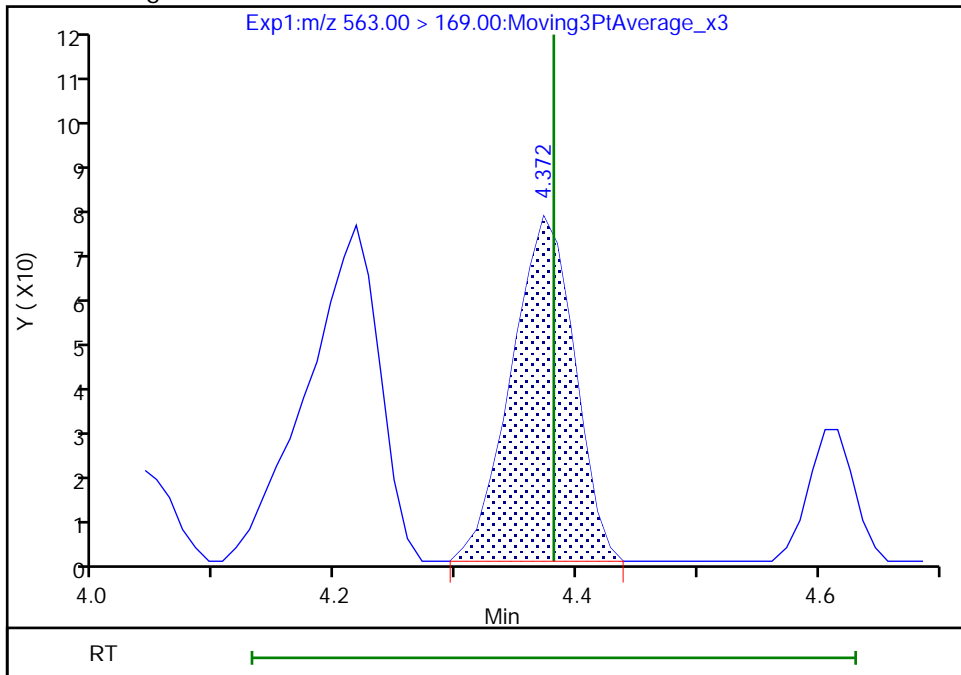
Not Detected  
Expected RT: 4.38

Processing Integration Results



RT: 4.37  
Area: 275  
Amount: 0.002854  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:21:47  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

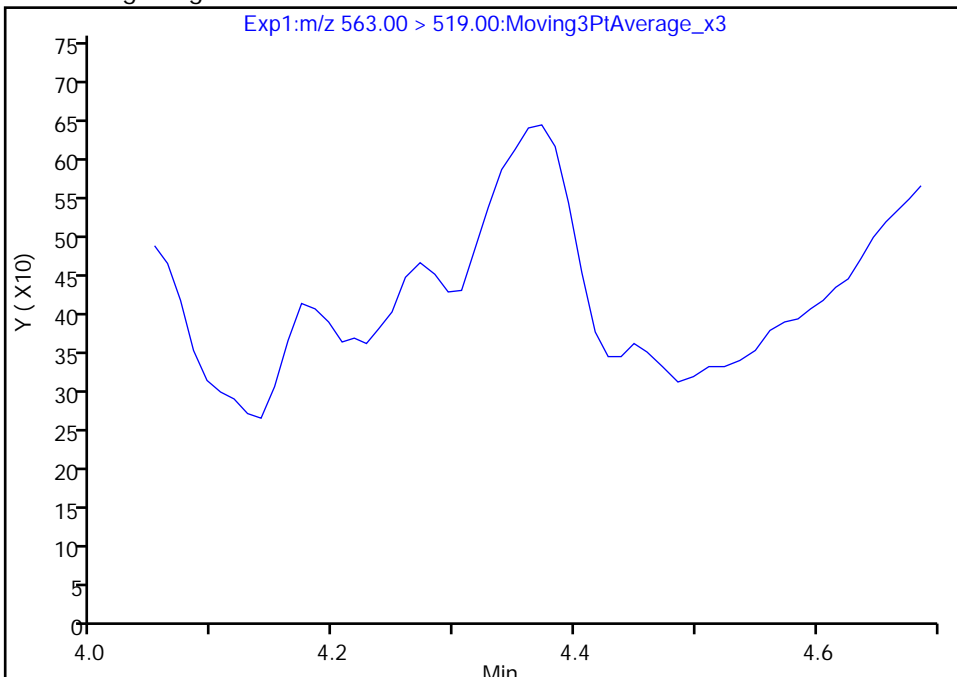
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

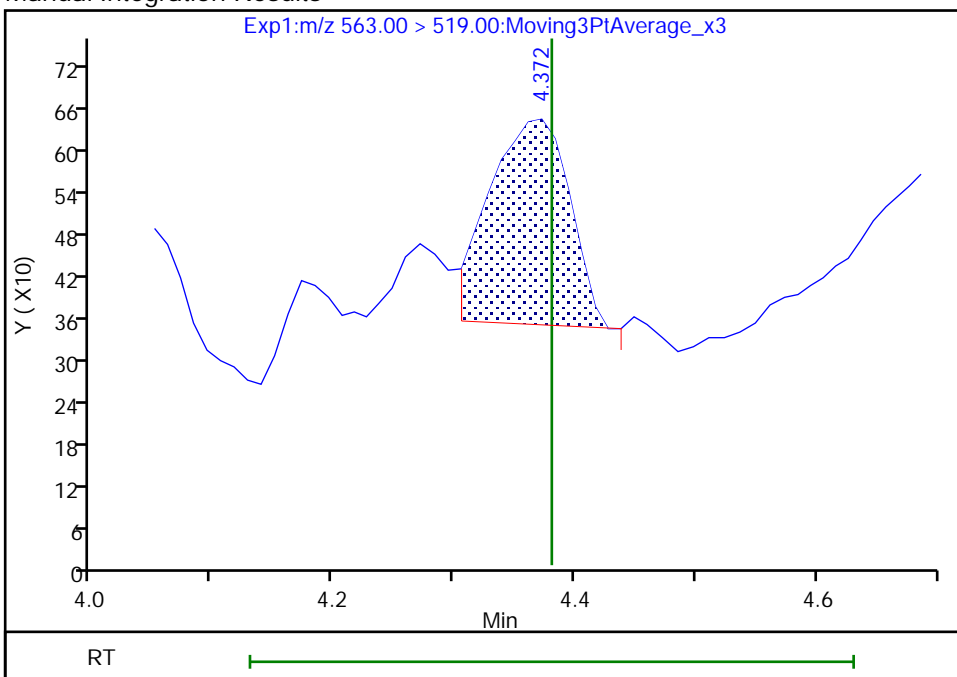
Not Detected  
Expected RT: 4.38

Processing Integration Results



RT: 4.37  
Area: 1351  
Amount: 0.002854  
Amount Units: ng/ml

Manual Integration Results



Eurofins TestAmerica, Burlington

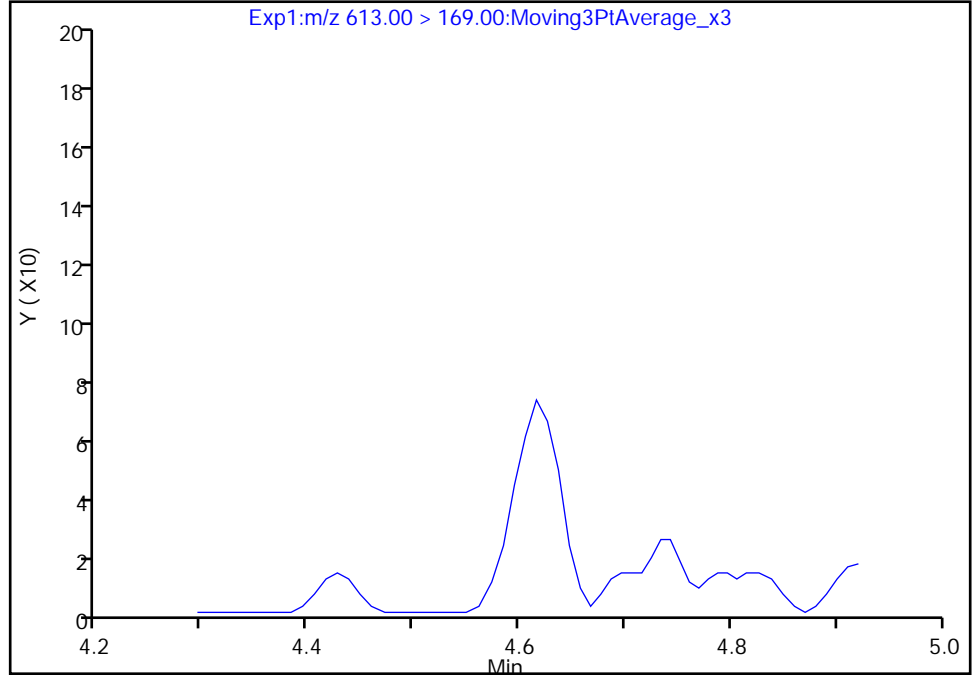
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

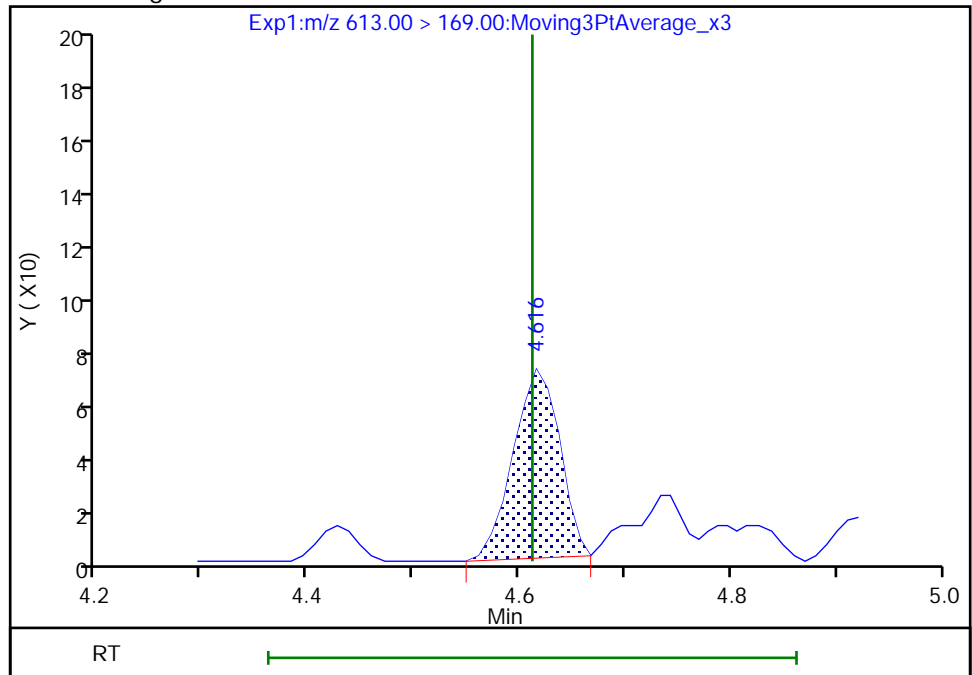
Not Detected  
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.62  
Area: 209  
Amount: 0.002790  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:22:10  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Euofins TestAmerica, Burlington

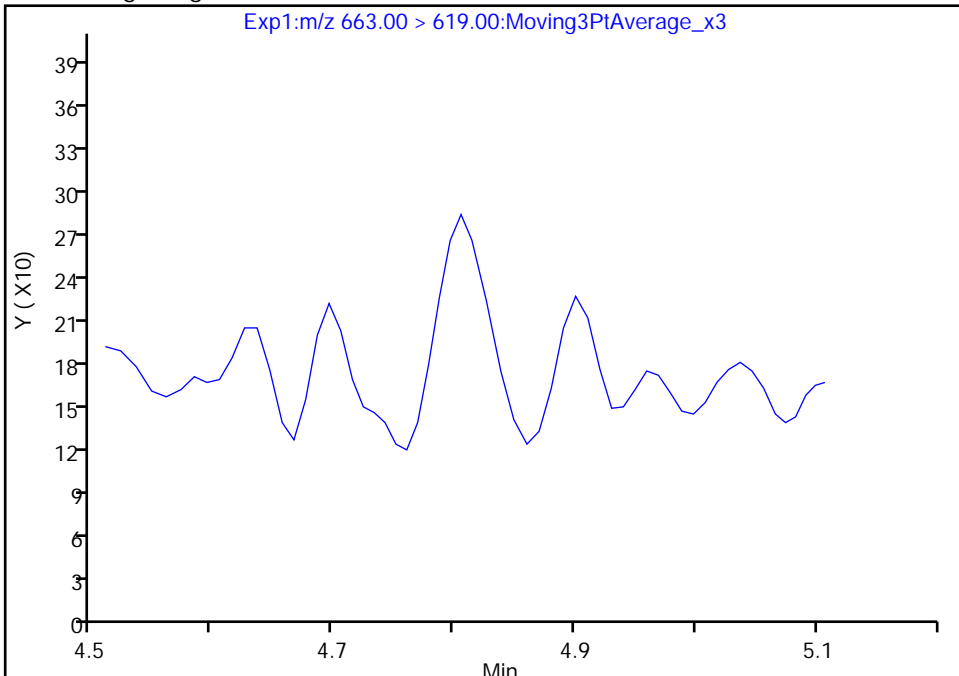
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

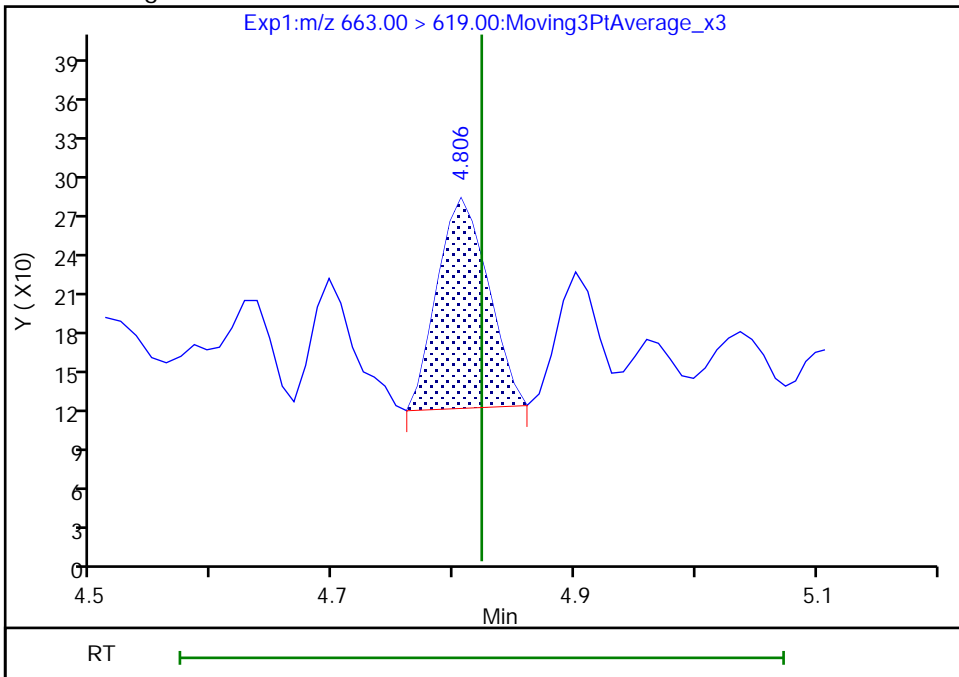
Not Detected  
Expected RT: 4.82

Processing Integration Results



Manual Integration Results

RT: 4.81  
Area: 473  
Amount: 0.001131  
Amount Units: ng/ml



Reviewer: deannd, 22-Jan-2021 09:55:46  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

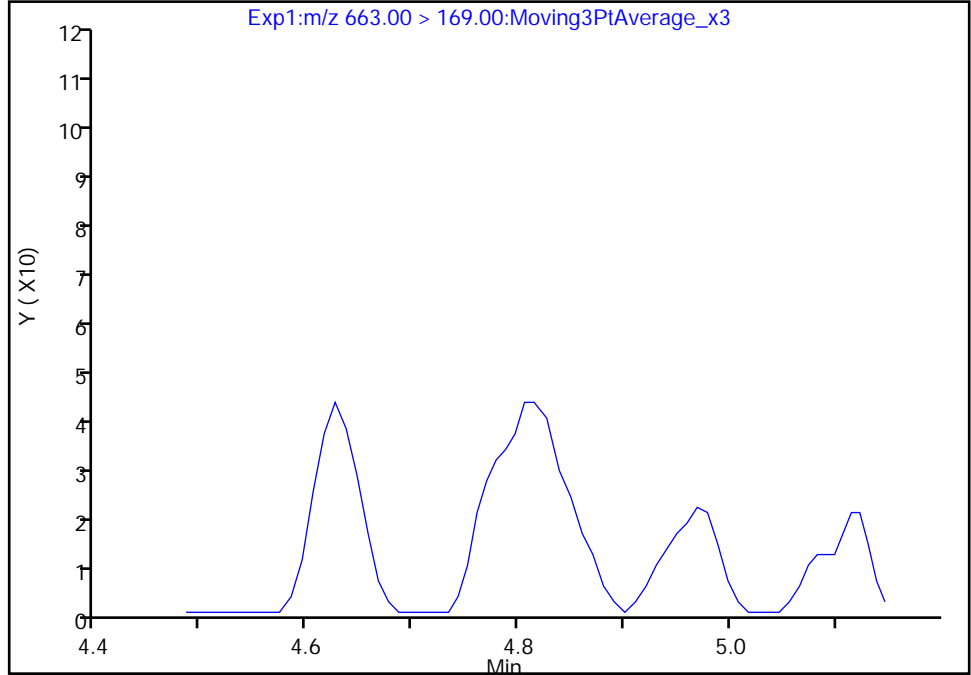
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

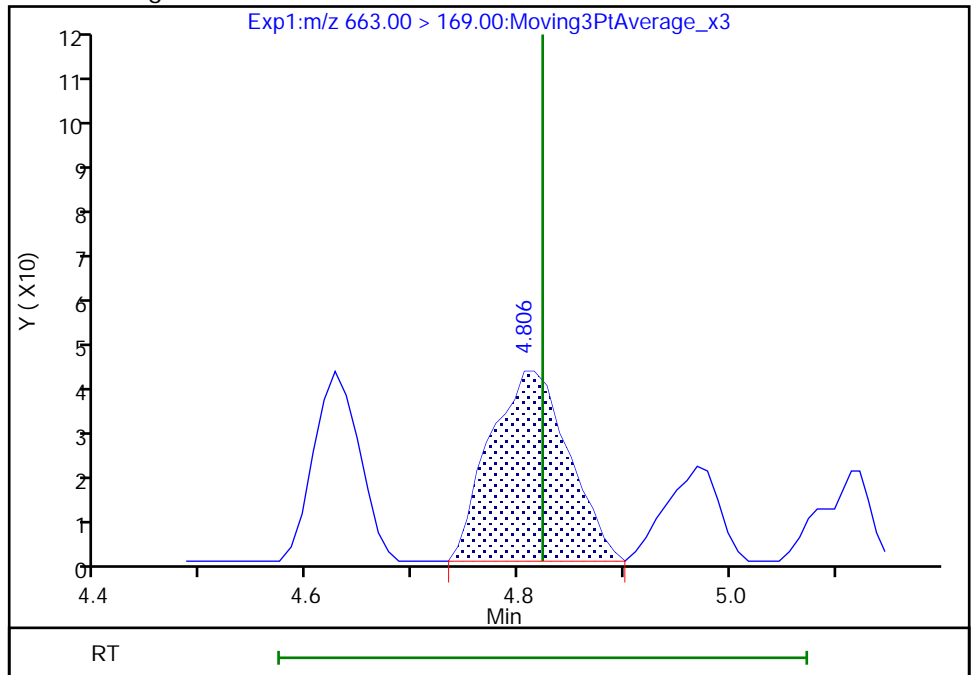
Not Detected  
Expected RT: 4.82

Processing Integration Results



RT: 4.81  
Area: 207  
Amount: 0.001131  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:55:51

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

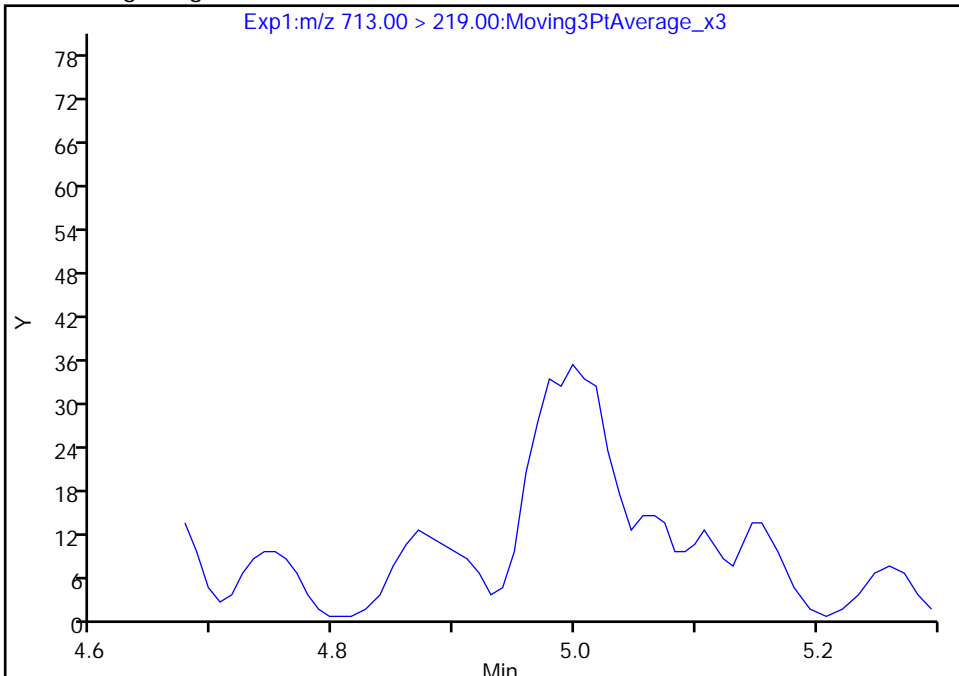
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

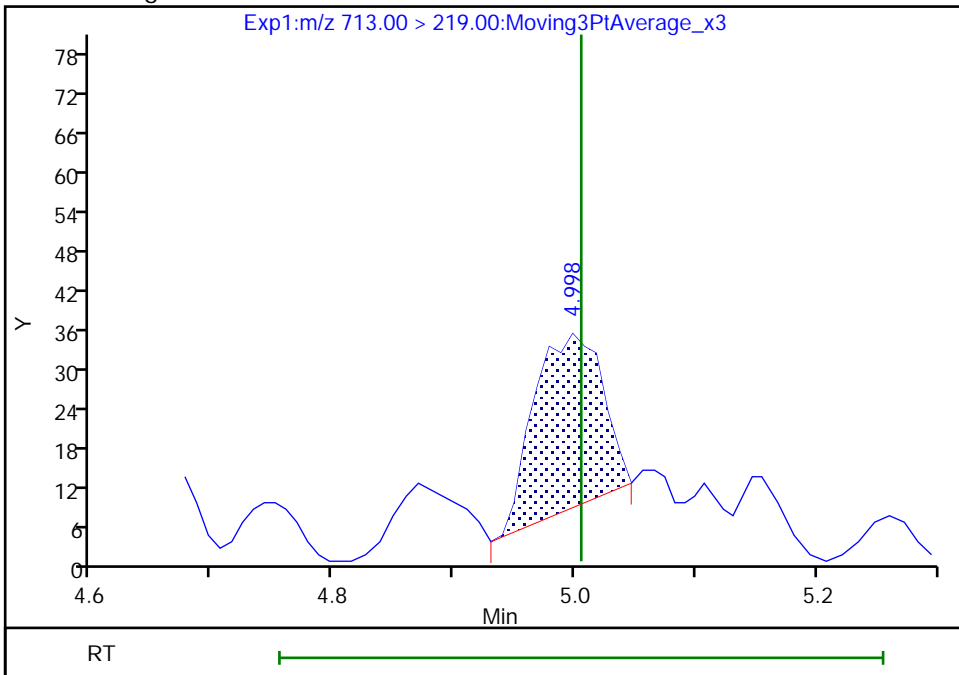
Not Detected  
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00  
Area: 106  
Amount: 0.003311  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:22:37  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

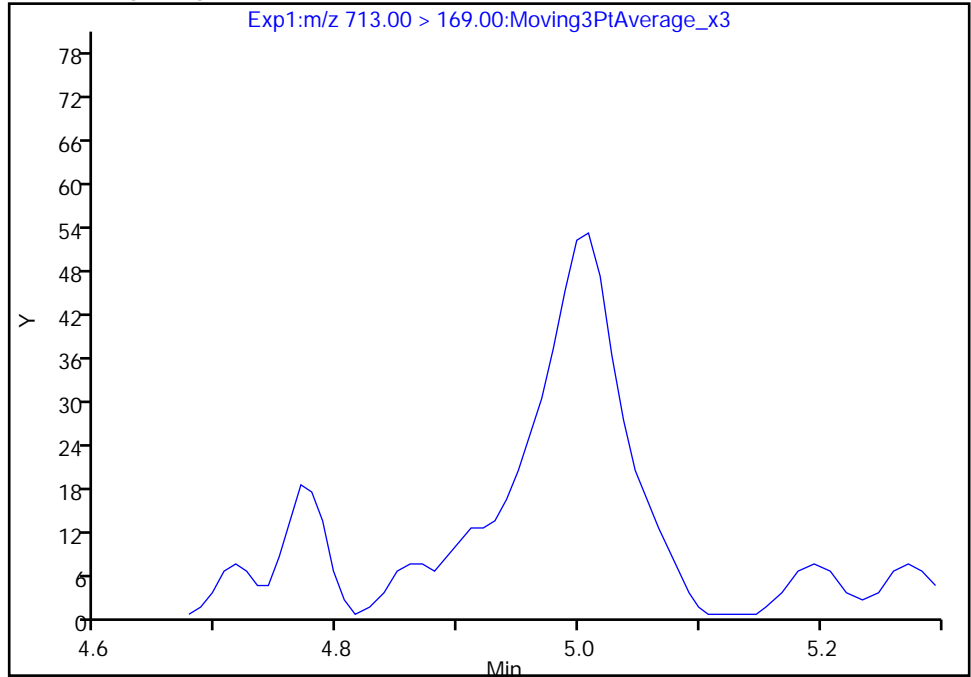
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Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

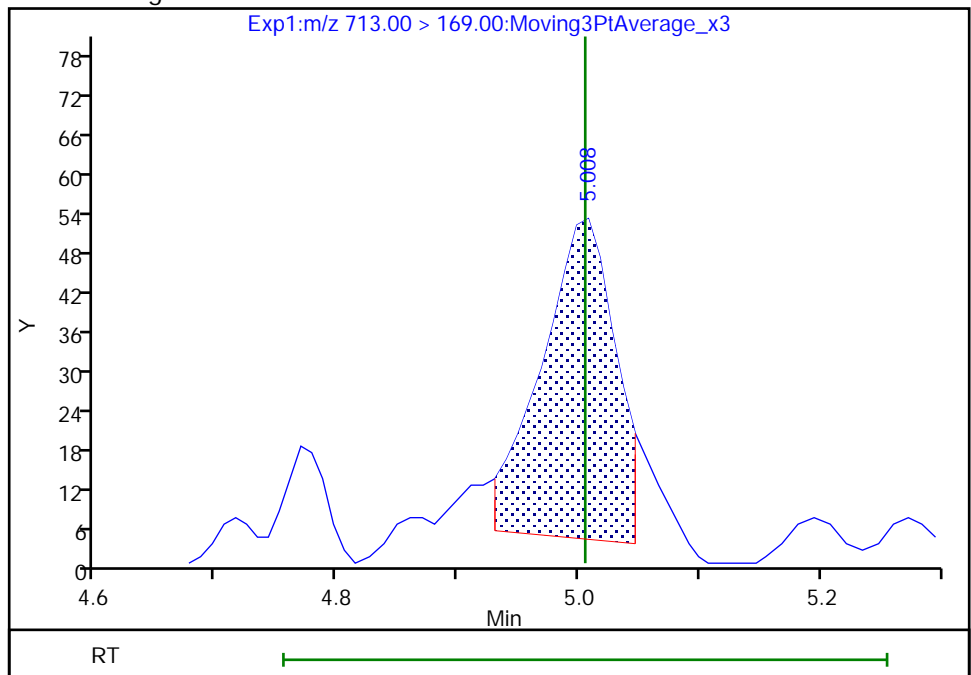
Not Detected  
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.01  
Area: 207  
Amount: 0.003311  
Amount Units: ng/ml



Reviewer: deannd, 22-Jan-2021 09:56:07

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

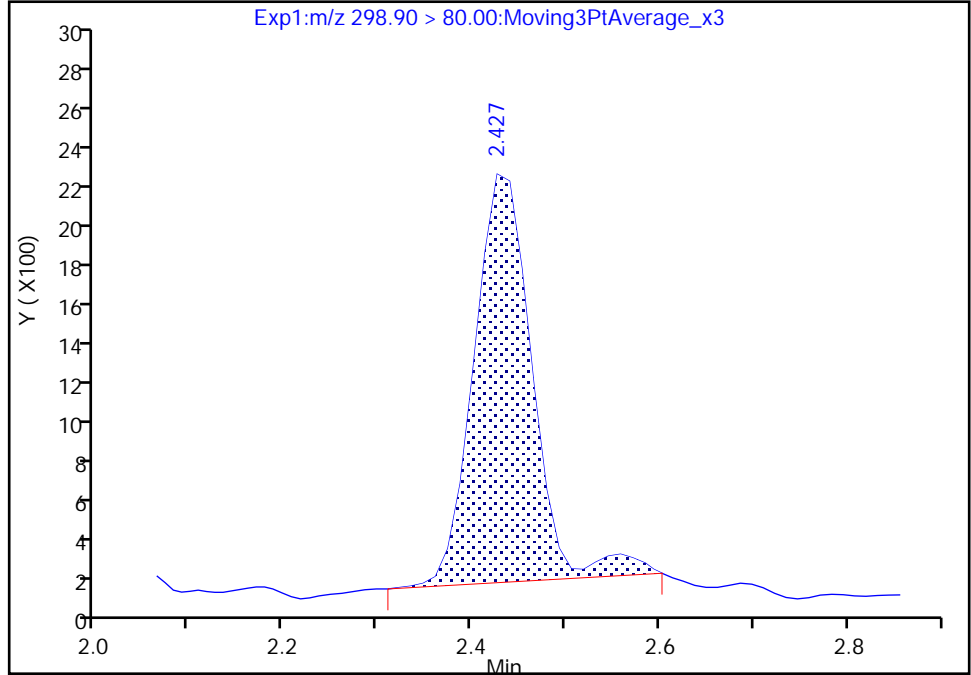
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

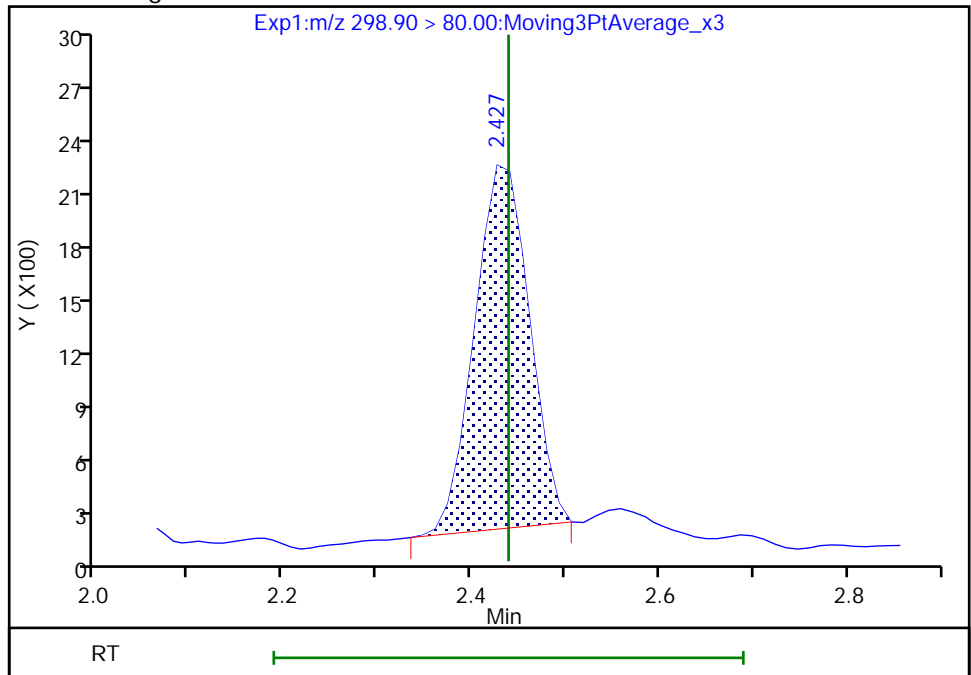
RT: 2.43  
Area: 8862  
Amount: 0.007632  
Amount Units: ng/ml

Processing Integration Results



RT: 2.43  
Area: 8180  
Amount: 0.007044  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:18:10  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

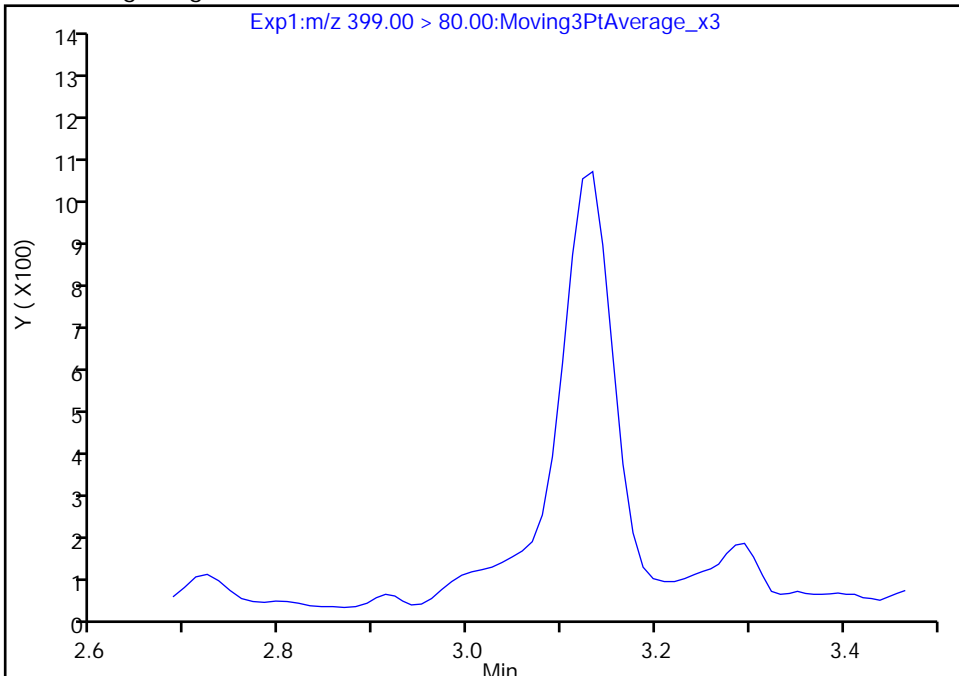
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

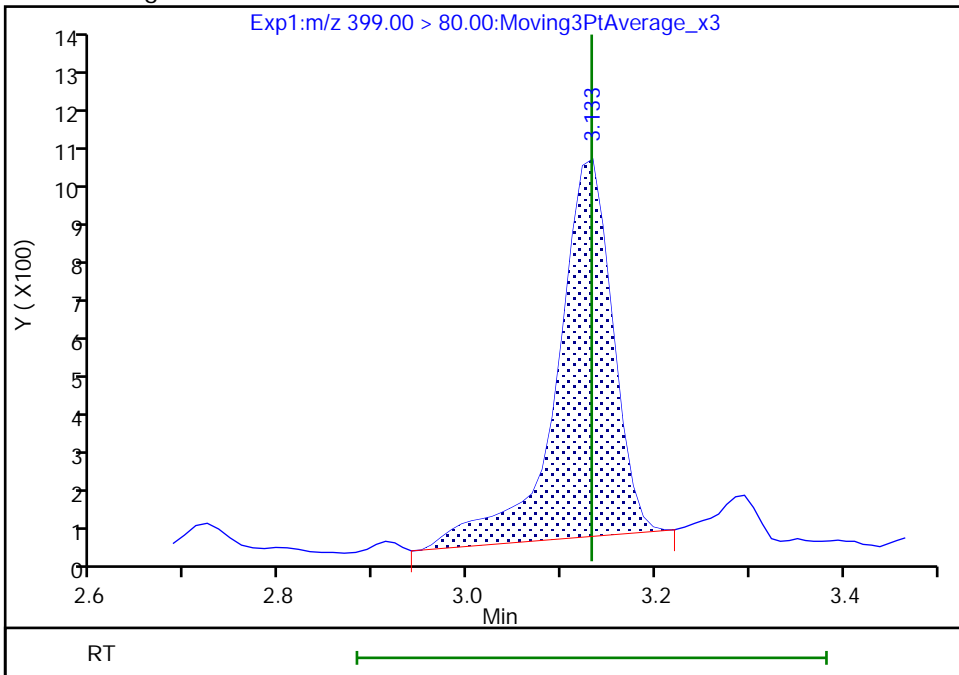
Not Detected  
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13  
Area: 4090  
Amount: 0.004781  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:18:56  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

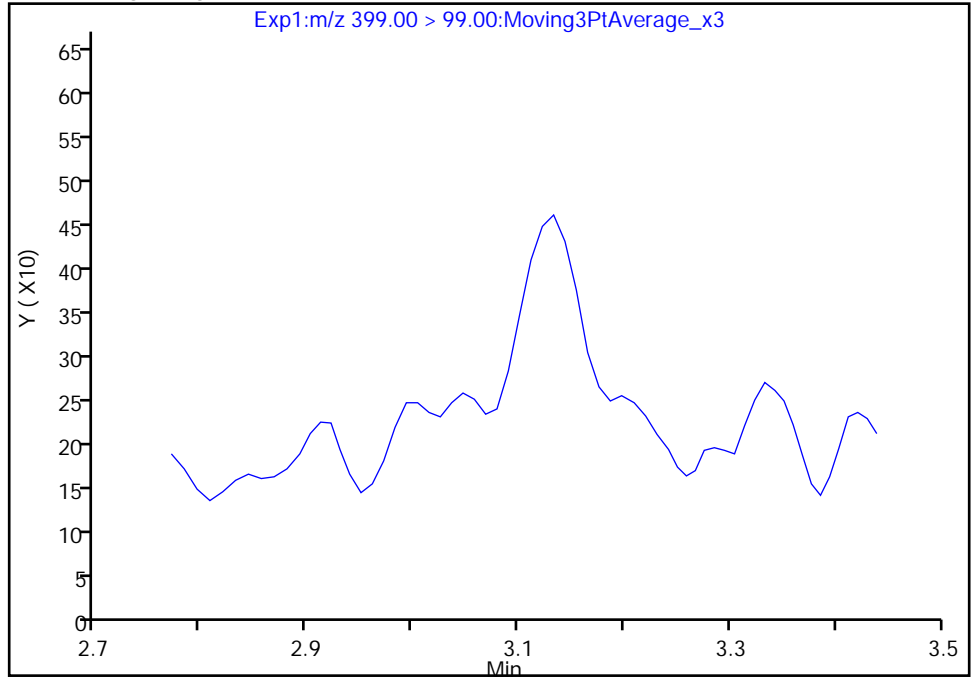
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

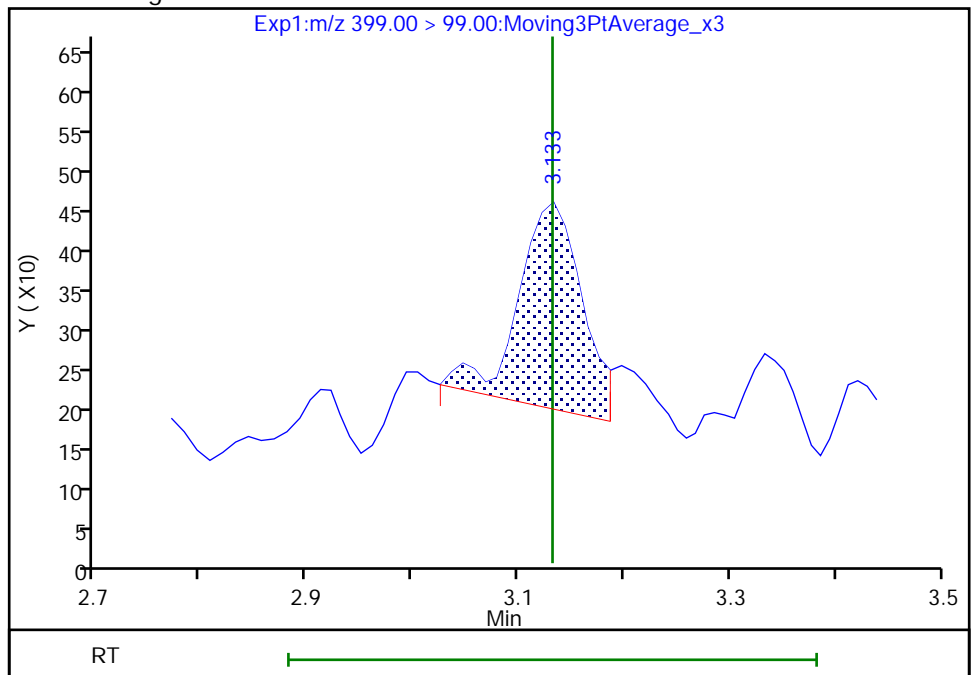
Not Detected  
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13  
Area: 1074  
Amount: 0.004781  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:19:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

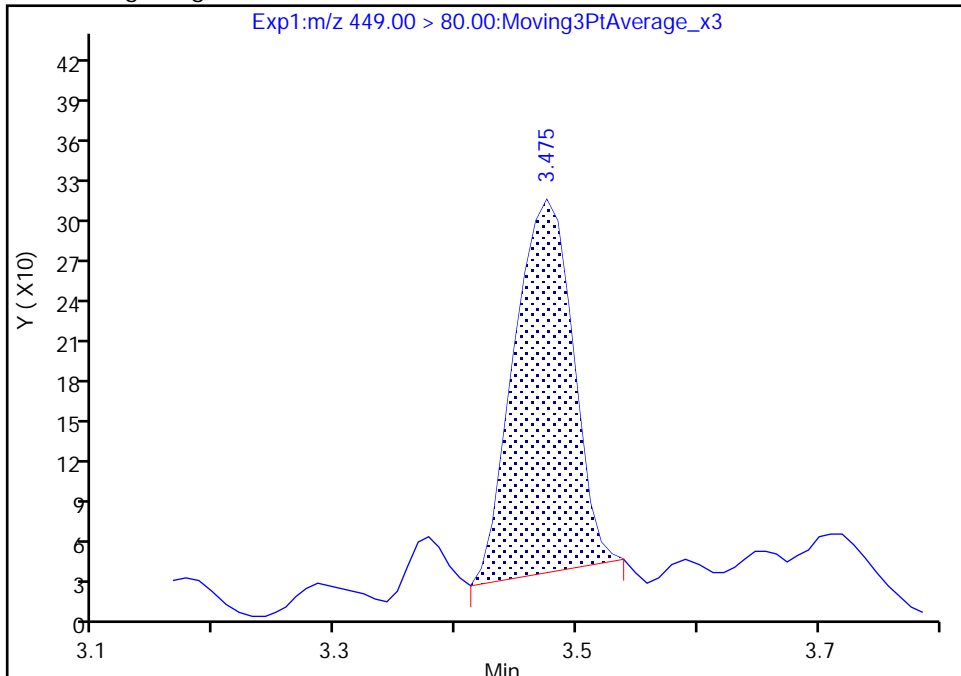
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

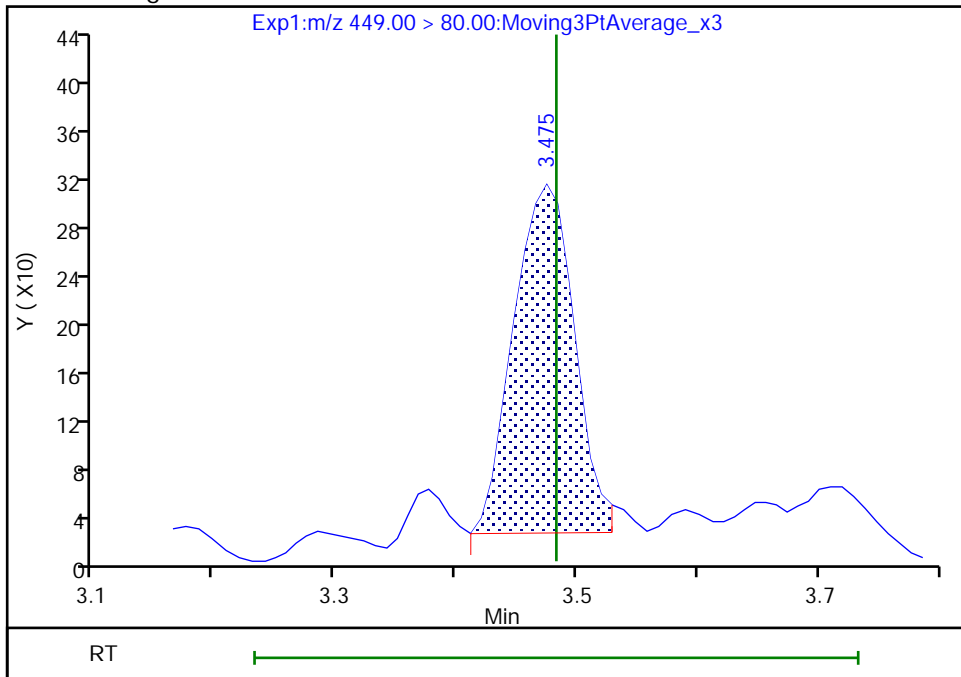
RT: 3.48  
Area: 951  
Amount: 0.001394  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 1011  
Amount: 0.001482  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:19:32  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

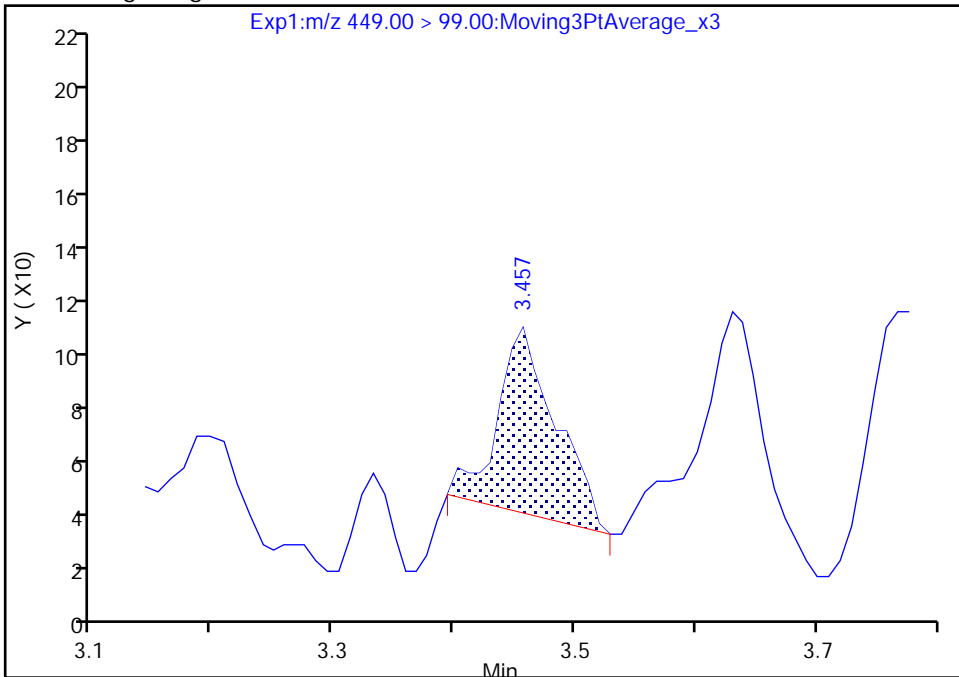
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

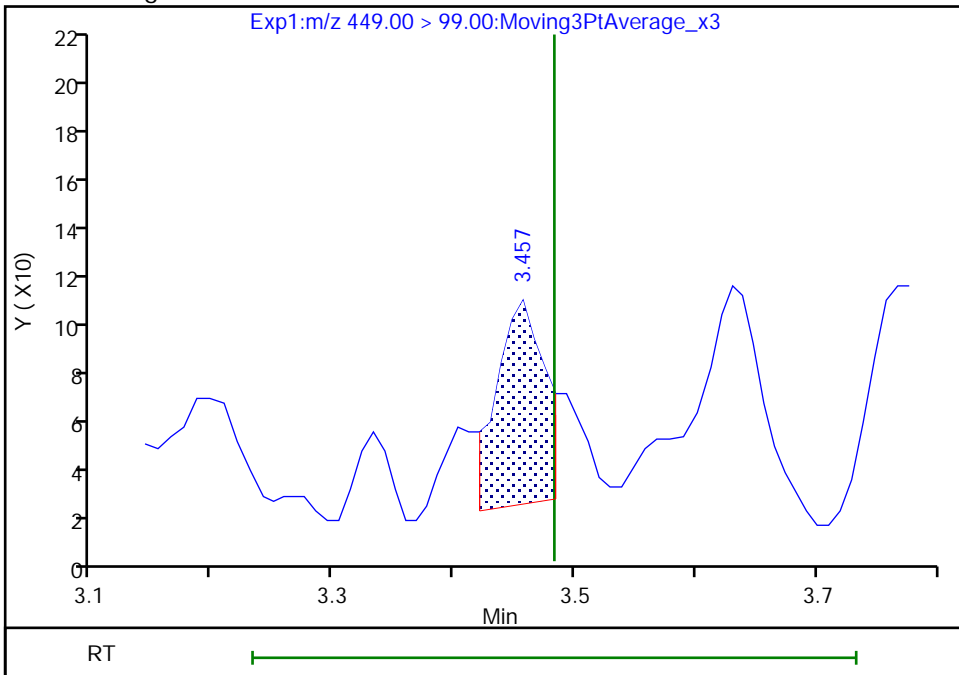
RT: 3.46  
Area: 234  
Amount: 0.001394  
Amount Units: ng/ml

Processing Integration Results



RT: 3.46  
Area: 227  
Amount: 0.001482  
Amount Units: ng/ml

Manual Integration Results



Eurofins TestAmerica, Burlington

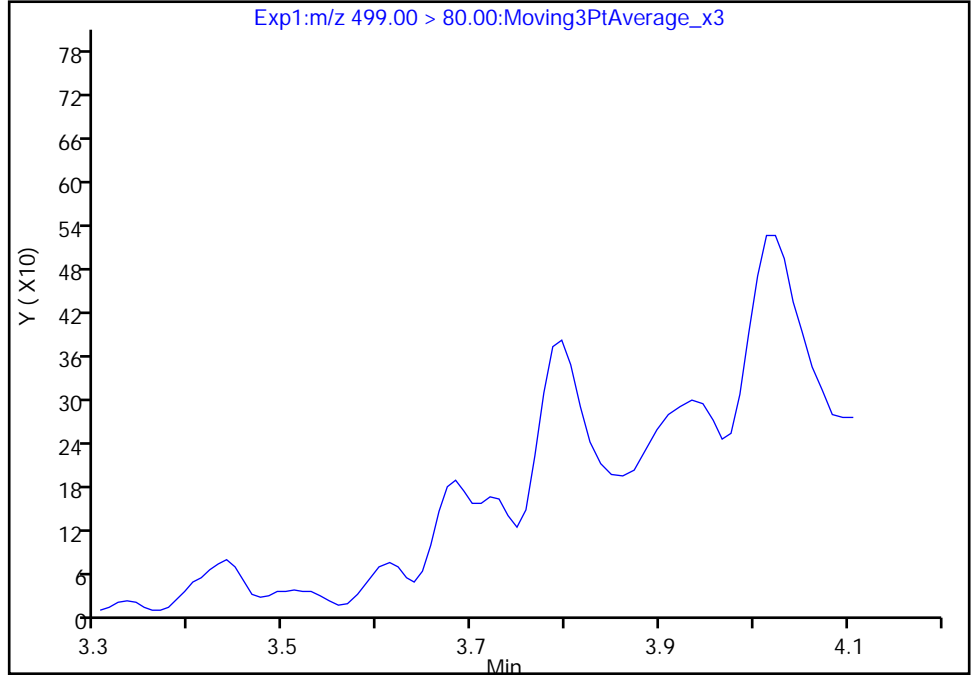
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

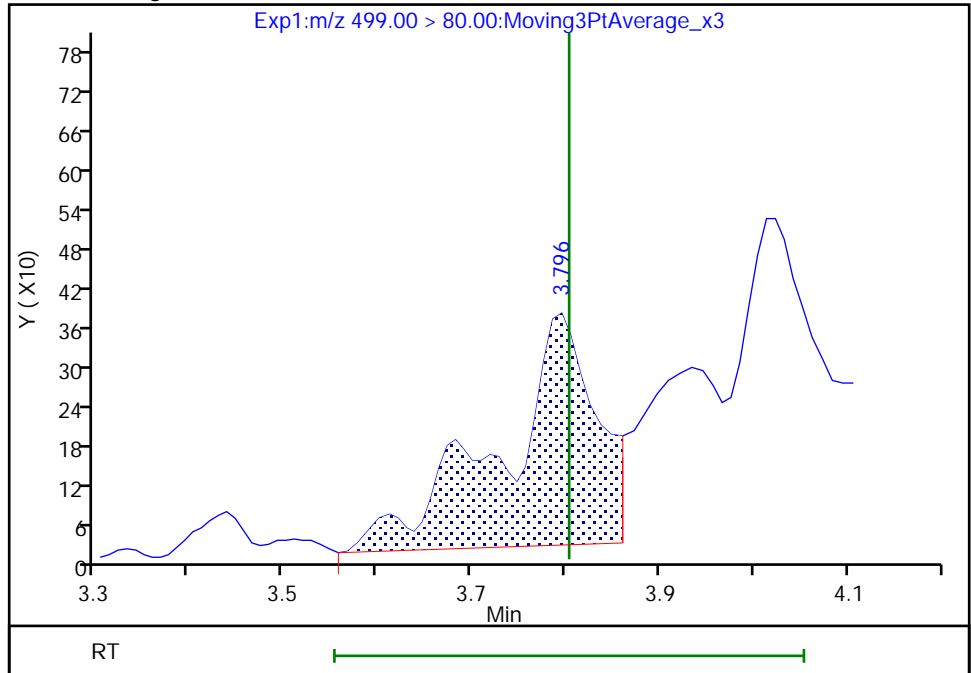
Not Detected  
Expected RT: 3.80

Processing Integration Results



RT: 3.80  
Area: 2513  
Amount: 0.004323  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:20:25  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

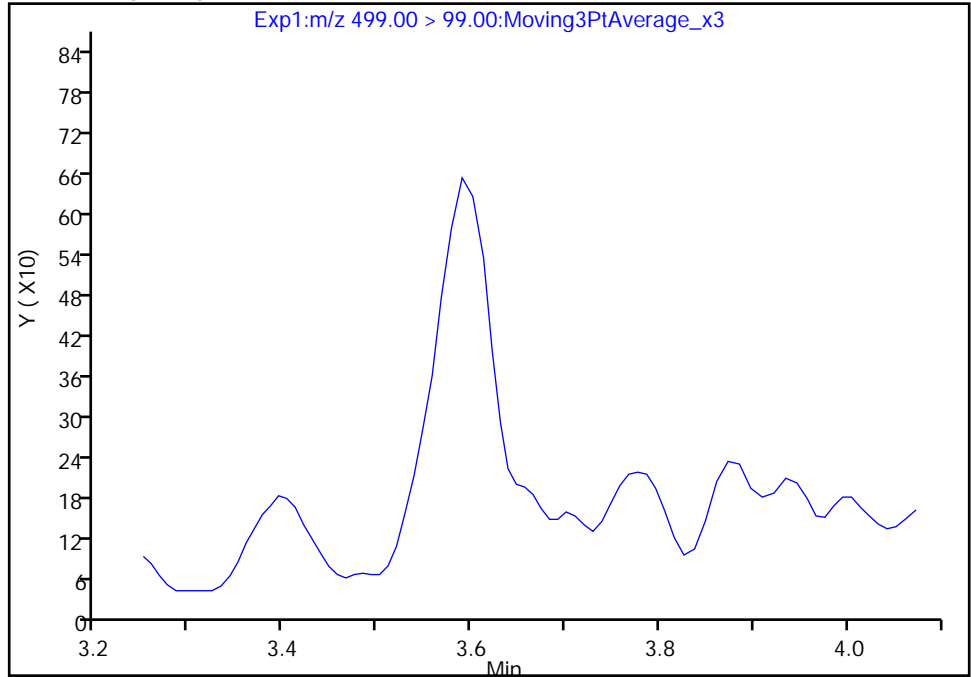
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

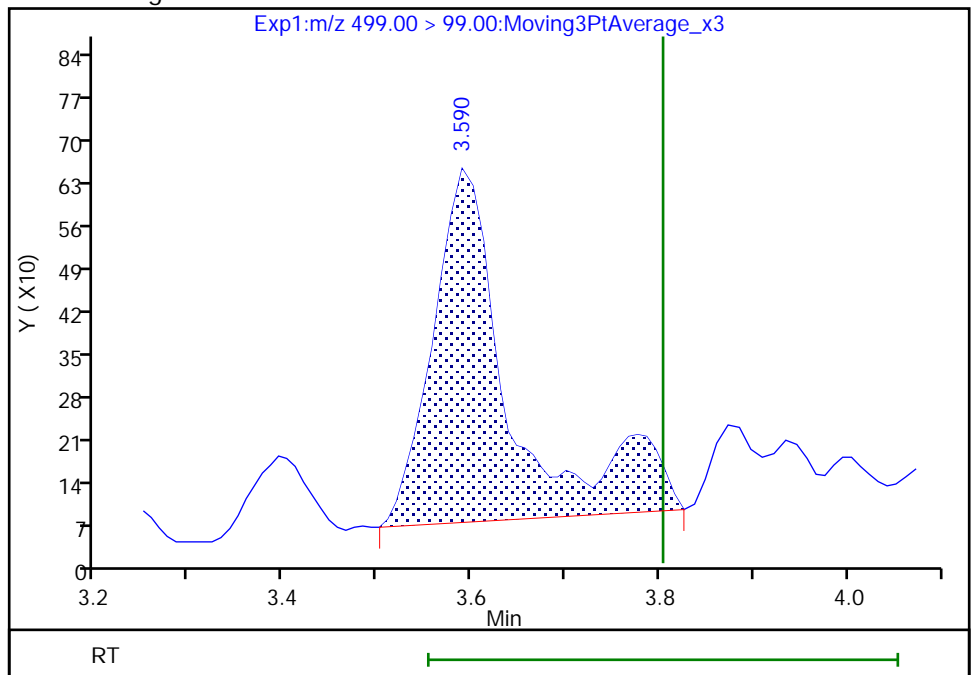
Not Detected  
Expected RT: 3.80

Processing Integration Results



RT: 3.59  
Area: 3361  
Amount: 0.004323  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:20:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

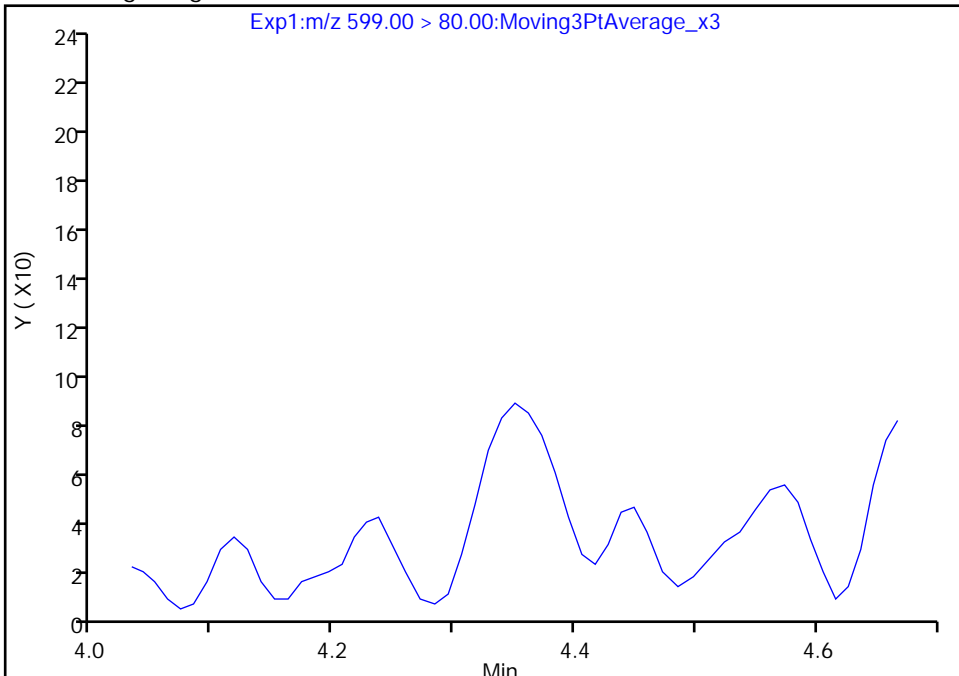
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

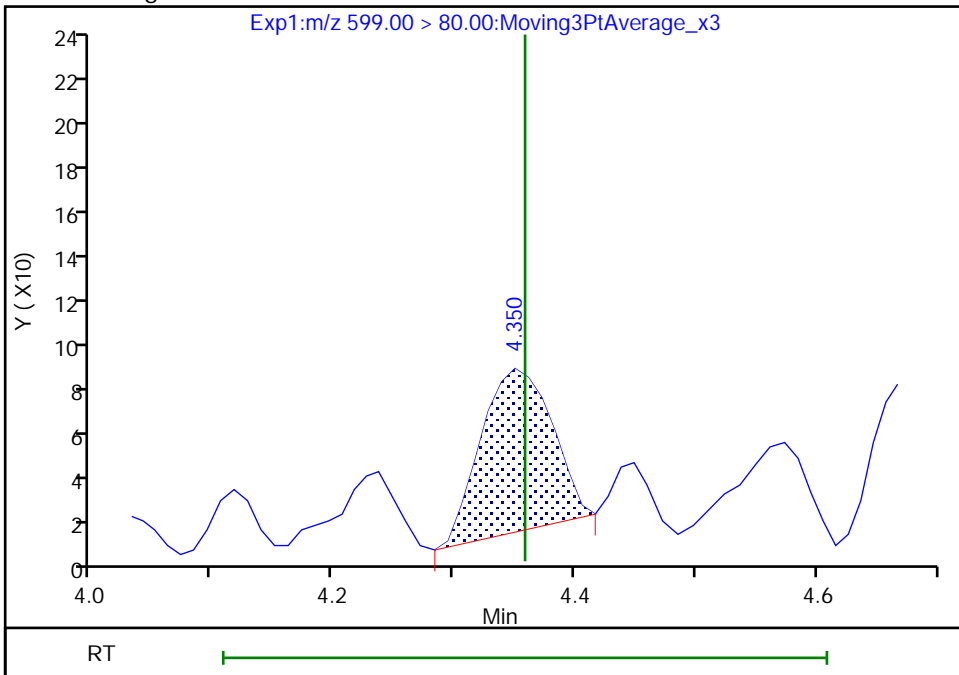
Not Detected  
Expected RT: 4.36

Processing Integration Results



RT: 4.35  
Area: 296  
Amount: 0.000856  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:21:33  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

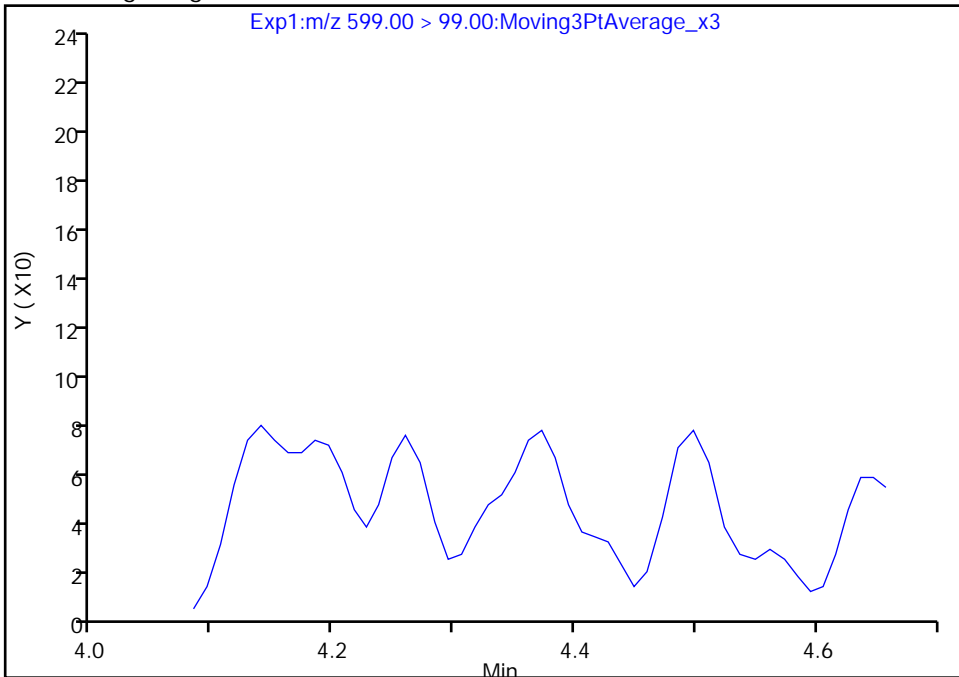
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

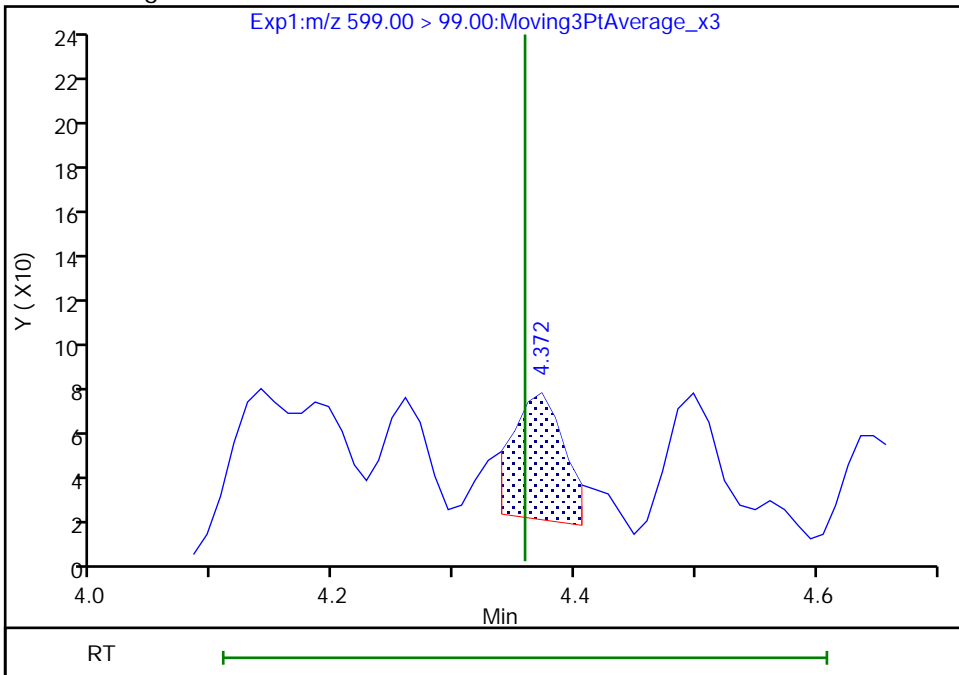
Not Detected  
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37  
Area: 161  
Amount: 0.000856  
Amount Units: ng/ml



Euofins TestAmerica, Burlington

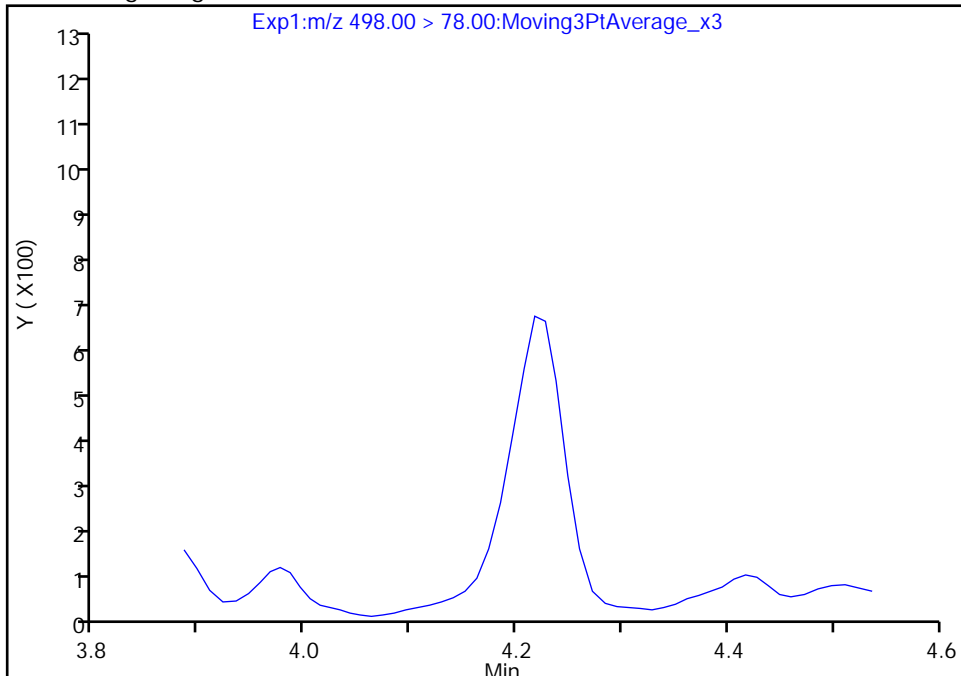
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

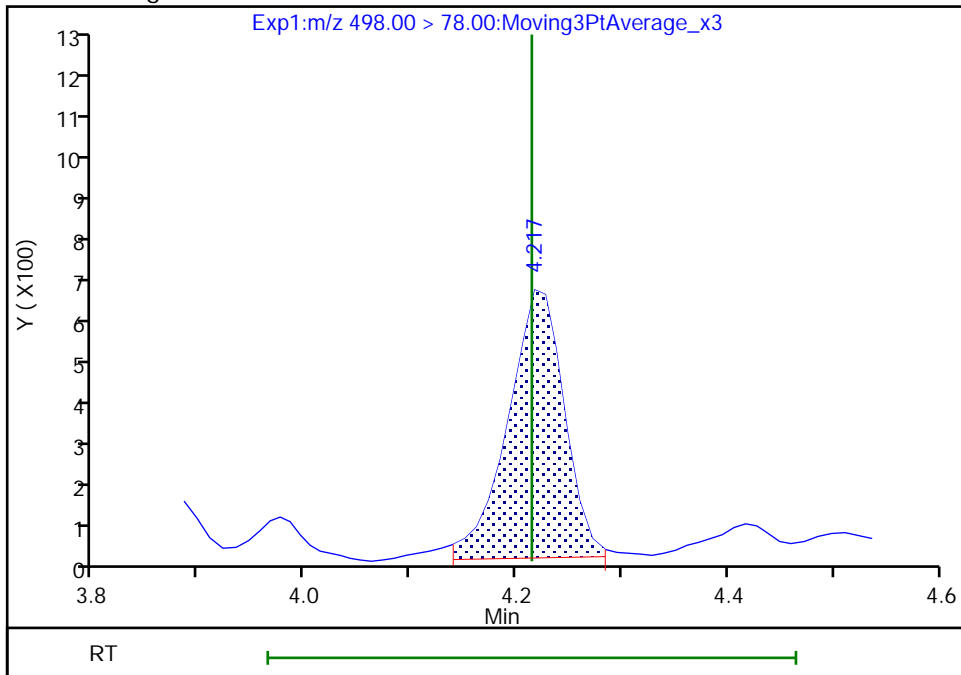
Not Detected  
Expected RT: 4.21

Processing Integration Results



Manual Integration Results

RT: 4.22  
Area: 2345  
Amount: 0.003199  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:21:20  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

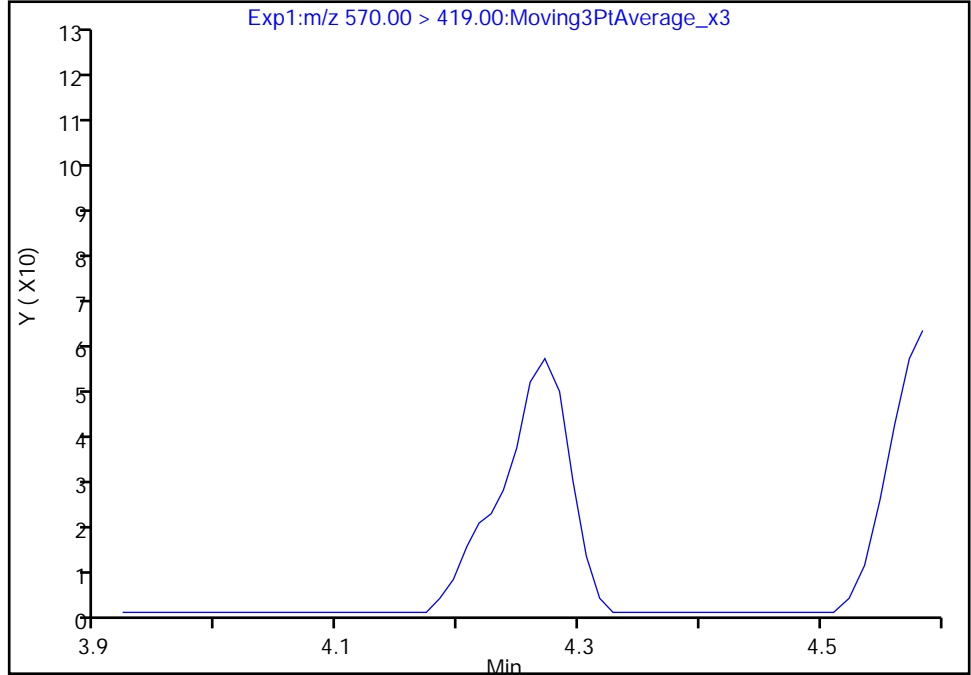
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

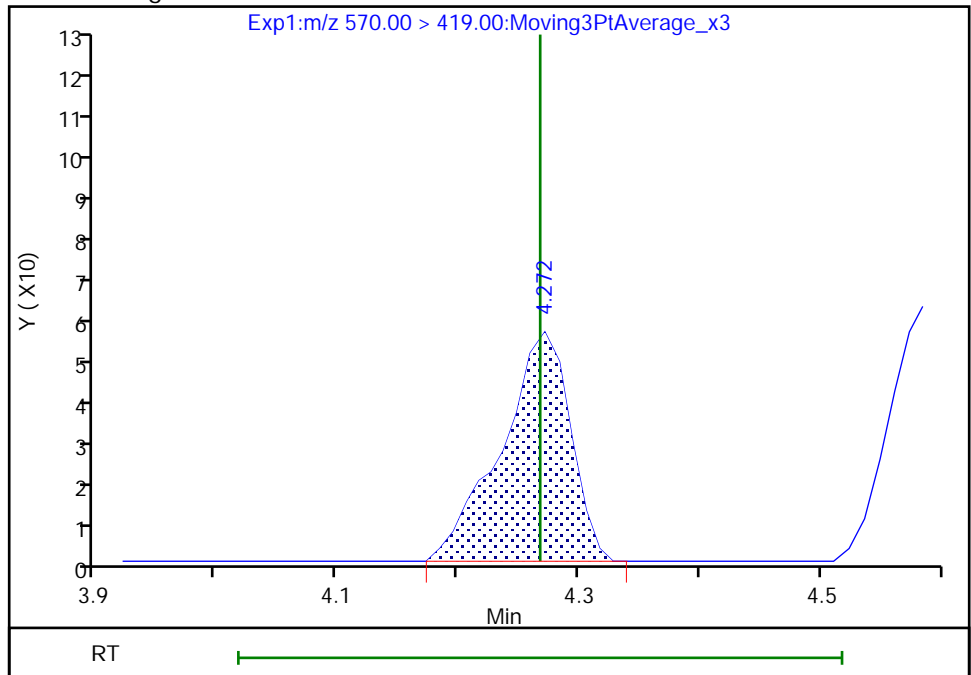
Not Detected  
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.27  
Area: 214  
Amount: 0.005611  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:21:26  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

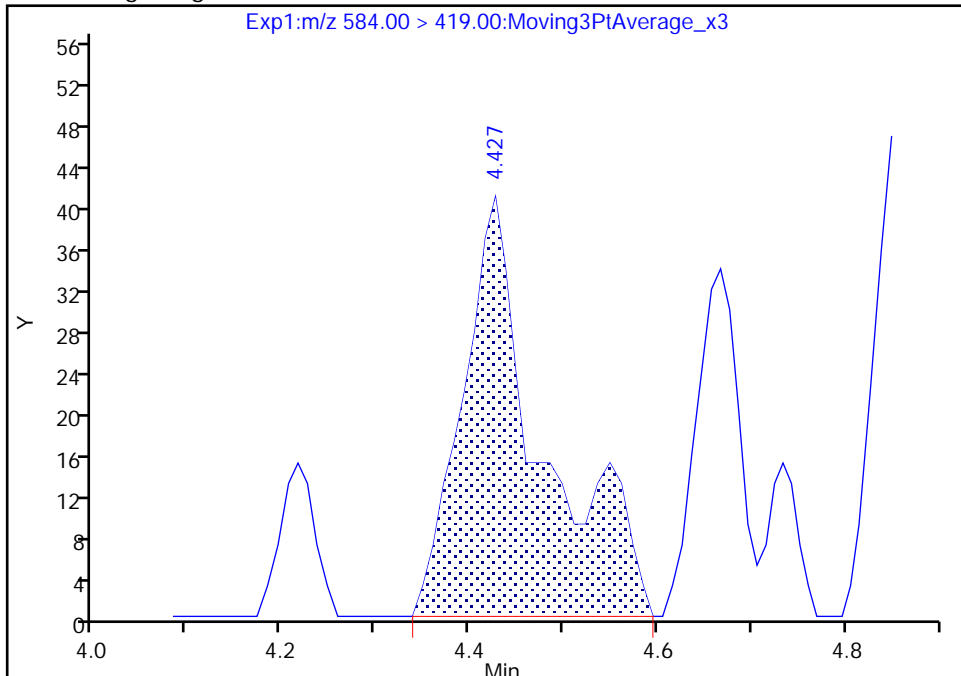
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

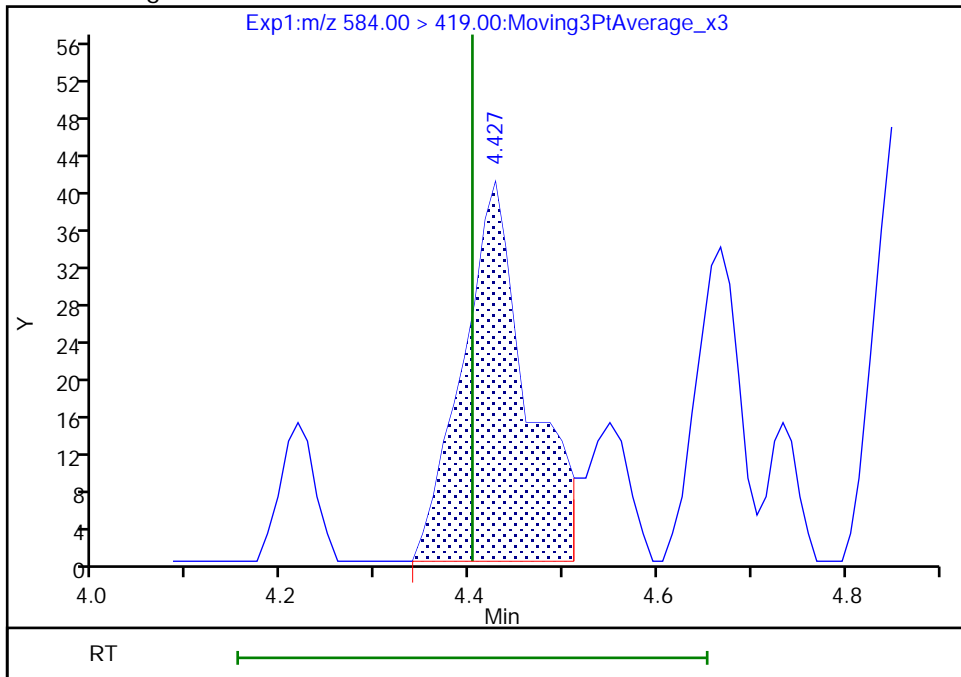
RT: 4.43  
Area: 242  
Amount: 0.007465  
Amount Units: ng/ml

Processing Integration Results



RT: 4.43  
Area: 194  
Amount: 0.005984  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Jan-2021 09:54:44  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



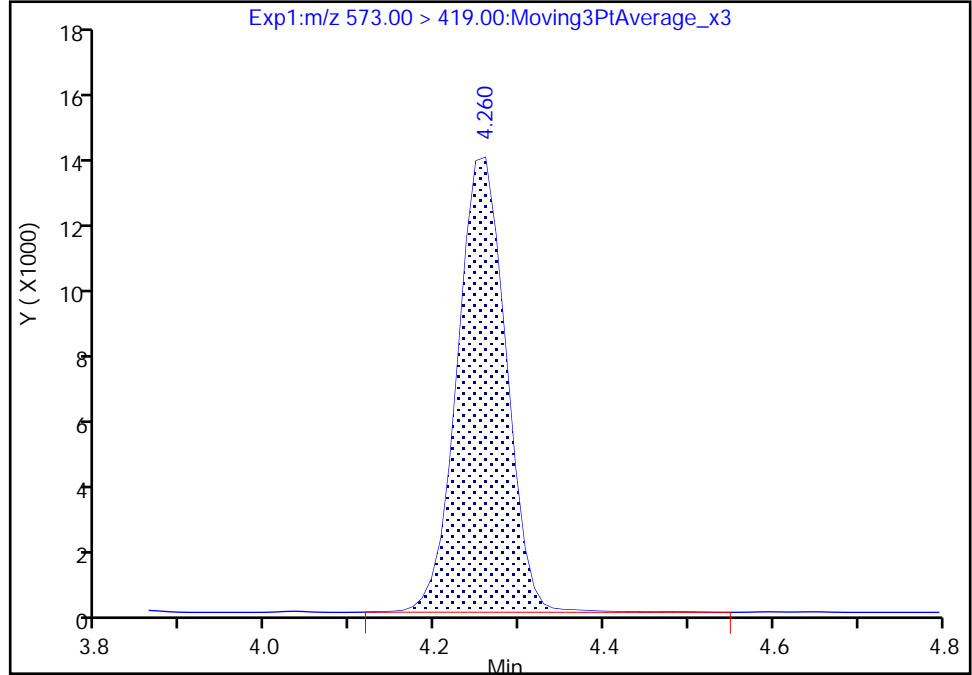
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118  
Signal: 1

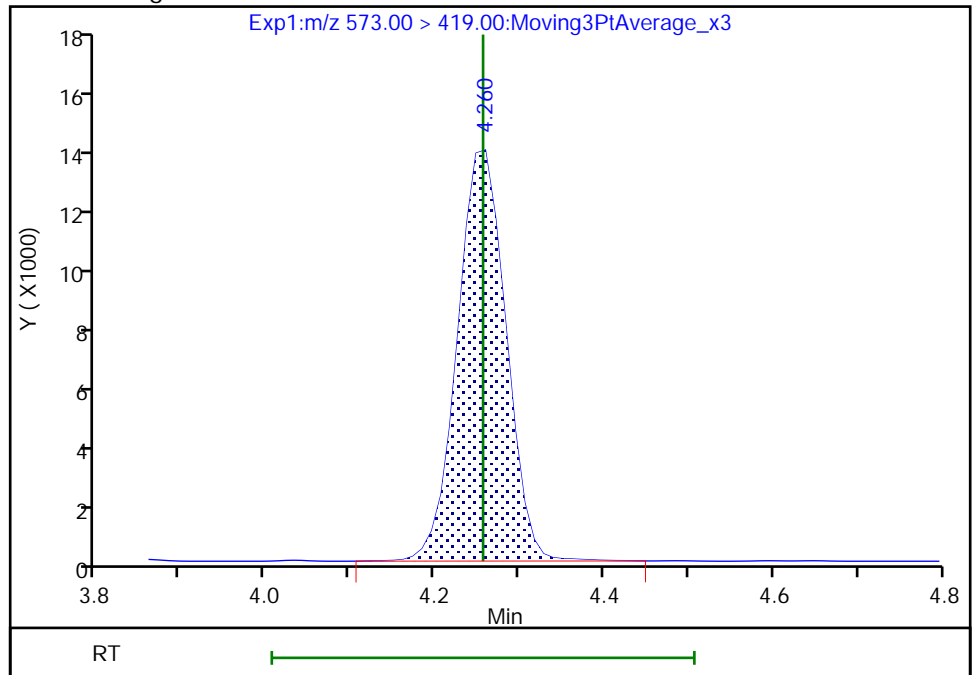
RT: 4.26  
Area: 53877  
Amount: 1.138416  
Amount Units: ng/ml

Processing Integration Results



RT: 4.26  
Area: 53785  
Amount: 1.136472  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:17:45  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Burlington

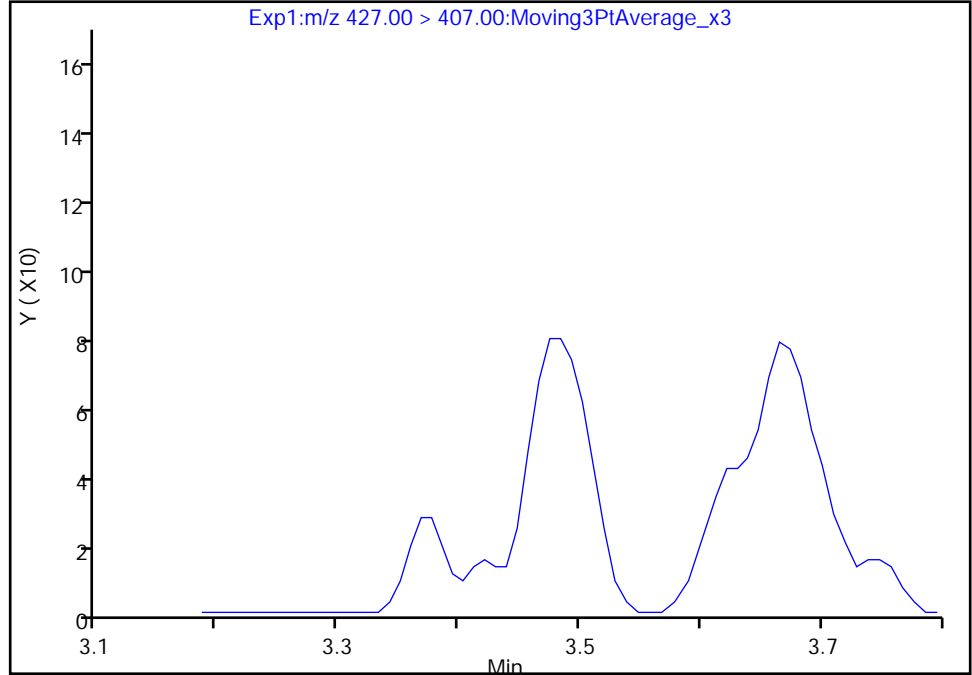
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

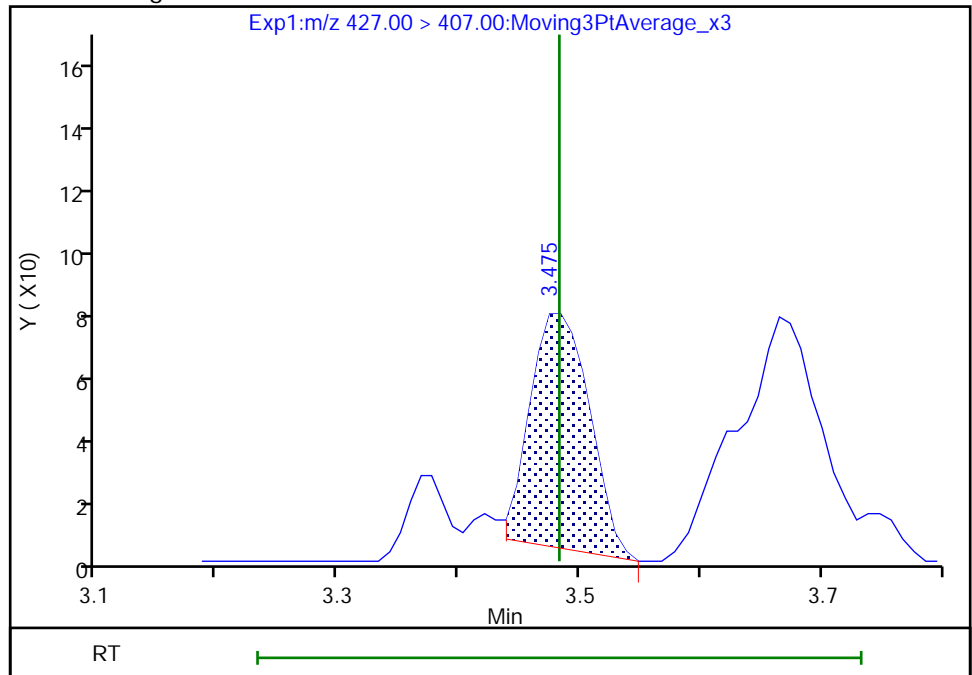
Not Detected  
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.48  
Area: 251  
Amount: 0.002423  
Amount Units: ng/ml



Reviewer: khanphomeea, 22-Jan-2021 11:19:53  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

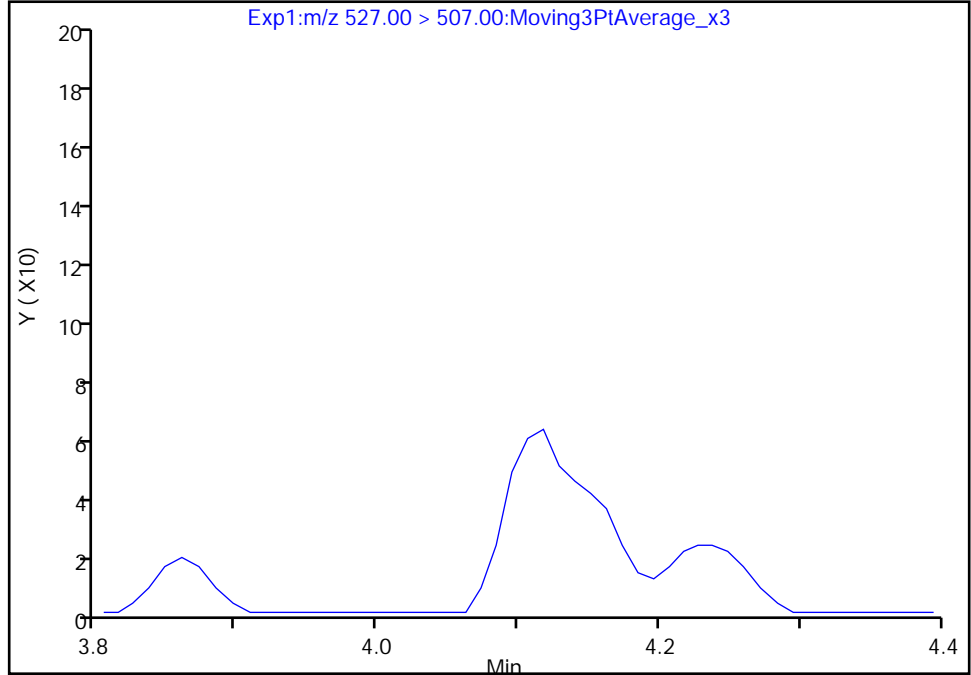
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C02.d  
Injection Date: 21-Jan-2021 21:13:10 Instrument ID: LC812  
Lims ID: MB 200-163122/1-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

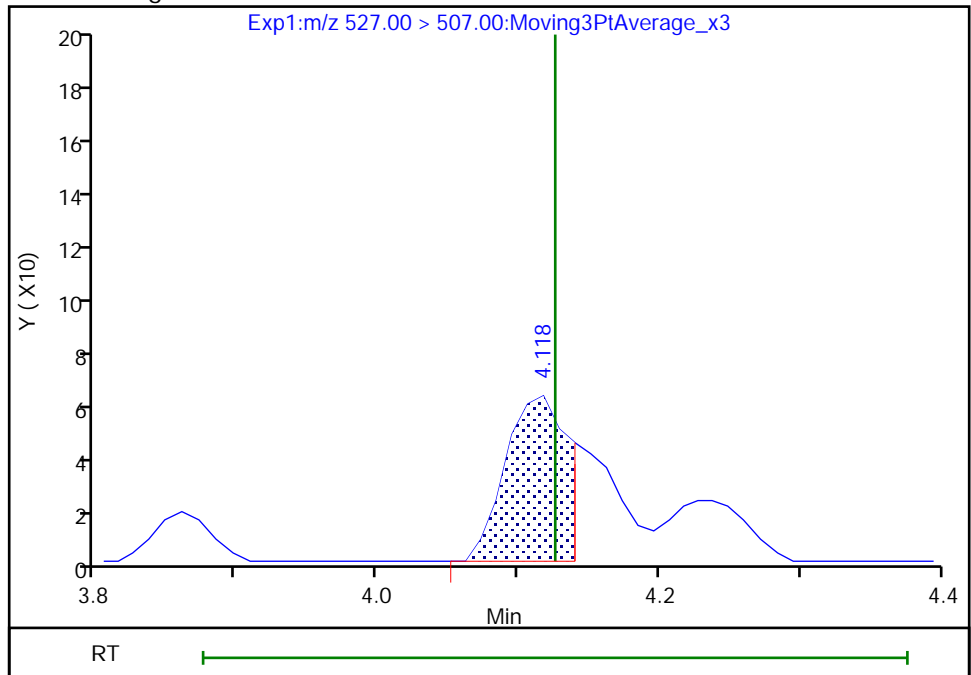
Not Detected  
Expected RT: 4.13

Processing Integration Results



RT: 4.12  
Area: 175  
Amount: 0.002717  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:21:10  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: ICB 200-162365/14  
 Matrix: Water Lab File ID: PA201222ICAL014.d  
 Analysis Method: 537 (modified) Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/22/2020 13:37  
 Con. Extract Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 162365 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.13	U	0.13	0.028
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.050	U	0.050	0.027
307-24-4	Perfluorohexanoic acid (PFHxA)	0.050	U	0.050	0.021
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.050	U	0.050	0.012
335-67-1	Perfluorooctanoic acid (PFOA)	0.050	U	0.050	0.024
375-95-1	Perfluorononanoic acid (PFNA)	0.050	U	0.050	0.015
335-76-2	Perfluorodecanoic acid (PFDA)	0.050	U	0.050	0.012
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.050	U	0.050	0.018
307-55-1	Perfluorododecanoic acid (PFDoA)	0.050	U	0.050	0.012
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.050	U	0.050	0.011
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.050	U	0.050	0.015
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.050	U	0.050	0.016
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.050	U	0.050	0.017
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.050	U	0.050	0.0097
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.022
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.050	U	0.050	0.012
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.050	U	0.050	0.014
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.020
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.023
27619-97-2	6:2 FTS	0.13	U	0.13	0.018
39108-34-4	8:2 FTS	0.050	U	0.050	0.017

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: ICB 200-162365/14  
 Matrix: Water Lab File ID: PA201222ICAL014.d  
 Analysis Method: 537 (modified) Date Collected: \_\_\_\_\_  
 Extraction Method: \_\_\_\_\_ Date Extracted: \_\_\_\_\_  
 Sample wt/vol: 1(mL) Date Analyzed: 12/22/2020 13:37  
 Con. Extract Vol.: \_\_\_\_\_ Dilution Factor: 1  
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 162365 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	103		25-150
STL00992	13C4 PFBA	100		25-150
STL01893	13C5 PFPeA	102		25-150
STL00993	13C2 PFHxA	102		50-150
STL01892	13C4 PFHpA	100		50-150
STL00990	13C4 PFOA	100		50-150
STL00995	13C5 PFNA	99		50-150
STL00996	13C2 PFDA	104		50-150
STL00997	13C2 PFUnA	98		50-150
STL00998	13C2 PFDoA	101		50-150
STL02116	13C2 PFTeDA	96		50-150
STL02337	13C3 PFBS	103		50-150
STL00994	18O2 PFHxS	97		50-150
STL00991	13C4 PFOS	98		50-150
STL02118	d3-NMeFOSAA	100		50-150
STL02117	d5-NEtFOSAA	99		50-150
STL02279	M2-6:2 FTS	109		25-150
STL02280	M2-8:2 FTS	103		25-150

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
 Lims ID: ICB  
 Client ID:  
 Sample Type: ICB  
 Inject. Date: 22-Dec-2020 13:37:53 ALS Bottle#: 8 Worklist Smp#: 14  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: ICB  
 Misc. Info.: 200-0044184-014 Plate: 1 Rack: 1  
 Operator ID: lc812tech Instrument ID: LC812  
 Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Dec-2020 16:15:18 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1625  
 First Level Reviewer: deannd Date: 22-Dec-2020 15:11:47  
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.091	2.091	0.0	0.599	1173665	1.25	99.8	9886	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.000	12982	0.0138		1.6		M
D 3 13C5 PFPeA	267.90 > 223.00	2.414	2.414	0.0	0.691	870248	1.28	102	3296	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.427	2.414	0.013	1.005	13607	0.0177		0.4		M
D 47 13C3 PFBS	301.90 > 80.00	2.427	2.427	0.0	0.695	1071155	1.20	103	215365	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.427	0.0	1.000	9082	0.008713	Target=2.21	22.2		
298.90 > 99.00	2.427	2.427	0.0	1.000	4327		2.10(1.11-3.32)	5.0		
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.735	2.735	0.0	1.000	1640	0.0131		42.9		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.735	2.735	0.0	0.783	79652	1.07	91.3	91.4	M
D 7 13C2 PFHxA	315.00 > 270.00	2.772	2.771	0.001	0.793	905469	1.27	102	2676	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.772	2.771	0.001	1.000	10584	0.0134	Target=12.83	2.5		
313.00 > 119.00	2.772	2.771	0.001	1.000	1355		7.81(6.42-19.25)	2.8		M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.772	2.771	0.001	0.885	8000	0.009440	Target=3.35	32.6		
349.00 > 99.00	2.772	2.771	0.001	0.885	1790		4.47(1.67-5.02)	4.2		
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.869	2.881	-0.012	0.996	2424	0.0118		0.2		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.881	2.881	0.0	0.825	185110	1.47		118	1362	
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.133	0.0	0.897	763583	1.15		96.9	2119	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.133	3.133	0.0	1.000	8748	0.0115	Target=4.15	11.7		M
399.00 > 99.00	3.133	3.133	0.0	1.000	1791		4.88(2.08-6.23)	1.8		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	853271	1.25		100	3488	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.133	0.0	1.000	8899	0.0119	Target=3.66	2.2		R
363.00 > 169.00	3.133	3.133	0.0	1.000	1499		5.94(1.83-5.49)	4.3		R
77 DONA										
377.00 > 251.00	3.176	3.176	0.0	0.834	15086	0.0101	Target=2.43	20.4		M
377.00 > 85.00	3.176	3.176	0.0	0.834	6276		2.40(1.22-3.65)	7.5		M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.484	3.484	0.0	0.915	5119	0.008490	Target=5.95	44.8		M
449.00 > 99.00	3.475	3.484	-0.009	0.913	729		7.02(2.98-8.93)	4.5		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.484	3.484	0.0	0.997	108027	1.30		109	442	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.484	3.484	0.0	1.000	982	0.009705			21.8	
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.493	0.0	1.000	869355	1.25		100	2767	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.493	0.0		875786	1.25			3053	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.502	3.493	0.009	1.003	9141	0.0121	Target=2.58	1.9		RM
413.00 > 169.00	3.493	3.493	0.0	1.000	2098		4.36(1.29-3.87)	4.5		M
D 18 13C4 PFOS										
503.00 > 80.00	3.808	3.806	0.002	1.090	533628	1.17		97.6	1320	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.808	3.806	0.002	1.000	5152	0.0100	Target=5.65	6.2		M
499.00 > 99.00	3.808	3.806	0.002	1.000	1104		4.67(2.82-8.47)	3.8		M
D 19 13C5 PFNA										
468.00 > 423.00	3.828	3.826	0.002	1.096	760508	1.24		99.5	2162	
20 Perfluorononanoic acid										
463.00 > 419.00	3.828	3.826	0.002	1.000	8165	0.0121	Target=7.44	1.2		M
463.00 > 169.00	3.828	3.826	0.002	1.000	881		9.27(3.72-11.16)	12.4		M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.969	3.967	0.002	1.042	5164	0.009012			36.7	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.097	4.095	0.002	1.076	3234	0.008440	Target=2.54	28.8		M
549.00 > 99.00	4.097	4.095	0.002	1.076	998		3.24(1.27-3.81)	4.3		M
D 23 13C2 PFDA										
515.00 > 470.00	4.131	4.129	0.002	1.183	756796	1.29		104	2401	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.131	4.129	0.002	1.000	5959	0.009551	Target=9.29	4.8		
513.00 > 169.00	4.131	4.129	0.002	1.000	974		6.12(4.64-13.93)	7.4		M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.142	4.140	0.002	1.000	423	0.007027		10.6		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.142	4.140	0.002	1.186	105991	1.24		103	674	
D 21 13C8 FOSA										
506.00 > 78.00	4.209	4.207	0.002	1.205	1104824	1.29		103	2293	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.209	4.207	0.002	1.000	7326	0.008271		20.9		
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.263	4.272	-0.009	1.220	53054	1.25		100	542	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.275	4.272	0.003	1.003	674	0.0179		6.0		M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.362	0.003	1.146	3322	0.0109	Target=2.80	32.2		
599.00 > 99.00	4.365	4.362	0.003	1.146	1286		2.58(1.40-4.19)	4.8		
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.384	0.003	1.256	585825	1.22		97.6	1805	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.395	0.003	1.003	5801	0.0121	Target=8.12	2.3		M
563.00 > 169.00	4.398	4.395	0.003	1.003	1008		5.75(4.06-12.18)	27.5		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.395	0.003	1.259	50776	1.24		99.1	423	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.406	-0.008	1.000	655	0.0174		8.2		M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.488	4.485	0.003	1.179	4699	0.007903		75.0		
D 36 13C2 PFDaA										
615.00 > 570.00	4.619	4.626	-0.007	1.322	637238	1.26		101	2862	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.619	4.626	-0.007	1.000	5753	0.0103	Target=6.91	1.7		R
613.00 > 169.00	4.619	4.626	-0.007	1.000	543		10.59(3.45-10.36)	11.2		M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.640	4.637	0.003	1.120	289	0.009325		11.4		M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.790	4.797	-0.007	1.258	518	0.004609	Target=0.51	2.4		M
699.00 > 99.00	4.799	4.797	0.002	1.260	1391		0.37(0.26-0.77)	6.4		M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.841	4.839	0.002	1.048	3436	0.007551	Target=4.39	1.6		
663.00 > 169.00	4.841	4.839	0.002	1.048	549		6.26(2.20-6.59)	10.1		
D 43 13C2 PFTeDA										
715.00 > 670.00	5.030	5.027	0.003	1.440	450010	1.20		96.0	2567	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.030	5.027	0.003	1.000	718	0.0108	Target=1.06	23.9		M
713.00 > 219.00	5.020	5.027	-0.007	0.998	467		1.54(0.53-1.59)	12.3		



Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.381	5.374	0.007	1.540	505826	1.26		101	1986	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.381	5.374	0.007	1.000	8267	0.006683	Target=3.84		2.5	
813.00 > 169.00	5.381	5.374	0.007	1.000	1701		4.86(1.92-5.76)		49.2	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.727	5.722	0.005	1.064	4106	0.0113	Target=3.92		3.5	
913.00 > 169.00	5.727	5.722	0.005	1.064	1091		3.76(1.96-5.88)		22.6	

**QC Flag Legend**

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

**Reagents:**

PFAS32NCBLK20\_00007

Amount Added: 100.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d

Injection Date: 22-Dec-2020 13:37:53

Instrument ID: LC812

Lims ID: ICB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

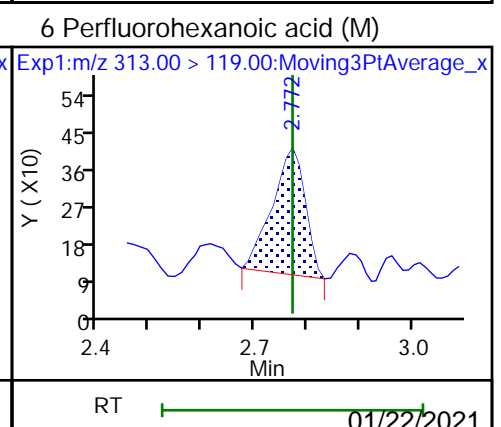
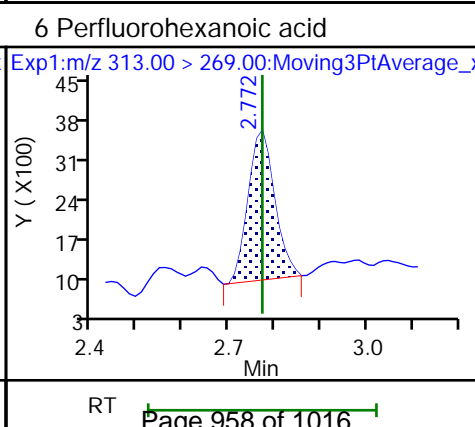
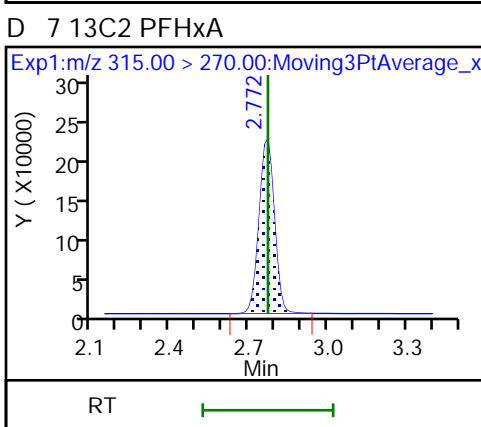
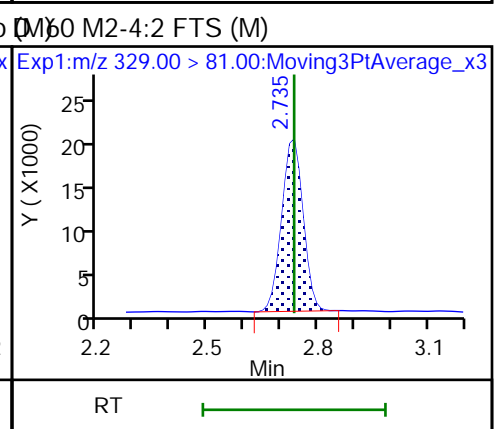
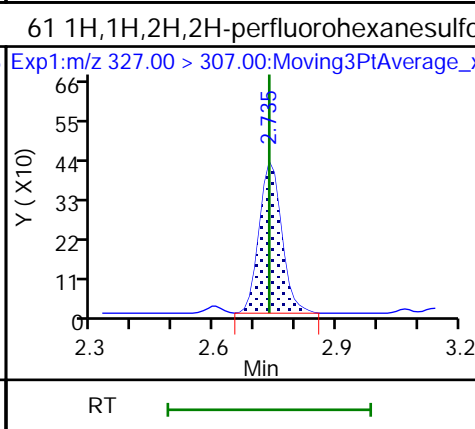
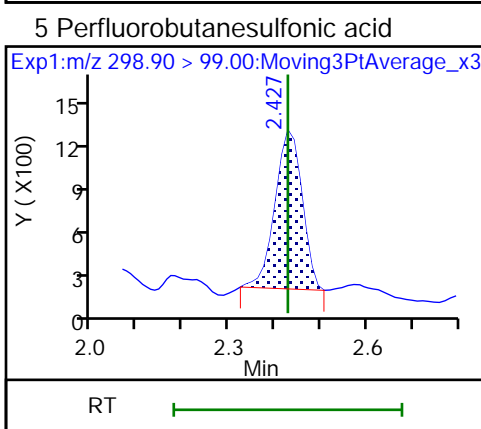
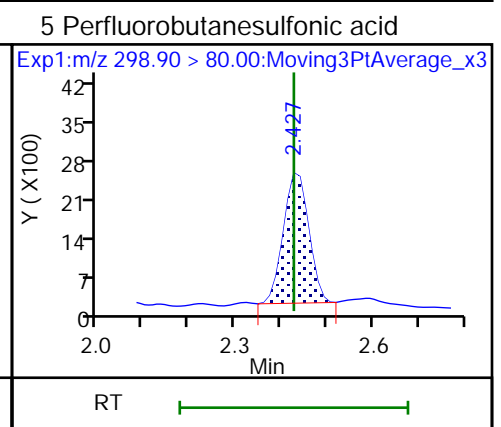
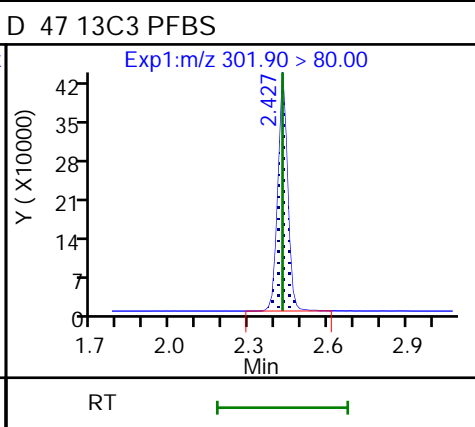
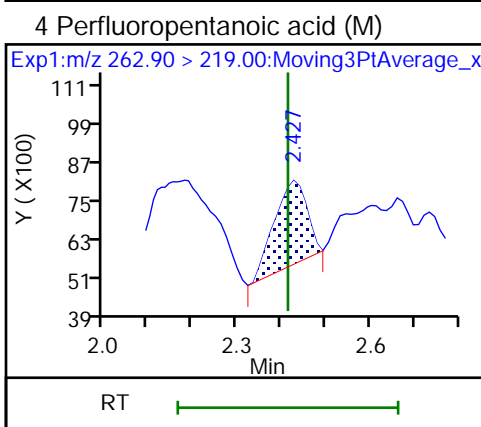
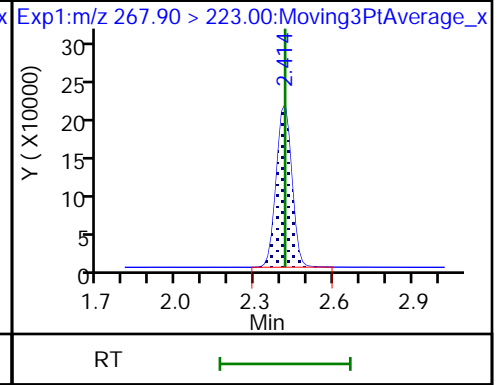
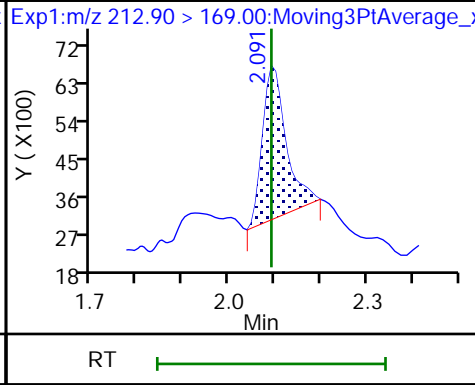
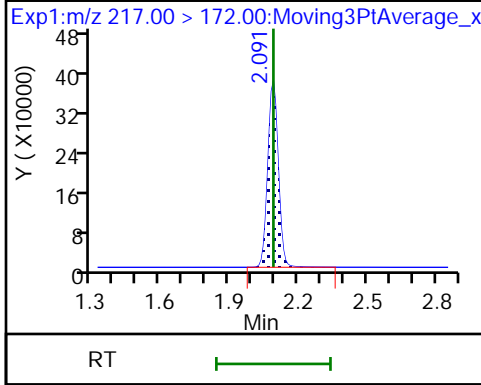
Method: PFC\_LC812

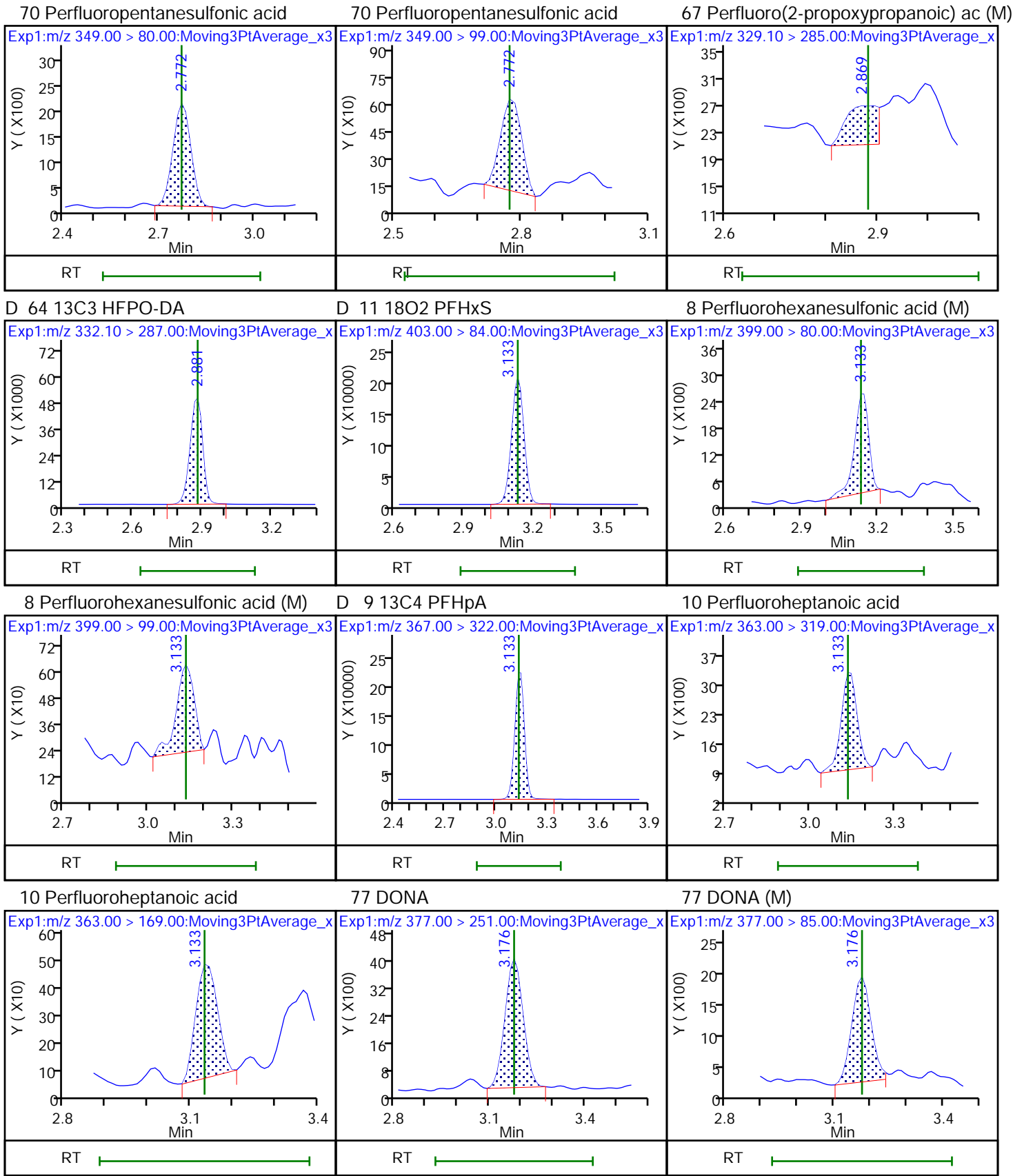
Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

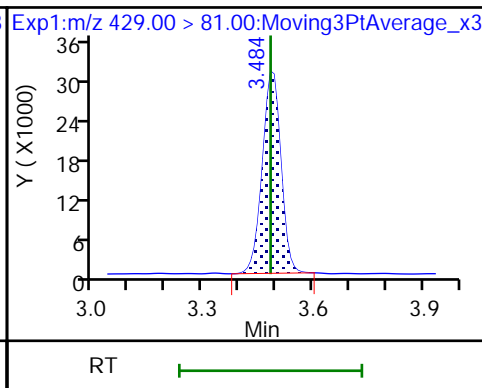
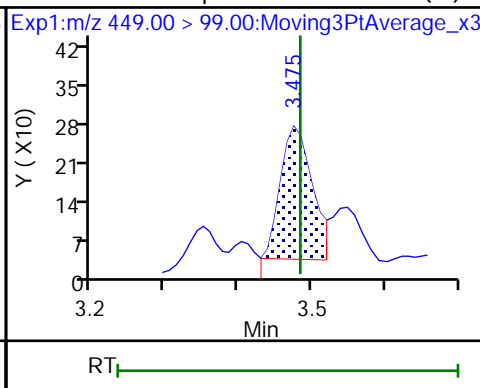
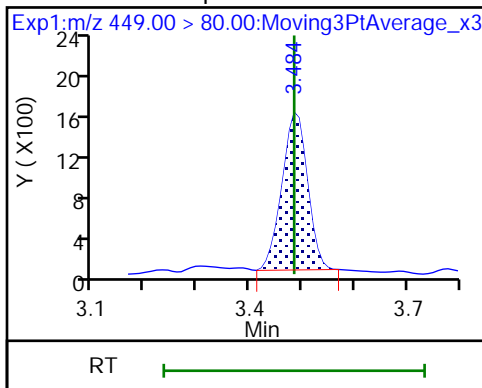




16 Perfluoroheptanesulfonic acid

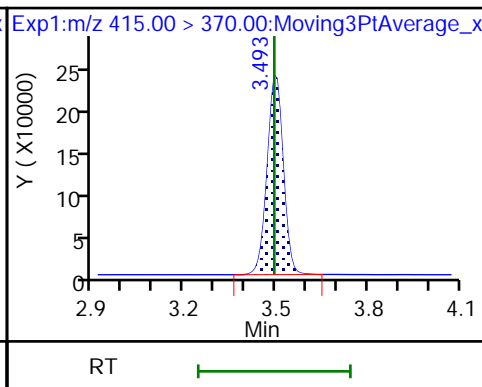
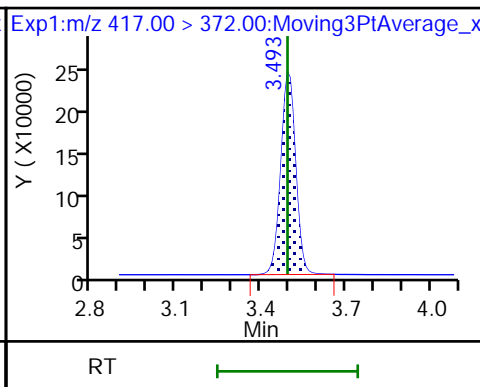
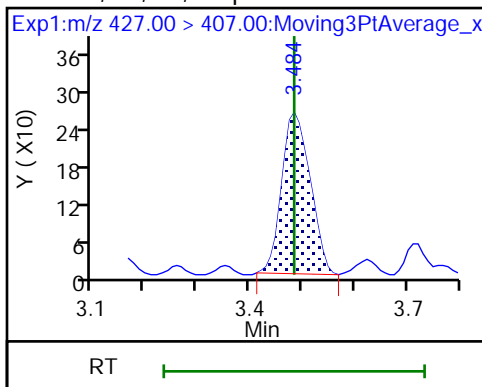
16 Perfluoroheptanesulfonic acid (M)

D 12 M2-6:2 FTS



13 1H,1H,2H,2H-perfluorooctanesulfo D 14 13C4 PFOA

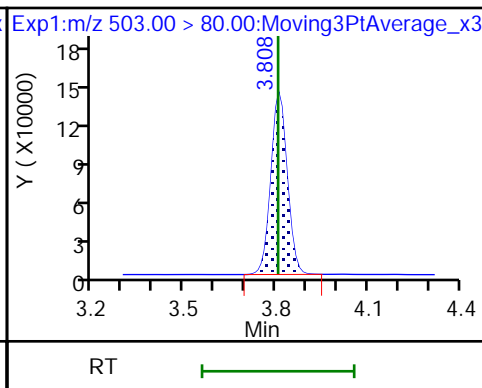
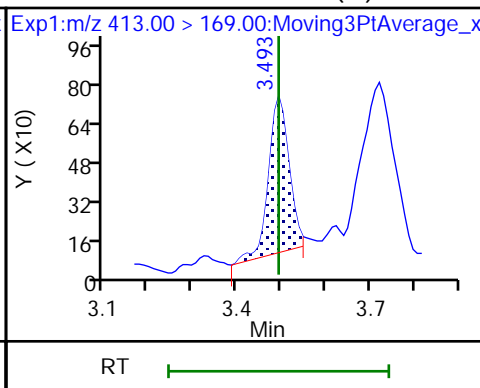
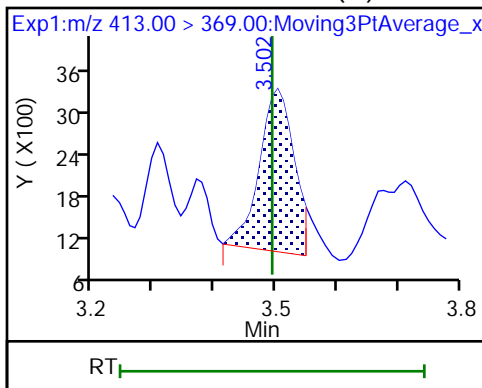
\* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

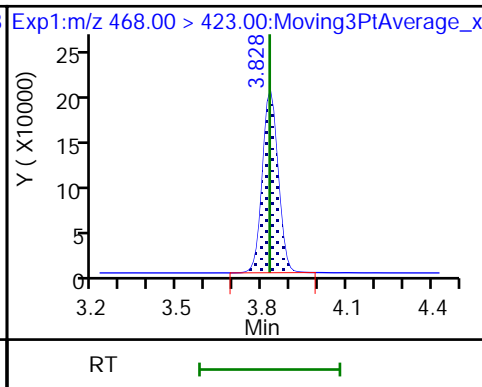
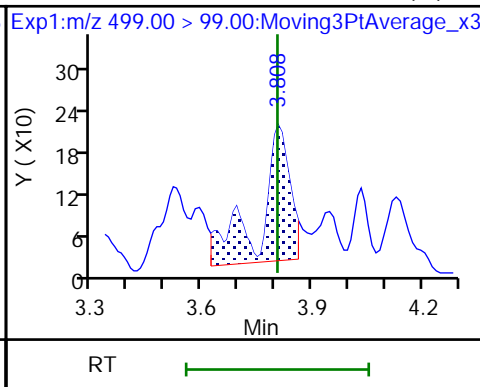
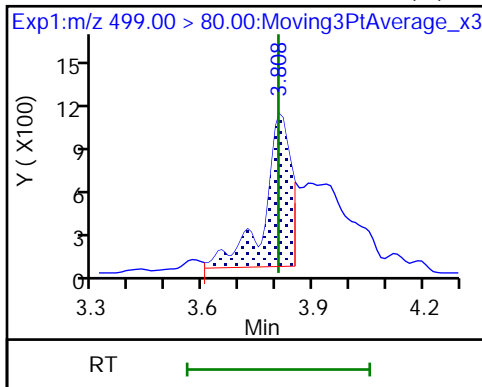
D 18 13C4 PFOS

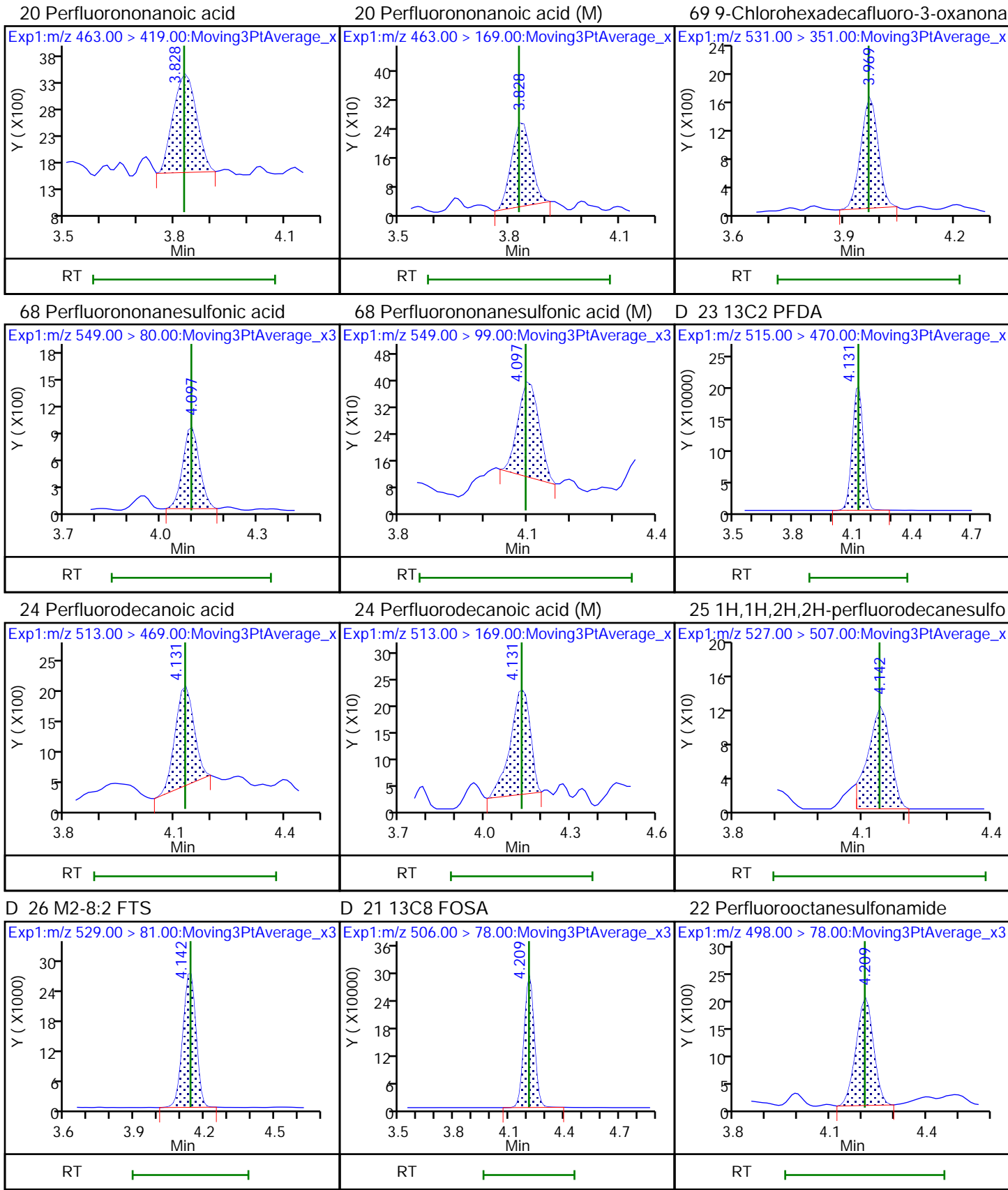


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

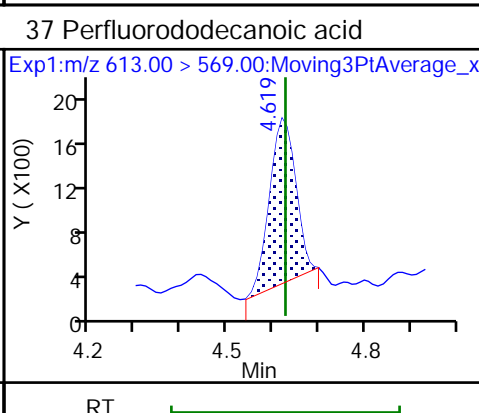
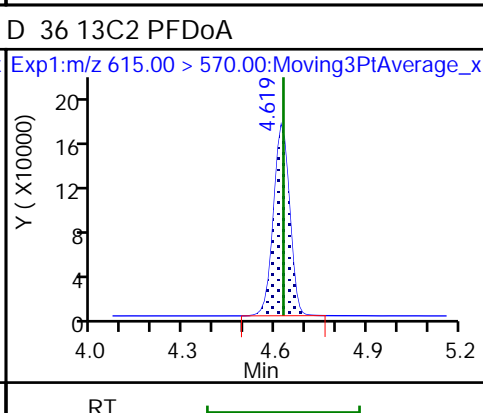
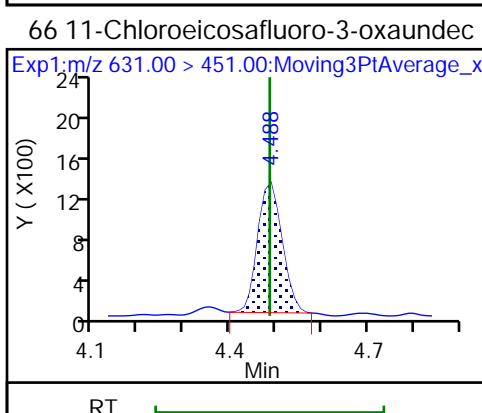
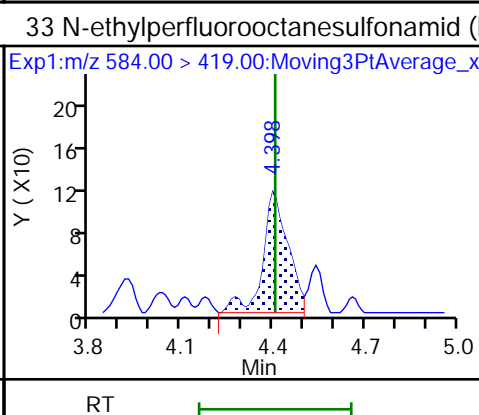
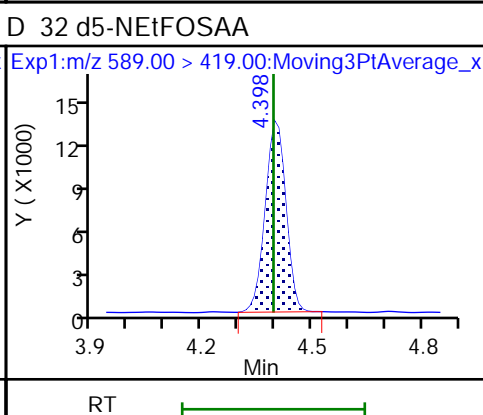
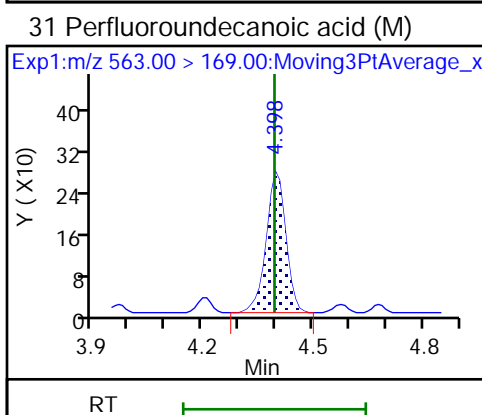
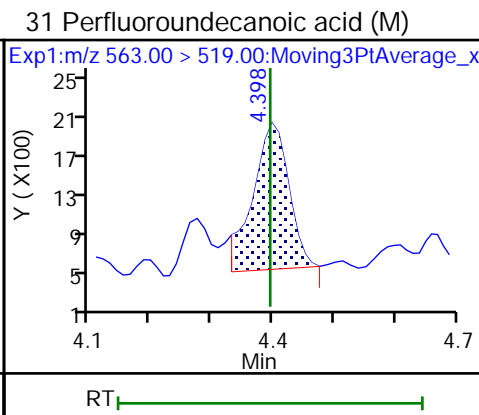
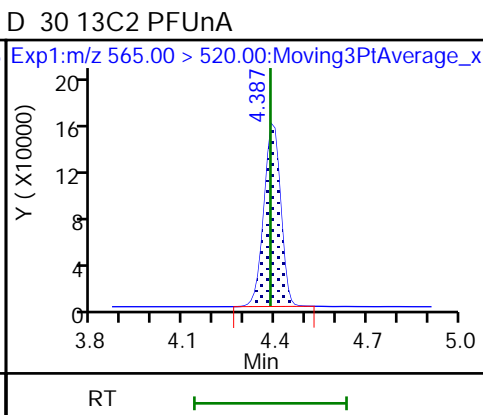
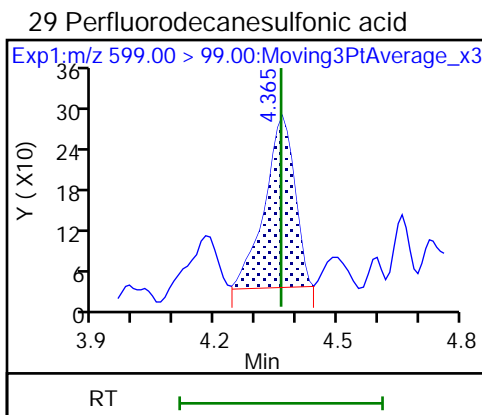
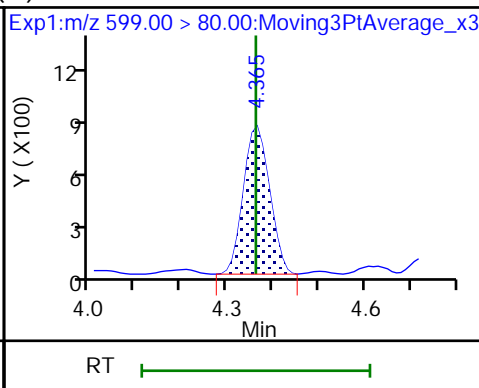
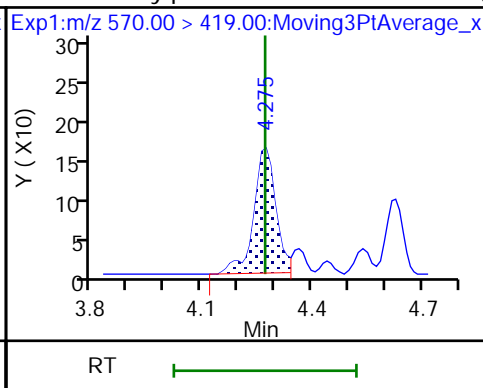
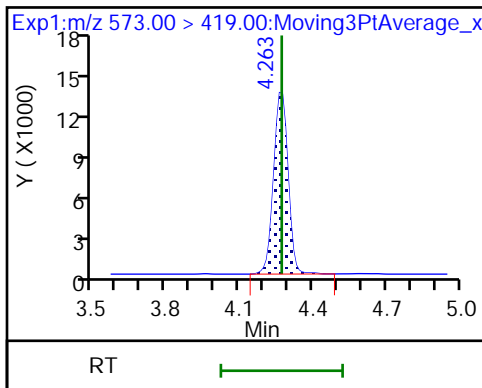
D 19 13C5 PFNA





D 27 d3-NMeFOSAA

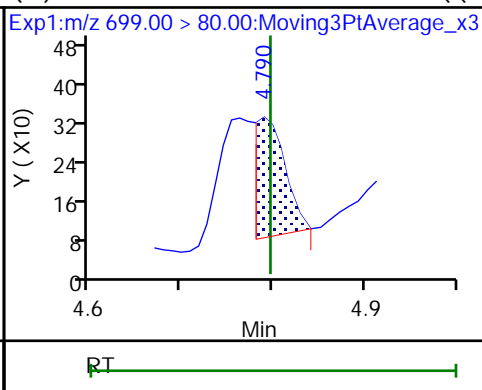
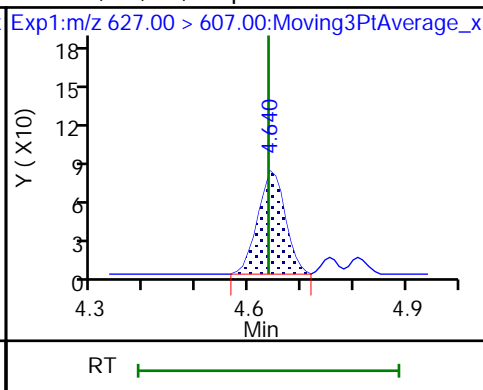
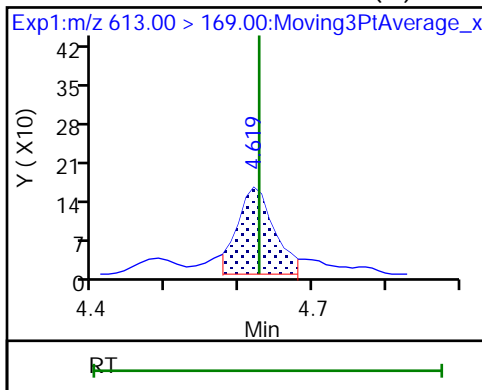
28 N-methylperfluorooctanesulfonami (M)  
29 Perfluorodecanesulfonic acid



37 Perfluorododecanoic acid (M)

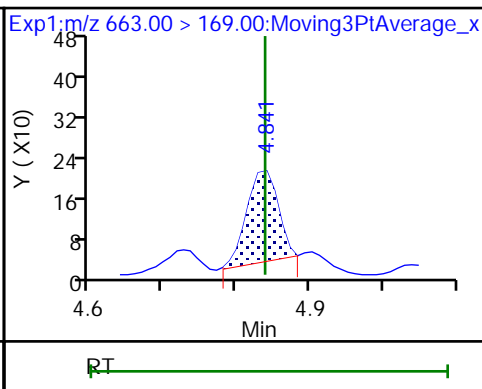
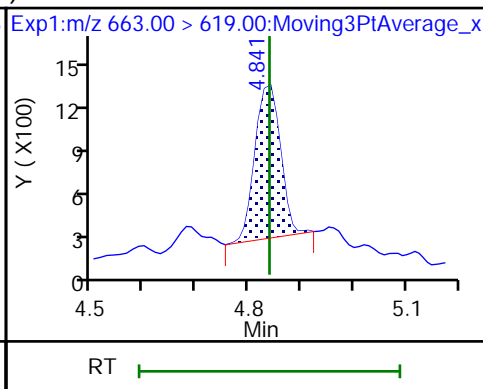
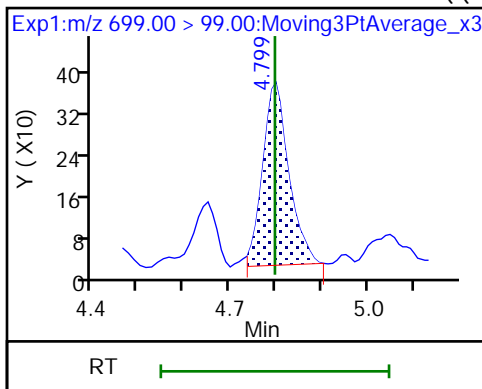
74 1H,1H,2H,2H-perfluorododecanesul (M)

75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid

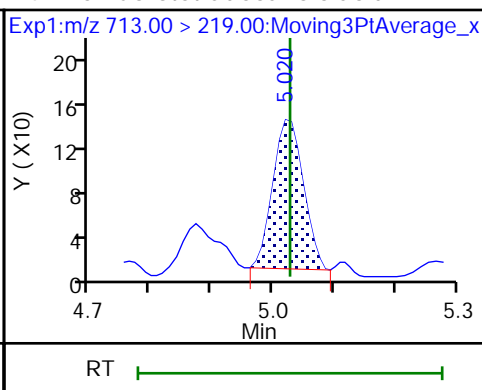
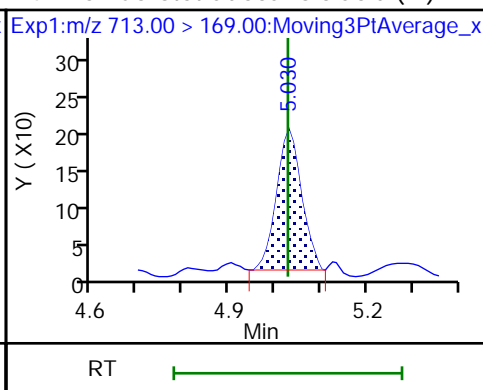
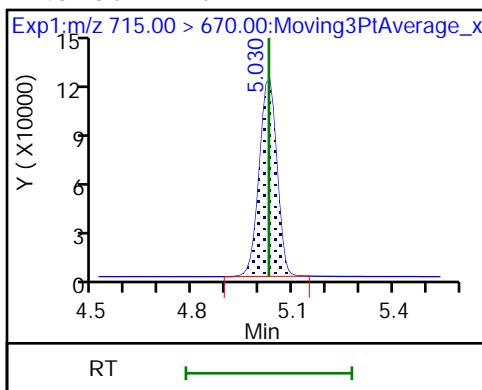
41 Perfluorotridecanoic acid



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid (M)

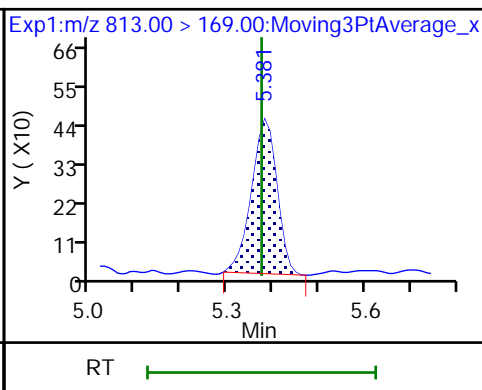
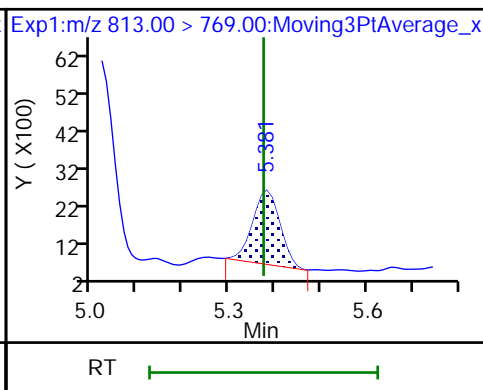
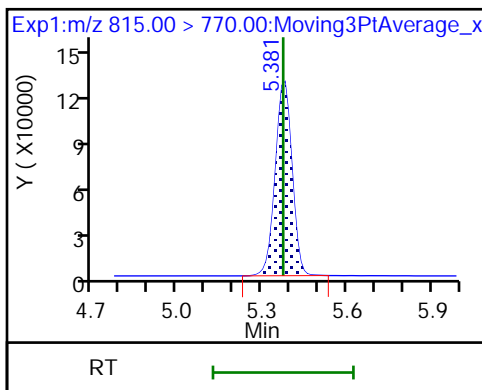
42 Perfluorotetradecanoic acid



D 44 13C2 PFHxDA

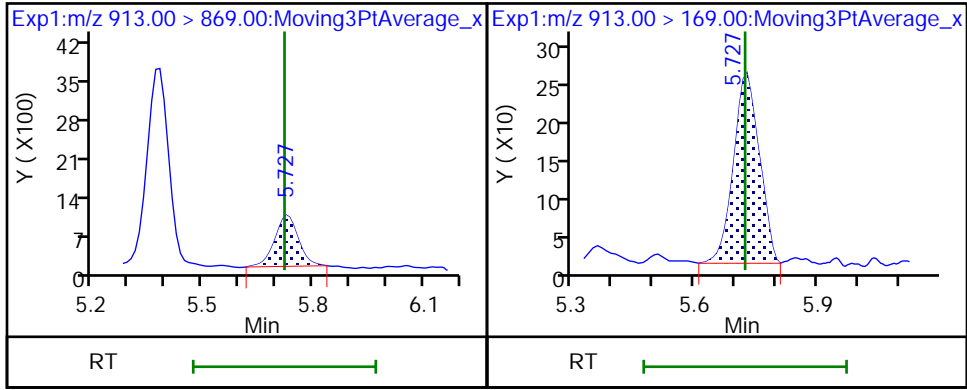
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid





Eurofins TestAmerica, Burlington

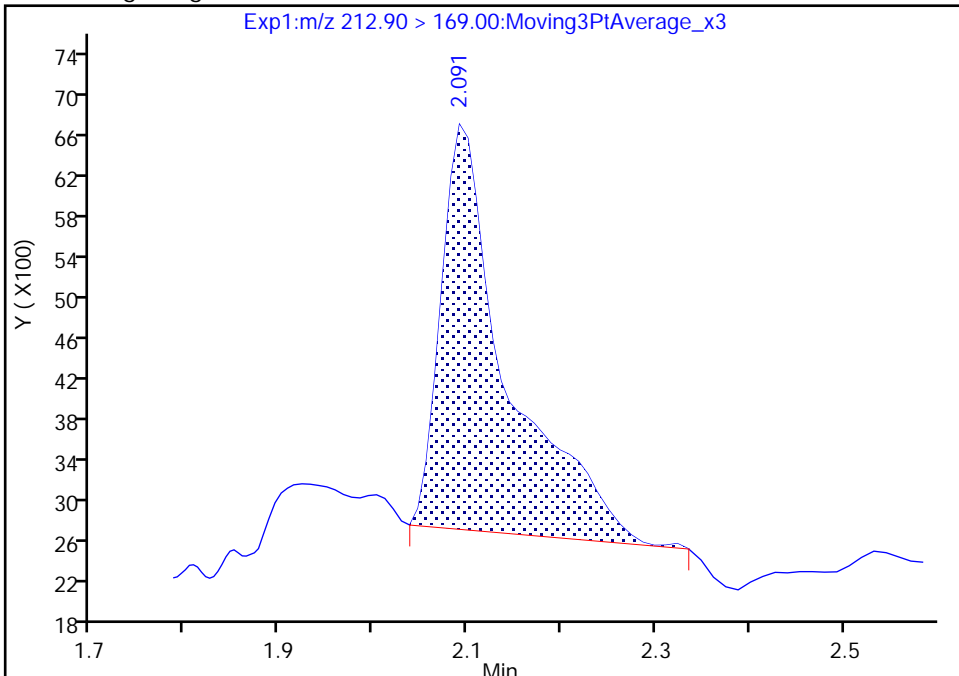
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

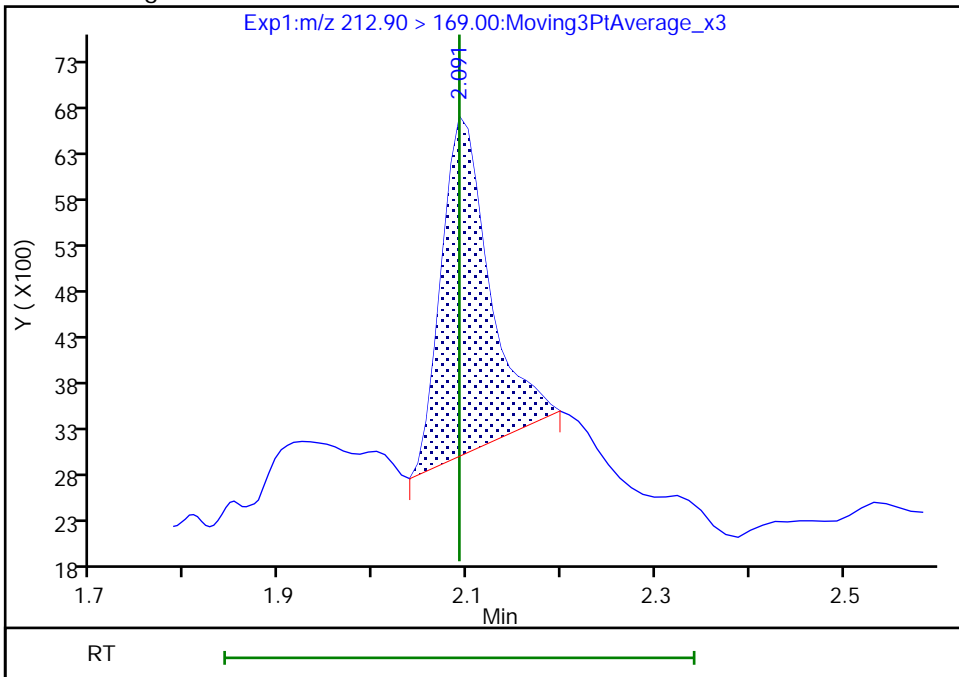
RT: 2.09  
Area: 19494  
Amount: 0.020720  
Amount Units: ng/ml

Processing Integration Results



RT: 2.09  
Area: 12982  
Amount: 0.013799  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:09:07  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

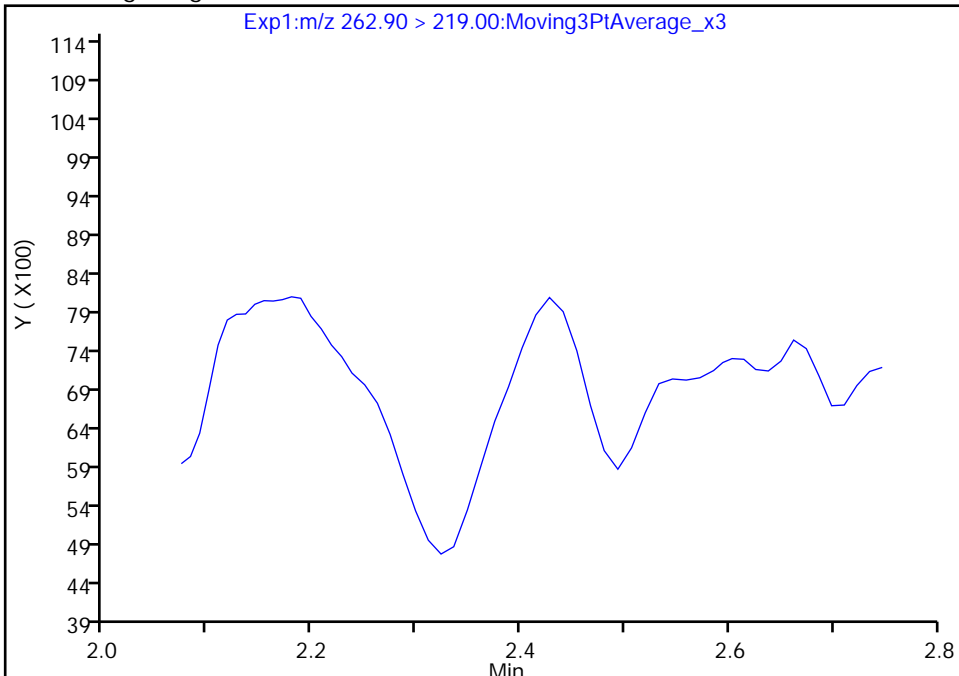
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

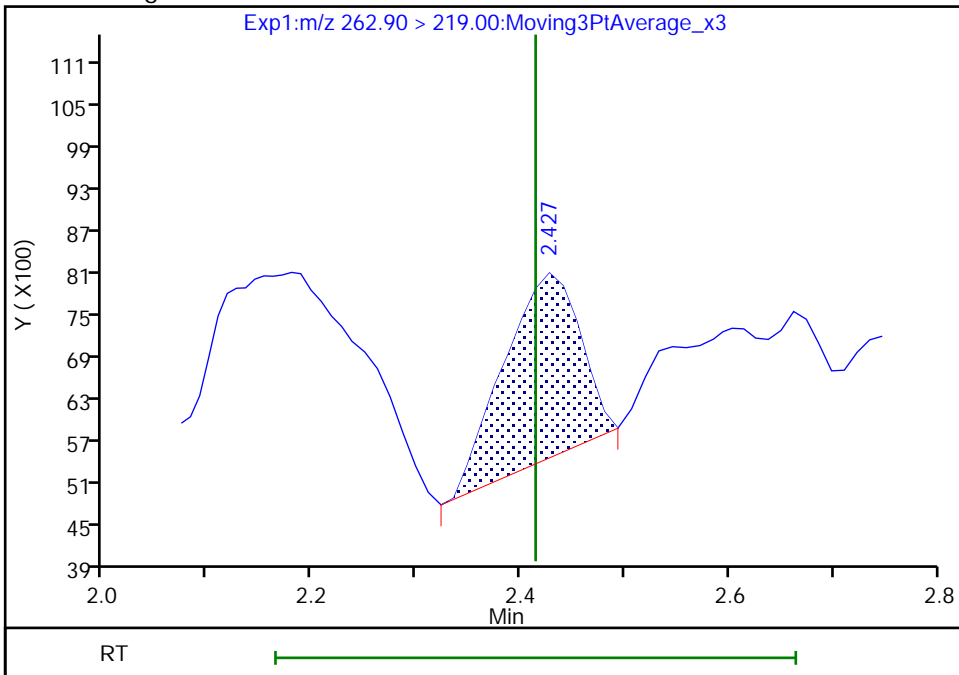
Signal: 1

Not Detected  
Expected RT: 2.41

Processing Integration Results



Manual Integration Results



RT: 2.43  
Area: 13607  
Amount: 0.017651  
Amount Units: ng/ml

Reviewer: deannd, 22-Dec-2020 15:08:53  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

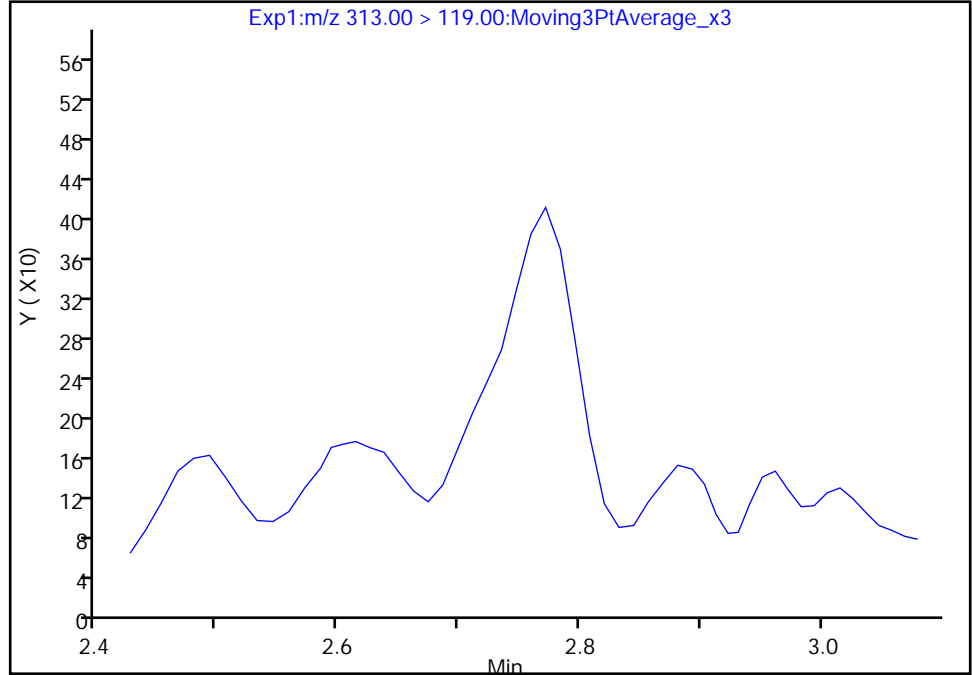
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

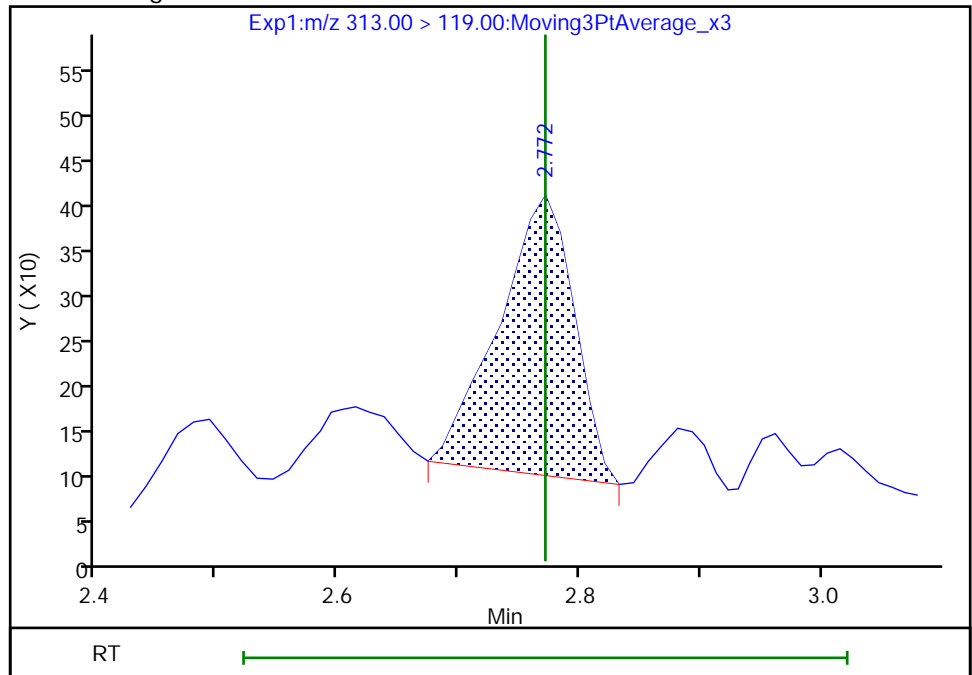
Not Detected  
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77  
Area: 1355  
Amount: 0.013375  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:25  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Euofins TestAmerica, Burlington

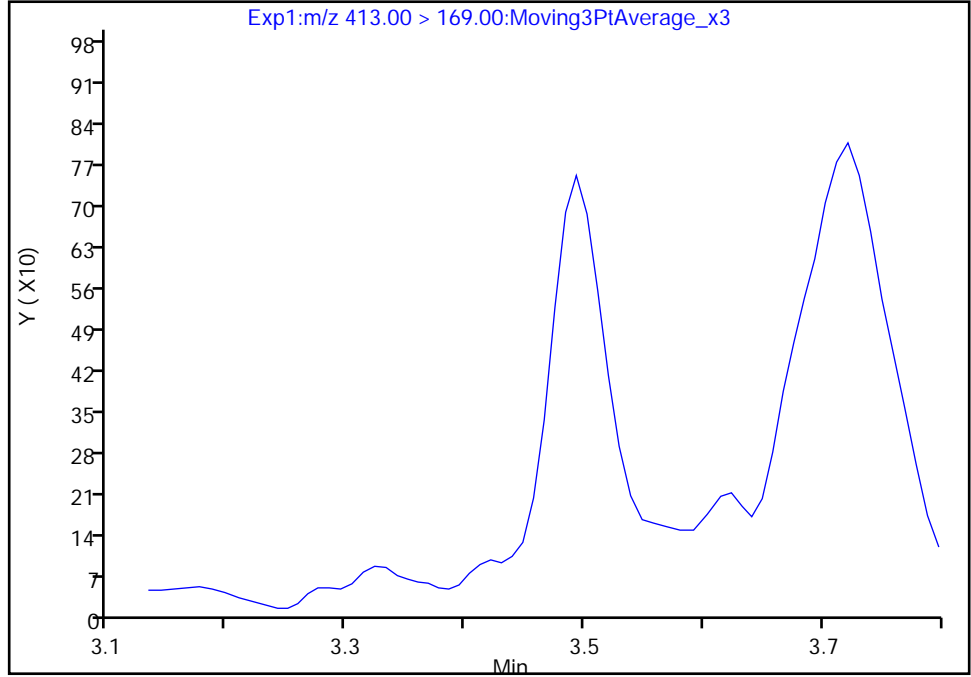
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

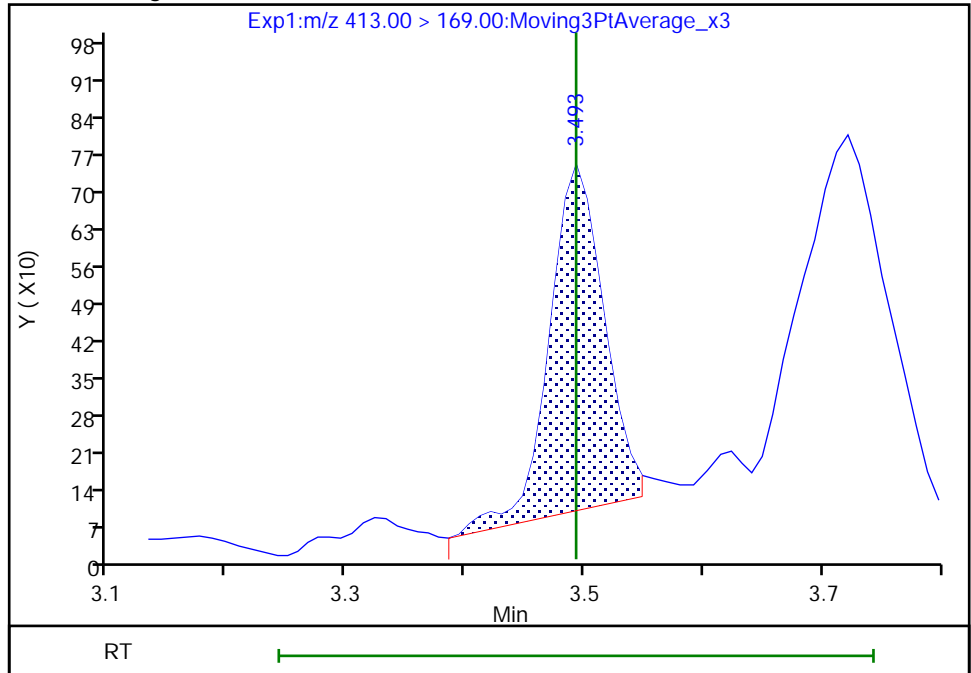
Not Detected  
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49  
Area: 2098  
Amount: 0.012125  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:10:29  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

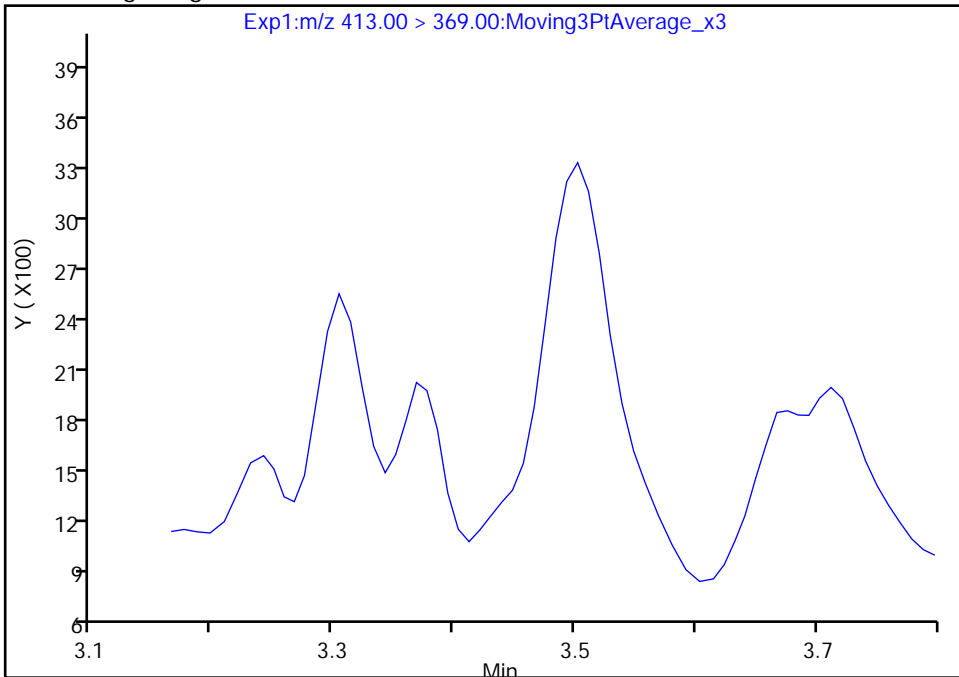
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

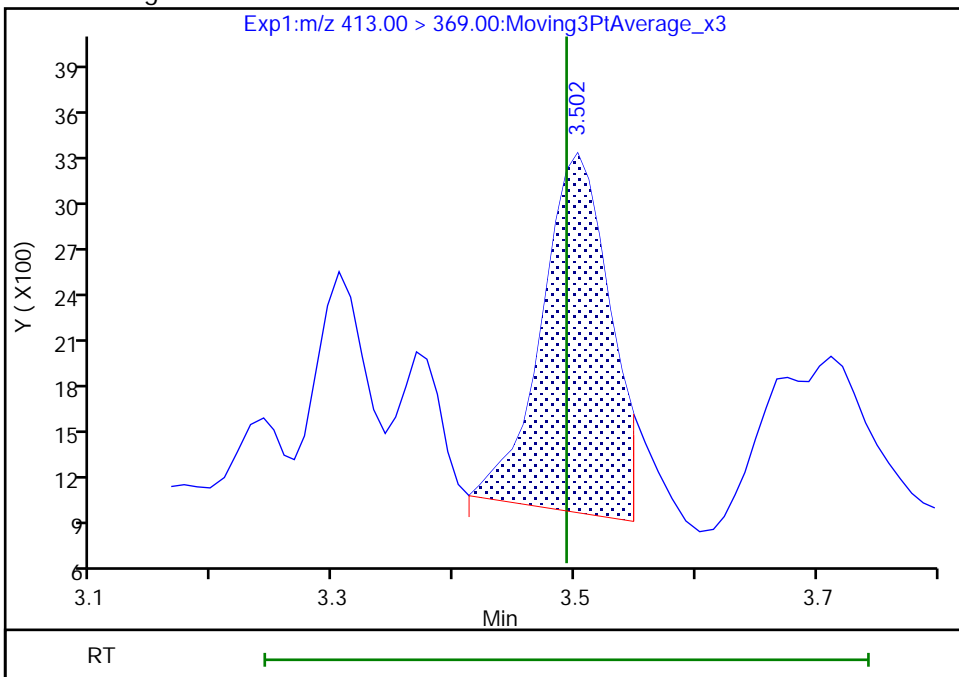
Not Detected  
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50  
Area: 9141  
Amount: 0.012125  
Amount Units: ng/ml



Eurofins TestAmerica, Burlington

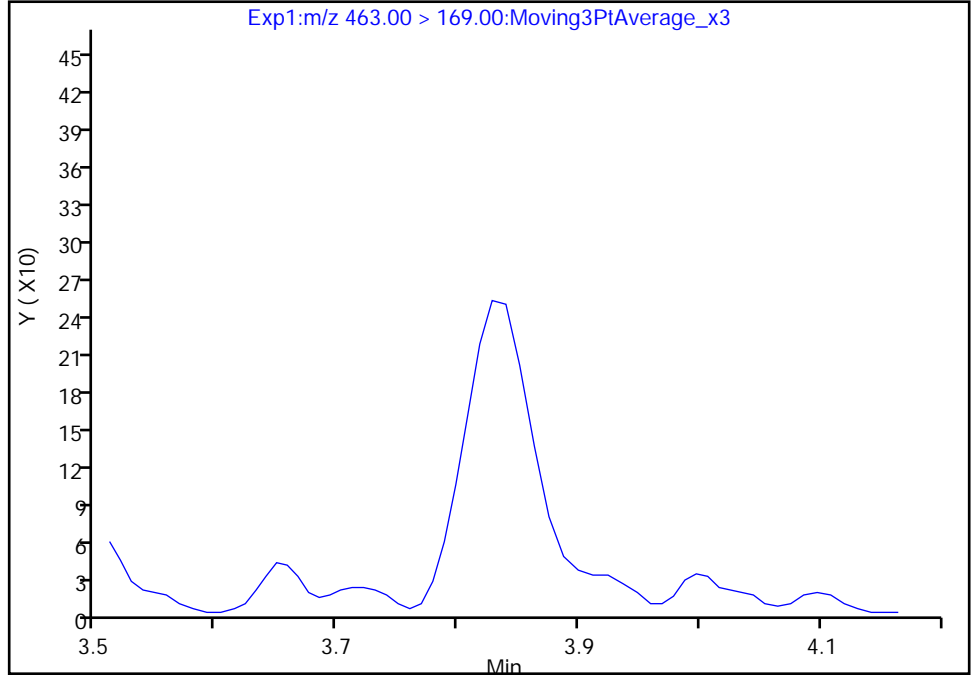
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

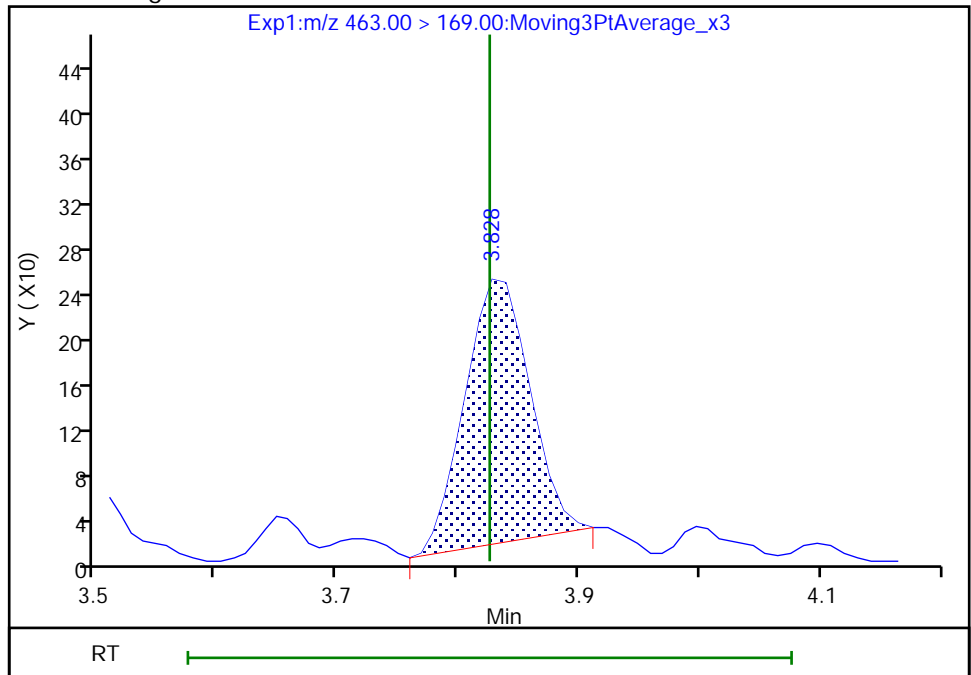
Not Detected  
Expected RT: 3.83

Processing Integration Results



Manual Integration Results

RT: 3.83  
Area: 881  
Amount: 0.012125  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:11:27  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

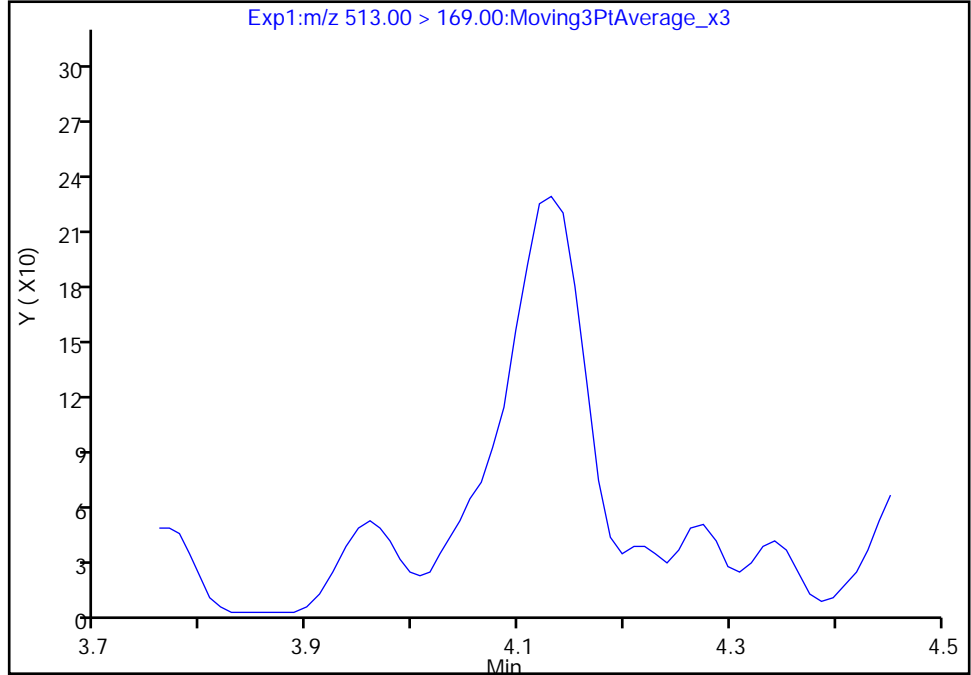
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

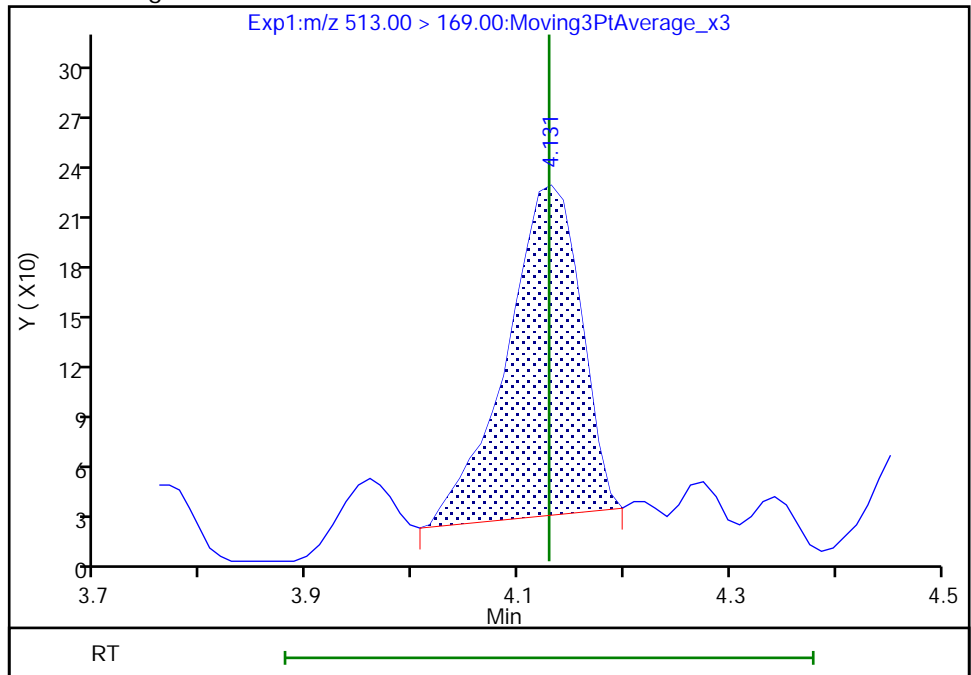
Signal: 2

Not Detected  
Expected RT: 4.13

Processing Integration Results



Manual Integration Results



RT: 4.13  
Area: 974  
Amount: 0.009551  
Amount Units: ng/ml

Reviewer: deannd, 22-Dec-2020 15:11:38  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

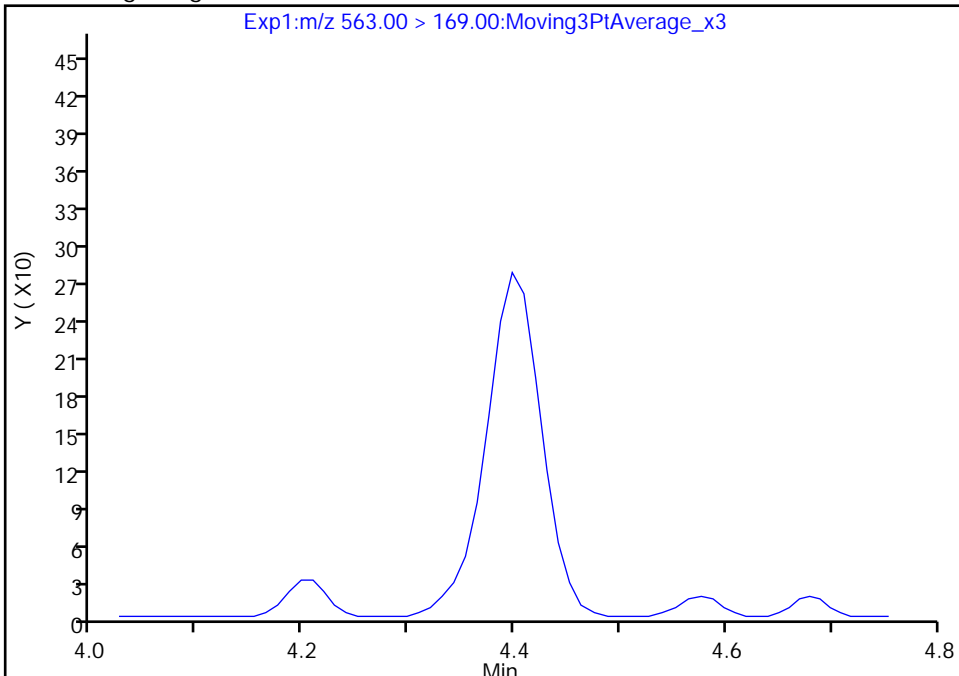
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

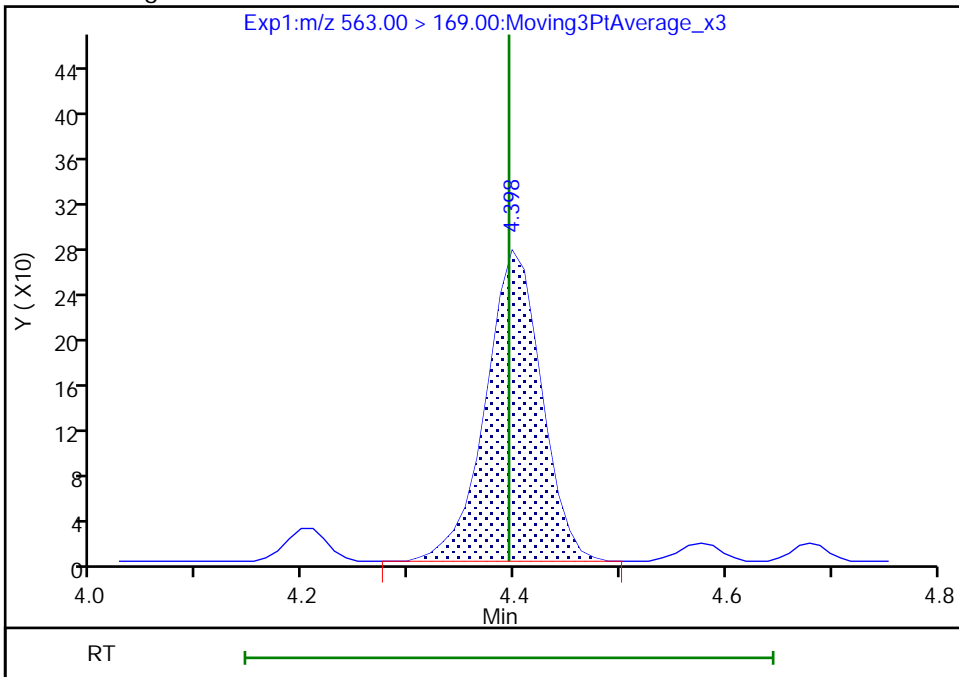
Not Detected  
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40  
Area: 1008  
Amount: 0.012137  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:14:13  
Audit Action: Manually Integrated

Audit Reason: Missed Peak



Eurofins TestAmerica, Burlington

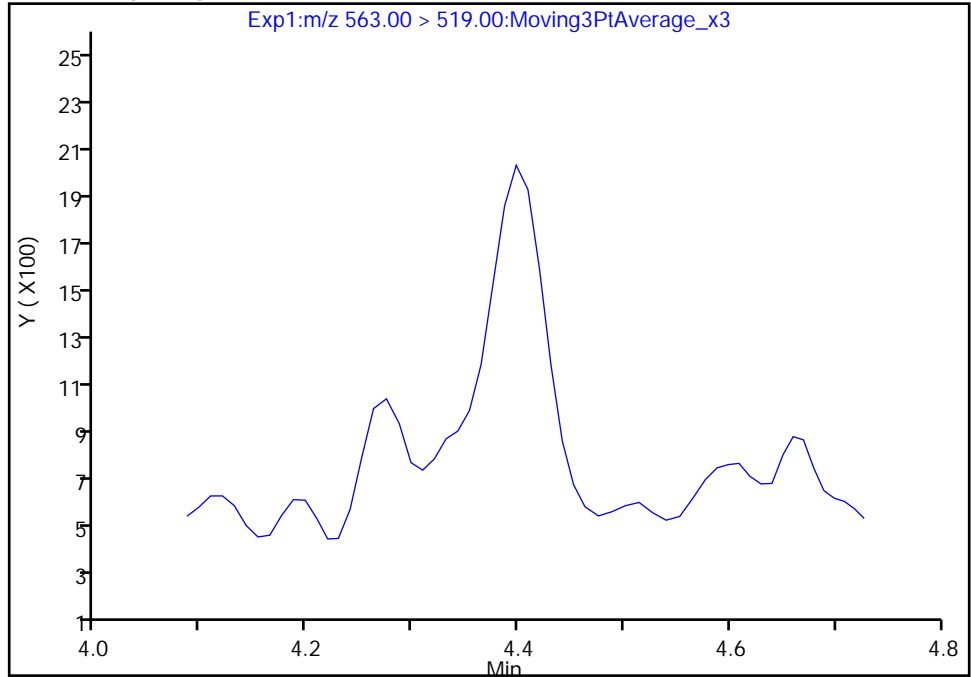
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

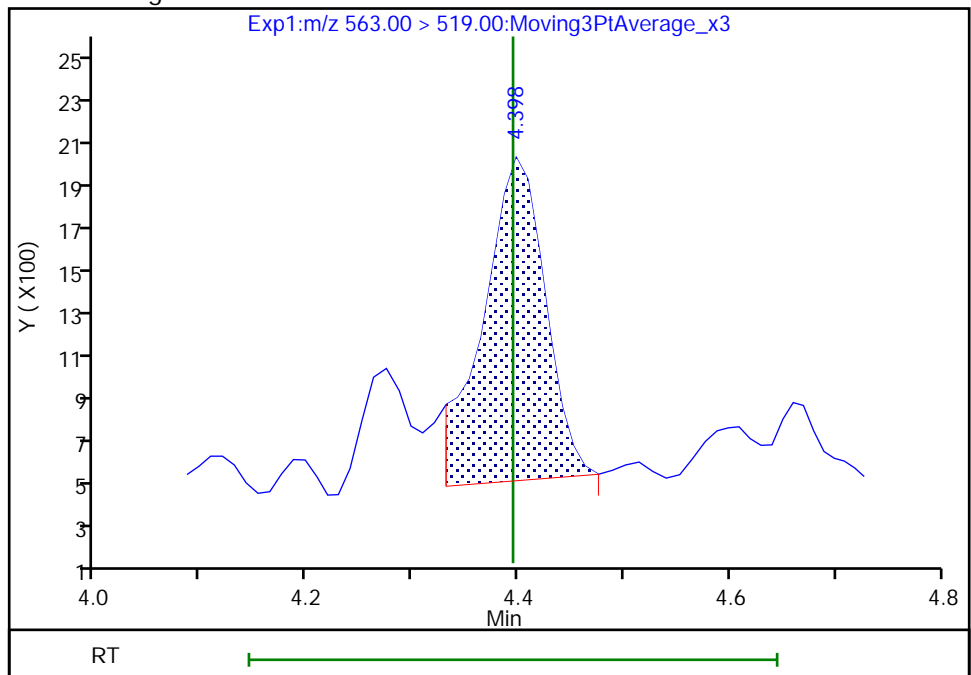
Not Detected  
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40  
Area: 5801  
Amount: 0.012137  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:14:21

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

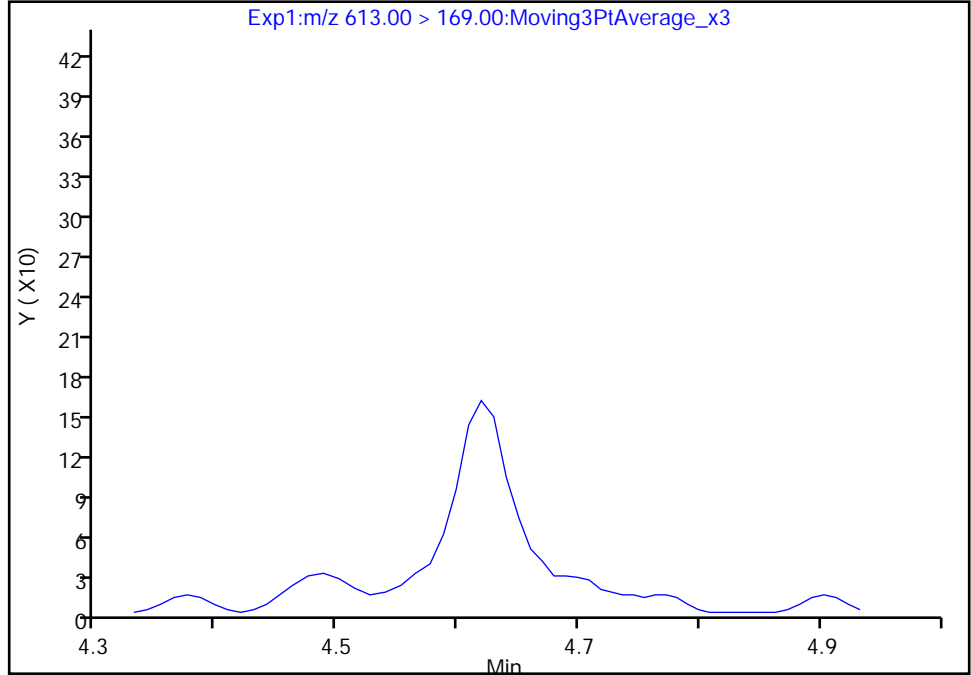
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

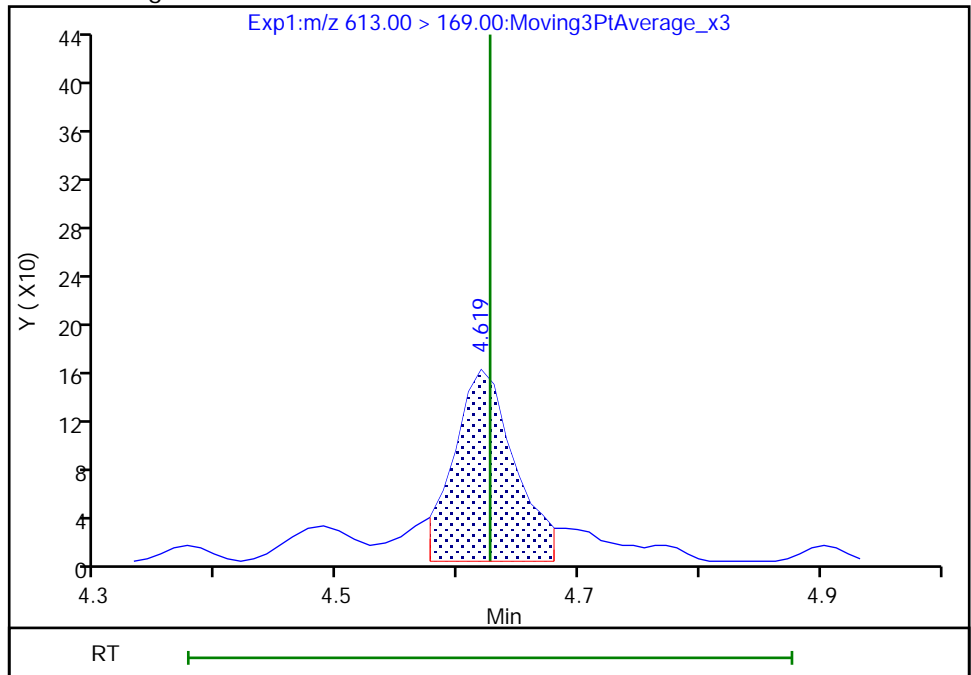
Not Detected  
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62  
Area: 543  
Amount: 0.010261  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:15:22  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

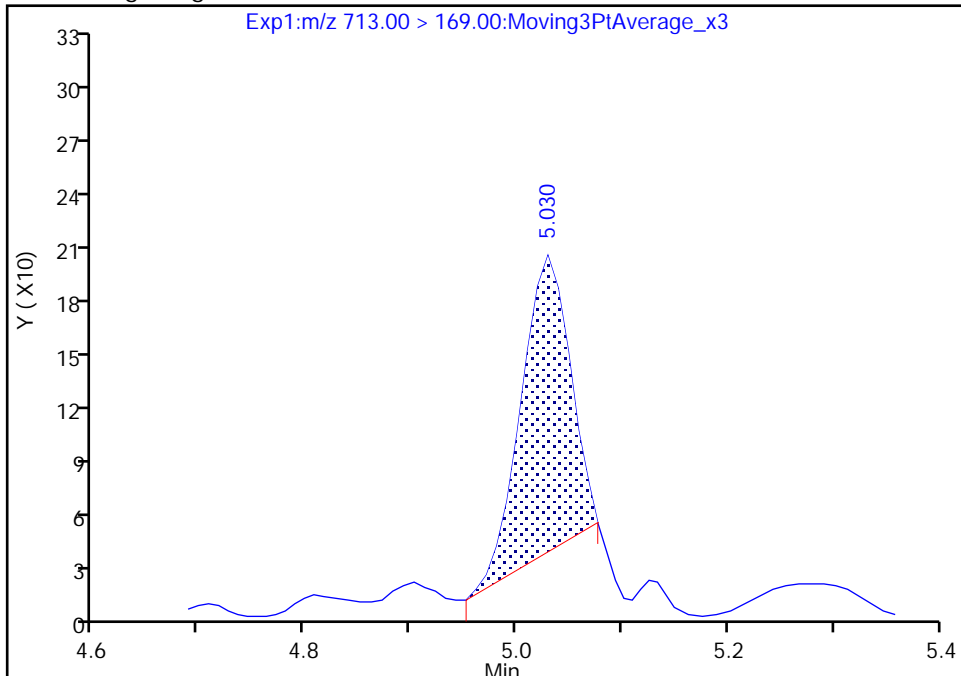
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

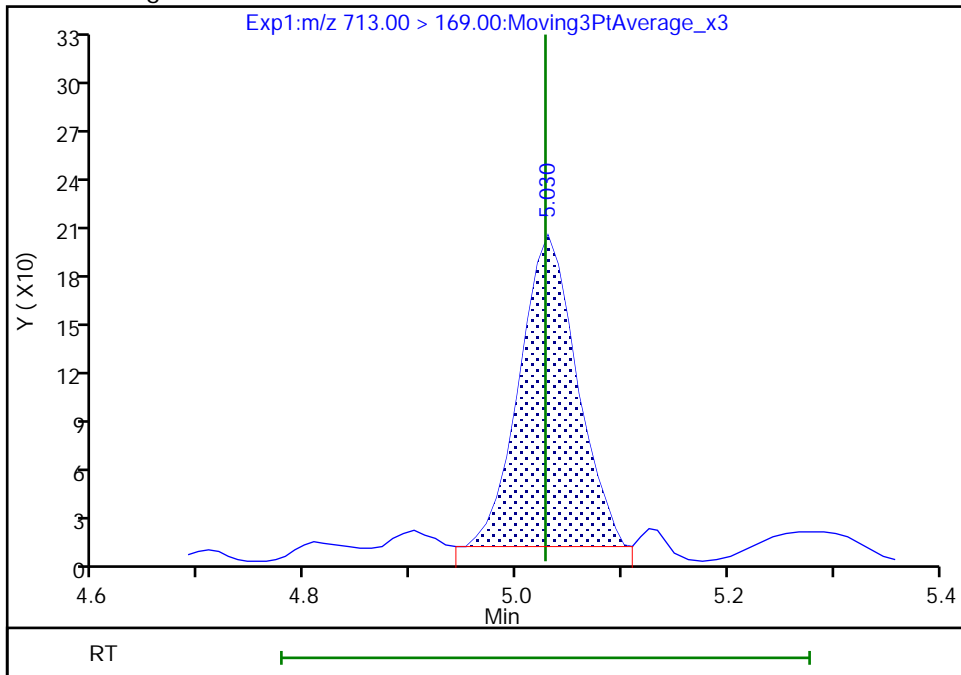
RT: 5.03  
Area: 527  
Amount: 0.007894  
Amount Units: ng/ml

Processing Integration Results



RT: 5.03  
Area: 718  
Amount: 0.010754  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:16:12  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

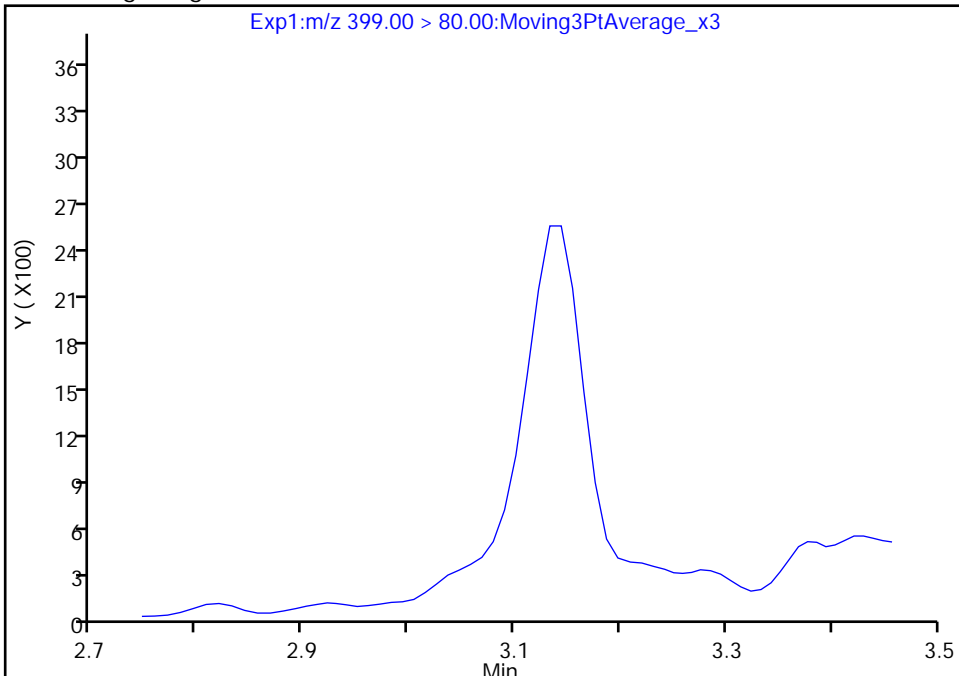
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

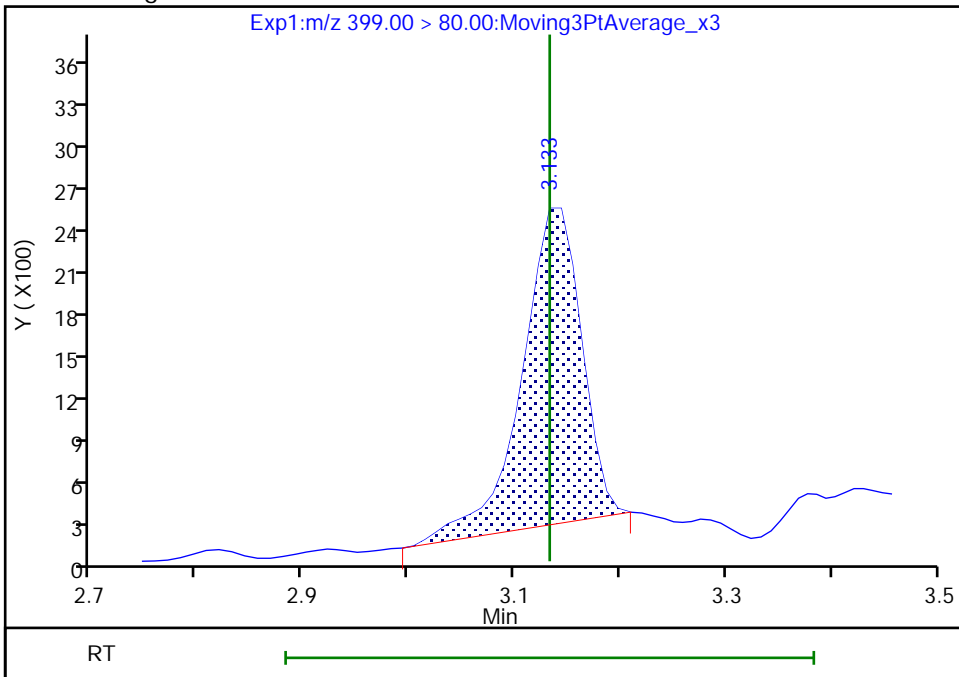
Not Detected  
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13  
Area: 8748  
Amount: 0.011496  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:38  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

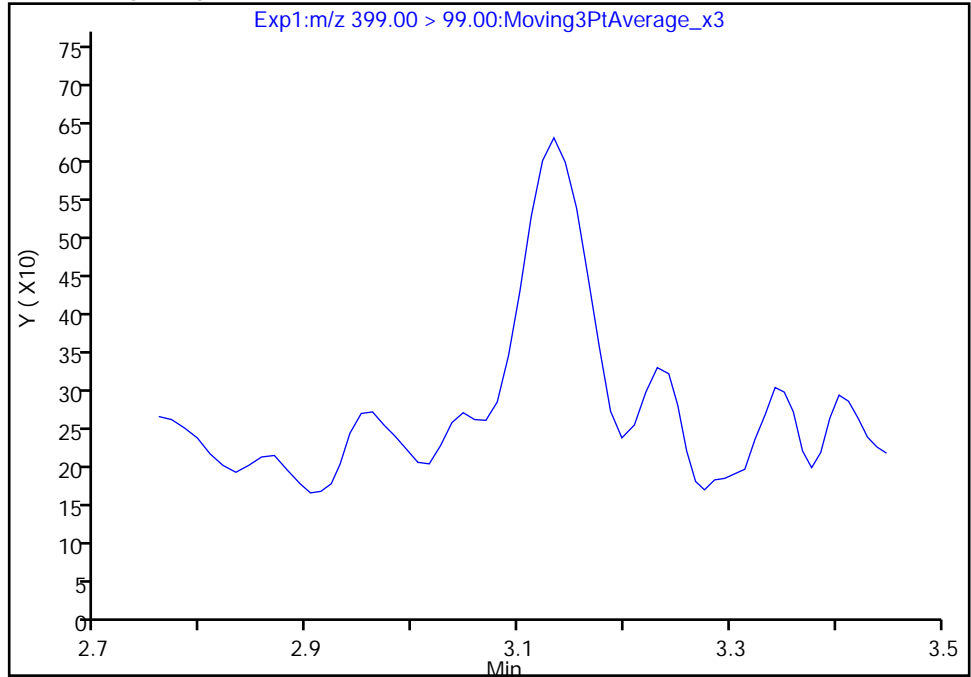
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

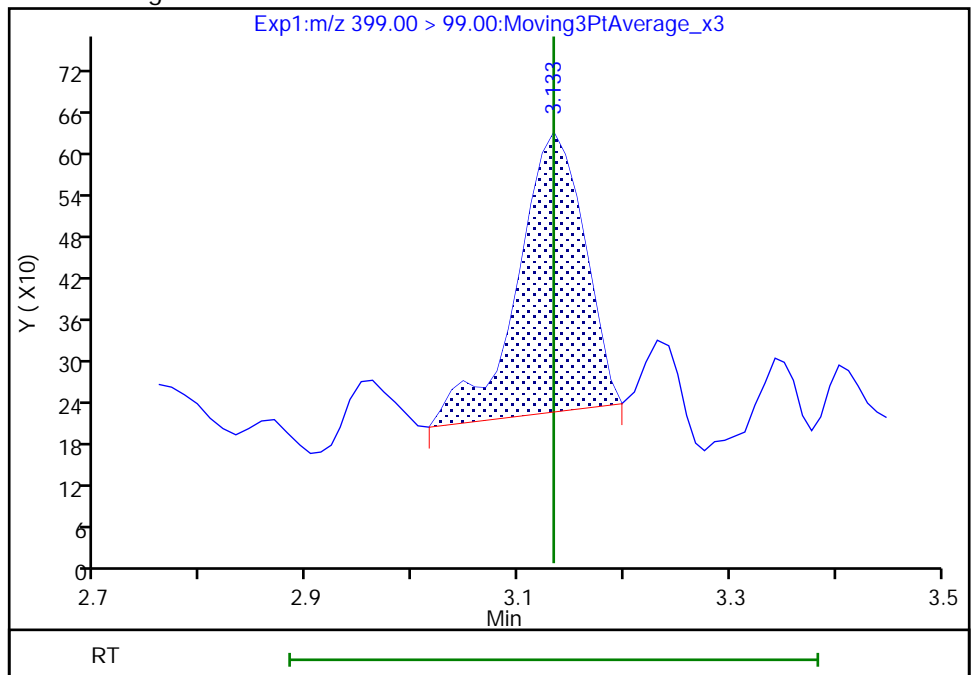
Not Detected  
Expected RT: 3.13

Processing Integration Results



RT: 3.13  
Area: 1791  
Amount: 0.011496  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:09:44

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

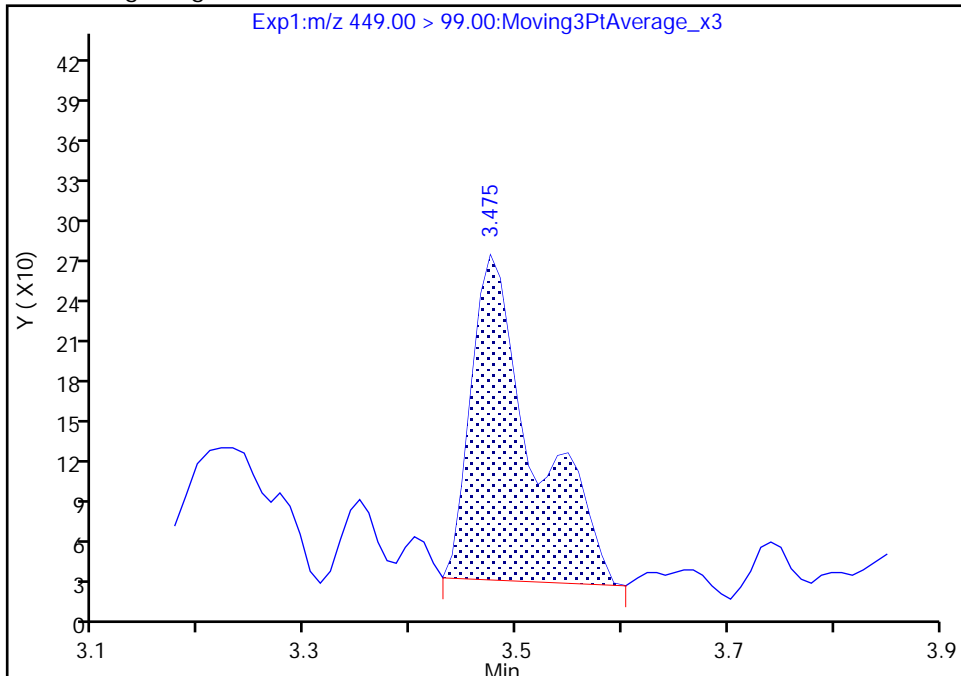
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

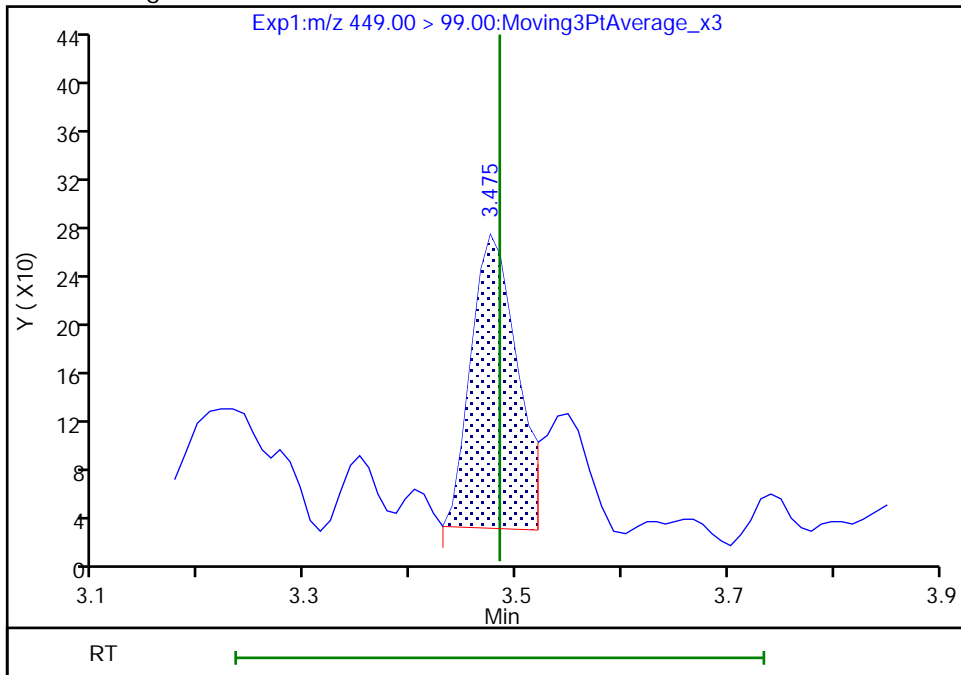
RT: 3.48  
Area: 1008  
Amount: 0.008490  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 729  
Amount: 0.008490  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:09:57  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

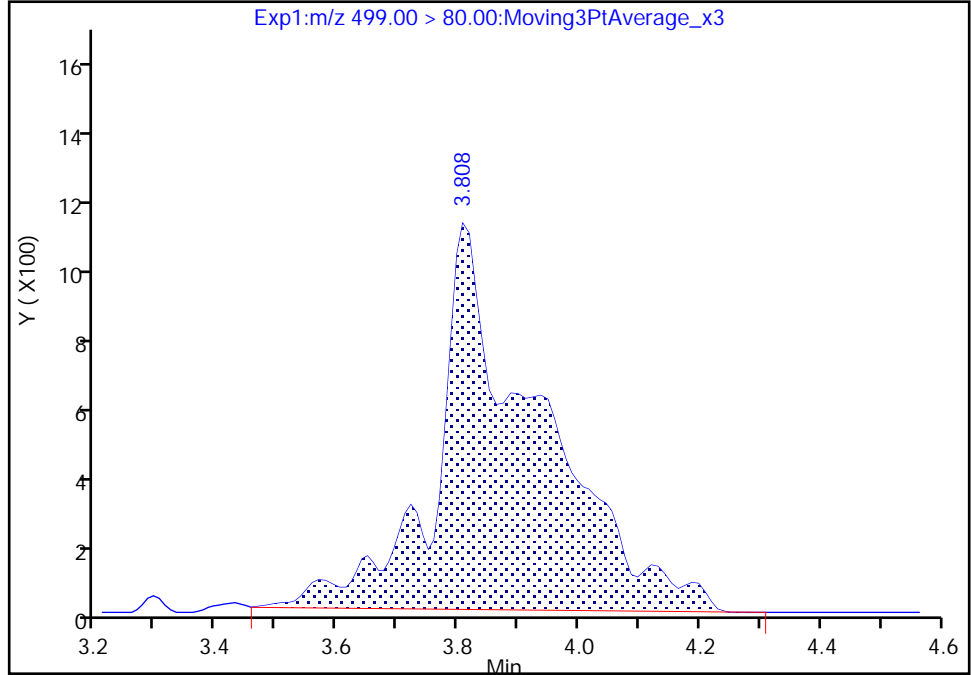
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

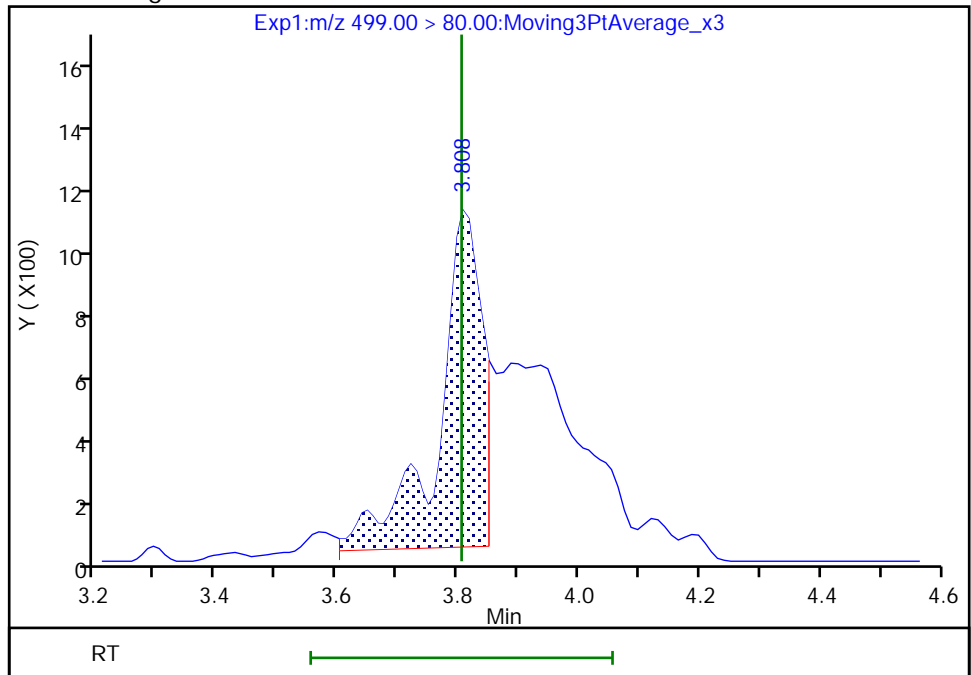
RT: 3.81  
Area: 12829  
Amount: 0.024980  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 5152  
Amount: 0.010032  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:11:03  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

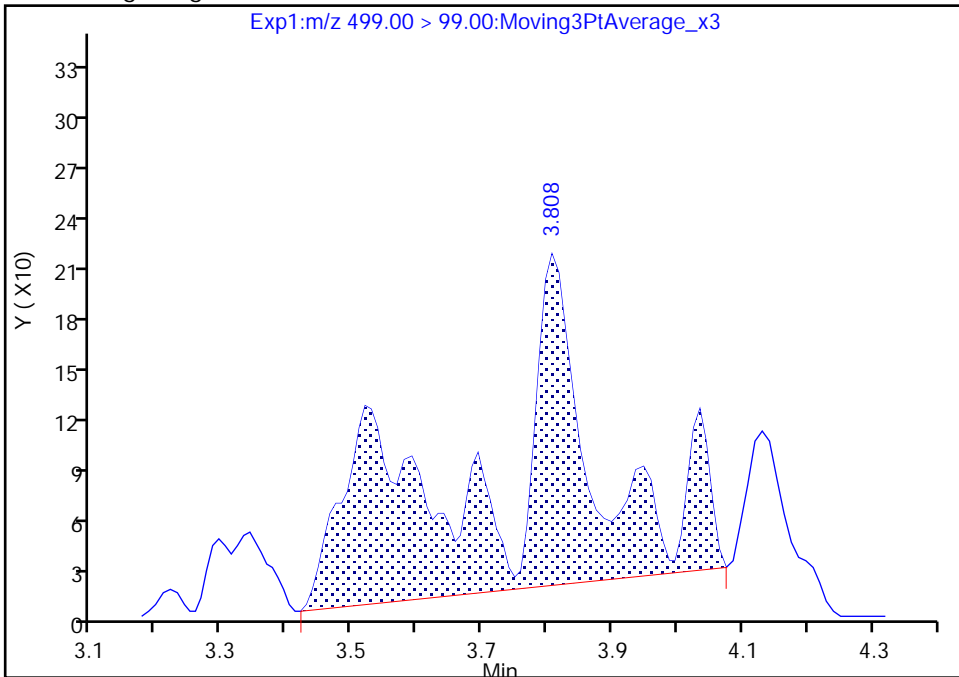
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

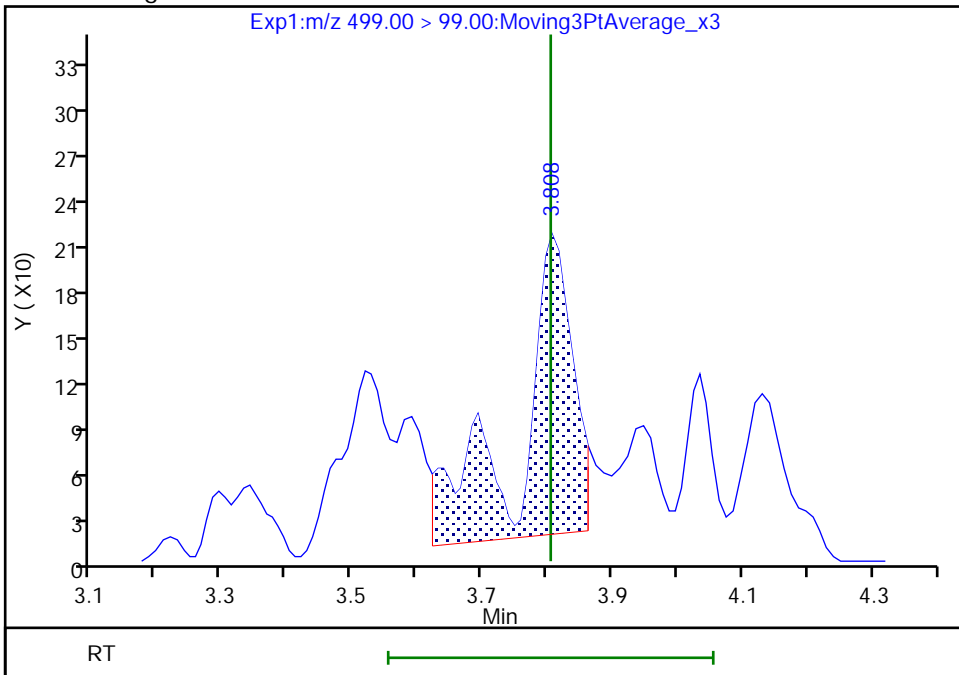
RT: 3.81  
Area: 2463  
Amount: 0.024980  
Amount Units: ng/ml

Processing Integration Results



RT: 3.81  
Area: 1104  
Amount: 0.010032  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:11:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



Eurofins TestAmerica, Burlington

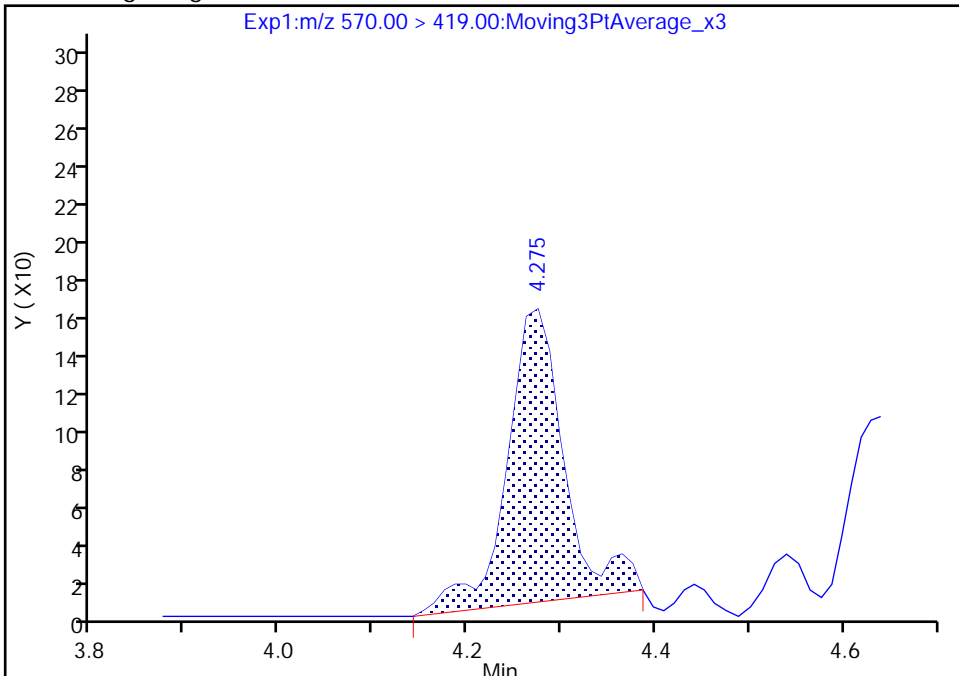
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

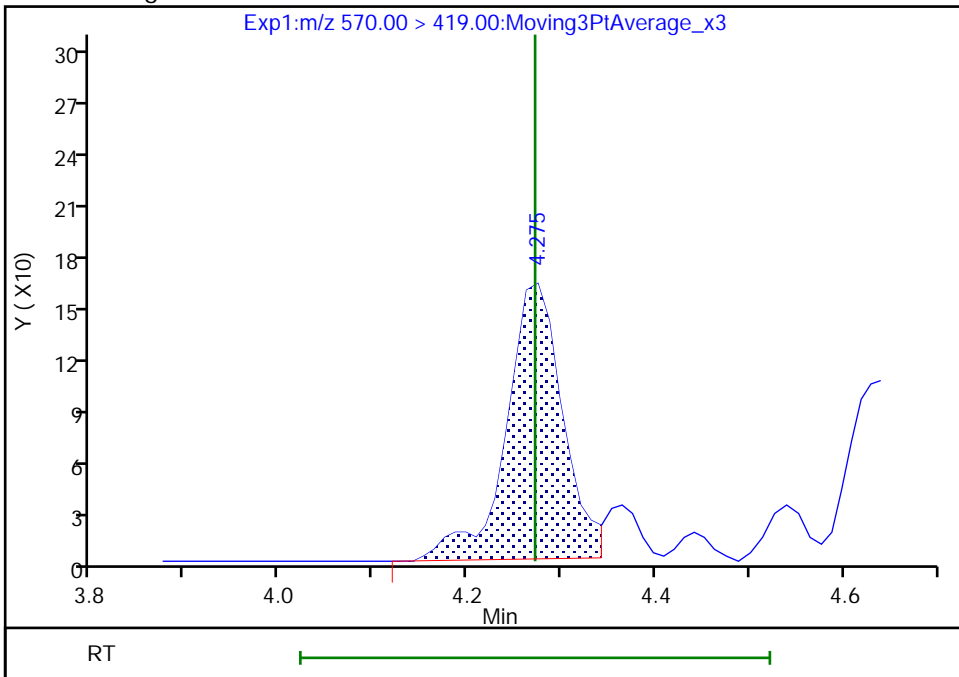
RT: 4.27  
Area: 658  
Amount: 0.017491  
Amount Units: ng/ml

Processing Integration Results



RT: 4.27  
Area: 674  
Amount: 0.017916  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:14:02  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

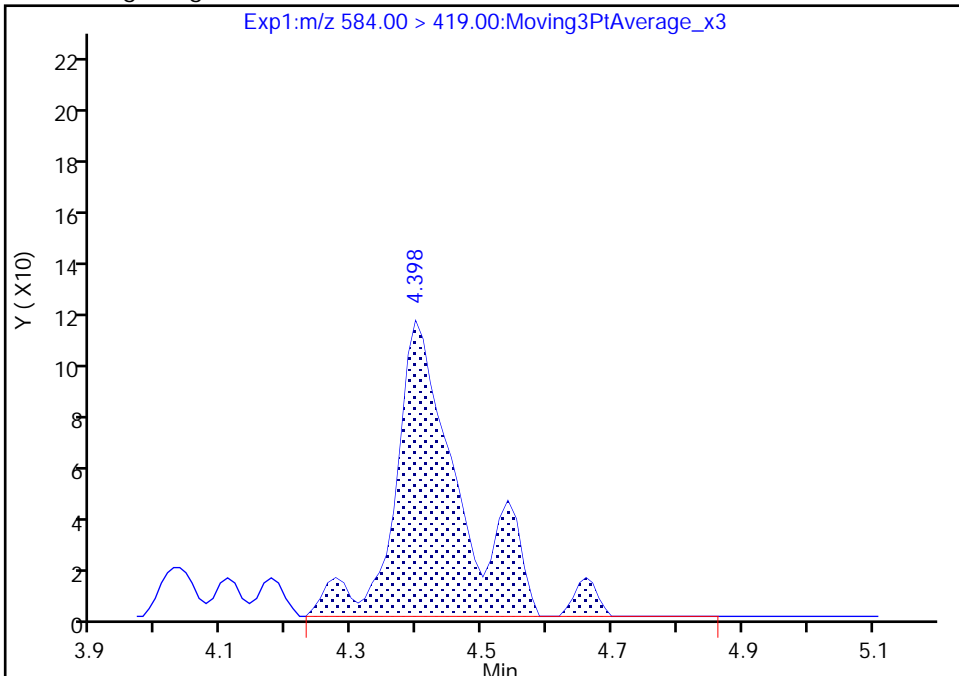
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

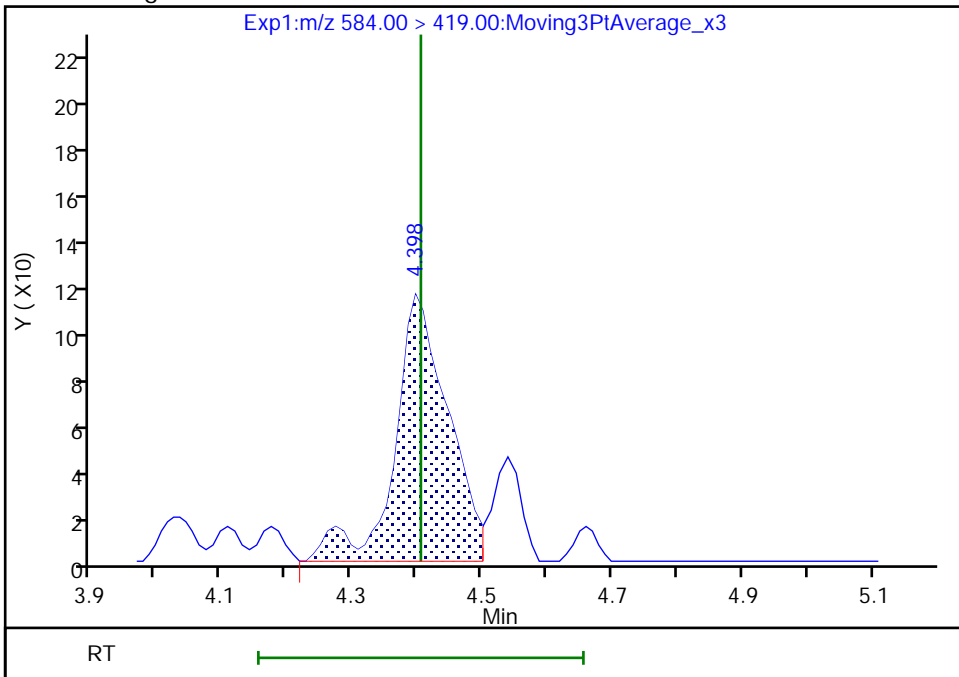
RT: 4.40  
Area: 825  
Amount: 0.021940  
Amount Units: ng/ml

Processing Integration Results



RT: 4.40  
Area: 655  
Amount: 0.017419  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:14:46  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

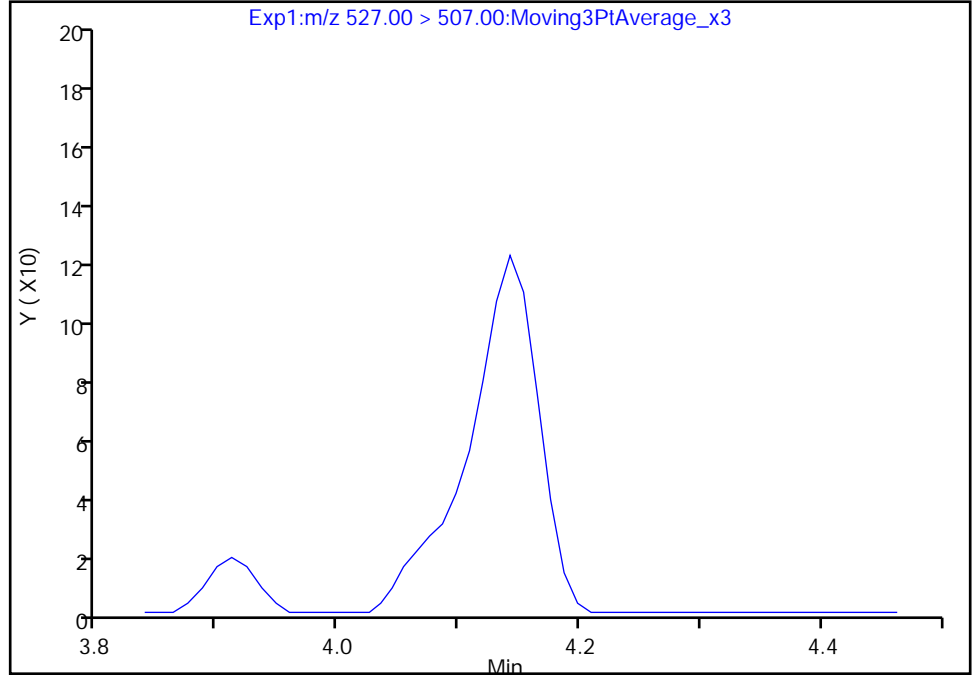
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

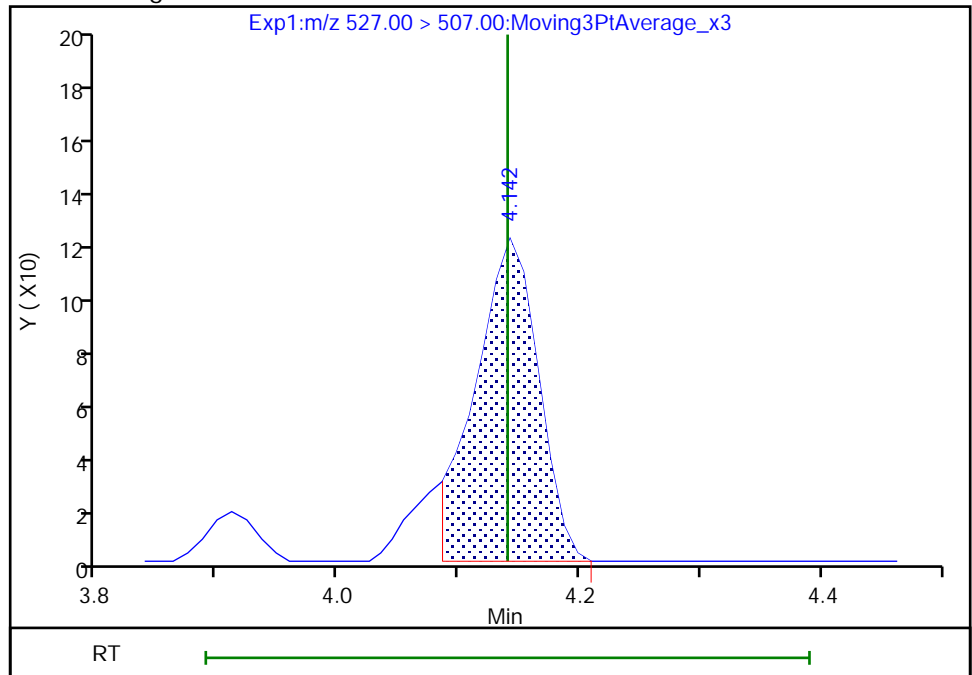
Not Detected  
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.14  
Area: 423  
Amount: 0.007027  
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:13:37  
Audit Action: Manually Integrated

Audit Reason: Missed Peak

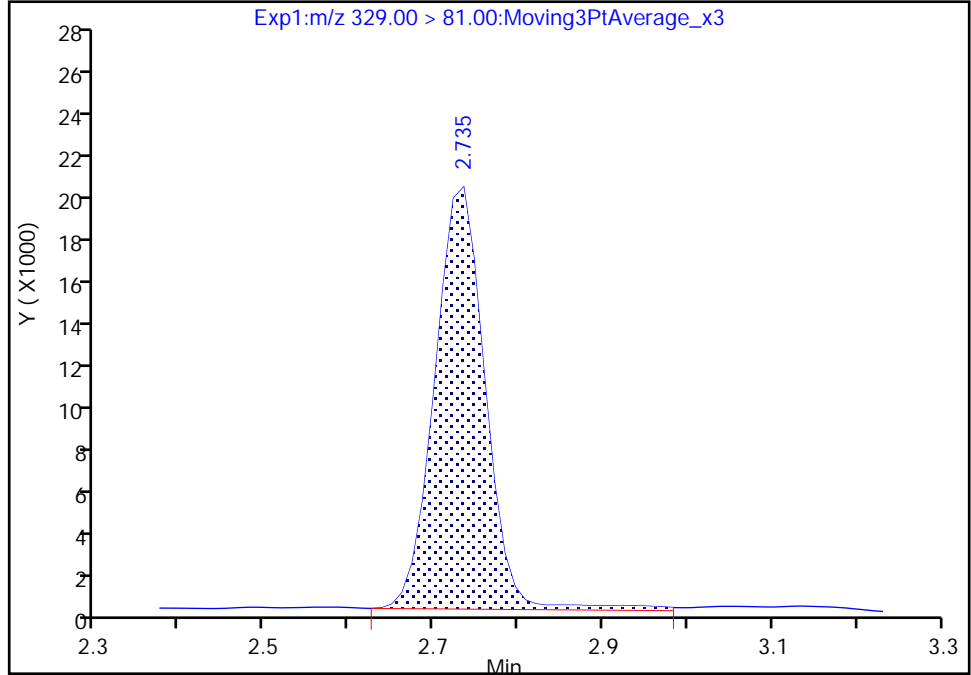
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d  
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812  
Lims ID: ICB  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395  
Signal: 1

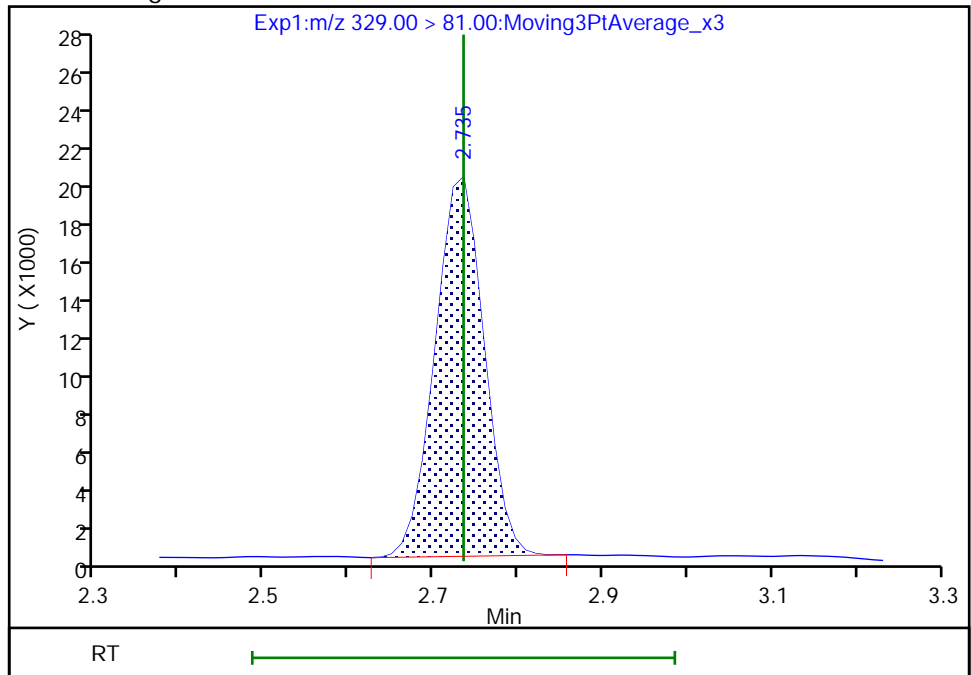
RT: 2.74  
Area: 82733  
Amount: 1.107642  
Amount Units: ng/ml

Processing Integration Results



RT: 2.74  
Area: 79652  
Amount: 1.066393  
Amount Units: ng/ml

Manual Integration Results



Reviewer: deannd, 22-Dec-2020 15:12:28  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 200-163122/2-A  
 Matrix: Water Lab File ID: PA210121C03.d  
 Analysis Method: 537 (modified) Date Collected: \_\_\_\_\_  
 Extraction Method: 3535 Date Extracted: 01/21/2021 14:00  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/21/2021 21:21  
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 163183 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	38.01		5.00	1.13
2706-90-3	Perfluoropentanoic acid (PFPeA)	37.14		2.00	1.08
307-24-4	Perfluorohexanoic acid (PFHxA)	37.89		2.00	0.83
375-85-9	Perfluoroheptanoic acid (PFHpA)	38.08		2.00	0.46
335-67-1	Perfluorooctanoic acid (PFOA)	38.38		2.00	0.98
375-95-1	Perfluorononanoic acid (PFNA)	37.31		2.00	0.58
335-76-2	Perfluorodecanoic acid (PFDA)	37.27		2.00	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	39.81		2.00	0.73
307-55-1	Perfluorododecanoic acid (PFDoA)	34.33		2.00	0.46
72629-94-8	Perfluorotridecanoic acid (PFTriA)	36.87		2.00	0.43
376-06-7	Perfluorotetradecanoic acid (PFTeA)	42.17		2.00	0.59
375-73-5	Perfluorobutanesulfonic acid (PFBS)	33.37		2.00	0.63
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	35.55		2.00	0.67
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	37.35		2.00	0.39
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	37.11		2.00	0.87
335-77-3	Perfluorodecanesulfonic acid (PFDS)	32.62		2.00	0.48
754-91-6	Perfluorooctanesulfonamide (FOSA)	33.83		2.00	0.57
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	37.74		5.00	0.79
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	39.02		5.00	0.93
27619-97-2	6:2 FTS	33.29		5.00	0.72
39108-34-4	8:2 FTS	32.80		2.00	0.66

FORM I  
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 200-163122/2-A  
 Matrix: Water Lab File ID: PA210121C03.d  
 Analysis Method: 537 (modified) Date Collected: \_\_\_\_\_  
 Extraction Method: 3535 Date Extracted: 01/21/2021 14:00  
 Sample wt/vol: 250 (mL) Date Analyzed: 01/21/2021 21:21  
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1  
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 163183 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	73		25-150
STL00992	13C4 PFBA	100		25-150
STL01893	13C5 PFPeA	104		25-150
STL00993	13C2 PFHxA	107		50-150
STL01892	13C4 PFHpA	104		50-150
STL00990	13C4 PFOA	105		50-150
STL00995	13C5 PFNA	108		50-150
STL00996	13C2 PFDA	107		50-150
STL00997	13C2 PFUnA	99		50-150
STL00998	13C2 PFDoA	84		50-150
STL02116	13C2 PFTeDA	76		50-150
STL02337	13C3 PFBS	99		50-150
STL00994	18O2 PFHxS	101		50-150
STL00991	13C4 PFOS	101		50-150
STL02118	d3-NMeFOSAA	93		50-150
STL02117	d5-NEtFOSAA	77		50-150
STL02279	M2-6:2 FTS	100		25-150
STL02280	M2-8:2 FTS	106		25-150

Eurofins TestAmerica, Burlington  
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C03.d  
 Lims ID: LCS 200-163122/2-A  
 Client ID:  
 Sample Type: LCS  
 Inject. Date: 21-Jan-2021 21:21:26 ALS Bottle#: 3 Worklist Smp#: 3  
 Injection Vol: 20.0 ul Dil. Factor: 1.0000  
 Sample Info: LCS 200-163122/2-A  
 Misc. Info.: 200-0044534-003 Plate: 1 Rack: 3  
 Operator ID: lc812tech Instrument ID: LC812  
 Method: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PFC\_LC812.m  
 Limit Group: LC\_PFC\_ICAL  
 Last Update: 22-Jan-2021 10:38:37 Calib Date: 22-Dec-2020 13:29:37  
 Integrator: Picker  
 Quant Method: Isotopic Dilution Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d  
 Column 1 : C-18 ( 4.60 mm) Det: EXP1  
 Process Host: CTX1614  
 First Level Reviewer: khanphomeea Date: 22-Jan-2021 11:25:02  
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.082	2.091	-0.009	0.598	1554327	1.25	100	9251	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	1184119	0.9504		95.0	248	M
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.413	-0.013	0.689	1165750	1.30	104	3180	
4 Perfluoropentanoic acid	262.90 > 219.00	2.400	2.413	-0.013	1.000	958716	0.9284	92.8	43.9	
D 47 13C3 PFBS	301.90 > 80.00	2.426	2.426	0.0	0.697	1362623	1.16	99.4	225816	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.426	2.439	-0.013	1.000	1106212	0.8342	Target=2.21	94.4	2512
298.90 > 99.00	2.426	2.439	-0.013	1.000	492535		2.25(1.11-3.32)		420	
D 60 M2-4:2 FTS	329.00 > 81.00	2.722	2.734	-0.012	0.781	118206	1.20	103	139	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.722	2.734	-0.012	1.000	163361	0.8799	94.2	1482	
D 7 13C2 PFHxA	315.00 > 270.00	2.758	2.770	-0.012	0.792	1259167	1.34	107	5488	
6 Perfluorohexanoic acid	313.00 > 269.00	2.758	2.770	-0.012	1.000	1042545	0.9474	Target=12.83	94.7	218
313.00 > 119.00	2.758	2.770	-0.012	1.000	82847		12.58(6.42-19.25)		135	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.770	2.770	0.0	0.888	1066964	0.9170	Target=3.35	97.8	2718
349.00 > 99.00	2.770	2.770	0.0	0.888	315631		3.38(1.67-5.02)		719	
D 64 13C3 HFPO-DA	332.10 > 287.00	2.868	2.880	-0.012	0.823	167088	1.01	80.8	1076	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.868	2.880	-0.012	1.000	196850	1.06		106	32.3	
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.132	-0.011	0.896	1048487	1.19		101	2144	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.132	-0.011	1.000	928739	0.8888	Target=4.15	97.7	1609	M
399.00 > 99.00	3.121	3.132	-0.011	1.000	213872		4.34(2.08-6.23)		225	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.132	-0.011	0.896	1163223	1.29		104	2449	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.121	3.132	-0.011	1.000	967578	0.9520	Target=3.66	95.2	251	
363.00 > 169.00	3.121	3.132	-0.011	1.000	271566		3.56(1.83-5.49)		868	
77 DONA										
377.00 > 251.00	3.164	3.175	-0.011	0.834	1858434	0.9117	Target=2.43	96.8	2320	
377.00 > 85.00	3.164	3.175	-0.011	0.834	746044		2.49(1.22-3.65)		1092	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.465	3.483	-0.018	0.913	767359	0.9336	Target=5.95	98.1	2362	
449.00 > 99.00	3.474	3.483	-0.009	0.916	125330		6.12(2.98-8.93)		732	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.474	3.483	-0.009	0.997	129787	1.18		99.8	473	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.474	3.483	-0.009	1.000	101181	0.8323		87.8	756	
D 14 13C4 PFOA										
417.00 > 372.00	3.483	3.492	-0.009	1.000	1202867	1.32		105	3222	
* 62 13C2 PFOA										
415.00 > 370.00	3.483	3.492	-0.009		1153380	1.25			4359	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.483	3.492	-0.009	1.000	1000882	0.9595	Target=2.58	96.0	285	
413.00 > 169.00	3.483	3.492	-0.009	1.000	391587		2.56(1.29-3.87)		1213	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.794	3.804	-0.010	1.000	649590	0.9278	Target=5.65	100.0	562	M
499.00 > 99.00	3.794	3.804	-0.010	1.000	112005		5.80(2.82-8.47)		294	M
D 18 13C4 PFOS										
503.00 > 80.00	3.794	3.804	-0.010	1.089	727446	1.21		101	2571	
D 19 13C5 PFNA										
468.00 > 423.00	3.814	3.824	-0.010	1.095	1091050	1.35		108	1819	
20 Perfluorononanoic acid										
463.00 > 419.00	3.814	3.824	-0.010	1.000	901123	0.9327	Target=7.44	93.3	150	
463.00 > 169.00	3.814	3.824	-0.010	1.000	131120		6.87(3.72-11.16)		1543	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.955	3.964	-0.009	1.042	676327	0.8658		92.9	3052	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.081	4.092	-0.011	1.076	510751	0.9778	Target=2.54	102	2407	
549.00 > 99.00	4.081	4.092	-0.011	1.076	173404		2.95(1.27-3.81)		705	
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.126	-0.022	1.178	1033715	1.34		107	5140	



Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.115	4.126	-0.011	1.003	794035	0.9317	Target=9.29	93.2	599	
513.00 > 169.00	4.104	4.126	-0.022	1.000	97321		8.16(4.64-13.93)		829	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.126	-0.011	1.181	143059	1.27		106	569	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.126	-0.011	1.000	66619	0.8199		85.6	1579	
D 21 13C8 FOSA										
506.00 > 78.00	4.204	4.214	-0.010	1.207	1034845	0.9141		73.1	2604	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.204	4.214	-0.010	1.000	701761	0.8459		84.6	1403	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.246	4.257	-0.011	1.219	65230	1.17		93.4	187	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.257	4.268	-0.011	1.003	43636	0.9434		94.3	309	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.347	4.359	-0.012	1.146	339649	0.8156	Target=2.80	84.6	1478	
599.00 > 99.00	4.336	4.359	-0.023	1.143	122192		2.78(1.40-4.19)		803	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.369	4.381	-0.012	1.000	633008	1.00	Target=8.12	99.5	386	
563.00 > 169.00	4.369	4.381	-0.012	1.000	79812		7.93(4.06-12.18)		870	
D 30 13C2 PFUnA										
565.00 > 520.00	4.369	4.381	-0.012	1.254	779604	1.23		98.6	2648	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.380	4.392	-0.012	1.257	52234	0.9674		77.4	471	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.380	4.403	-0.023	1.000	37738	0.9756		97.6	354	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.467	4.480	-0.013	1.177	491049	0.6058		64.3	2859	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.612	-0.011	1.321	698545	1.05		83.7	3617	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.601	4.612	-0.011	1.000	527504	0.8582	Target=6.91	85.8	150	
613.00 > 169.00	4.601	4.612	-0.011	1.000	92567		5.70(3.45-10.36)		1000	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.633	-0.011	1.123	28488	0.6811		70.6	626	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.765	4.784	-0.019	1.256	108115	0.7057	Target=0.51	72.9	1365	
699.00 > 99.00	4.765	4.784	-0.019	1.256	214679		0.50(0.26-0.77)		1085	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.801	4.823	-0.022	1.043	459742	0.9217	Target=4.39	92.2	181	
663.00 > 169.00	4.801	4.823	-0.022	1.043	106866		4.30(2.20-6.59)		1416	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.995	5.005	-0.010	1.000	73009	1.05	Target=1.06	105	1432	
713.00 > 219.00	4.985	5.005	-0.020	0.998	75361		0.97(0.53-1.59)		1684	
D 43 13C2 PFTeDA										
715.00 > 670.00	4.995	5.005	-0.010	1.434	466791	0.9451		75.6	2696	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.338	5.361	-0.023	1.533	527357	1.00		80.0	2139	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.338	5.361	-0.023	1.000	395975	0.99	Target=3.84	99.3	181	
813.00 > 169.00	5.338	5.361	-0.023	1.000	106216		3.73(1.92-5.76)		1610	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.674	5.692	-0.018	1.063	392042	1.03	Target=3.92	103	279	
913.00 > 169.00	5.665	5.692	-0.027	1.061	104403		3.76(1.96-5.88)		868	

**QC Flag Legend**

Processing Flags

Review Flags

M - Manually Integrated

Data File: \\chromfms\Burlington\ChromData\LC812\20210121-44534.b\PA210121C03.d

Injection Date: 21-Jan-2021 21:21:26

Instrument ID: LC812

Lims ID: LCS 200-163122/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

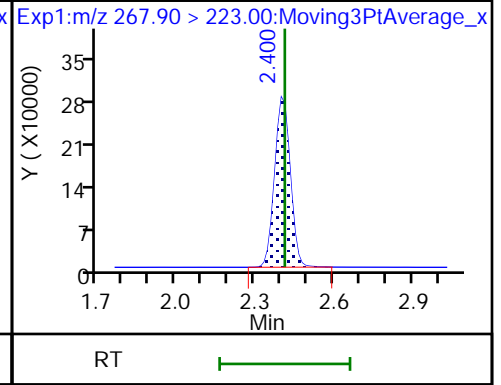
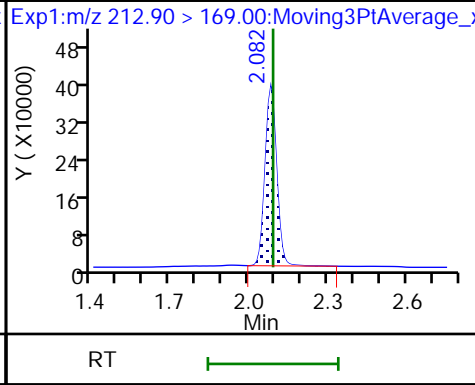
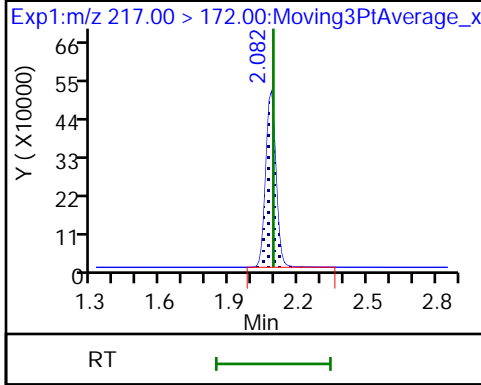
Method: PFC\_LC812

Limit Group: LC\_PFC\_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

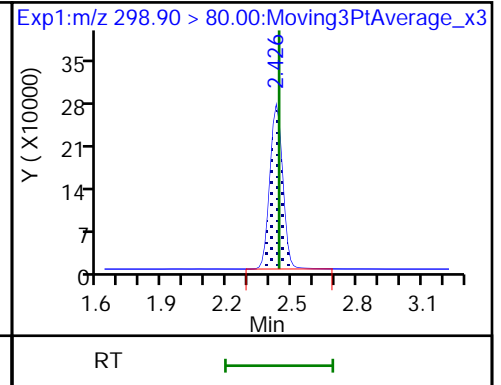
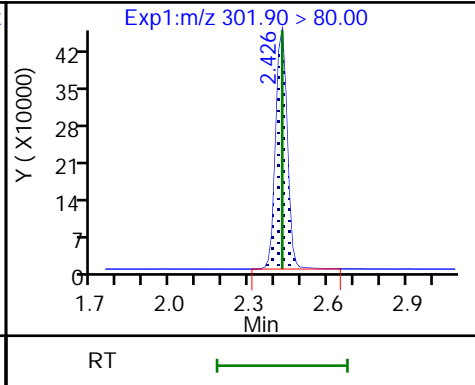
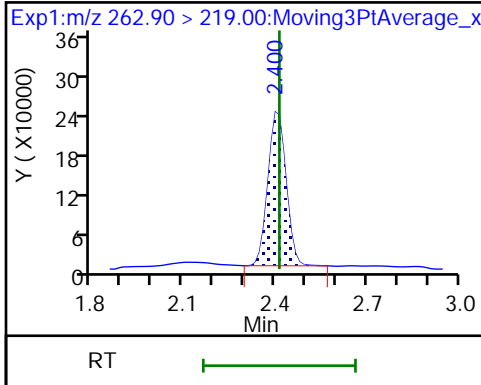
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

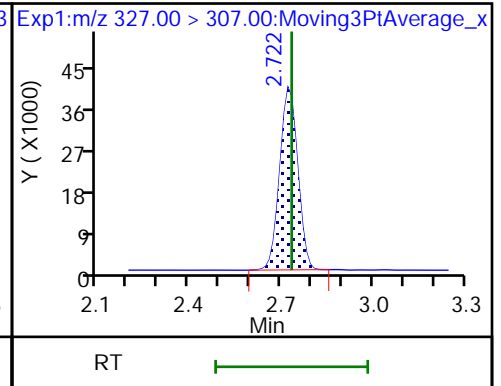
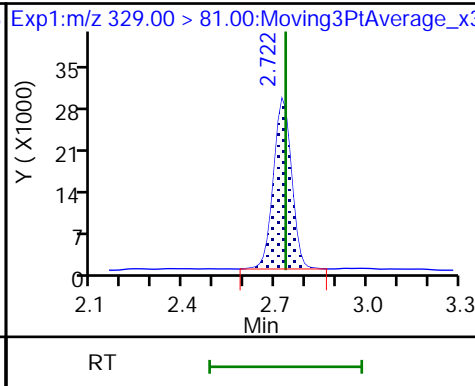
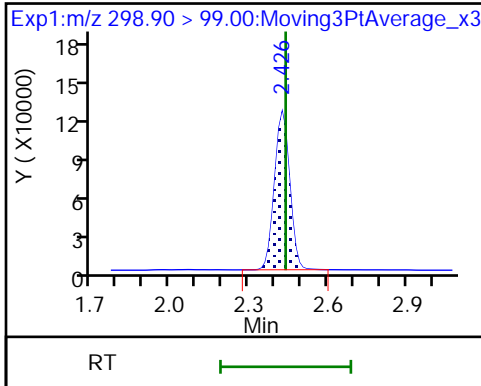
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

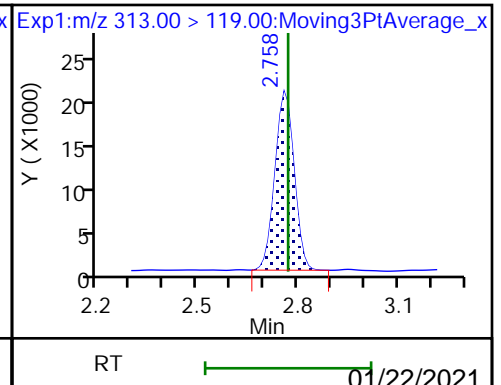
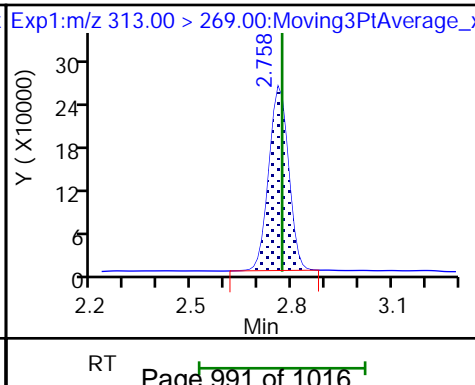
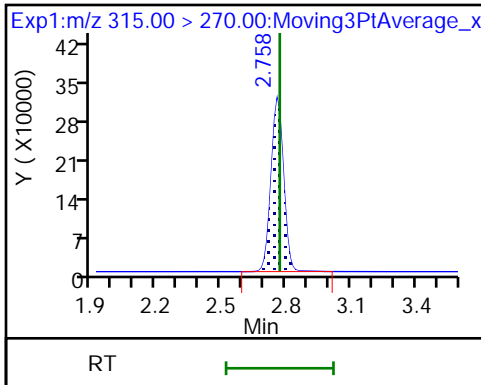
61 1H,1H,2H,2H-perfluorohexanesulfo

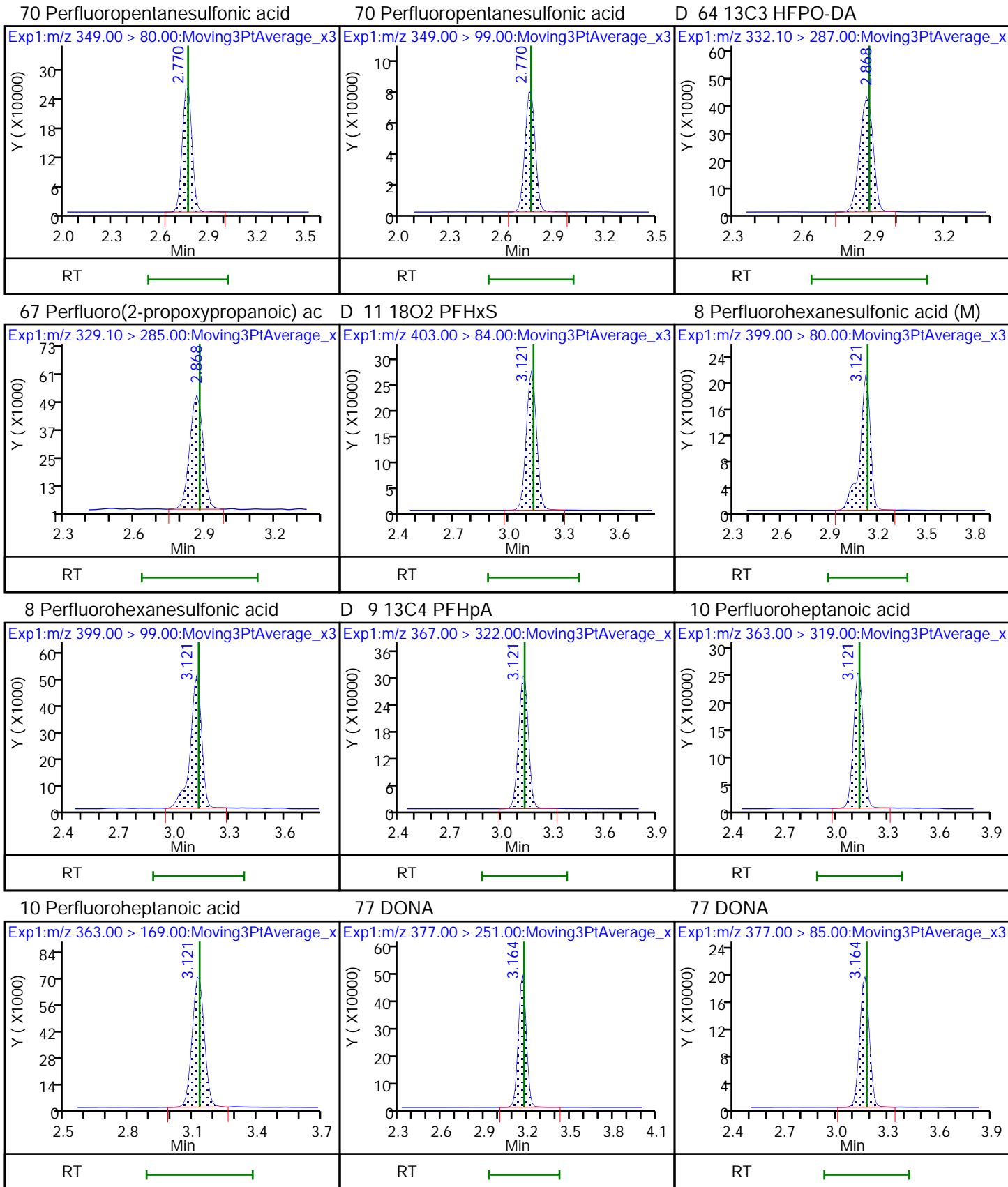


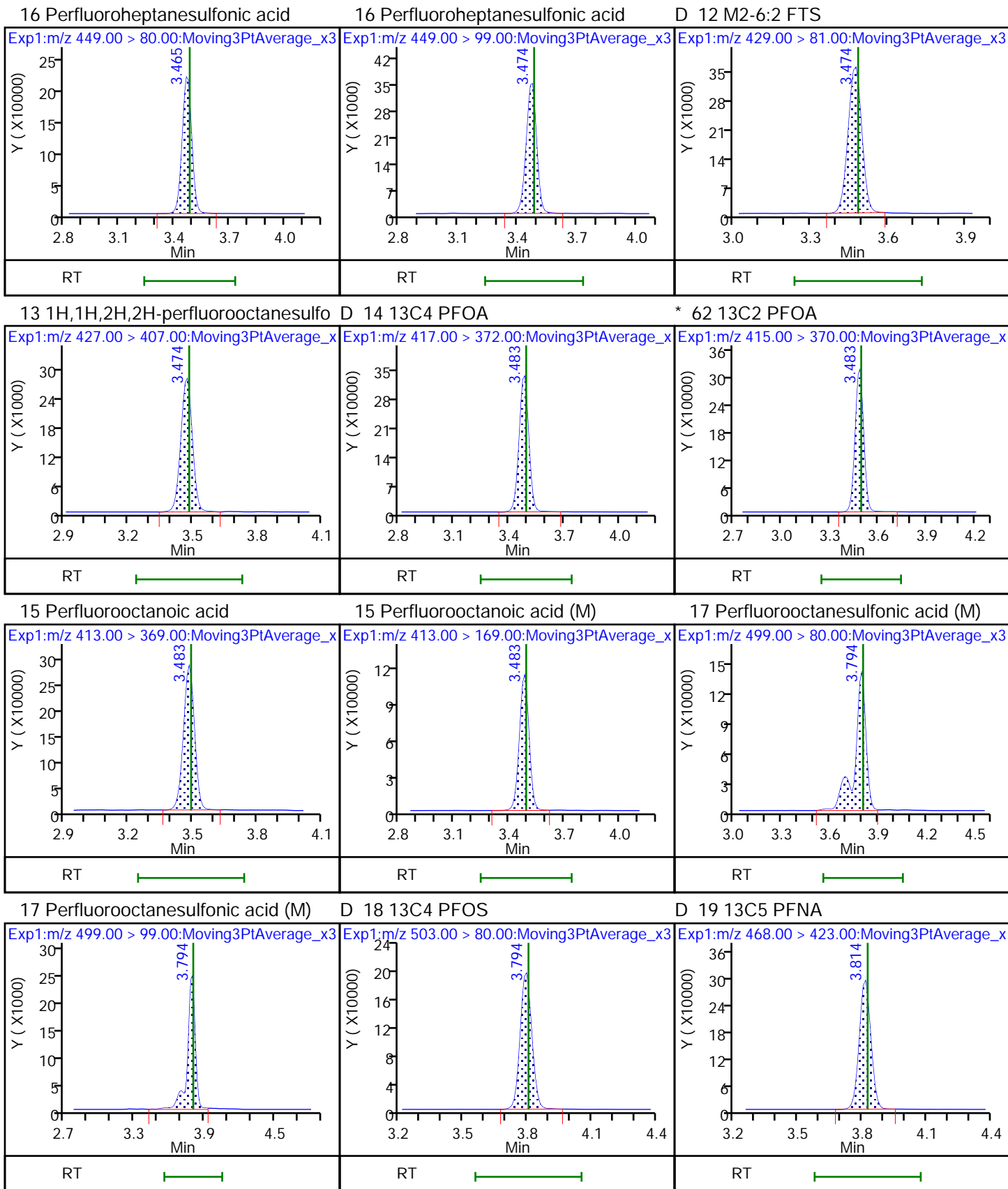
D 7 13C2 PFHxA

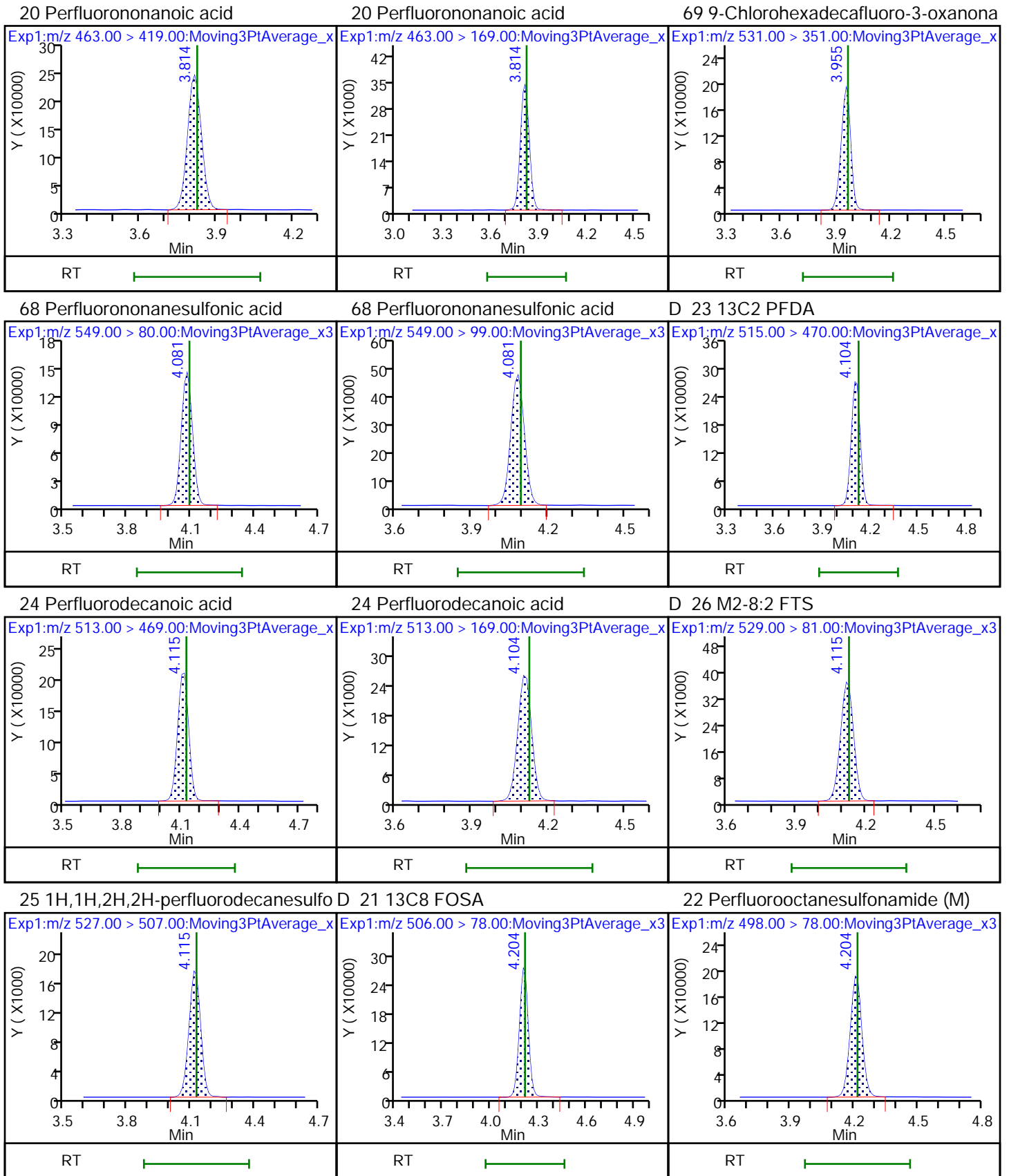
6 Perfluorohexanoic acid

6 Perfluorohexanoic acid





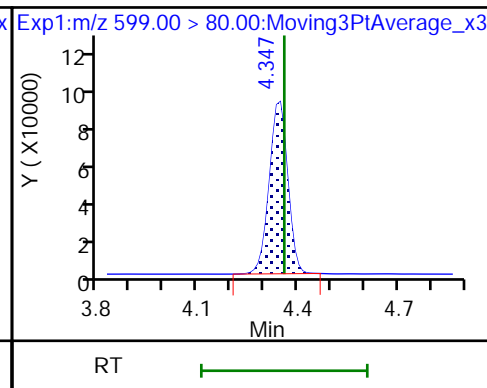
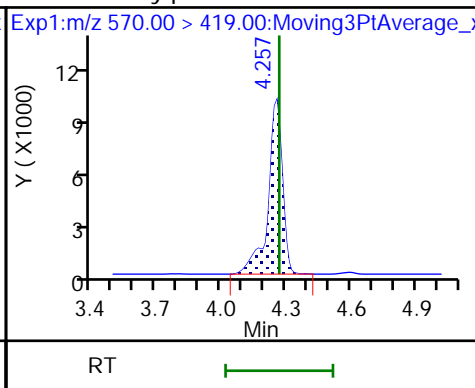
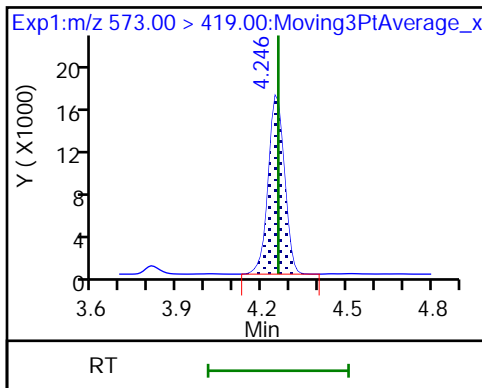




D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami

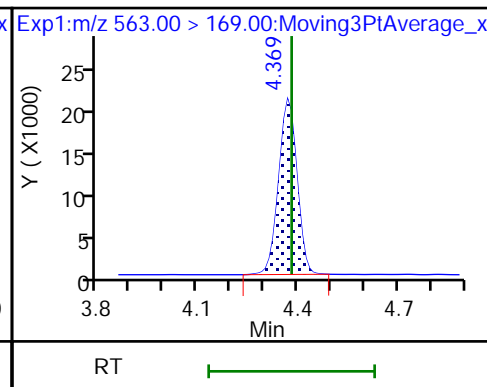
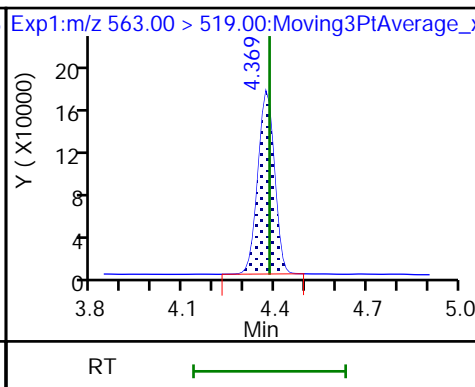
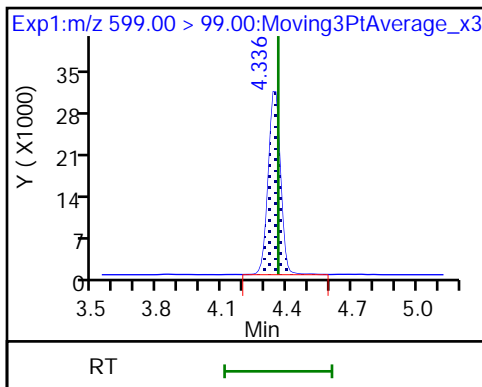
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

31 Perfluoroundecanoic acid

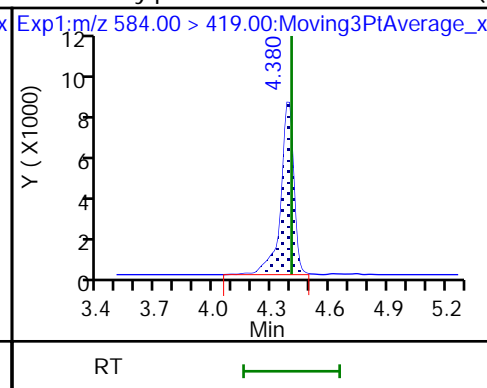
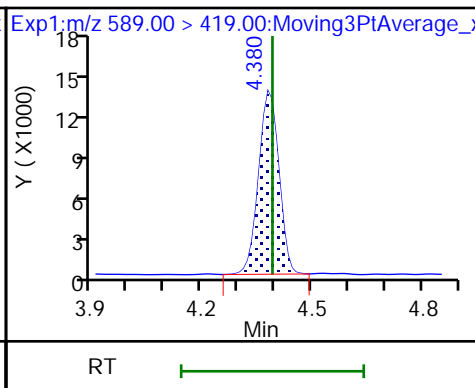
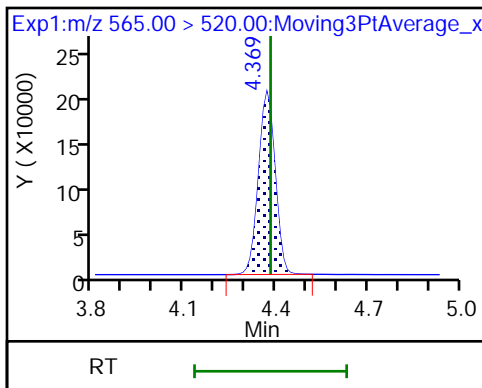
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

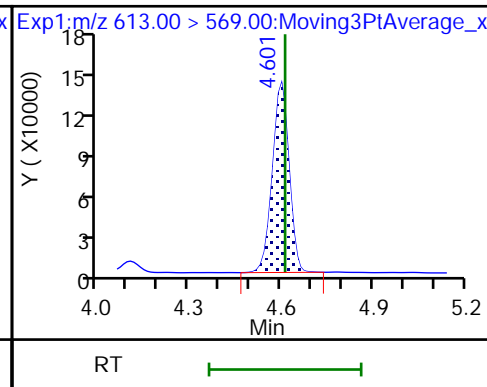
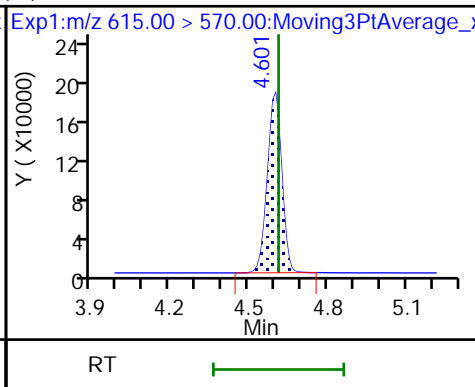
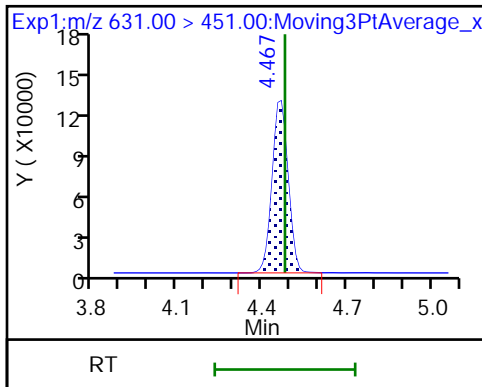
D 32 d5-NEtFOSAA

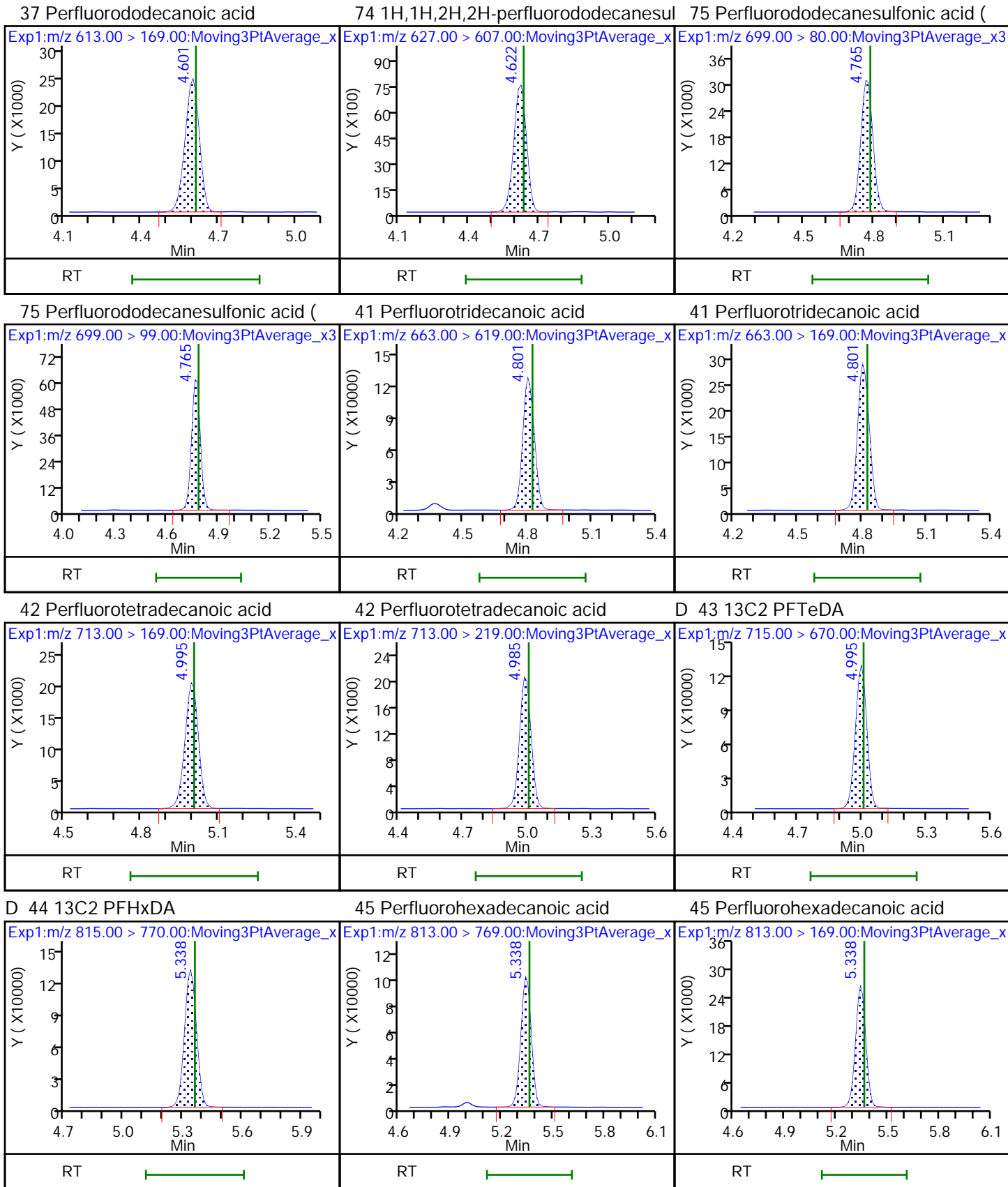
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec (M)36 13C2 PFDoA

37 Perfluorododecanoic acid

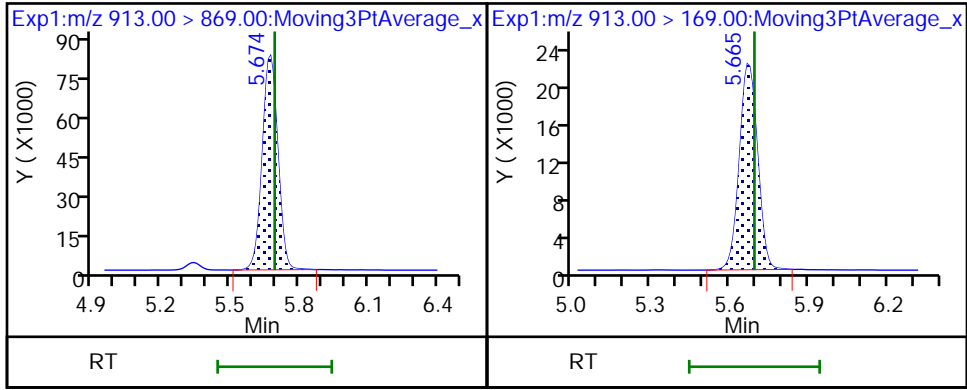






46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

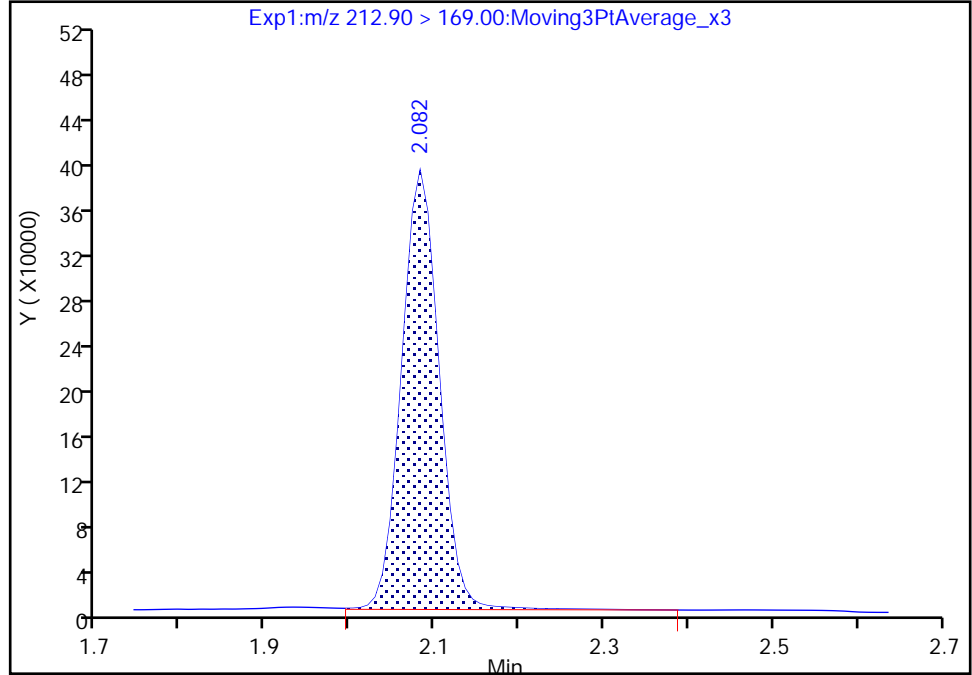
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C03.d  
Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

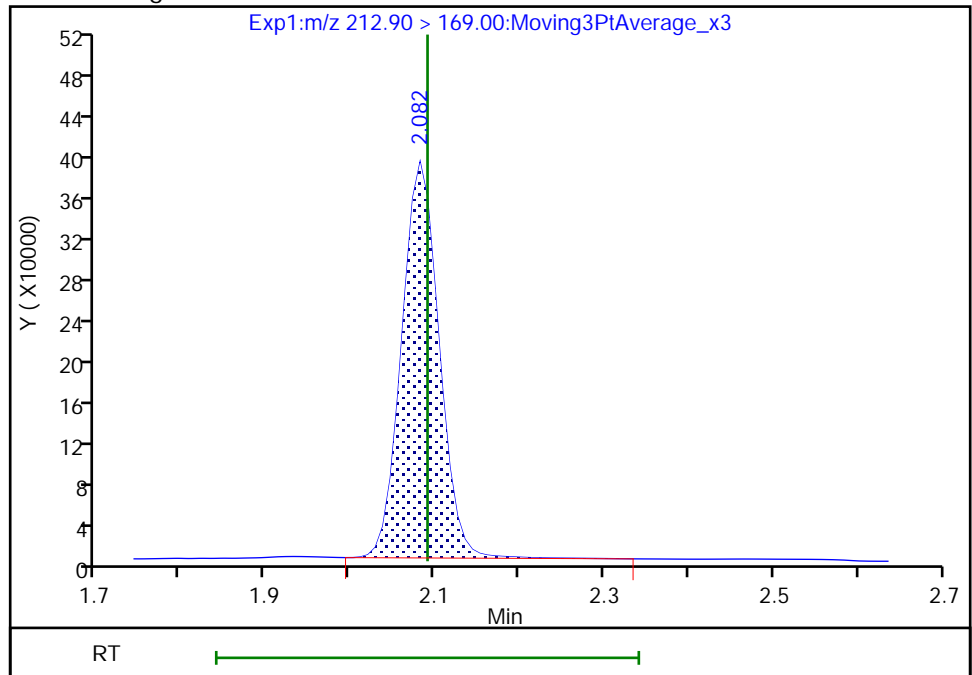
RT: 2.08  
Area: 1194726  
Amount: 0.958879  
Amount Units: ng/ml

Processing Integration Results



RT: 2.08  
Area: 1184119  
Amount: 0.950366  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:23:39  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

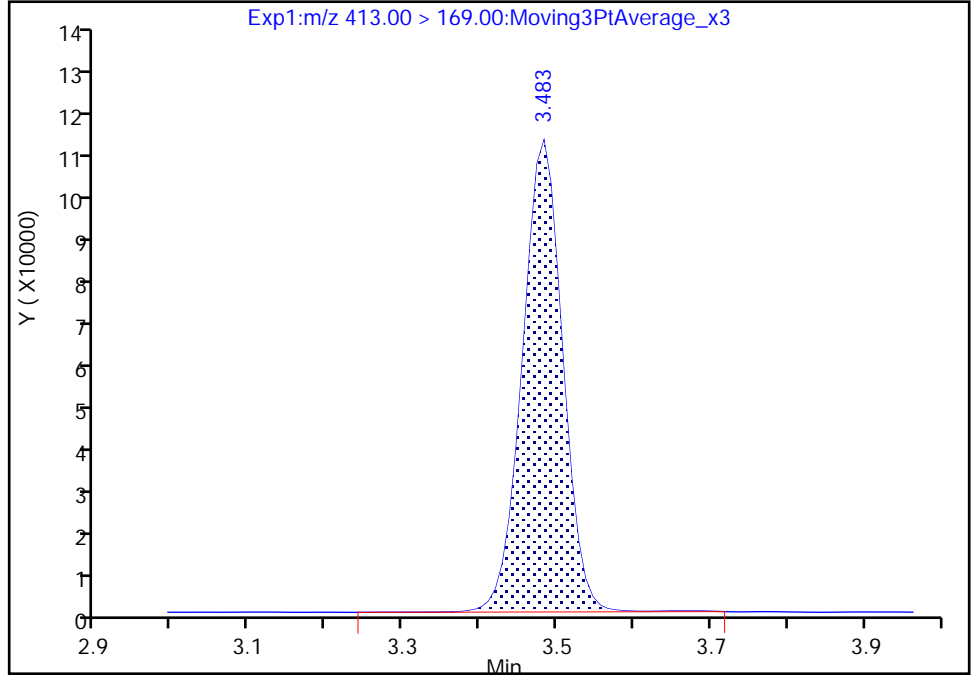
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C03.d  
Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

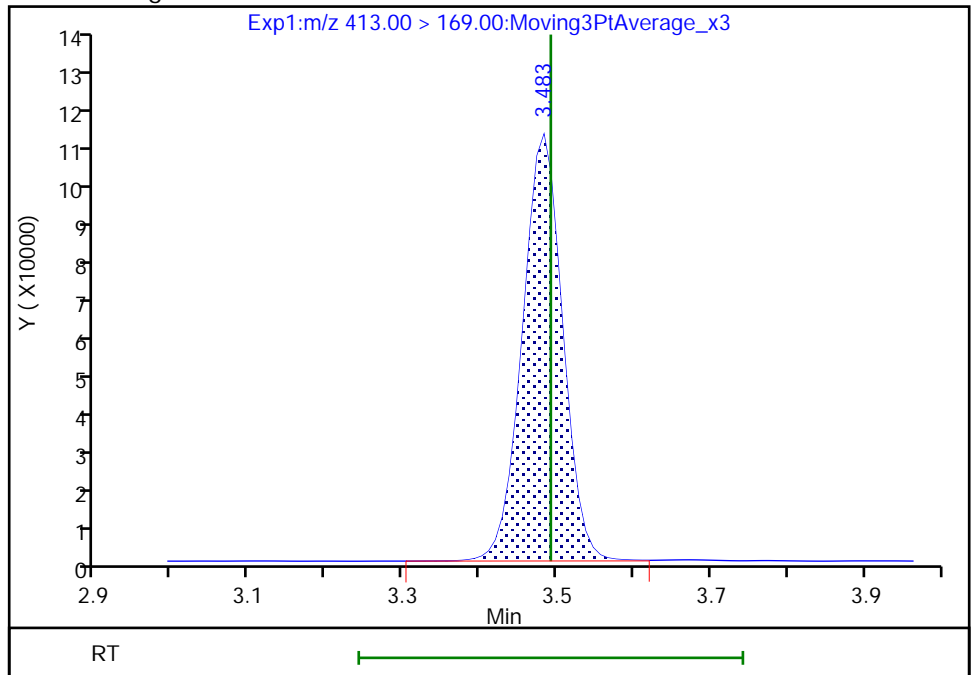
RT: 3.48  
Area: 392053  
Amount: 0.959537  
Amount Units: ng/ml

Processing Integration Results



RT: 3.48  
Area: 391587  
Amount: 0.959537  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:24:14  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

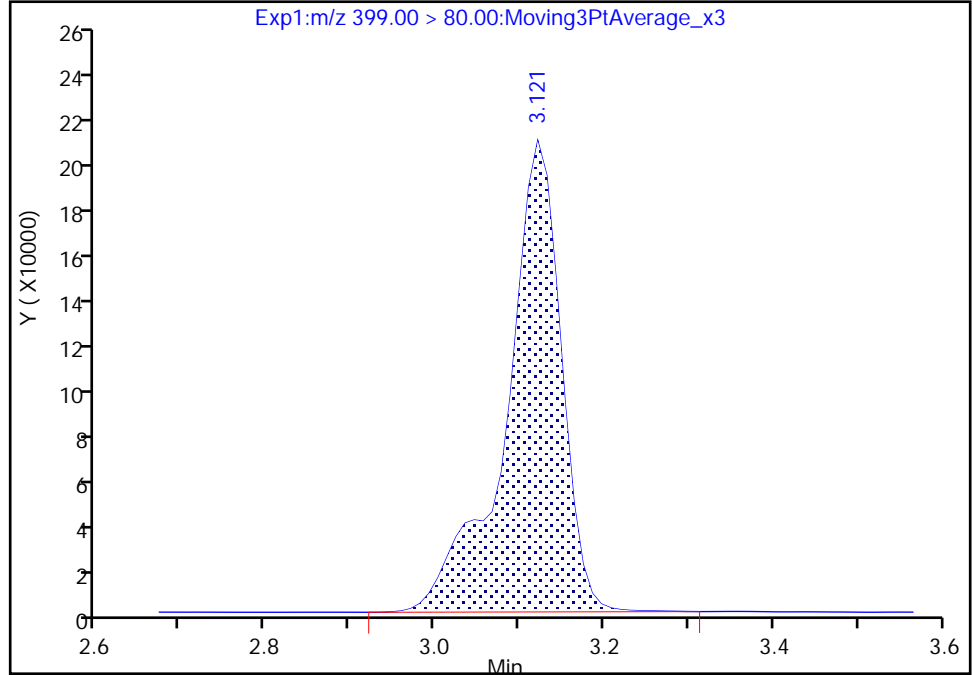
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C03.d  
Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

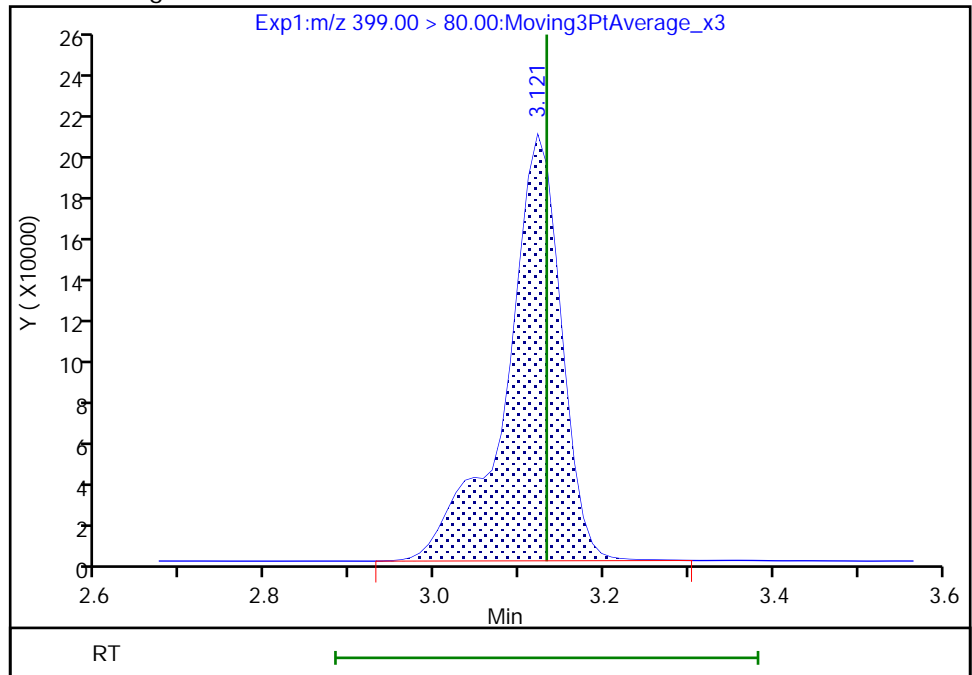
RT: 3.12  
Area: 929128  
Amount: 0.889182  
Amount Units: ng/ml

Processing Integration Results



RT: 3.12  
Area: 928739  
Amount: 0.888809  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:23:57  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

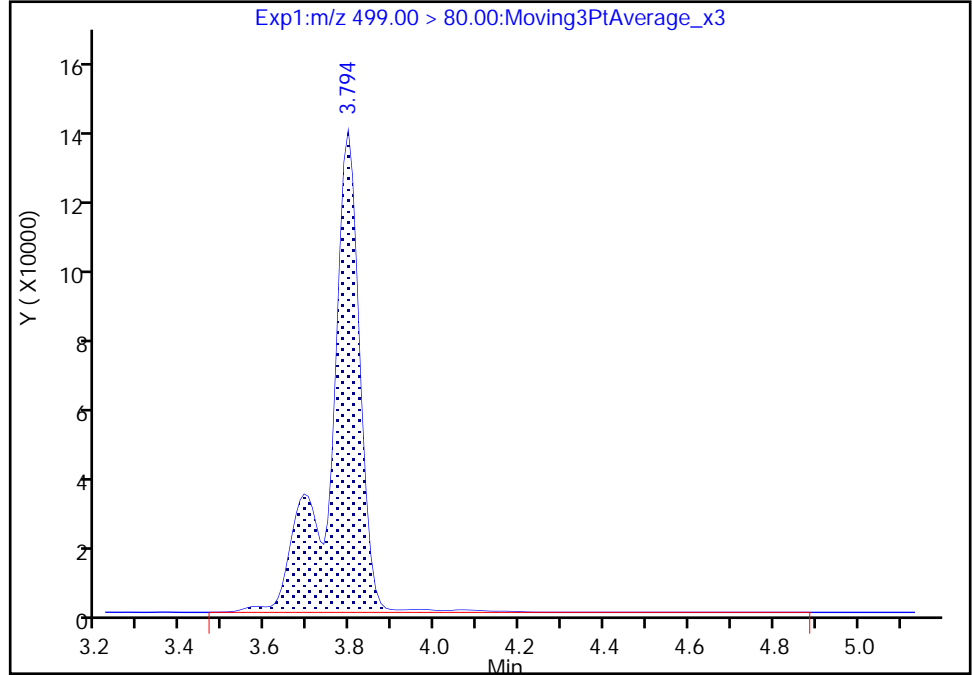
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Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

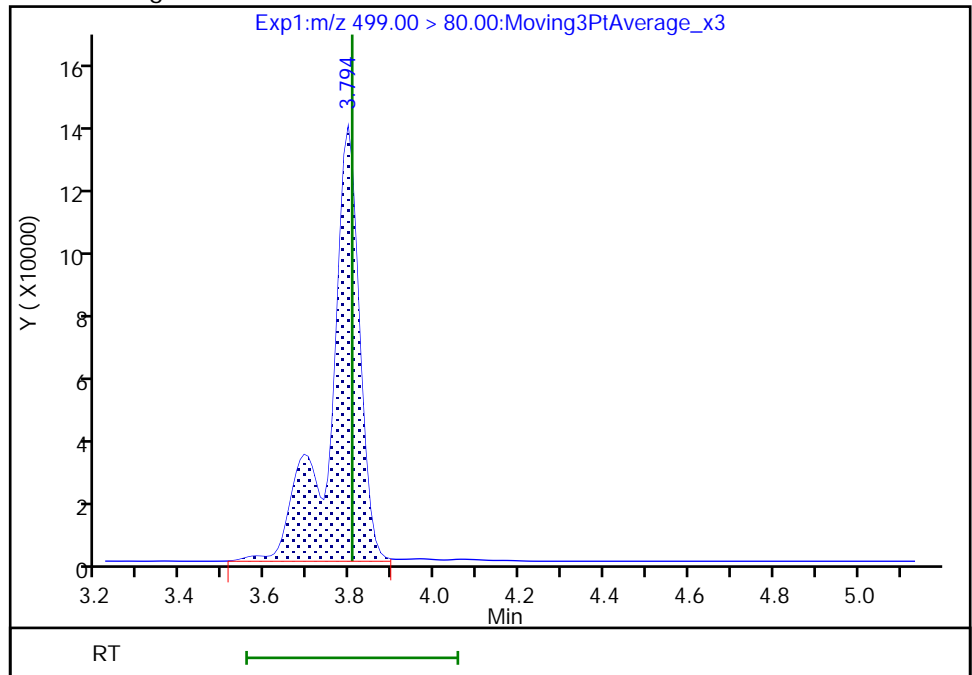
RT: 3.79  
Area: 658417  
Amount: 0.940443  
Amount Units: ng/ml

Processing Integration Results



RT: 3.79  
Area: 649590  
Amount: 0.927835  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:24:22  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

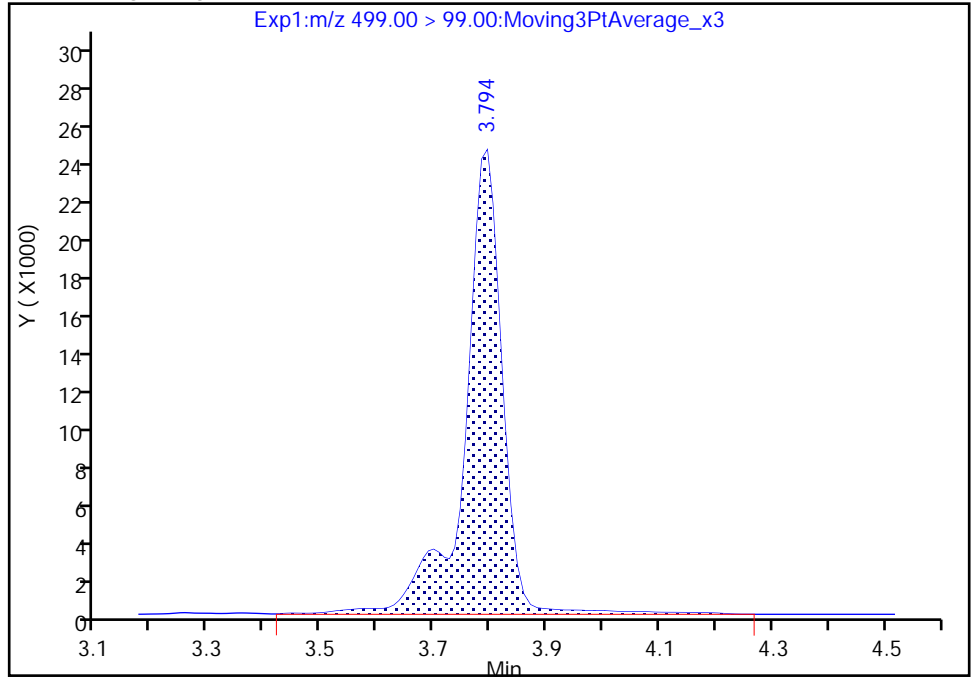
Data File: \\chromfs\Burlington\ChromData\LC812\20210121-44534.b\PA210121C03.d  
Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

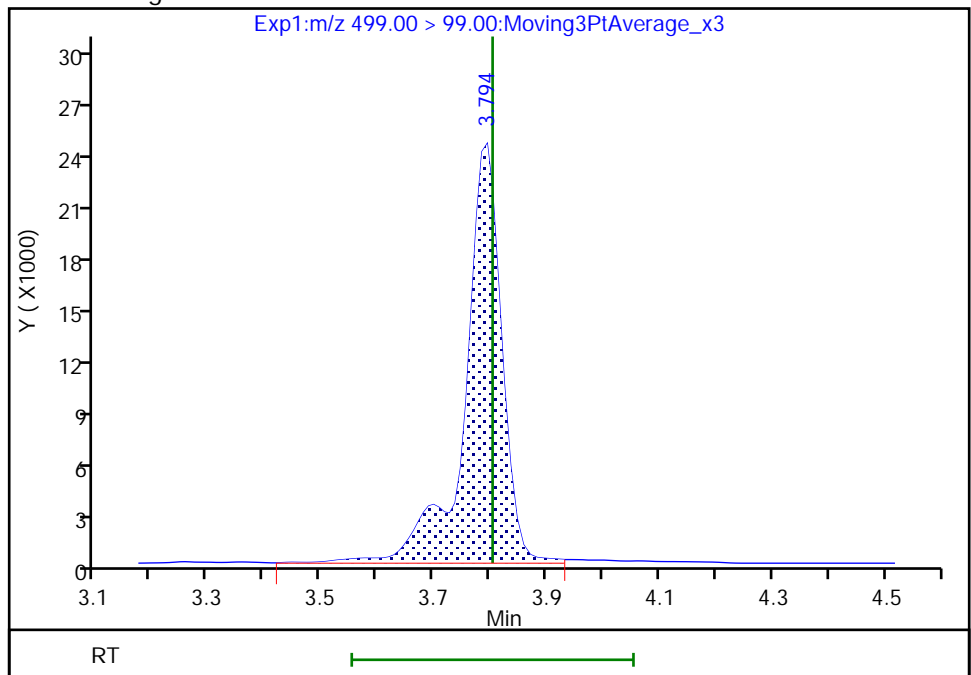
RT: 3.79  
Area: 114153  
Amount: 0.940443  
Amount Units: ng/ml

Processing Integration Results



RT: 3.79  
Area: 112005  
Amount: 0.927835  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:24:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

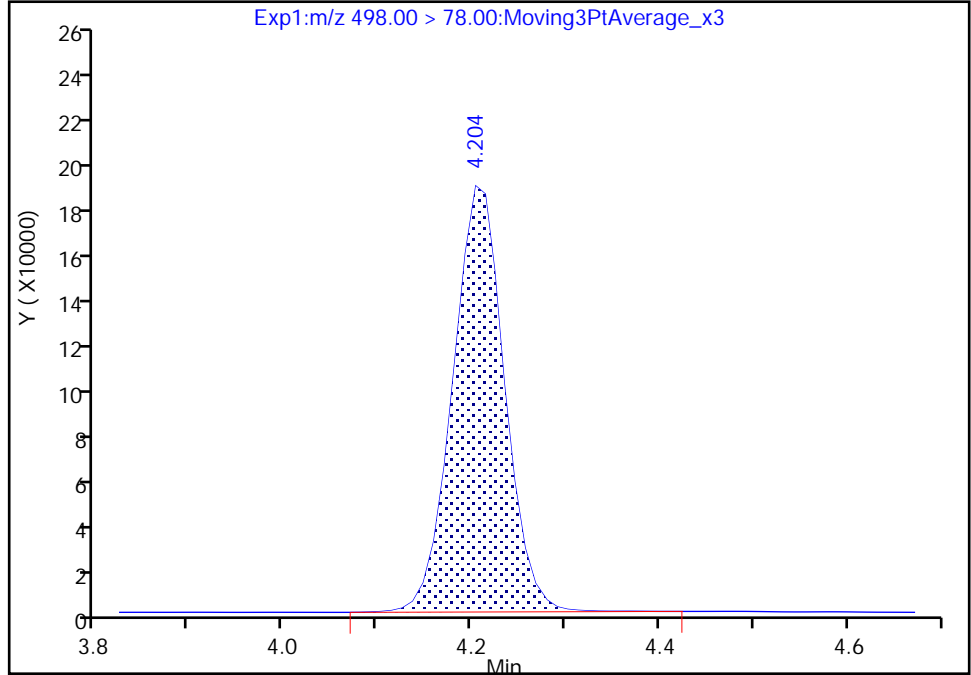
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Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

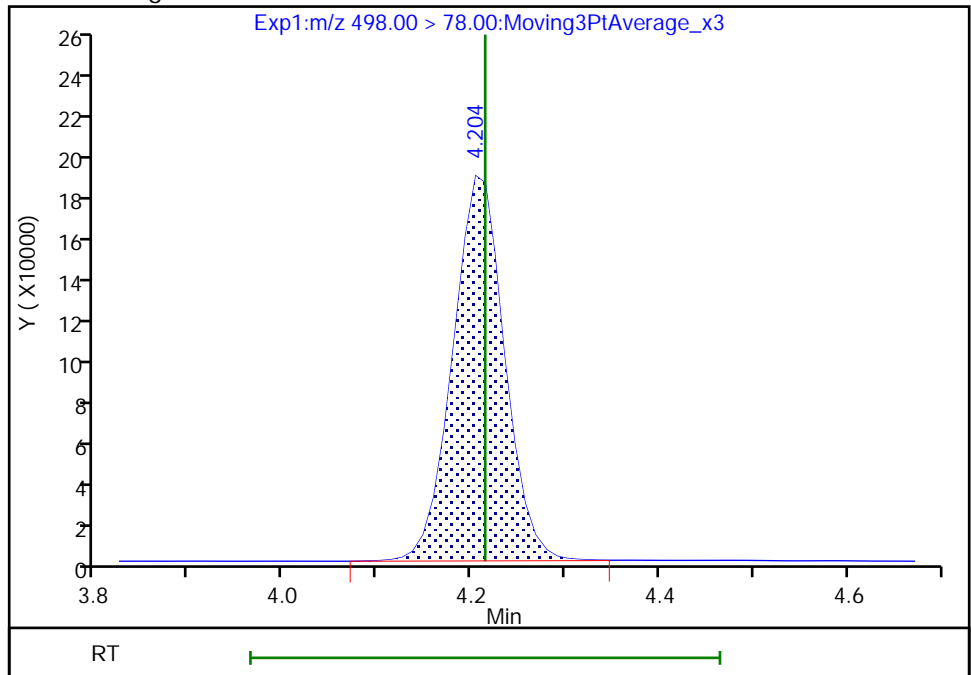
RT: 4.20  
Area: 702174  
Amount: 0.846350  
Amount Units: ng/ml

Processing Integration Results



RT: 4.20  
Area: 701761  
Amount: 0.845852  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:24:41  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

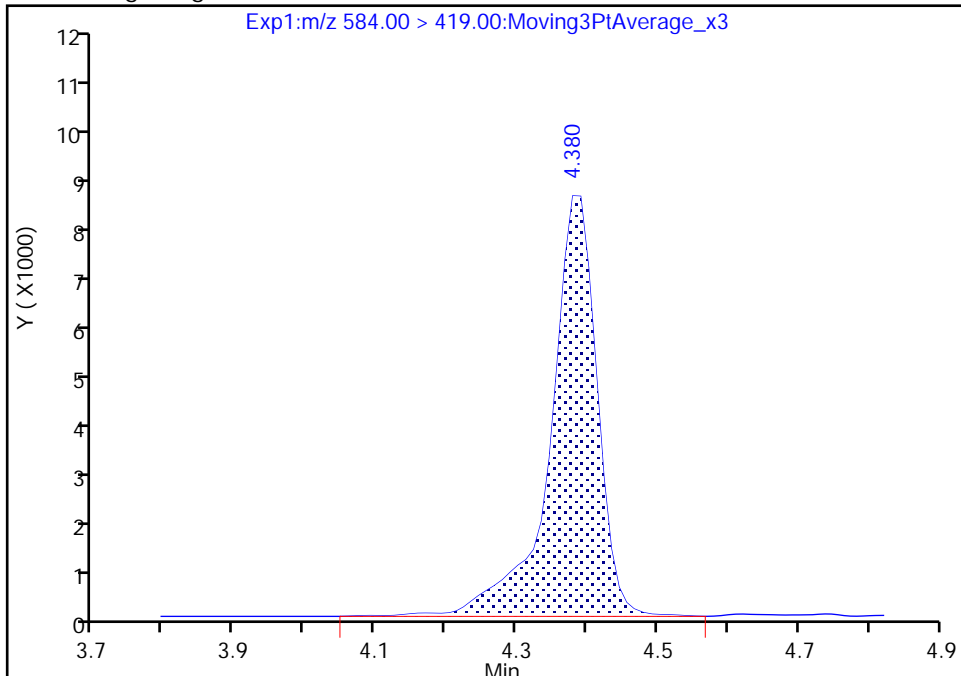
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Injection Date: 21-Jan-2021 21:21:26 Instrument ID: LC812  
Lims ID: LCS 200-163122/2-A  
Client ID:  
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3  
Injection Vol: 20.0 ul Dil. Factor: 1.0000  
Method: PFC\_LC812 Limit Group: LC\_PFC\_ICAL  
Column: C-18 ( 4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

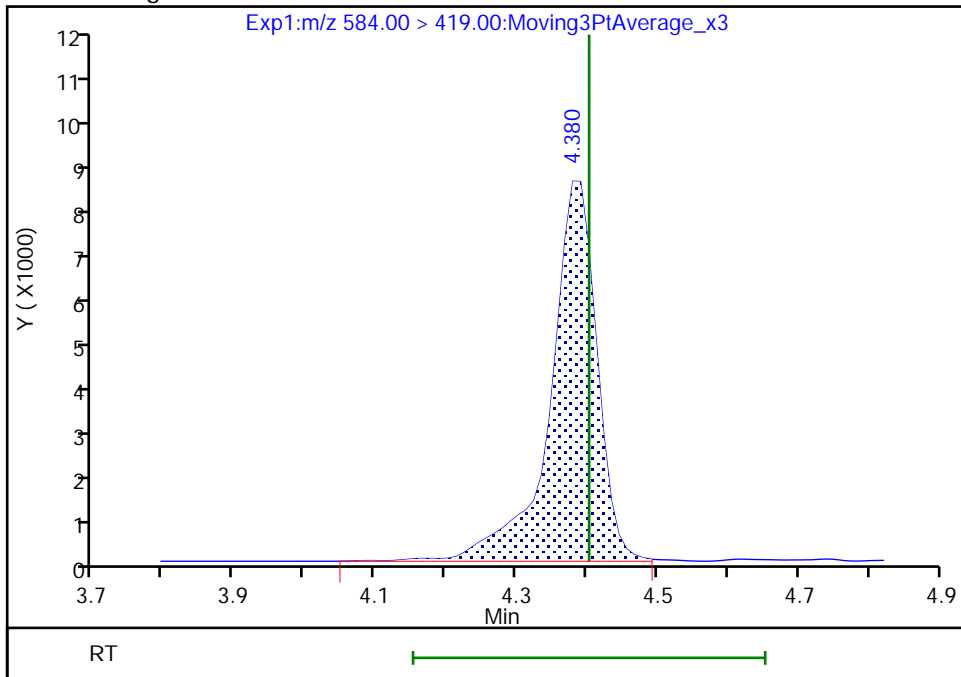
RT: 4.38  
Area: 37824  
Amount: 0.977809  
Amount Units: ng/ml

Processing Integration Results



RT: 4.38  
Area: 37738  
Amount: 0.975586  
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 22-Jan-2021 11:24:49  
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: LC812 Start Date: 12/22/2020 11:50

Analysis Batch Number: 162365 End Date: 12/22/2020 13:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/22/2020 11:50	1		C-18 4.6 (mm)
ZZZZZ		12/22/2020 11:58	1		C-18 4.6 (mm)
ZZZZZ		12/22/2020 12:06	1		C-18 4.6 (mm)
ZZZZZ		12/22/2020 12:15	1		C-18 4.6 (mm)
ZZZZZ		12/22/2020 12:23	1		C-18 4.6 (mm)
ZZZZZ		12/22/2020 12:31	1		C-18 4.6 (mm)
ZZZZZ		12/22/2020 12:39	1		C-18 4.6 (mm)
IC 200-162365/8		12/22/2020 12:48	1	PA201222ICAL008 .d	C-18 4.6 (mm)
IC 200-162365/9		12/22/2020 12:56	1	PA201222ICAL009 .d	C-18 4.6 (mm)
IC 200-162365/10		12/22/2020 13:04	1	PA201222ICAL010 .d	C-18 4.6 (mm)
ICIS 200-162365/11		12/22/2020 13:13	1	PA201222ICAL011 .d	C-18 4.6 (mm)
IC 200-162365/12		12/22/2020 13:21	1	PA201222ICAL012 .d	C-18 4.6 (mm)
IC 200-162365/13		12/22/2020 13:29	1	PA201222ICAL013 .d	C-18 4.6 (mm)
ICB 200-162365/14		12/22/2020 13:37	1	PA201222ICAL014 .d	C-18 4.6 (mm)
ICV 200-162365/15		12/22/2020 13:46	1	PA201222ICAL015 .d	C-18 4.6 (mm)
ZZZZZ		12/22/2020 13:54	1		C-18 4.6 (mm)

LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: LC812 Start Date: 01/21/2021 12:17

Analysis Batch Number: 163165 End Date: 01/21/2021 13:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/21/2021 12:17	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 12:25	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 12:33	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 12:42	1		C-18 4.6 (mm)
CCVL 200-163165/5		01/21/2021 12:50	1	PA210121A05.d	C-18 4.6 (mm)
CCVIS 200-163165/6		01/21/2021 12:58	1	PA210121A06.d	C-18 4.6 (mm)
ZZZZZ		01/21/2021 13:06	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 13:15	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 13:23	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 13:31	1		C-18 4.6 (mm)
CCV 200-163165/11		01/21/2021 13:40	1		C-18 4.6 (mm)

LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Instrument ID: LC812 Start Date: 01/21/2021 21:04

Analysis Batch Number: 163183 End Date: 01/22/2021 00:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-163183/1		01/21/2021 21:04	1	PA210121C01.d	C-18 4.6 (mm)
MB 200-163122/1-A		01/21/2021 21:13	1	PA210121C02.d	C-18 4.6 (mm)
LCS 200-163122/2-A		01/21/2021 21:21	1	PA210121C03.d	C-18 4.6 (mm)
ZZZZZ		01/21/2021 21:29	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 21:38	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 21:46	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 21:54	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 22:02	1		C-18 4.6 (mm)
460-226624-4	MW-102D	01/21/2021 22:11	1	PA210121C09.d	C-18 4.6 (mm)
ZZZZZ		01/21/2021 22:19	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 22:27	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 22:36	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 22:44	1		C-18 4.6 (mm)
CCV 200-163183/14		01/21/2021 22:52	1	PA210121C14.d	C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:00	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:09	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:17	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:25	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:34	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:42	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:50	1		C-18 4.6 (mm)
ZZZZZ		01/21/2021 23:58	1		C-18 4.6 (mm)
ZZZZZ		01/22/2021 00:07	1		C-18 4.6 (mm)
ZZZZZ		01/22/2021 00:15	1		C-18 4.6 (mm)
ZZZZZ		01/22/2021 00:23	1		C-18 4.6 (mm)
CCV 200-163183/26		01/22/2021 00:32	1		C-18 4.6 (mm)

LCMS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 460-226624-1

SDG No.: \_\_\_\_\_

Batch Number: 163122 Batch Start Date: 01/21/21 14:00 Batch Analyst: Kenney, Hannah C

Batch Method: 3535 Batch End Date: 01/21/21 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	LCMPFCIDA21 00027	LCPF32MTXStk 00030
MB 200-163122/1		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	100 uL	
LCS 200-163122/2		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	100 uL	25 uL
460-226624-G-4	MW-102D	3535, 537 (modified)	T	340.28 g	27.98 g	312.3 mL	10 mL	100 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS21 IS Stk 00028					
MB 200-163122/1		3535, 537 (modified)		100 uL					
LCS 200-163122/2		3535, 537 (modified)		100 uL					
460-226624-G-4	MW-102D	3535, 537 (modified)	T	100 uL					

Batch Notes	
Balance ID	M02926
Manifold ID	IDA 3 & 4
Pipette/Syringe/Dispenser ID	QH77727
Rinse Solvent Lot	1443689
Rinse Solvent Name	Hexane
Solvent Lot #	1453307
Solvent Name	Methanol (0.3% NH4OH)
SPE Cartridge Lot ID	Lot 005339338A
SPE Cartridge Type	Oasis WAX 500 mg
Analyst ID - Spike Analyst	HCK
Analyst ID - Spike Witness Analyst	KFW

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

PFA



TAL-8210

Address:

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact  
Company Name: F.A.R.  
Address: 225 Atlantic Av  
City/State/Zip: Port Jervis NY 13772  
Phone: 631-997-0900  
Fax: \_\_\_\_\_  
Project Name: REC-WEST Babylon 78  
Site: MSAFEC SITE # 152035  
P O # \_\_\_\_\_

Project Manager: DA H F M A M A L  
Tel/Email: 631 241 8741  
Site Contact: \_\_\_\_\_  
Date: 11/3/21  
Carrier: \_\_\_\_\_

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below 1 DAY  
 2 weeks  
 1 week  
 2 days  
 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)	Lab Contact:	Sample Specific Notes:
ERM-MW-05D	11/10/21	1028	G	W	4	N	N	W.C. EPA 8360	1
ERM-MW-06D	11/3/21	1101	G	W	4	N	N	PFA EPA 537	2
ERM-MW-01A	11/13/21	1132	G	W	4	N	N	1, YDIORVME EPA 8360	3
MW-102A	11/11/21	1206	G	W	8	N	N		4



460-226624 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.

Special Instructions/QC Requirements & Comments:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seals Intact:	Custody Seal No.:	Company:	Date/Time:	Received by:	Received in Laboratory by:	Company:	Date/Time:	Received by:	Received in Laboratory by:	Company:	Date/Time:
<input type="checkbox"/> Yes <input type="checkbox"/> No		E.A.R.	11/21/21	Source Ref	Source Ref	E.A.R.	11/21/21	Source Ref	Source Ref	E.A.R.	11/21/21
		Source Ref	11/21/21	Source Ref	Source Ref	Source Ref	11/21/21	Source Ref	Source Ref	Source Ref	11/21/21
		Source Ref	11/21/21	Source Ref	Source Ref	Source Ref	11/21/21	Source Ref	Source Ref	Source Ref	11/21/21

Therm ID No.: \_\_\_\_\_  
Cooler Temp. (°C): Obs'd: \_\_\_\_\_  
Corr'd: \_\_\_\_\_  
Term ID No.: \_\_\_\_\_  
Date/Time: 11/18/2021 18:28







TAL-8210

Regulatory Program:  DW  NPDES  RCRA  Other

Project Manager: IAA HAFMAN  
Tel/Email: 631 241 8741

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
TAT if different from Below: 10 DAY

2 weeks  
 1 week  
 2 days  
 1 day

Client Contact  
Company Name: E.A.R.  
Address: 225 Atlantic Av  
City/State/Zip: Brooklyn NY 11212  
Phone: 631 447-1490  
Fax:  
Project Name: REC- WEST Babylon 78  
Site: MSOEE SITE # 152035  
P O #

Site Contact:  
Date: 1/13/21  
Carrier: NYC

Lab Contact:  
Lab Contact: 1, YDIORNE BMSD  
Perform MS / MSD (Y / N)  
Filtered Sample (Y / N)

Sampler:  
For Lab Use Only:  
Walk-in Client:  
Lab Sampling:  
Job / SDG No.:

Sample Specific Notes:

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Identification
1/11/21	1028	G	W	4	ERM-MW-05A
1/13/21	1101	G	W	4	ERM-MW-06A
1/13/21	1132	G	W	4	ERM-MW-01A
1/11/21	1206	G	W	8	MW-102A



460-226624 COC

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

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seals Intact:  Yes  No

Relinquished by: [Signature]  
Relinquished by: [Signature]  
Relinquished by: [Signature]

Company: E.A.R.  
Company: E.A.R.  
Company: TRB

Date/Time: 1/13/21 1130  
Date/Time: 1/14/21 1240  
Date/Time: 1/15/21 1030

Received by: [Signature]  
Received by: [Signature]  
Received in Lab by: [Signature]

ORIGIN ID: AIVA  
TESTAMERICA NYC (646) 745-0906  
47-32 32ND PLACE,  
SUITE 1141  
LONG ISLAND CITY, NY 11101  
UNITED STATES US

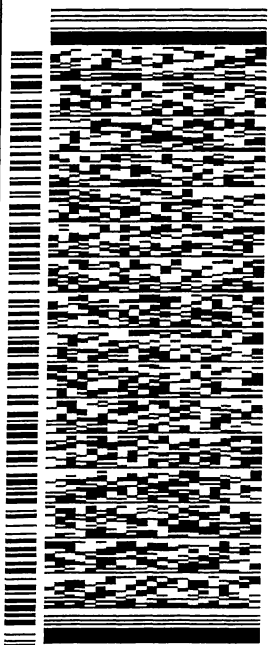
SHIP DATE: 14JAN21  
ACTWGT: 30.00 LB  
CAD: 112977992/INET4280  
DIMS: 24x20x18 IN  
BILL RECIPIENT

TO **SAMPLING RECEIVING BVT**  
**TESTAMERICA**  
**30 COMMUNITY DR STE 11**

**SOUTH BURLINGTON VT 05403**  
REF: (802) 660-1990  
INV. PO

56BJ17136/B766

DEPT:



**FRI - 15 JAN 10:30A**

**PRIORITY OVERNIGHT**

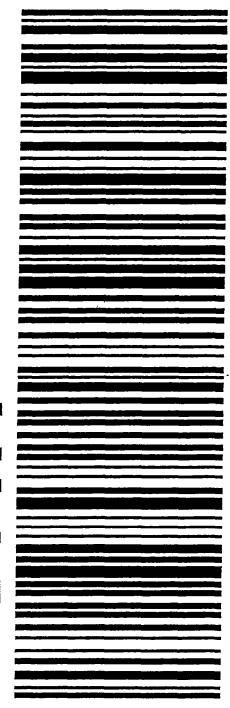
DSR

**05403**

VT-US **BTV**

TRK# **7726 3286 5606**  
0201

**NL BTVA**



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.  
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

# Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-226624-1

**Login Number: 226624**  
**List Number: 1**  
**Creator: DiGuardia, Joseph L**

**List Source: Eurofins TestAmerica, Edison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (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: New York State D.E.C.

Job Number: 460-226624-1

**Login Number: 226624**  
**List Number: 2**  
**Creator: Jaffe, Nat S**

**List Source: Eurofins TestAmerica, Burlington**  
**List Creation: 01/19/21 02:05 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
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	1.5°C
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.	N/A	
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	

## ANALYTICAL REPORT

Eurofins TestAmerica, Edison  
777 New Durham Road  
Edison, NJ 08817  
Tel: (732)549-3900

Laboratory Job ID: 460-226675-1

Client Project/Site: DEC-WESTBABYLON78; Site: 152025

**For:**

New York State D.E.C.  
625 Broadway  
Division of Environmental Remediation  
Albany, New York 12233-7014

Attn: Samantha Salotto



*Authorized for release by:*

*1/29/2021 2:09:11 PM*

Jill Miller, Senior Project Manager  
(484)685-0871

[Jill.Miller@Eurofinset.com](mailto:Jill.Miller@Eurofinset.com)

Designee for

Julie Gilmore, Project Manager I  
(484)685-0865

[Julie.Gilmore@Eurofinset.com](mailto:Julie.Gilmore@Eurofinset.com)

### LINKS

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results through

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*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.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

### LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.
Z	See case narrative notes for explanation of the 'Z' flag

### Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



# Case Narrative

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Job ID: 460-226675-1**

**Laboratory: Eurofins TestAmerica, Edison**

**Narrative**

## CASE NARRATIVE

**Client: New York State D.E.C.**

**Project: DEC-WESTBABYLON78; Site: 152025**

**Report Number: 460-226675-1**

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 01/15/2021; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 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-100D (460-226675-1), MW-07SM (460-226675-2), ERM-MW-07D (460-226675-3), MW-101D (460-226675-4), MW-X (460-226675-5), Rinsate (460-226675-6), Drum Waste Characterization (460-226675-7) and Trip Blank 20210114 (460-226675-8) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 01/26/2021 and 01/27/2021.

The continuing calibration verification (CCV) associated with batch 460-755281 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) and laboratory control sample duplicate (LCSD) for analytical batch 460-755281 recovered outside control limits for the following analytes: Methyl acetate and 1,4-Dioxane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-755377 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) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-755377 recovered outside control limits for the following analytes: 1,4-Dioxane and Methyl acetate. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-100D (460-226675-1) and Drum Waste Characterization (460-226675-7). Elevated reporting limits (RLs) are provided.

# Case Narrative

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Job ID: 460-226675-1 (Continued)

### Laboratory: Eurofins TestAmerica, Edison (Continued)

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-07SM (460-226675-2) and MW-101D (460-226675-4). Elevated reporting limits (RLs) are provided.

1,4-Dioxane and Methyl acetate failed the recovery criteria high for LCS 460-755281/4. Methyl acetate failed the recovery criteria high for LCS 460-755377/4. 1,4-Dioxane and Methyl acetate failed the recovery criteria high for LCSD 460-755281/6. 1,4-Dioxane and Methyl acetate failed the recovery criteria high for LCSD 460-755377/5. Refer to the QC report for details.

Samples MW-100D (460-226675-1)[25X], MW-07SM (460-226675-2)[2X], MW-101D (460-226675-4)[200X] and Drum Waste Characterization (460-226675-7)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

### **SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)**

Sample Drum Waste Characterization (460-226675-7) was analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 01/19/2021 and analyzed on 01/20/2021.

The surrogate recovery for the blank associated with preparation batch 460-753689 and analytical batch 460-753850 was outside the upper control limits.

The continuing calibration verification (CCV) analyzed in batch 460-753850 was outside the method criteria for the following analyte(s): 2-Nitroaniline and Benzaldehyde. 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(s) is considered estimated.

The laboratory control sample (LCS) for preparation batch 460-753689 and analytical batch 460-753850 recovered outside control limits for the following analytes: Atrazine and Benzo[a]pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

2-Fluorophenol (Surr) failed the surrogate recovery criteria high for MB 460-753689/1-A. Terphenyl-d14 (Surr) failed the surrogate recovery criteria high for 460-226658-D-1-A MS. 2-Fluorophenol (Surr) failed the surrogate recovery criteria high for 460-226658-D-1-B MSD. Refer to the QC report for details.

Atrazine and Benzo[a]pyrene failed the recovery criteria high for LCS 460-753689/2-A. Refer to the QC report for details.

Di-n-butyl phthalate, Fluoranthene and Hexachlorobutadiene failed the recovery criteria high for the MS of sample 460-226658-1 in batch 460-753850.

Several analytes failed the recovery criteria high for the MSD of sample 460-226658-1 in batch 460-753850. Fluoranthene exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles 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-100D (460-226675-1), ERM-MW-07D (460-226675-3) and MW-X (460-226675-5) 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 and analyzed on 01/20/2021.

No difficulties were encountered during the 1,4 Dioxane analysis.

# Case Narrative

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

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## Job ID: 460-226675-1 (Continued)

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### Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

#### **PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)**

Samples MW-100D (460-226675-1), ERM-MW-07D (460-226675-3) and MW-X (460-226675-5) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 01/21/2021 and analyzed on 01/22/2021 and 01/23/2021.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-454252.

The following samples were cloudy prior to extraction: ERM-MW-07D (460-226675-3) and MW-X (460-226675-5)

The transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: MW-100D (460-226675-1).

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for 13C2 PFDA and 13C5 PFNA in the following sample: MW-X (460-226675-5). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for several analytes in the following sample: MW-100D (460-226675-1). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

#### **METALS**

Sample Drum Waste Characterization (460-226675-7) was analyzed for Metals in accordance with 6010D. The samples were prepared on 01/20/2021 and analyzed on 01/21/2021.

for the duplicate of sample 460-226770-1. Refer to the QC report for details.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

#### **TOTAL MERCURY**

Sample Drum Waste Characterization (460-226675-7) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/27/2021.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

# Detection Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Client Sample ID: MW-100D

## Lab Sample ID: 460-226675-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	44		25	6.6	ug/L	25		8260D	Total/NA
1,1-Dichloroethane	11	J	25	6.6	ug/L	25		8260D	Total/NA
1,1,1-Trichloroethane	2900		25	6.0	ug/L	25		8260D	Total/NA
Trichloroethene	2000		25	7.9	ug/L	25		8260D	Total/NA
Tetrachloroethene	9600		25	6.2	ug/L	25		8260D	Total/NA
Toluene	26		25	9.5	ug/L	25		8260D	Total/NA
m-Xylene & p-Xylene	14	J	25	7.4	ug/L	25		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	13	J	25	7.8	ug/L	25		8260D	Total/NA
1,2-Dichlorobenzene	91		25	5.3	ug/L	25		8260D	Total/NA
1,2,4-Trichlorobenzene	15	J	25	9.1	ug/L	25		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	23.8		4.57	2.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	13.3		1.83	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.10		1.83	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.36		1.83	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.27		1.83	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.35	J	1.83	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.83	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.81	J	1.83	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.31	J Z	1.83	0.49	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MW-07SM

## Lab Sample ID: 460-226675-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.63	J	2.0	0.53	ug/L	2		8260D	Total/NA
1,1-Dichloroethane	1.3	J	2.0	0.53	ug/L	2		8260D	Total/NA
1,1,1-Trichloroethane	27		2.0	0.48	ug/L	2		8260D	Total/NA
Trichloroethene	31		2.0	0.63	ug/L	2		8260D	Total/NA
Tetrachloroethene	860		2.0	0.50	ug/L	2		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	J	2.0	0.62	ug/L	2		8260D	Total/NA
1,2-Dichlorobenzene	3.6		2.0	0.42	ug/L	2		8260D	Total/NA
1,2,4-Trichlorobenzene	2.1		2.0	0.73	ug/L	2		8260D	Total/NA

## Client Sample ID: ERM-MW-07D

## Lab Sample ID: 460-226675-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.7		1.0	0.25	ug/L	1		8260D	Total/NA
Perfluoropentanoic acid (PFPeA)	0.65	J	1.85	0.45	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MW-101D

## Lab Sample ID: 460-226675-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	65	J	200	53	ug/L	200		8260D	Total/NA
1,1-Dichloroethane	55	J	200	53	ug/L	200		8260D	Total/NA
1,1,1-Trichloroethane	1600		200	48	ug/L	200		8260D	Total/NA
Trichloroethene	1500		200	63	ug/L	200		8260D	Total/NA
Tetrachloroethene	82000		200	50	ug/L	200		8260D	Total/NA
Toluene	130	J	200	76	ug/L	200		8260D	Total/NA
m-Xylene & p-Xylene	150	J	200	59	ug/L	200		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	63	J	200	62	ug/L	200		8260D	Total/NA
1,2-Dichlorobenzene	1200		200	42	ug/L	200		8260D	Total/NA
1,2,4-Trichlorobenzene	170	J	200	73	ug/L	200		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

# Detection Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Client Sample ID: MW-X

Lab Sample ID: 460-226675-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.5		1.0	0.25	ug/L	1		8260D	Total/NA
Perfluoropentanoic acid (PFPeA)	0.61	J	1.80	0.44	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: Rinsate

Lab Sample ID: 460-226675-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.95	J	1.0	0.40	ug/L	1		8260D	Total/NA

## Client Sample ID: Drum Waste Characterization

Lab Sample ID: 460-226675-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	11	J	25	6.6	ug/L	25		8260D	Total/NA
1,1-Dichloroethane	7.7	J	25	6.6	ug/L	25		8260D	Total/NA
cis-1,2-Dichloroethene	10	J	25	5.5	ug/L	25		8260D	Total/NA
1,1,1-Trichloroethane	450		25	6.0	ug/L	25		8260D	Total/NA
Trichloroethene	370		25	7.9	ug/L	25		8260D	Total/NA
Tetrachloroethene	9600		25	6.2	ug/L	25		8260D	Total/NA
Toluene	19	J	25	9.5	ug/L	25		8260D	Total/NA
m-Xylene & p-Xylene	17	J	25	7.4	ug/L	25		8260D	Total/NA
1,2-Dichlorobenzene	160		25	5.3	ug/L	25		8260D	Total/NA
1,2,4-Trichlorobenzene	22	J	25	9.1	ug/L	25		8260D	Total/NA
Barium	30.2	J	200	13.2	ug/L	1		6010D	Total/NA

## Client Sample ID: Trip Blank 20210114

Lab Sample ID: 460-226675-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0		5.0	4.4	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-100D**

**Lab Sample ID: 460-226675-1**

**Date Collected: 01/14/21 09:22**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**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			01/27/21 04:58	25
Bromomethane	25	U	25	14	ug/L			01/27/21 04:58	25
Vinyl chloride	25	U	25	4.3	ug/L			01/27/21 04:58	25
Chloroethane	25	U	25	8.0	ug/L			01/27/21 04:58	25
Methylene Chloride	25	U	25	7.9	ug/L			01/27/21 04:58	25
Acetone	130	U	130	110	ug/L			01/27/21 04:58	25
Carbon disulfide	25	U	25	21	ug/L			01/27/21 04:58	25
Trichlorofluoromethane	25	U	25	8.0	ug/L			01/27/21 04:58	25
<b>1,1-Dichloroethene</b>	<b>44</b>		25	6.6	ug/L			01/27/21 04:58	25
<b>1,1-Dichloroethane</b>	<b>11 J</b>		25	6.6	ug/L			01/27/21 04:58	25
trans-1,2-Dichloroethene	25	U	25	5.9	ug/L			01/27/21 04:58	25
cis-1,2-Dichloroethene	25	U	25	5.5	ug/L			01/27/21 04:58	25
Chloroform	25	U	25	8.2	ug/L			01/27/21 04:58	25
1,2-Dichloroethane	25	U	25	11	ug/L			01/27/21 04:58	25
2-Butanone (MEK)	130	U	130	46	ug/L			01/27/21 04:58	25
<b>1,1,1-Trichloroethane</b>	<b>2900</b>		25	6.0	ug/L			01/27/21 04:58	25
Carbon tetrachloride	25	U	25	5.2	ug/L			01/27/21 04:58	25
Dichlorobromomethane	25	U	25	8.6	ug/L			01/27/21 04:58	25
1,2-Dichloropropane	25	U	25	8.8	ug/L			01/27/21 04:58	25
cis-1,3-Dichloropropene	25	U	25	5.6	ug/L			01/27/21 04:58	25
<b>Trichloroethene</b>	<b>2000</b>		25	7.9	ug/L			01/27/21 04:58	25
Chlorodibromomethane	25	U	25	7.0	ug/L			01/27/21 04:58	25
1,1,2-Trichloroethane	25	U	25	5.1	ug/L			01/27/21 04:58	25
Benzene	25	U	25	5.1	ug/L			01/27/21 04:58	25
trans-1,3-Dichloropropene	25	U	25	5.6	ug/L			01/27/21 04:58	25
Bromoform	25	U	25	13	ug/L			01/27/21 04:58	25
4-Methyl-2-pentanone (MIBK)	130	U	130	33	ug/L			01/27/21 04:58	25
2-Hexanone	130	U	130	28	ug/L			01/27/21 04:58	25
<b>Tetrachloroethene</b>	<b>9600</b>		25	6.2	ug/L			01/27/21 04:58	25
1,1,2,2-Tetrachloroethane	25	U	25	9.2	ug/L			01/27/21 04:58	25
<b>Toluene</b>	<b>26</b>		25	9.5	ug/L			01/27/21 04:58	25
Chlorobenzene	25	U	25	9.4	ug/L			01/27/21 04:58	25
Ethylbenzene	25	U	25	7.5	ug/L			01/27/21 04:58	25
Styrene	25	U	25	10	ug/L			01/27/21 04:58	25
<b>m-Xylene &amp; p-Xylene</b>	<b>14 J</b>		25	7.4	ug/L			01/27/21 04:58	25
o-Xylene	25	U	25	9.0	ug/L			01/27/21 04:58	25
<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b>	<b>13 J</b>		25	7.8	ug/L			01/27/21 04:58	25
Methyl tert-butyl ether	25	U	25	5.4	ug/L			01/27/21 04:58	25
Cyclohexane	25	U	25	8.0	ug/L			01/27/21 04:58	25
Ethylene Dibromide	25	U	25	12	ug/L			01/27/21 04:58	25
1,3-Dichlorobenzene	25	U	25	8.6	ug/L			01/27/21 04:58	25
1,4-Dichlorobenzene	25	U	25	8.4	ug/L			01/27/21 04:58	25
<b>1,2-Dichlorobenzene</b>	<b>91</b>		25	5.3	ug/L			01/27/21 04:58	25
Dichlorodifluoromethane	25	U	25	7.8	ug/L			01/27/21 04:58	25
<b>1,2,4-Trichlorobenzene</b>	<b>15 J</b>		25	9.1	ug/L			01/27/21 04:58	25
1,4-Dioxane	1300	U *	1300	710	ug/L			01/27/21 04:58	25
1,2,3-Trichlorobenzene	25	U	25	8.9	ug/L			01/27/21 04:58	25
1,2-Dibromo-3-Chloropropane	25	U	25	9.4	ug/L			01/27/21 04:58	25
Chlorobromomethane	25	U	25	10	ug/L			01/27/21 04:58	25

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-100D**

**Lab Sample ID: 460-226675-1**

**Date Collected: 01/14/21 09:22**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	25	U	25	8.4	ug/L			01/27/21 04:58	25
Methyl acetate	130	U *	130	20	ug/L			01/27/21 04:58	25
Methylcyclohexane	25	U	25	18	ug/L			01/27/21 04:58	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/27/21 04:58	25
Toluene-d8 (Surr)	104		80 - 120		01/27/21 04:58	25
4-Bromofluorobenzene	97		76 - 120		01/27/21 04:58	25
Dibromofluoromethane (Surr)	101		77 - 124		01/27/21 04:58	25

## 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		01/20/21 10:02	01/20/21 21:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	24		10 - 150	01/20/21 10:02	01/20/21 21:36	1

## Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23.8		4.57	2.19	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluoropentanoic acid (PFPeA)	13.3		1.83	0.45	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorohexanoic acid (PFHxA)	5.10		1.83	0.53	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluoroheptanoic acid (PFHpA)	4.36		1.83	0.23	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorooctanoic acid (PFOA)	5.27		1.83	0.78	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorononanoic acid (PFNA)	0.35	J	1.83	0.25	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorodecanoic acid (PFDA)	1.83	U	1.83	0.28	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluoroundecanoic acid (PFUnA)	1.83	U	1.83	1.00	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorododecanoic acid (PFDoA)	1.83	U	1.83	0.50	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorotridecanoic acid (PFTriA)	1.83	U	1.83	1.19	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorotetradecanoic acid (PFTeA)	1.83	U	1.83	0.67	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.83	0.18	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorohexanesulfonic acid (PFHxS)	1.81	J	1.83	0.52	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.83	U	1.83	0.17	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorooctanesulfonic acid (PFOS)	1.31	J Z	1.83	0.49	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorodecanesulfonic acid (PFDS)	1.83	U	1.83	0.29	ng/L		01/21/21 18:20	01/22/21 21:04	1
Perfluorooctanesulfonamide (FOSA)	1.83	U	1.83	0.90	ng/L		01/21/21 18:20	01/22/21 21:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.57	U	4.57	1.10	ng/L		01/21/21 18:20	01/22/21 21:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.57	U	4.57	1.19	ng/L		01/21/21 18:20	01/22/21 21:04	1
6:2 FTS	4.57	U	4.57	2.28	ng/L		01/21/21 18:20	01/22/21 21:04	1
8:2 FTS	1.83	U	1.83	0.42	ng/L		01/21/21 18:20	01/22/21 21:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	131		25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C5 PFPeA	146		25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C2 PFHxA	154	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C4 PFHpA	161	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C4 PFOA	187	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-100D**

**Lab Sample ID: 460-226675-1**

**Date Collected: 01/14/21 09:22**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	172	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C2 PFDA	168	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C2 PFUnA	170	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C2 PFDoA	180	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C2 PFTeDA	176	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C3 PFBS	136		25 - 150	01/21/21 18:20	01/22/21 21:04	1
18O2 PFHxS	140		25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C4 PFOS	141		25 - 150	01/21/21 18:20	01/22/21 21:04	1
13C8 FOSA	140		25 - 150	01/21/21 18:20	01/22/21 21:04	1
d3-NMeFOSAA	120		25 - 150	01/21/21 18:20	01/22/21 21:04	1
d5-NEtFOSAA	111		25 - 150	01/21/21 18:20	01/22/21 21:04	1
M2-6:2 FTS	160	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1
M2-8:2 FTS	157	*	25 - 150	01/21/21 18:20	01/22/21 21:04	1

**Client Sample ID: MW-07SM**

**Lab Sample ID: 460-226675-2**

**Date Collected: 01/14/21 10:08**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	2.0	U	2.0	0.80	ug/L			01/27/21 10:30	2
Bromomethane	2.0	U	2.0	1.1	ug/L			01/27/21 10:30	2
Vinyl chloride	2.0	U	2.0	0.34	ug/L			01/27/21 10:30	2
Chloroethane	2.0	U	2.0	0.64	ug/L			01/27/21 10:30	2
Methylene Chloride	2.0	U	2.0	0.63	ug/L			01/27/21 10:30	2
Acetone	10	U	10	8.8	ug/L			01/27/21 10:30	2
Carbon disulfide	2.0	U	2.0	1.6	ug/L			01/27/21 10:30	2
Trichlorofluoromethane	2.0	U	2.0	0.64	ug/L			01/27/21 10:30	2
<b>1,1-Dichloroethene</b>	<b>0.63</b>	<b>J</b>	2.0	0.53	ug/L			01/27/21 10:30	2
<b>1,1-Dichloroethane</b>	<b>1.3</b>	<b>J</b>	2.0	0.53	ug/L			01/27/21 10:30	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.47	ug/L			01/27/21 10:30	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.44	ug/L			01/27/21 10:30	2
Chloroform	2.0	U	2.0	0.65	ug/L			01/27/21 10:30	2
1,2-Dichloroethane	2.0	U	2.0	0.86	ug/L			01/27/21 10:30	2
2-Butanone (MEK)	10	U	10	3.7	ug/L			01/27/21 10:30	2
<b>1,1,1-Trichloroethane</b>	<b>27</b>		2.0	0.48	ug/L			01/27/21 10:30	2
Carbon tetrachloride	2.0	U	2.0	0.42	ug/L			01/27/21 10:30	2
Dichlorobromomethane	2.0	U	2.0	0.69	ug/L			01/27/21 10:30	2
1,2-Dichloropropane	2.0	U	2.0	0.71	ug/L			01/27/21 10:30	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.44	ug/L			01/27/21 10:30	2
<b>Trichloroethene</b>	<b>31</b>		2.0	0.63	ug/L			01/27/21 10:30	2
Chlorodibromomethane	2.0	U	2.0	0.56	ug/L			01/27/21 10:30	2
1,1,2-Trichloroethane	2.0	U	2.0	0.41	ug/L			01/27/21 10:30	2
Benzene	2.0	U	2.0	0.41	ug/L			01/27/21 10:30	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.45	ug/L			01/27/21 10:30	2
Bromoform	2.0	U	2.0	1.1	ug/L			01/27/21 10:30	2
4-Methyl-2-pentanone (MIBK)	10	U	10	2.6	ug/L			01/27/21 10:30	2
2-Hexanone	10	U	10	2.3	ug/L			01/27/21 10:30	2
<b>Tetrachloroethene</b>	<b>860</b>		2.0	0.50	ug/L			01/27/21 10:30	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.73	ug/L			01/27/21 10:30	2

Eurofins TestAmerica, Edison



# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-07SM**

**Lab Sample ID: 460-226675-2**

Date Collected: 01/14/21 10:08

Matrix: Water

Date Received: 01/15/21 19:00

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	2.0	U	2.0	0.76	ug/L			01/27/21 10:30	2
Chlorobenzene	2.0	U	2.0	0.75	ug/L			01/27/21 10:30	2
Ethylbenzene	2.0	U	2.0	0.60	ug/L			01/27/21 10:30	2
Styrene	2.0	U	2.0	0.83	ug/L			01/27/21 10:30	2
m-Xylene & p-Xylene	2.0	U	2.0	0.59	ug/L			01/27/21 10:30	2
o-Xylene	2.0	U	2.0	0.72	ug/L			01/27/21 10:30	2
<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b>	<b>1.6</b>	<b>J</b>	2.0	0.62	ug/L			01/27/21 10:30	2
Methyl tert-butyl ether	2.0	U	2.0	0.43	ug/L			01/27/21 10:30	2
Cyclohexane	2.0	U	2.0	0.64	ug/L			01/27/21 10:30	2
Ethylene Dibromide	2.0	U	2.0	1.0	ug/L			01/27/21 10:30	2
1,3-Dichlorobenzene	2.0	U	2.0	0.68	ug/L			01/27/21 10:30	2
1,4-Dichlorobenzene	2.0	U	2.0	0.67	ug/L			01/27/21 10:30	2
<b>1,2-Dichlorobenzene</b>	<b>3.6</b>		2.0	0.42	ug/L			01/27/21 10:30	2
Dichlorodifluoromethane	2.0	U	2.0	0.62	ug/L			01/27/21 10:30	2
<b>1,2,4-Trichlorobenzene</b>	<b>2.1</b>		2.0	0.73	ug/L			01/27/21 10:30	2
1,4-Dioxane	100	U *	100	56	ug/L			01/27/21 10:30	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.71	ug/L			01/27/21 10:30	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.75	ug/L			01/27/21 10:30	2
Chlorobromomethane	2.0	U	2.0	0.82	ug/L			01/27/21 10:30	2
Isopropylbenzene	2.0	U	2.0	0.67	ug/L			01/27/21 10:30	2
Methyl acetate	10	U *	10	1.6	ug/L			01/27/21 10:30	2
Methylcyclohexane	2.0	U	2.0	1.4	ug/L			01/27/21 10:30	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 123		01/27/21 10:30	2
Toluene-d8 (Surr)	102		80 - 120		01/27/21 10:30	2
4-Bromofluorobenzene	95		76 - 120		01/27/21 10:30	2
Dibromofluoromethane (Surr)	97		77 - 124		01/27/21 10:30	2

**Client Sample ID: ERM-MW-07D**

**Lab Sample ID: 460-226675-3**

Date Collected: 01/14/21 11:16

Matrix: Water

Date Received: 01/15/21 19:00

**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			01/27/21 03:19	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/27/21 03:19	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/27/21 03:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/27/21 03:19	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/27/21 03:19	1
Acetone	5.0	U	5.0	4.4	ug/L			01/27/21 03:19	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/27/21 03:19	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/27/21 03:19	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/27/21 03:19	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/27/21 03:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/27/21 03:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/27/21 03:19	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/27/21 03:19	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/27/21 03:19	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: ERM-MW-07D**

**Lab Sample ID: 460-226675-3**

Date Collected: 01/14/21 11:16

Matrix: Water

Date Received: 01/15/21 19:00

## 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			01/27/21 03:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/27/21 03:19	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/27/21 03:19	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/27/21 03:19	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/27/21 03:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 03:19	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/27/21 03:19	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/27/21 03:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/27/21 03:19	1
Benzene	1.0	U	1.0	0.20	ug/L			01/27/21 03:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 03:19	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/27/21 03:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/27/21 03:19	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/27/21 03:19	1
<b>Tetrachloroethene</b>	<b>1.7</b>		1.0	0.25	ug/L			01/27/21 03:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/27/21 03:19	1
Toluene	1.0	U	1.0	0.38	ug/L			01/27/21 03:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/27/21 03:19	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/27/21 03:19	1
Styrene	1.0	U	1.0	0.42	ug/L			01/27/21 03:19	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/27/21 03:19	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/27/21 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/27/21 03:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/27/21 03:19	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/27/21 03:19	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/27/21 03:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/27/21 03:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/27/21 03:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/27/21 03:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/27/21 03:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/27/21 03:19	1
1,4-Dioxane	50	U *	50	28	ug/L			01/27/21 03:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/27/21 03:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/27/21 03:19	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/27/21 03:19	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/27/21 03:19	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/27/21 03:19	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/27/21 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/27/21 03:19	1
Toluene-d8 (Surr)	102		80 - 120		01/27/21 03:19	1
4-Bromofluorobenzene	98		76 - 120		01/27/21 03:19	1
Dibromofluoromethane (Surr)	98		77 - 124		01/27/21 03:19	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		01/20/21 10:02	01/20/21 21:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	27		10 - 150	01/20/21 10:02	01/20/21 21:52	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: ERM-MW-07D**

**Lab Sample ID: 460-226675-3**

Date Collected: 01/14/21 11:16

Matrix: Water

Date Received: 01/15/21 19:00

**Method: 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.62	U	4.62	2.22	ng/L		01/21/21 18:20	01/23/21 18:51	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.65</b>	<b>J</b>	1.85	0.45	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorohexanoic acid (PFHxA)	1.85	U	1.85	0.54	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluoroheptanoic acid (PFHpA)	1.85	U	1.85	0.23	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorooctanoic acid (PFOA)	1.85	U	1.85	0.78	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorononanoic acid (PFNA)	1.85	U	1.85	0.25	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorodecanoic acid (PFDA)	1.85	U	1.85	0.29	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluoroundecanoic acid (PFUnA)	1.85	U	1.85	1.02	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorododecanoic acid (PFDoA)	1.85	U	1.85	0.51	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorotridecanoic acid (PFTriA)	1.85	U	1.85	1.20	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorotetradecanoic acid (PFTeA)	1.85	U	1.85	0.67	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorobutanesulfonic acid (PFBS)	1.85	U	1.85	0.18	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorohexanesulfonic acid (PFHxS)	1.85	U	1.85	0.53	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.85	U	1.85	0.18	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorooctanesulfonic acid (PFOS)	1.85	U	1.85	0.50	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorodecanesulfonic acid (PFDS)	1.85	U	1.85	0.30	ng/L		01/21/21 18:20	01/23/21 18:51	1
Perfluorooctanesulfonamide (FOSA)	1.85	U	1.85	0.90	ng/L		01/21/21 18:20	01/23/21 18:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.62	U	4.62	1.11	ng/L		01/21/21 18:20	01/23/21 18:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.62	U	4.62	1.20	ng/L		01/21/21 18:20	01/23/21 18:51	1
6:2 FTS	4.62	U	4.62	2.31	ng/L		01/21/21 18:20	01/23/21 18:51	1
8:2 FTS	1.85	U	1.85	0.42	ng/L		01/21/21 18:20	01/23/21 18:51	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	90		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C5 PFPeA	90		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C2 PFHxA	98		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C4 PFHpA	96		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C4 PFOA	103		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C5 PFNA	101		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C2 PFDA	99		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C2 PFUnA	91		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C2 PFDoA	93		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C2 PFTeDA	103		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C3 PFBS	97		25 - 150				01/21/21 18:20	01/23/21 18:51	1
18O2 PFHxS	95		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C4 PFOS	98		25 - 150				01/21/21 18:20	01/23/21 18:51	1
13C8 FOSA	91		25 - 150				01/21/21 18:20	01/23/21 18:51	1
d3-NMeFOSAA	95		25 - 150				01/21/21 18:20	01/23/21 18:51	1
d5-NEtFOSAA	94		25 - 150				01/21/21 18:20	01/23/21 18:51	1
M2-6:2 FTS	121		25 - 150				01/21/21 18:20	01/23/21 18:51	1
M2-8:2 FTS	113		25 - 150				01/21/21 18:20	01/23/21 18:51	1

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-101D**

**Lab Sample ID: 460-226675-4**

**Date Collected: 01/14/21 12:13**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	200	U	200	80	ug/L			01/27/21 10:54	200
Bromomethane	200	U	200	110	ug/L			01/27/21 10:54	200
Vinyl chloride	200	U	200	34	ug/L			01/27/21 10:54	200
Chloroethane	200	U	200	64	ug/L			01/27/21 10:54	200
Methylene Chloride	200	U	200	63	ug/L			01/27/21 10:54	200
Acetone	1000	U	1000	880	ug/L			01/27/21 10:54	200
Carbon disulfide	200	U	200	160	ug/L			01/27/21 10:54	200
Trichlorofluoromethane	200	U	200	64	ug/L			01/27/21 10:54	200
<b>1,1-Dichloroethene</b>	<b>65</b>	<b>J</b>	200	53	ug/L			01/27/21 10:54	200
<b>1,1-Dichloroethane</b>	<b>55</b>	<b>J</b>	200	53	ug/L			01/27/21 10:54	200
trans-1,2-Dichloroethene	200	U	200	47	ug/L			01/27/21 10:54	200
cis-1,2-Dichloroethene	200	U	200	44	ug/L			01/27/21 10:54	200
Chloroform	200	U	200	65	ug/L			01/27/21 10:54	200
1,2-Dichloroethane	200	U	200	86	ug/L			01/27/21 10:54	200
2-Butanone (MEK)	1000	U	1000	370	ug/L			01/27/21 10:54	200
<b>1,1,1-Trichloroethane</b>	<b>1600</b>		200	48	ug/L			01/27/21 10:54	200
Carbon tetrachloride	200	U	200	42	ug/L			01/27/21 10:54	200
Dichlorobromomethane	200	U	200	69	ug/L			01/27/21 10:54	200
1,2-Dichloropropane	200	U	200	71	ug/L			01/27/21 10:54	200
cis-1,3-Dichloropropene	200	U	200	44	ug/L			01/27/21 10:54	200
<b>Trichloroethene</b>	<b>1500</b>		200	63	ug/L			01/27/21 10:54	200
Chlorodibromomethane	200	U	200	56	ug/L			01/27/21 10:54	200
1,1,2-Trichloroethane	200	U	200	41	ug/L			01/27/21 10:54	200
Benzene	200	U	200	41	ug/L			01/27/21 10:54	200
trans-1,3-Dichloropropene	200	U	200	45	ug/L			01/27/21 10:54	200
Bromoform	200	U	200	110	ug/L			01/27/21 10:54	200
4-Methyl-2-pentanone (MIBK)	1000	U	1000	260	ug/L			01/27/21 10:54	200
2-Hexanone	1000	U	1000	230	ug/L			01/27/21 10:54	200
<b>Tetrachloroethene</b>	<b>82000</b>		200	50	ug/L			01/27/21 10:54	200
1,1,2,2-Tetrachloroethane	200	U	200	73	ug/L			01/27/21 10:54	200
<b>Toluene</b>	<b>130</b>	<b>J</b>	200	76	ug/L			01/27/21 10:54	200
Chlorobenzene	200	U	200	75	ug/L			01/27/21 10:54	200
Ethylbenzene	200	U	200	60	ug/L			01/27/21 10:54	200
Styrene	200	U	200	83	ug/L			01/27/21 10:54	200
<b>m-Xylene &amp; p-Xylene</b>	<b>150</b>	<b>J</b>	200	59	ug/L			01/27/21 10:54	200
o-Xylene	200	U	200	72	ug/L			01/27/21 10:54	200
<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b>	<b>63</b>	<b>J</b>	200	62	ug/L			01/27/21 10:54	200
Methyl tert-butyl ether	200	U	200	43	ug/L			01/27/21 10:54	200
Cyclohexane	200	U	200	64	ug/L			01/27/21 10:54	200
Ethylene Dibromide	200	U	200	100	ug/L			01/27/21 10:54	200
1,3-Dichlorobenzene	200	U	200	68	ug/L			01/27/21 10:54	200
1,4-Dichlorobenzene	200	U	200	67	ug/L			01/27/21 10:54	200
<b>1,2-Dichlorobenzene</b>	<b>1200</b>		200	42	ug/L			01/27/21 10:54	200
Dichlorodifluoromethane	200	U	200	62	ug/L			01/27/21 10:54	200
<b>1,2,4-Trichlorobenzene</b>	<b>170</b>	<b>J</b>	200	73	ug/L			01/27/21 10:54	200
1,4-Dioxane	10000	U *	10000	5600	ug/L			01/27/21 10:54	200
1,2,3-Trichlorobenzene	200	U	200	71	ug/L			01/27/21 10:54	200
1,2-Dibromo-3-Chloropropane	200	U	200	75	ug/L			01/27/21 10:54	200
Chlorobromomethane	200	U	200	82	ug/L			01/27/21 10:54	200

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-101D**

**Lab Sample ID: 460-226675-4**

**Date Collected: 01/14/21 12:13**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	200	U	200	67	ug/L			01/27/21 10:54	200
Methyl acetate	1000	U *	1000	160	ug/L			01/27/21 10:54	200
Methylcyclohexane	200	U	200	140	ug/L			01/27/21 10:54	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 123					01/27/21 10:54	200
Toluene-d8 (Surr)	103		80 - 120					01/27/21 10:54	200
4-Bromofluorobenzene	96		76 - 120					01/27/21 10:54	200
Dibromofluoromethane (Surr)	99		77 - 124					01/27/21 10:54	200

**Client Sample ID: MW-X**

**Lab Sample ID: 460-226675-5**

**Date Collected: 01/14/21 00:00**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**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			01/27/21 10:06	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/27/21 10:06	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/27/21 10:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/27/21 10:06	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/27/21 10:06	1
Acetone	5.0	U	5.0	4.4	ug/L			01/27/21 10:06	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/27/21 10:06	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/27/21 10:06	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/27/21 10:06	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/27/21 10:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/27/21 10:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/27/21 10:06	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/27/21 10:06	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/27/21 10:06	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/27/21 10:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/27/21 10:06	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/27/21 10:06	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/27/21 10:06	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/27/21 10:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 10:06	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/27/21 10:06	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/27/21 10:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/27/21 10:06	1
Benzene	1.0	U	1.0	0.20	ug/L			01/27/21 10:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 10:06	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/27/21 10:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/27/21 10:06	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/27/21 10:06	1
<b>Tetrachloroethene</b>	<b>1.5</b>		1.0	0.25	ug/L			01/27/21 10:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/27/21 10:06	1
Toluene	1.0	U	1.0	0.38	ug/L			01/27/21 10:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/27/21 10:06	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/27/21 10:06	1
Styrene	1.0	U	1.0	0.42	ug/L			01/27/21 10:06	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-X**  
**Date Collected: 01/14/21 00:00**  
**Date Received: 01/15/21 19:00**

**Lab Sample ID: 460-226675-5**  
**Matrix: Water**

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/27/21 10:06	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/27/21 10:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/27/21 10:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/27/21 10:06	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/27/21 10:06	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/27/21 10:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/27/21 10:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/27/21 10:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/27/21 10:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/27/21 10:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/27/21 10:06	1
1,4-Dioxane	50	U *	50	28	ug/L			01/27/21 10:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/27/21 10:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/27/21 10:06	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/27/21 10:06	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/27/21 10:06	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/27/21 10:06	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/27/21 10:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 123		01/27/21 10:06	1
Toluene-d8 (Surr)	103		80 - 120		01/27/21 10:06	1
4-Bromofluorobenzene	97		76 - 120		01/27/21 10:06	1
Dibromofluoromethane (Surr)	99		77 - 124		01/27/21 10:06	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		01/20/21 10:02	01/20/21 22:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		10 - 150	01/20/21 10:02	01/20/21 22:07	1

## Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.49	U	4.49	2.16	ng/L		01/21/21 18:20	01/22/21 21:22	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.61</b>	<b>J</b>	1.80	0.44	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorohexanoic acid (PFHxA)	1.80	U	1.80	0.52	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluoroheptanoic acid (PFHpA)	1.80	U	1.80	0.22	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorooctanoic acid (PFOA)	1.80	U	1.80	0.76	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorononanoic acid (PFNA)	1.80	U	1.80	0.24	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorodecanoic acid (PFDA)	1.80	U	1.80	0.28	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluoroundecanoic acid (PFUnA)	1.80	U	1.80	0.99	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorododecanoic acid (PFDoA)	1.80	U	1.80	0.49	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorotridecanoic acid (PFTriA)	1.80	U	1.80	1.17	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorotetradecanoic acid (PFTeA)	1.80	U	1.80	0.66	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorobutanesulfonic acid (PFBS)	1.80	U	1.80	0.18	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorohexanesulfonic acid (PFHxS)	1.80	U	1.80	0.51	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.80	U	1.80	0.17	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorooctanesulfonic acid (PFOS)	1.80	U	1.80	0.49	ng/L		01/21/21 18:20	01/22/21 21:22	1
Perfluorodecanesulfonic acid (PFDS)	1.80	U	1.80	0.29	ng/L		01/21/21 18:20	01/22/21 21:22	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: MW-X**  
**Date Collected: 01/14/21 00:00**  
**Date Received: 01/15/21 19:00**

**Lab Sample ID: 460-226675-5**  
**Matrix: Water**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	1.80	U	1.80	0.88	ng/L		01/21/21 18:20	01/22/21 21:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.49	U	4.49	1.08	ng/L		01/21/21 18:20	01/22/21 21:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.49	U	4.49	1.17	ng/L		01/21/21 18:20	01/22/21 21:22	1
6:2 FTS	4.49	U	4.49	2.25	ng/L		01/21/21 18:20	01/22/21 21:22	1
8:2 FTS	1.80	U	1.80	0.41	ng/L		01/21/21 18:20	01/22/21 21:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	118		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C5 PFPeA	126		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C2 PFHxA	129		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C4 PFHpA	138		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C4 PFOA	148		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C5 PFNA	161 *		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C2 PFDA	163 *		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C2 PFUnA	150		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C2 PFDoA	145		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C2 PFTeDA	150		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C3 PFBS	111		25 - 150				01/21/21 18:20	01/22/21 21:22	1
18O2 PFHxS	115		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C4 PFOS	121		25 - 150				01/21/21 18:20	01/22/21 21:22	1
13C8 FOSA	127		25 - 150				01/21/21 18:20	01/22/21 21:22	1
d3-NMeFOSAA	104		25 - 150				01/21/21 18:20	01/22/21 21:22	1
d5-NEtFOSAA	97		25 - 150				01/21/21 18:20	01/22/21 21:22	1
M2-6:2 FTS	146		25 - 150				01/21/21 18:20	01/22/21 21:22	1
M2-8:2 FTS	138		25 - 150				01/21/21 18:20	01/22/21 21:22	1

**Client Sample ID: Rinsate**  
**Date Collected: 01/14/21 13:15**  
**Date Received: 01/15/21 19:00**

**Lab Sample ID: 460-226675-6**  
**Matrix: Water**

**Method: 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloromethane</b>	<b>0.95</b>	<b>J</b>	1.0	0.40	ug/L			01/27/21 03:44	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/27/21 03:44	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/27/21 03:44	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/27/21 03:44	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/27/21 03:44	1
Acetone	5.0	U	5.0	4.4	ug/L			01/27/21 03:44	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/27/21 03:44	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/27/21 03:44	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/27/21 03:44	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/27/21 03:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/27/21 03:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/27/21 03:44	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/27/21 03:44	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/27/21 03:44	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/27/21 03:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/27/21 03:44	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/27/21 03:44	1

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: Rinsate**

**Lab Sample ID: 460-226675-6**

Date Collected: 01/14/21 13:15

Matrix: Water

Date Received: 01/15/21 19:00

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/27/21 03:44	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/27/21 03:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 03:44	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/27/21 03:44	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/27/21 03:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/27/21 03:44	1
Benzene	1.0	U	1.0	0.20	ug/L			01/27/21 03:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 03:44	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/27/21 03:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/27/21 03:44	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/27/21 03:44	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/27/21 03:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/27/21 03:44	1
Toluene	1.0	U	1.0	0.38	ug/L			01/27/21 03:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/27/21 03:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/27/21 03:44	1
Styrene	1.0	U	1.0	0.42	ug/L			01/27/21 03:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/27/21 03:44	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/27/21 03:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/27/21 03:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/27/21 03:44	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/27/21 03:44	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/27/21 03:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/27/21 03:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/27/21 03:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/27/21 03:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/27/21 03:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/27/21 03:44	1
1,4-Dioxane	50	U *	50	28	ug/L			01/27/21 03:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/27/21 03:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/27/21 03:44	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/27/21 03:44	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/27/21 03:44	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/27/21 03:44	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/27/21 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 123		01/27/21 03:44	1
Toluene-d8 (Surr)	105		80 - 120		01/27/21 03:44	1
4-Bromofluorobenzene	96		76 - 120		01/27/21 03:44	1
Dibromofluoromethane (Surr)	99		77 - 124		01/27/21 03:44	1

**Client Sample ID: Drum Waste Characterization**

**Lab Sample ID: 460-226675-7**

Date Collected: 01/14/21 13:00

Matrix: Water

Date Received: 01/15/21 19:00

**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			01/27/21 05:22	25
Bromomethane	25	U	25	14	ug/L			01/27/21 05:22	25

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# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: Drum Waste Characterization**

**Lab Sample ID: 460-226675-7**

Date Collected: 01/14/21 13:00

Matrix: Water

Date Received: 01/15/21 19:00

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	25	U	25	4.3	ug/L			01/27/21 05:22	25
Chloroethane	25	U	25	8.0	ug/L			01/27/21 05:22	25
Methylene Chloride	25	U	25	7.9	ug/L			01/27/21 05:22	25
Acetone	130	U	130	110	ug/L			01/27/21 05:22	25
Carbon disulfide	25	U	25	21	ug/L			01/27/21 05:22	25
Trichlorofluoromethane	25	U	25	8.0	ug/L			01/27/21 05:22	25
<b>1,1-Dichloroethene</b>	<b>11</b>	<b>J</b>	25	6.6	ug/L			01/27/21 05:22	25
<b>1,1-Dichloroethane</b>	<b>7.7</b>	<b>J</b>	25	6.6	ug/L			01/27/21 05:22	25
trans-1,2-Dichloroethene	25	U	25	5.9	ug/L			01/27/21 05:22	25
<b>cis-1,2-Dichloroethene</b>	<b>10</b>	<b>J</b>	25	5.5	ug/L			01/27/21 05:22	25
Chloroform	25	U	25	8.2	ug/L			01/27/21 05:22	25
1,2-Dichloroethane	25	U	25	11	ug/L			01/27/21 05:22	25
2-Butanone (MEK)	130	U	130	46	ug/L			01/27/21 05:22	25
<b>1,1,1-Trichloroethane</b>	<b>450</b>		25	6.0	ug/L			01/27/21 05:22	25
Carbon tetrachloride	25	U	25	5.2	ug/L			01/27/21 05:22	25
Dichlorobromomethane	25	U	25	8.6	ug/L			01/27/21 05:22	25
1,2-Dichloropropane	25	U	25	8.8	ug/L			01/27/21 05:22	25
cis-1,3-Dichloropropene	25	U	25	5.6	ug/L			01/27/21 05:22	25
<b>Trichloroethene</b>	<b>370</b>		25	7.9	ug/L			01/27/21 05:22	25
Chlorodibromomethane	25	U	25	7.0	ug/L			01/27/21 05:22	25
1,1,2-Trichloroethane	25	U	25	5.1	ug/L			01/27/21 05:22	25
Benzene	25	U	25	5.1	ug/L			01/27/21 05:22	25
trans-1,3-Dichloropropene	25	U	25	5.6	ug/L			01/27/21 05:22	25
Bromoform	25	U	25	13	ug/L			01/27/21 05:22	25
4-Methyl-2-pentanone (MIBK)	130	U	130	33	ug/L			01/27/21 05:22	25
2-Hexanone	130	U	130	28	ug/L			01/27/21 05:22	25
<b>Tetrachloroethene</b>	<b>9600</b>		25	6.2	ug/L			01/27/21 05:22	25
1,1,2,2-Tetrachloroethane	25	U	25	9.2	ug/L			01/27/21 05:22	25
<b>Toluene</b>	<b>19</b>	<b>J</b>	25	9.5	ug/L			01/27/21 05:22	25
Chlorobenzene	25	U	25	9.4	ug/L			01/27/21 05:22	25
Ethylbenzene	25	U	25	7.5	ug/L			01/27/21 05:22	25
Styrene	25	U	25	10	ug/L			01/27/21 05:22	25
<b>m-Xylene &amp; p-Xylene</b>	<b>17</b>	<b>J</b>	25	7.4	ug/L			01/27/21 05:22	25
o-Xylene	25	U	25	9.0	ug/L			01/27/21 05:22	25
1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	25	7.8	ug/L			01/27/21 05:22	25
Methyl tert-butyl ether	25	U	25	5.4	ug/L			01/27/21 05:22	25
Cyclohexane	25	U	25	8.0	ug/L			01/27/21 05:22	25
Ethylene Dibromide	25	U	25	12	ug/L			01/27/21 05:22	25
1,3-Dichlorobenzene	25	U	25	8.6	ug/L			01/27/21 05:22	25
1,4-Dichlorobenzene	25	U	25	8.4	ug/L			01/27/21 05:22	25
<b>1,2-Dichlorobenzene</b>	<b>160</b>		25	5.3	ug/L			01/27/21 05:22	25
Dichlorodifluoromethane	25	U	25	7.8	ug/L			01/27/21 05:22	25
<b>1,2,4-Trichlorobenzene</b>	<b>22</b>	<b>J</b>	25	9.1	ug/L			01/27/21 05:22	25
1,4-Dioxane	1300	U *	1300	710	ug/L			01/27/21 05:22	25
1,2,3-Trichlorobenzene	25	U	25	8.9	ug/L			01/27/21 05:22	25
1,2-Dibromo-3-Chloropropane	25	U	25	9.4	ug/L			01/27/21 05:22	25
Chlorobromomethane	25	U	25	10	ug/L			01/27/21 05:22	25
Isopropylbenzene	25	U	25	8.4	ug/L			01/27/21 05:22	25
Methyl acetate	130	U *	130	20	ug/L			01/27/21 05:22	25

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Client Sample ID: Drum Waste Characterization

Lab Sample ID: 460-226675-7

Date Collected: 01/14/21 13:00

Matrix: Water

Date Received: 01/15/21 19:00

### Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	25	U	25	18	ug/L			01/27/21 05:22	25
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	99		75 - 123					01/27/21 05:22	25
Toluene-d8 (Surr)	103		80 - 120					01/27/21 05:22	25
4-Bromofluorobenzene	95		76 - 120					01/27/21 05:22	25
Dibromofluoromethane (Surr)	98		77 - 124					01/27/21 05:22	25

### Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.010	U	0.010	0.0012	mg/L		01/19/21 08:13	01/20/21 06:25	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.010	0.0012	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,2'-oxybis[1-chloropropane]	0.010	U	0.010	0.00063	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,3,4,6-Tetrachlorophenol	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,4-Dichlorophenol	0.010	U	0.010	0.0011	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,4-Dimethylphenol	0.010	U	0.010	0.00062	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,4-Dinitrophenol	0.030	U	0.030	0.0026	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		01/19/21 08:13	01/20/21 06:25	1
2,6-Dinitrotoluene	0.0020	U	0.0020	0.00083	mg/L		01/19/21 08:13	01/20/21 06:25	1
2-Chloronaphthalene	0.010	U	0.010	0.0012	mg/L		01/19/21 08:13	01/20/21 06:25	1
2-Chlorophenol	0.010	U	0.010	0.00038	mg/L		01/19/21 08:13	01/20/21 06:25	1
2-Methylnaphthalene	0.010	U	0.010	0.00053	mg/L		01/19/21 08:13	01/20/21 06:25	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		01/19/21 08:13	01/20/21 06:25	1
2-Nitroaniline	0.020	U	0.020	0.00047	mg/L		01/19/21 08:13	01/20/21 06:25	1
2-Nitrophenol	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/20/21 06:25	1
3,3'-Dichlorobenzidine	0.020	U	0.020	0.0014	mg/L		01/19/21 08:13	01/20/21 06:25	1
3-Nitroaniline	0.020	U	0.020	0.0019	mg/L		01/19/21 08:13	01/20/21 06:25	1
4,6-Dinitro-2-methylphenol	0.030	U	0.030	0.0030	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Bromophenyl phenyl ether	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Chloro-3-methylphenol	0.010	U	0.010	0.00058	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Chloroaniline	0.0010	U	0.0010	0.0019	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Chlorophenyl phenyl ether	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Methylphenol	0.010	U	0.010	0.00065	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Nitroaniline	0.020	U	0.020	0.0012	mg/L		01/19/21 08:13	01/20/21 06:25	1
4-Nitrophenol	0.030	U	0.030	0.0040	mg/L		01/19/21 08:13	01/20/21 06:25	1
Acenaphthene	0.010	U	0.010	0.0011	mg/L		01/19/21 08:13	01/20/21 06:25	1
Acenaphthylene	0.010	U	0.010	0.00082	mg/L		01/19/21 08:13	01/20/21 06:25	1
Acetophenone	0.010	U	0.010	0.0023	mg/L		01/19/21 08:13	01/20/21 06:25	1
Anthracene	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/20/21 06:25	1
Atrazine	0.010	U *	0.010	0.0013	mg/L		01/19/21 08:13	01/20/21 06:25	1
Benzaldehyde	0.010	U	0.010	0.0021	mg/L		01/19/21 08:13	01/20/21 06:25	1
Benzo[a]anthracene	0.0010	U	0.0010	0.00059	mg/L		01/19/21 08:13	01/20/21 06:25	1
Benzo[a]pyrene	0.0010	U *	0.0010	0.00041	mg/L		01/19/21 08:13	01/20/21 06:25	1
Benzo[b]fluoranthene	0.0020	U	0.0020	0.00068	mg/L		01/19/21 08:13	01/20/21 06:25	1
Benzo[g,h,i]perylene	0.010	U	0.010	0.00070	mg/L		01/19/21 08:13	01/20/21 06:25	1
Benzo[k]fluoranthene	0.0010	U	0.0010	0.00067	mg/L		01/19/21 08:13	01/20/21 06:25	1
Bis(2-chloroethoxy)methane	0.010	U	0.010	0.00059	mg/L		01/19/21 08:13	01/20/21 06:25	1
Bis(2-chloroethyl)ether	0.0010	U	0.0010	0.00063	mg/L		01/19/21 08:13	01/20/21 06:25	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Client Sample ID: Drum Waste Characterization

Lab Sample ID: 460-226675-7

Date Collected: 01/14/21 13:00

Matrix: Water

Date Received: 01/15/21 19:00

### Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.010	U	0.010	0.00080	mg/L		01/19/21 08:13	01/20/21 06:25	1
Butyl benzyl phthalate	0.010	U	0.010	0.00085	mg/L		01/19/21 08:13	01/20/21 06:25	1
Caprolactam	0.010	U	0.010	0.0022	mg/L		01/19/21 08:13	01/20/21 06:25	1
Carbazole	0.010	U	0.010	0.00068	mg/L		01/19/21 08:13	01/20/21 06:25	1
Chrysene	0.010	U	0.010	0.00091	mg/L		01/19/21 08:13	01/20/21 06:25	1
Dibenz(a,h)anthracene	0.0010	U	0.0010	0.00072	mg/L		01/19/21 08:13	01/20/21 06:25	1
Dibenzofuran	0.010	U	0.010	0.0011	mg/L		01/19/21 08:13	01/20/21 06:25	1
Diethyl phthalate	0.010	U	0.010	0.00098	mg/L		01/19/21 08:13	01/20/21 06:25	1
Dimethyl phthalate	0.010	U	0.010	0.00077	mg/L		01/19/21 08:13	01/20/21 06:25	1
Di-n-butyl phthalate	0.010	U	0.010	0.00084	mg/L		01/19/21 08:13	01/20/21 06:25	1
Di-n-octyl phthalate	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/20/21 06:25	1
Fluoranthene	0.010	U	0.010	0.00084	mg/L		01/19/21 08:13	01/20/21 06:25	1
Fluorene	0.010	U	0.010	0.00091	mg/L		01/19/21 08:13	01/20/21 06:25	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		01/19/21 08:13	01/20/21 06:25	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		01/19/21 08:13	01/20/21 06:25	1
Hexachlorocyclopentadiene	0.010	U	0.010	0.0036	mg/L		01/19/21 08:13	01/20/21 06:25	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		01/19/21 08:13	01/20/21 06:25	1
Indeno[1,2,3-cd]pyrene	0.0020	U	0.0020	0.00094	mg/L		01/19/21 08:13	01/20/21 06:25	1
Isophorone	0.010	U	0.010	0.00080	mg/L		01/19/21 08:13	01/20/21 06:25	1
Naphthalene	0.0020	U	0.0020	0.00054	mg/L		01/19/21 08:13	01/20/21 06:25	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		01/19/21 08:13	01/20/21 06:25	1
N-Nitrosodi-n-propylamine	0.0010	U	0.0010	0.00043	mg/L		01/19/21 08:13	01/20/21 06:25	1
N-Nitrosodiphenylamine	0.010	U	0.010	0.00089	mg/L		01/19/21 08:13	01/20/21 06:25	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		01/19/21 08:13	01/20/21 06:25	1
Phenanthrene	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/20/21 06:25	1
Phenol	0.010	U	0.010	0.00029	mg/L		01/19/21 08:13	01/20/21 06:25	1
Pyrene	0.010	U	0.010	0.0016	mg/L		01/19/21 08:13	01/20/21 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	118		36 - 159	01/19/21 08:13	01/20/21 06:25	1
2-Fluorobiphenyl	97		42 - 127	01/19/21 08:13	01/20/21 06:25	1
2-Fluorophenol (Surr)	55		18 - 72	01/19/21 08:13	01/20/21 06:25	1
Nitrobenzene-d5 (Surr)	94		46 - 137	01/19/21 08:13	01/20/21 06:25	1
Phenol-d5 (Surr)	33		10 - 50	01/19/21 08:13	01/20/21 06:25	1
Terphenyl-d14 (Surr)	102		39 - 150	01/19/21 08:13	01/20/21 06:25	1

### Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		01/20/21 11:17	01/21/21 18:49	1
Arsenic	15.0	U	15.0	3.3	ug/L		01/20/21 11:17	01/21/21 18:49	1
Barium	30.2	J	200	13.2	ug/L		01/20/21 11:17	01/21/21 18:49	1
Cadmium	4.0	U	4.0	0.33	ug/L		01/20/21 11:17	01/21/21 18:49	1
Chromium	10.0	U	10.0	5.0	ug/L		01/20/21 11:17	01/21/21 18:49	1
Lead	10.0	U	10.0	2.4	ug/L		01/20/21 11:17	01/21/21 18:49	1
Selenium	20.0	U	20.0	5.9	ug/L		01/20/21 11:17	01/21/21 18:49	1

### Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/27/21 11:13	01/27/21 14:56	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: Trip Blank 20210114**

**Lab Sample ID: 460-226675-8**

**Date Collected: 01/14/21 00:00**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**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			01/26/21 23:15	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/26/21 23:15	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/26/21 23:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/26/21 23:15	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/26/21 23:15	1
<b>Acetone</b>	<b>5.0</b>		5.0	4.4	ug/L			01/26/21 23:15	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/26/21 23:15	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/26/21 23:15	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/26/21 23:15	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/26/21 23:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/26/21 23:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/26/21 23:15	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/26/21 23:15	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/26/21 23:15	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/26/21 23:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/26/21 23:15	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/26/21 23:15	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/26/21 23:15	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/26/21 23:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/26/21 23:15	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/26/21 23:15	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/26/21 23:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/26/21 23:15	1
Benzene	1.0	U	1.0	0.20	ug/L			01/26/21 23:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/26/21 23:15	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/26/21 23:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/26/21 23:15	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/26/21 23:15	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/26/21 23:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/26/21 23:15	1
Toluene	1.0	U	1.0	0.38	ug/L			01/26/21 23:15	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/26/21 23:15	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/26/21 23:15	1
Styrene	1.0	U	1.0	0.42	ug/L			01/26/21 23:15	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/26/21 23:15	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/26/21 23:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/26/21 23:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/26/21 23:15	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/26/21 23:15	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/26/21 23:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/26/21 23:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/26/21 23:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/26/21 23:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/26/21 23:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/26/21 23:15	1
1,4-Dioxane	50	U *	50	28	ug/L			01/26/21 23:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/26/21 23:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/26/21 23:15	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/26/21 23:15	1

Eurofins TestAmerica, Edison

# Client Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

**Client Sample ID: Trip Blank 20210114**

**Lab Sample ID: 460-226675-8**

**Date Collected: 01/14/21 00:00**

**Matrix: Water**

**Date Received: 01/15/21 19:00**

**Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/26/21 23:15	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/26/21 23:15	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/26/21 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 123		01/26/21 23:15	1
Toluene-d8 (Surr)	102		80 - 120		01/26/21 23:15	1
4-Bromofluorobenzene	97		76 - 120		01/26/21 23:15	1
Dibromofluoromethane (Surr)	99		77 - 124		01/26/21 23:15	1

# Surrogate Summary

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-123)	TOL (80-120)	BFB (76-120)	DBFM (77-124)
460-226675-1	MW-100D	100	104	97	101
460-226675-2	MW-07SM	97	102	95	97
460-226675-3	ERM-MW-07D	100	102	98	98
460-226675-4	MW-101D	98	103	96	99
460-226675-5	MW-X	99	103	97	99
460-226675-6	Rinsate	99	105	96	99
460-226675-7	Drum Waste Characterization	99	103	95	98
460-226675-8	Trip Blank 20210114	99	102	97	99
LCS 460-755281/4	Lab Control Sample	101	103	96	101
LCS 460-755377/4	Lab Control Sample	98	103	95	100
LCSD 460-755281/6	Lab Control Sample Dup	99	102	97	98
LCSD 460-755377/5	Lab Control Sample Dup	97	103	97	96
MB 460-755281/9	Method Blank	100	103	97	99
MB 460-755377/8	Method Blank	97	103	98	97

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
 TOL = Toluene-d8 (Surr)  
 BFB = 4-Bromofluorobenzene  
 DBFM = Dibromofluoromethane (Surr)

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (36-159)	FBP (42-127)	2FP (18-72)	NBZ (46-137)	PHL (10-50)	TPHL (39-150)
460-226675-7	Drum Waste Characterization	118	97	55	94	33	102
LCS 460-753689/2-A	Lab Control Sample	96	86	43	77	29	91
MB 460-753689/1-A	Method Blank	94	94	89 *	91	34	111

#### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)  
 FBP = 2-Fluorobiphenyl  
 2FP = 2-Fluorophenol (Surr)  
 NBZ = Nitrobenzene-d5 (Surr)  
 PHL = Phenol-d5 (Surr)  
 TPHL = Terphenyl-d14 (Surr)

# Isotope Dilution Summary

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## 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)
460-226675-1	MW-100D	24
460-226675-3	ERM-MW-07D	27
460-226675-5	MW-X	26
MB 460-753989/1-A	Method Blank	34

**Surrogate Legend**

DXE = 1,4-Dioxane-d8

## 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 (10-200)
LCS 460-753989/2-A	Lab Control Sample	34
LCSD 460-753989/3-A	Lab Control Sample Dup	34

**Surrogate Legend**

DXE = 1,4-Dioxane-d8

## Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
460-226675-1	MW-100D	131	146	154 *	161 *	187 *	172 *	168 *	170 *
460-226675-3	ERM-MW-07D	90	90	98	96	103	101	99	91
460-226675-5	MW-X	118	126	129	138	148	161 *	163 *	150
LCS 320-454252/2-A	Lab Control Sample	87	91	95	102	112	113	110	106
LCSD 320-454252/3-A	Lab Control Sample Dup	91	95	98	101	107	106	101	99
MB 320-454252/1-A	Method Blank	92	93	95	105	117	116	118	112

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
460-226675-1	MW-100D	180 *	176 *	136	140	141	140	120	111
460-226675-3	ERM-MW-07D	93	103	97	95	98	91	95	94
460-226675-5	MW-X	145	150	111	115	121	127	104	97
LCS 320-454252/2-A	Lab Control Sample	104	129	85	87	91	92	91	81
LCSD 320-454252/3-A	Lab Control Sample Dup	96	107	103	103	104	95	102	94
MB 320-454252/1-A	Method Blank	127	113	89	89	96	98	92	85

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
460-226675-1	MW-100D	160 *	157 *
460-226675-3	ERM-MW-07D	121	113
460-226675-5	MW-X	146	138
LCS 320-454252/2-A	Lab Control Sample	100	102
LCSD 320-454252/3-A	Lab Control Sample Dup	130	112
MB 320-454252/1-A	Method Blank	108	110

# Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 460-226675-1

Project/Site: DEC-WESTBABYLON78; Site: 152025

## Surrogate Legend

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PFBA = 13C4 PFBA  
PFPeA = 13C5 PFPeA  
PFHxA = 13C2 PFHxA  
C4PFHA = 13C4 PFHpA  
PFOA = 13C4 PFOA  
PFNA = 13C5 PFNA  
PFDA = 13C2 PFDA  
PFUnA = 13C2 PFUnA  
PFDoA = 13C2 PFDoA  
PFTDA = 13C2 PFTeDA  
C3PFBS = 13C3 PFBS  
PFHxS = 18O2 PFHxS  
PFOS = 13C4 PFOS  
PFOSA = 13C8 FOSA  
d3NMFOS = d3-NMeFOSAA  
d5NEFOS = d5-NEtFOSAA  
M262FTS = M2-6:2 FTS  
M282FTS = M2-8:2 FTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 460-755281/9**  
**Matrix: Water**  
**Analysis Batch: 755281**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	1.0	U	1.0	0.40	ug/L			01/26/21 22:01	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/26/21 22:01	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/26/21 22:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/26/21 22:01	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/26/21 22:01	1
Acetone	5.0	U	5.0	4.4	ug/L			01/26/21 22:01	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/26/21 22:01	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/26/21 22:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/26/21 22:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/26/21 22:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/26/21 22:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/26/21 22:01	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/26/21 22:01	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/26/21 22:01	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/26/21 22:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/26/21 22:01	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/26/21 22:01	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/26/21 22:01	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/26/21 22:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/26/21 22:01	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/26/21 22:01	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/26/21 22:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/26/21 22:01	1
Benzene	1.0	U	1.0	0.20	ug/L			01/26/21 22:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/26/21 22:01	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/26/21 22:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/26/21 22:01	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/26/21 22:01	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/26/21 22:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/26/21 22:01	1
Toluene	1.0	U	1.0	0.38	ug/L			01/26/21 22:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/26/21 22:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/26/21 22:01	1
Styrene	1.0	U	1.0	0.42	ug/L			01/26/21 22:01	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/26/21 22:01	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/26/21 22:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/26/21 22:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/26/21 22:01	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/26/21 22:01	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/26/21 22:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/26/21 22:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/26/21 22:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/26/21 22:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/26/21 22:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/26/21 22:01	1
1,4-Dioxane	50	U	50	28	ug/L			01/26/21 22:01	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/26/21 22:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/26/21 22:01	1

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 460-755281/9**  
**Matrix: Water**  
**Analysis Batch: 755281**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/26/21 22:01	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/26/21 22:01	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			01/26/21 22:01	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/26/21 22:01	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		75 - 123		01/26/21 22:01	1
Toluene-d8 (Surr)	103		80 - 120		01/26/21 22:01	1
4-Bromofluorobenzene	97		76 - 120		01/26/21 22:01	1
Dibromofluoromethane (Surr)	99		77 - 124		01/26/21 22:01	1

**Lab Sample ID: LCS 460-755281/4**  
**Matrix: Water**  
**Analysis Batch: 755281**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Chloromethane	20.0	23.8		ug/L		119	38 - 150
Bromomethane	20.0	19.0		ug/L		95	10 - 150
Vinyl chloride	20.0	23.1		ug/L		116	61 - 144
Chloroethane	20.0	20.3		ug/L		102	29 - 150
Methylene Chloride	20.0	23.2		ug/L		116	74 - 127
Acetone	100	103		ug/L		103	61 - 134
Carbon disulfide	20.0	24.4		ug/L		122	64 - 138
Trichlorofluoromethane	20.0	20.2		ug/L		101	61 - 140
1,1-Dichloroethene	20.0	21.7		ug/L		108	68 - 133
1,1-Dichloroethane	20.0	24.8		ug/L		124	73 - 130
trans-1,2-Dichloroethene	20.0	22.2		ug/L		111	74 - 126
cis-1,2-Dichloroethene	20.0	22.6		ug/L		113	78 - 121
Chloroform	20.0	22.1		ug/L		110	78 - 125
1,2-Dichloroethane	20.0	21.5		ug/L		107	75 - 121
2-Butanone (MEK)	100	92.6		ug/L		93	69 - 128
1,1,1-Trichloroethane	20.0	21.3		ug/L		107	68 - 128
Carbon tetrachloride	20.0	21.6		ug/L		108	56 - 131
Dichlorobromomethane	20.0	21.2		ug/L		106	72 - 121
1,2-Dichloropropane	20.0	24.5		ug/L		122	76 - 126
cis-1,3-Dichloropropene	20.0	22.8		ug/L		114	74 - 125
Trichloroethene	20.0	22.1		ug/L		110	71 - 121
Chlorodibromomethane	20.0	20.7		ug/L		104	58 - 130
1,1,2-Trichloroethane	20.0	23.0		ug/L		115	74 - 125
Benzene	20.0	24.5		ug/L		122	78 - 126
trans-1,3-Dichloropropene	20.0	22.5		ug/L		113	66 - 127
Bromoform	20.0	19.9		ug/L		99	38 - 144
4-Methyl-2-pentanone (MIBK)	100	94.9		ug/L		95	78 - 125
2-Hexanone	100	90.8		ug/L		91	74 - 127
Tetrachloroethene	20.0	19.9		ug/L		100	70 - 127
1,1,1,2-Tetrachloroethane	20.0	23.1		ug/L		116	63 - 139
Toluene	20.0	22.0		ug/L		110	78 - 119
Chlorobenzene	20.0	21.0		ug/L		105	80 - 119

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 460-755281/4**  
**Matrix: Water**  
**Analysis Batch: 755281**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	20.0	21.8		ug/L		109	78 - 120
Styrene	20.0	22.5		ug/L		113	75 - 127
m-Xylene & p-Xylene	20.0	21.9		ug/L		110	78 - 123
o-Xylene	20.0	21.7		ug/L		108	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.6		ug/L		113	59 - 142
Methyl tert-butyl ether	20.0	22.6		ug/L		113	65 - 131
Cyclohexane	20.0	22.2		ug/L		111	67 - 133
Ethylene Dibromide	20.0	20.1		ug/L		101	69 - 126
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 121
1,4-Dichlorobenzene	20.0	19.9		ug/L		99	80 - 118
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	79 - 122
Dichlorodifluoromethane	20.0	22.1		ug/L		110	31 - 150
1,2,4-Trichlorobenzene	20.0	19.8		ug/L		99	64 - 132
1,4-Dioxane	400	619	*	ug/L		155	70 - 142
1,2,3-Trichlorobenzene	20.0	20.4		ug/L		102	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	19.5		ug/L		98	41 - 143
Chlorobromomethane	20.0	21.5		ug/L		107	73 - 126
Isopropylbenzene	20.0	21.3		ug/L		106	79 - 125
Methyl acetate	40.0	58.4	*	ug/L		146	70 - 127
Methylcyclohexane	20.0	22.4		ug/L		112	60 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		75 - 123
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene	96		76 - 120
Dibromofluoromethane (Surr)	101		77 - 124

**Lab Sample ID: LCSD 460-755281/6**  
**Matrix: Water**  
**Analysis Batch: 755281**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	23.8		ug/L		119	38 - 150	0	30
Bromomethane	20.0	19.1		ug/L		96	10 - 150	1	30
Vinyl chloride	20.0	22.6		ug/L		113	61 - 144	2	30
Chloroethane	20.0	19.6		ug/L		98	29 - 150	3	30
Methylene Chloride	20.0	23.2		ug/L		116	74 - 127	0	30
Acetone	100	93.3		ug/L		93	61 - 134	10	30
Carbon disulfide	20.0	24.4		ug/L		122	64 - 138	0	30
Trichlorofluoromethane	20.0	19.2		ug/L		96	61 - 140	5	30
1,1-Dichloroethene	20.0	21.3		ug/L		107	68 - 133	2	30
1,1-Dichloroethane	20.0	24.2		ug/L		121	73 - 130	2	30
trans-1,2-Dichloroethene	20.0	22.2		ug/L		111	74 - 126	0	30
cis-1,2-Dichloroethene	20.0	22.2		ug/L		111	78 - 121	2	30
Chloroform	20.0	22.0		ug/L		110	78 - 125	0	30
1,2-Dichloroethane	20.0	21.6		ug/L		108	75 - 121	1	30
2-Butanone (MEK)	100	91.9		ug/L		92	69 - 128	1	30
1,1,1-Trichloroethane	20.0	21.1		ug/L		106	68 - 128	1	30

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 460-755281/6**  
**Matrix: Water**  
**Analysis Batch: 755281**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	20.0	21.8		ug/L		109	56 - 131	1	30
Dichlorobromomethane	20.0	21.4		ug/L		107	72 - 121	1	30
1,2-Dichloropropane	20.0	24.3		ug/L		121	76 - 126	1	30
cis-1,3-Dichloropropene	20.0	23.0		ug/L		115	74 - 125	1	30
Trichloroethene	20.0	21.9		ug/L		110	71 - 121	1	30
Chlorodibromomethane	20.0	20.9		ug/L		105	58 - 130	1	30
1,1,2-Trichloroethane	20.0	23.1		ug/L		116	74 - 125	1	30
Benzene	20.0	23.9		ug/L		120	78 - 126	2	30
trans-1,3-Dichloropropene	20.0	22.4		ug/L		112	66 - 127	1	30
Bromoform	20.0	19.9		ug/L		100	38 - 144	0	30
4-Methyl-2-pentanone (MIBK)	100	94.0		ug/L		94	78 - 125	1	30
2-Hexanone	100	90.8		ug/L		91	74 - 127	0	30
Tetrachloroethene	20.0	19.7		ug/L		99	70 - 127	1	30
1,1,2,2-Tetrachloroethane	20.0	23.3		ug/L		116	63 - 139	1	30
Toluene	20.0	21.7		ug/L		108	78 - 119	2	30
Chlorobenzene	20.0	21.0		ug/L		105	80 - 119	0	30
Ethylbenzene	20.0	21.8		ug/L		109	78 - 120	0	30
Styrene	20.0	21.5		ug/L		108	75 - 127	4	30
m-Xylene & p-Xylene	20.0	21.9		ug/L		110	78 - 123	0	30
o-Xylene	20.0	21.6		ug/L		108	78 - 122	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.5		ug/L		108	59 - 142	5	30
Methyl tert-butyl ether	20.0	22.2		ug/L		111	65 - 131	2	30
Cyclohexane	20.0	21.8		ug/L		109	67 - 133	2	30
Ethylene Dibromide	20.0	20.3		ug/L		101	69 - 126	1	30
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 121	0	30
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 118	4	30
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	79 - 122	0	30
Dichlorodifluoromethane	20.0	21.8		ug/L		109	31 - 150	1	30
1,2,4-Trichlorobenzene	20.0	20.8		ug/L		104	64 - 132	5	30
1,4-Dioxane	400	586	*	ug/L		146	70 - 142	5	30
1,2,3-Trichlorobenzene	20.0	21.2		ug/L		106	53 - 144	4	30
1,2-Dibromo-3-Chloropropane	20.0	20.7		ug/L		104	41 - 143	6	30
Chlorobromomethane	20.0	21.2		ug/L		106	73 - 126	1	30
Isopropylbenzene	20.0	21.2		ug/L		106	79 - 125	0	30
Methyl acetate	40.0	60.2	*	ug/L		150	70 - 127	3	30
Methylcyclohexane	20.0	22.3		ug/L		112	60 - 139	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		75 - 123
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene	97		76 - 120
Dibromofluoromethane (Surr)	98		77 - 124

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 460-755377/8**  
**Matrix: Water**  
**Analysis Batch: 755377**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	1.0	U	1.0	0.40	ug/L			01/27/21 09:41	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/27/21 09:41	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/27/21 09:41	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/27/21 09:41	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/27/21 09:41	1
Acetone	5.0	U	5.0	4.4	ug/L			01/27/21 09:41	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/27/21 09:41	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/27/21 09:41	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/27/21 09:41	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/27/21 09:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/27/21 09:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/27/21 09:41	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/27/21 09:41	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/27/21 09:41	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/27/21 09:41	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/27/21 09:41	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/27/21 09:41	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/27/21 09:41	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/27/21 09:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 09:41	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/27/21 09:41	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/27/21 09:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/27/21 09:41	1
Benzene	1.0	U	1.0	0.20	ug/L			01/27/21 09:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/27/21 09:41	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/27/21 09:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/27/21 09:41	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/27/21 09:41	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/27/21 09:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/27/21 09:41	1
Toluene	1.0	U	1.0	0.38	ug/L			01/27/21 09:41	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/27/21 09:41	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/27/21 09:41	1
Styrene	1.0	U	1.0	0.42	ug/L			01/27/21 09:41	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/27/21 09:41	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/27/21 09:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/27/21 09:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/27/21 09:41	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/27/21 09:41	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/27/21 09:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/27/21 09:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/27/21 09:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/27/21 09:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/27/21 09:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/27/21 09:41	1
1,4-Dioxane	50	U	50	28	ug/L			01/27/21 09:41	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/27/21 09:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/27/21 09:41	1

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 460-755377/8**  
**Matrix: Water**  
**Analysis Batch: 755377**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/27/21 09:41	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/27/21 09:41	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			01/27/21 09:41	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/27/21 09:41	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	97		75 - 123		01/27/21 09:41	1
Toluene-d8 (Surr)	103		80 - 120		01/27/21 09:41	1
4-Bromofluorobenzene	98		76 - 120		01/27/21 09:41	1
Dibromofluoromethane (Surr)	97		77 - 124		01/27/21 09:41	1

**Lab Sample ID: LCS 460-755377/4**  
**Matrix: Water**  
**Analysis Batch: 755377**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Chloromethane	20.0	19.5		ug/L		98	38 - 150
Bromomethane	20.0	16.9		ug/L		85	10 - 150
Vinyl chloride	20.0	20.1		ug/L		100	61 - 144
Chloroethane	20.0	17.5		ug/L		87	29 - 150
Methylene Chloride	20.0	21.5		ug/L		107	74 - 127
Acetone	100	92.6		ug/L		93	61 - 134
Carbon disulfide	20.0	22.8		ug/L		114	64 - 138
Trichlorofluoromethane	20.0	17.8		ug/L		89	61 - 140
1,1-Dichloroethene	20.0	20.9		ug/L		104	68 - 133
1,1-Dichloroethane	20.0	23.3		ug/L		116	73 - 130
trans-1,2-Dichloroethene	20.0	21.1		ug/L		106	74 - 126
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	78 - 121
Chloroform	20.0	20.7		ug/L		104	78 - 125
1,2-Dichloroethane	20.0	19.9		ug/L		100	75 - 121
2-Butanone (MEK)	100	85.4		ug/L		85	69 - 128
1,1,1-Trichloroethane	20.0	20.1		ug/L		101	68 - 128
Carbon tetrachloride	20.0	21.0		ug/L		105	56 - 131
Dichlorobromomethane	20.0	19.9		ug/L		100	72 - 121
1,2-Dichloropropane	20.0	23.0		ug/L		115	76 - 126
cis-1,3-Dichloropropene	20.0	20.9		ug/L		104	74 - 125
Trichloroethene	20.0	20.8		ug/L		104	71 - 121
Chlorodibromomethane	20.0	19.0		ug/L		95	58 - 130
1,1,2-Trichloroethane	20.0	21.3		ug/L		106	74 - 125
Benzene	20.0	22.8		ug/L		114	78 - 126
trans-1,3-Dichloropropene	20.0	20.8		ug/L		104	66 - 127
Bromoform	20.0	18.5		ug/L		92	38 - 144
4-Methyl-2-pentanone (MIBK)	100	90.2		ug/L		90	78 - 125
2-Hexanone	100	86.5		ug/L		86	74 - 127
Tetrachloroethene	20.0	18.9		ug/L		95	70 - 127
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		107	63 - 139
Toluene	20.0	20.4		ug/L		102	78 - 119
Chlorobenzene	20.0	19.6		ug/L		98	80 - 119

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 460-755377/4**  
**Matrix: Water**  
**Analysis Batch: 755377**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	20.0	20.2		ug/L		101	78 - 120
Styrene	20.0	20.0		ug/L		100	75 - 127
m-Xylene & p-Xylene	20.0	20.5		ug/L		103	78 - 123
o-Xylene	20.0	20.2		ug/L		101	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7		ug/L		113	59 - 142
Methyl tert-butyl ether	20.0	20.7		ug/L		104	65 - 131
Cyclohexane	20.0	21.3		ug/L		106	67 - 133
Ethylene Dibromide	20.0	18.6		ug/L		93	69 - 126
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 121
1,4-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 118
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	79 - 122
Dichlorodifluoromethane	20.0	23.0		ug/L		115	31 - 150
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		96	64 - 132
1,4-Dioxane	400	534		ug/L		133	70 - 142
1,2,3-Trichlorobenzene	20.0	18.6		ug/L		93	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	41 - 143
Chlorobromomethane	20.0	20.1		ug/L		101	73 - 126
Isopropylbenzene	20.0	19.9		ug/L		99	79 - 125
Methyl acetate	40.0	55.1 *		ug/L		138	70 - 127
Methylcyclohexane	20.0	21.5		ug/L		107	60 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		75 - 123
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene	95		76 - 120
Dibromofluoromethane (Surr)	100		77 - 124

**Lab Sample ID: LCSD 460-755377/5**  
**Matrix: Water**  
**Analysis Batch: 755377**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	19.7		ug/L		99	38 - 150	1	30
Bromomethane	20.0	16.5		ug/L		82	10 - 150	3	30
Vinyl chloride	20.0	20.3		ug/L		101	61 - 144	1	30
Chloroethane	20.0	17.4		ug/L		87	29 - 150	0	30
Methylene Chloride	20.0	21.2		ug/L		106	74 - 127	1	30
Acetone	100	93.1		ug/L		93	61 - 134	1	30
Carbon disulfide	20.0	22.5		ug/L		113	64 - 138	1	30
Trichlorofluoromethane	20.0	17.6		ug/L		88	61 - 140	1	30
1,1-Dichloroethene	20.0	20.7		ug/L		103	68 - 133	1	30
1,1-Dichloroethane	20.0	22.8		ug/L		114	73 - 130	2	30
trans-1,2-Dichloroethene	20.0	20.6		ug/L		103	74 - 126	2	30
cis-1,2-Dichloroethene	20.0	20.7		ug/L		103	78 - 121	2	30
Chloroform	20.0	20.5		ug/L		102	78 - 125	1	30
1,2-Dichloroethane	20.0	19.8		ug/L		99	75 - 121	1	30
2-Butanone (MEK)	100	87.4		ug/L		87	69 - 128	2	30
1,1,1-Trichloroethane	20.0	19.7		ug/L		98	68 - 128	2	30

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 460-755377/5**  
**Matrix: Water**  
**Analysis Batch: 755377**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	20.0	19.7		ug/L		98	56 - 131	6	30
Dichlorobromomethane	20.0	19.2		ug/L		96	72 - 121	3	30
1,2-Dichloropropane	20.0	23.0		ug/L		115	76 - 126	0	30
cis-1,3-Dichloropropene	20.0	21.4		ug/L		107	74 - 125	3	30
Trichloroethene	20.0	20.2		ug/L		101	71 - 121	3	30
Chlorodibromomethane	20.0	19.7		ug/L		98	58 - 130	3	30
1,1,2-Trichloroethane	20.0	21.5		ug/L		107	74 - 125	1	30
Benzene	20.0	22.9		ug/L		114	78 - 126	0	30
trans-1,3-Dichloropropene	20.0	20.9		ug/L		104	66 - 127	0	30
Bromoform	20.0	18.2		ug/L		91	38 - 144	1	30
4-Methyl-2-pentanone (MIBK)	100	89.2		ug/L		89	78 - 125	1	30
2-Hexanone	100	85.0		ug/L		85	74 - 127	2	30
Tetrachloroethene	20.0	19.3		ug/L		96	70 - 127	2	30
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	63 - 139	4	30
Toluene	20.0	20.6		ug/L		103	78 - 119	1	30
Chlorobenzene	20.0	19.8		ug/L		99	80 - 119	1	30
Ethylbenzene	20.0	20.5		ug/L		102	78 - 120	1	30
Styrene	20.0	20.7		ug/L		104	75 - 127	4	30
m-Xylene & p-Xylene	20.0	20.8		ug/L		104	78 - 123	1	30
o-Xylene	20.0	20.5		ug/L		102	78 - 122	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.7		ug/L		104	59 - 142	9	30
Methyl tert-butyl ether	20.0	20.1		ug/L		100	65 - 131	3	30
Cyclohexane	20.0	21.3		ug/L		106	67 - 133	0	30
Ethylene Dibromide	20.0	19.3		ug/L		97	69 - 126	4	30
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 121	1	30
1,4-Dichlorobenzene	20.0	18.7		ug/L		93	80 - 118	3	30
1,2-Dichlorobenzene	20.0	19.3		ug/L		97	79 - 122	0	30
Dichlorodifluoromethane	20.0	23.2		ug/L		116	31 - 150	1	30
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		93	64 - 132	3	30
1,4-Dioxane	400	590	*	ug/L		147	70 - 142	10	30
1,2,3-Trichlorobenzene	20.0	18.7		ug/L		94	53 - 144	0	30
1,2-Dibromo-3-Chloropropane	20.0	17.8		ug/L		89	41 - 143	1	30
Chlorobromomethane	20.0	19.1		ug/L		95	73 - 126	5	30
Isopropylbenzene	20.0	20.3		ug/L		101	79 - 125	2	30
Methyl acetate	40.0	54.7	*	ug/L		137	70 - 127	1	30
Methylcyclohexane	20.0	21.3		ug/L		106	60 - 139	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		75 - 123
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene	97		76 - 120
Dibromofluoromethane (Surr)	96		77 - 124



# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 460-753689/1-A**  
**Matrix: Water**  
**Analysis Batch: 753850**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 753689**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	0.010	U	0.010	0.0012	mg/L		01/19/21 08:13	01/19/21 20:23	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.010	0.0012	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,2'-oxybis[1-chloropropane]	0.010	U	0.010	0.00063	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,3,4,6-Tetrachlorophenol	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00088	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00086	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,4-Dichlorophenol	0.010	U	0.010	0.0011	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,4-Dimethylphenol	0.010	U	0.010	0.00062	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,4-Dinitrophenol	0.030	U	0.030	0.0026	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		01/19/21 08:13	01/19/21 20:23	1
2,6-Dinitrotoluene	0.0020	U	0.0020	0.00083	mg/L		01/19/21 08:13	01/19/21 20:23	1
2-Chloronaphthalene	0.010	U	0.010	0.0012	mg/L		01/19/21 08:13	01/19/21 20:23	1
2-Chlorophenol	0.010	U	0.010	0.00038	mg/L		01/19/21 08:13	01/19/21 20:23	1
2-Methylnaphthalene	0.010	U	0.010	0.00053	mg/L		01/19/21 08:13	01/19/21 20:23	1
2-Methylphenol	0.010	U	0.010	0.00067	mg/L		01/19/21 08:13	01/19/21 20:23	1
2-Nitroaniline	0.020	U	0.020	0.00047	mg/L		01/19/21 08:13	01/19/21 20:23	1
2-Nitrophenol	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/19/21 20:23	1
3,3'-Dichlorobenzidine	0.020	U	0.020	0.0014	mg/L		01/19/21 08:13	01/19/21 20:23	1
3-Nitroaniline	0.020	U	0.020	0.0019	mg/L		01/19/21 08:13	01/19/21 20:23	1
4,6-Dinitro-2-methylphenol	0.030	U	0.030	0.0030	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Bromophenyl phenyl ether	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Chloro-3-methylphenol	0.010	U	0.010	0.00058	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Chloroaniline	0.0010	U	0.0010	0.0019	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Chlorophenyl phenyl ether	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Methylphenol	0.010	U	0.010	0.00065	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Nitroaniline	0.020	U	0.020	0.0012	mg/L		01/19/21 08:13	01/19/21 20:23	1
4-Nitrophenol	0.030	U	0.030	0.0040	mg/L		01/19/21 08:13	01/19/21 20:23	1
Acenaphthene	0.010	U	0.010	0.0011	mg/L		01/19/21 08:13	01/19/21 20:23	1
Acenaphthylene	0.010	U	0.010	0.00082	mg/L		01/19/21 08:13	01/19/21 20:23	1
Acetophenone	0.010	U	0.010	0.0023	mg/L		01/19/21 08:13	01/19/21 20:23	1
Anthracene	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/19/21 20:23	1
Atrazine	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/19/21 20:23	1
Benzaldehyde	0.010	U	0.010	0.0021	mg/L		01/19/21 08:13	01/19/21 20:23	1
Benzo[a]anthracene	0.0010	U	0.0010	0.00059	mg/L		01/19/21 08:13	01/19/21 20:23	1
Benzo[a]pyrene	0.0010	U	0.0010	0.00041	mg/L		01/19/21 08:13	01/19/21 20:23	1
Benzo[b]fluoranthene	0.0020	U	0.0020	0.00068	mg/L		01/19/21 08:13	01/19/21 20:23	1
Benzo[g,h,i]perylene	0.010	U	0.010	0.00070	mg/L		01/19/21 08:13	01/19/21 20:23	1
Benzo[k]fluoranthene	0.0010	U	0.0010	0.00067	mg/L		01/19/21 08:13	01/19/21 20:23	1
Bis(2-chloroethoxy)methane	0.010	U	0.010	0.00059	mg/L		01/19/21 08:13	01/19/21 20:23	1
Bis(2-chloroethyl)ether	0.0010	U	0.0010	0.00063	mg/L		01/19/21 08:13	01/19/21 20:23	1
Bis(2-ethylhexyl) phthalate	0.010	U	0.010	0.00080	mg/L		01/19/21 08:13	01/19/21 20:23	1
Butyl benzyl phthalate	0.010	U	0.010	0.00085	mg/L		01/19/21 08:13	01/19/21 20:23	1
Caprolactam	0.010	U	0.010	0.0022	mg/L		01/19/21 08:13	01/19/21 20:23	1
Carbazole	0.010	U	0.010	0.00068	mg/L		01/19/21 08:13	01/19/21 20:23	1
Chrysene	0.010	U	0.010	0.00091	mg/L		01/19/21 08:13	01/19/21 20:23	1
Dibenz(a,h)anthracene	0.0010	U	0.0010	0.00072	mg/L		01/19/21 08:13	01/19/21 20:23	1
Dibenzofuran	0.010	U	0.010	0.0011	mg/L		01/19/21 08:13	01/19/21 20:23	1
Diethyl phthalate	0.010	U	0.010	0.00098	mg/L		01/19/21 08:13	01/19/21 20:23	1

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 460-753689/1-A**  
**Matrix: Water**  
**Analysis Batch: 753850**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 753689**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dimethyl phthalate	0.010	U	0.010	0.00077	mg/L		01/19/21 08:13	01/19/21 20:23	1
Di-n-butyl phthalate	0.010	U	0.010	0.00084	mg/L		01/19/21 08:13	01/19/21 20:23	1
Di-n-octyl phthalate	0.010	U	0.010	0.00075	mg/L		01/19/21 08:13	01/19/21 20:23	1
Fluoranthene	0.010	U	0.010	0.00084	mg/L		01/19/21 08:13	01/19/21 20:23	1
Fluorene	0.010	U	0.010	0.00091	mg/L		01/19/21 08:13	01/19/21 20:23	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		01/19/21 08:13	01/19/21 20:23	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00078	mg/L		01/19/21 08:13	01/19/21 20:23	1
Hexachlorocyclopentadiene	0.010	U	0.010	0.0036	mg/L		01/19/21 08:13	01/19/21 20:23	1
Hexachloroethane	0.0020	U	0.0020	0.00080	mg/L		01/19/21 08:13	01/19/21 20:23	1
Indeno[1,2,3-cd]pyrene	0.0020	U	0.0020	0.00094	mg/L		01/19/21 08:13	01/19/21 20:23	1
Isophorone	0.010	U	0.010	0.00080	mg/L		01/19/21 08:13	01/19/21 20:23	1
Naphthalene	0.0020	U	0.0020	0.00054	mg/L		01/19/21 08:13	01/19/21 20:23	1
Nitrobenzene	0.0010	U	0.0010	0.00057	mg/L		01/19/21 08:13	01/19/21 20:23	1
N-Nitrosodi-n-propylamine	0.0010	U	0.0010	0.00043	mg/L		01/19/21 08:13	01/19/21 20:23	1
N-Nitrosodiphenylamine	0.010	U	0.010	0.00089	mg/L		01/19/21 08:13	01/19/21 20:23	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		01/19/21 08:13	01/19/21 20:23	1
Phenanthrene	0.010	U	0.010	0.0013	mg/L		01/19/21 08:13	01/19/21 20:23	1
Phenol	0.010	U	0.010	0.00029	mg/L		01/19/21 08:13	01/19/21 20:23	1
Pyrene	0.010	U	0.010	0.0016	mg/L		01/19/21 08:13	01/19/21 20:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	94		36 - 159	01/19/21 08:13	01/19/21 20:23	1
2-Fluorobiphenyl	94		42 - 127	01/19/21 08:13	01/19/21 20:23	1
2-Fluorophenol (Surr)	89	*	18 - 72	01/19/21 08:13	01/19/21 20:23	1
Nitrobenzene-d5 (Surr)	91		46 - 137	01/19/21 08:13	01/19/21 20:23	1
Phenol-d5 (Surr)	34		10 - 50	01/19/21 08:13	01/19/21 20:23	1
Terphenyl-d14 (Surr)	111		39 - 150	01/19/21 08:13	01/19/21 20:23	1

**Lab Sample ID: LCS 460-753689/2-A**  
**Matrix: Water**  
**Analysis Batch: 753850**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1'-Biphenyl	0.0800	0.0733		mg/L		92	59 - 102
1,2,4,5-Tetrachlorobenzene	0.0800	0.0722		mg/L		90	48 - 109
2,2'-oxybis[1-chloropropane]	0.0800	0.0571		mg/L		71	38 - 124
2,3,4,6-Tetrachlorophenol	0.0800	0.0715		mg/L		89	64 - 123
2,4,5-Trichlorophenol	0.0800	0.0701		mg/L		88	64 - 110
2,4,6-Trichlorophenol	0.0800	0.0726		mg/L		91	64 - 115
2,4-Dichlorophenol	0.0800	0.0715		mg/L		89	65 - 107
2,4-Dimethylphenol	0.0800	0.0669		mg/L		84	59 - 101
2,4-Dinitrophenol	0.160	0.159		mg/L		99	36 - 150
2,4-Dinitrotoluene	0.0800	0.0772		mg/L		96	63 - 122
2,6-Dinitrotoluene	0.0800	0.0724		mg/L		91	71 - 118
2-Chloronaphthalene	0.0800	0.0715		mg/L		89	57 - 102
2-Chlorophenol	0.0800	0.0628		mg/L		78	57 - 93
2-Methylnaphthalene	0.0800	0.0764		mg/L		95	57 - 103
2-Methylphenol	0.0800	0.0519		mg/L		65	45 - 86

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 460-753689/2-A**  
**Matrix: Water**  
**Analysis Batch: 753850**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	0.0800	0.0578		mg/L		72	54 - 123
2-Nitrophenol	0.0800	0.0686		mg/L		86	60 - 126
3,3'-Dichlorobenzidine	0.0800	0.0725		mg/L		91	59 - 125
3-Nitroaniline	0.0800	0.0673		mg/L		84	57 - 110
4,6-Dinitro-2-methylphenol	0.160	0.144		mg/L		90	69 - 149
4-Bromophenyl phenyl ether	0.0800	0.0752		mg/L		94	65 - 115
4-Chloro-3-methylphenol	0.0800	0.0561		mg/L		70	60 - 107
4-Chloroaniline	0.0800	0.0670		mg/L		84	43 - 105
4-Chlorophenyl phenyl ether	0.0800	0.0793		mg/L		99	60 - 113
4-Methylphenol	0.0800	0.0455		mg/L		57	37 - 86
4-Nitroaniline	0.0800	0.0744		mg/L		93	52 - 122
4-Nitrophenol	0.160	0.0506		mg/L		32	17 - 61
Acenaphthene	0.0800	0.0712		mg/L		89	54 - 108
Acenaphthylene	0.0800	0.0735		mg/L		92	64 - 102
Acetophenone	0.0800	0.0678		mg/L		85	65 - 109
Anthracene	0.0800	0.0721		mg/L		90	69 - 110
Atrazine	0.0400	0.0653	*	mg/L		163	10 - 150
Benzaldehyde	0.0400	0.0455		mg/L		114	47 - 134
Benzo[a]anthracene	0.0800	0.0671		mg/L		84	71 - 114
Benzo[a]pyrene	0.0800	0.0918	*	mg/L		115	67 - 106
Benzo[b]fluoranthene	0.0800	0.0873		mg/L		109	65 - 113
Benzo[g,h,i]perylene	0.0800	0.0896		mg/L		112	48 - 145
Benzo[k]fluoranthene	0.0800	0.0825		mg/L		103	66 - 116
Bis(2-chloroethoxy)methane	0.0800	0.0624		mg/L		78	64 - 114
Bis(2-chloroethyl)ether	0.0800	0.0657		mg/L		82	57 - 112
Bis(2-ethylhexyl) phthalate	0.0800	0.0666		mg/L		83	60 - 135
Butyl benzyl phthalate	0.0800	0.0613		mg/L		77	63 - 126
Caprolactam	0.0400	0.0164		mg/L		41	10 - 60
Carbazole	0.0800	0.0741		mg/L		93	68 - 113
Chrysene	0.0800	0.0661		mg/L		83	74 - 122
Dibenz(a,h)anthracene	0.0800	0.0946		mg/L		118	57 - 144
Dibenzofuran	0.0800	0.0753		mg/L		94	65 - 104
Diethyl phthalate	0.0800	0.0704		mg/L		88	65 - 105
Dimethyl phthalate	0.0800	0.0744		mg/L		93	68 - 105
Di-n-butyl phthalate	0.0800	0.0711		mg/L		89	66 - 113
Di-n-octyl phthalate	0.0800	0.0790		mg/L		99	40 - 133
Fluoranthene	0.0800	0.0779		mg/L		97	66 - 116
Fluorene	0.0800	0.0745		mg/L		93	64 - 108
Hexachlorobenzene	0.0800	0.0705		mg/L		88	59 - 129
Hexachlorobutadiene	0.0800	0.0746		mg/L		93	33 - 98
Hexachlorocyclopentadiene	0.0800	0.0485		mg/L		61	14 - 97
Hexachloroethane	0.0800	0.0561		mg/L		70	27 - 94
Indeno[1,2,3-cd]pyrene	0.0800	0.0932		mg/L		116	55 - 139
Isophorone	0.0800	0.0661		mg/L		83	64 - 113
Naphthalene	0.0800	0.0695		mg/L		87	56 - 99
Nitrobenzene	0.0800	0.0653		mg/L		82	67 - 109
N-Nitrosodi-n-propylamine	0.0800	0.0591		mg/L		74	60 - 111
N-Nitrosodiphenylamine	0.0800	0.0717		mg/L		90	67 - 110
Pentachlorophenol	0.160	0.150		mg/L		94	57 - 135

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 460-753689/2-A**  
**Matrix: Water**  
**Analysis Batch: 753850**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753689**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	0.0800	0.0710		mg/L		89	69 - 108
Phenol	0.0800	0.0234		mg/L		29	20 - 53
Pyrene	0.0800	0.0648		mg/L		81	66 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	96		36 - 159
2-Fluorobiphenyl	86		42 - 127
2-Fluorophenol (Surr)	43		18 - 72
Nitrobenzene-d5 (Surr)	77		46 - 137
Phenol-d5 (Surr)	29		10 - 50
Terphenyl-d14 (Surr)	91		39 - 150

## Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Lab Sample ID: MB 460-753989/1-A**  
**Matrix: Water**  
**Analysis Batch: 754103**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 753989**

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		01/20/21 10:02	01/20/21 20:50	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	34		10 - 150	01/20/21 10:02	01/20/21 20:50	1

**Lab Sample ID: LCS 460-753989/2-A**  
**Matrix: Water**  
**Analysis Batch: 754103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753989**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.60	2.16		ug/L		135	10 - 200

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	34		10 - 200

**Lab Sample ID: LCSD 460-753989/3-A**  
**Matrix: Water**  
**Analysis Batch: 754103**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 753989**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.60	1.80		ug/L		112	10 - 200	18	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	34		10 - 200

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 320-454252/1-A**  
**Matrix: Water**  
**Analysis Batch: 454666**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 454252**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	5.00	U	5.00	2.40	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	0.49	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.58	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.25	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.85	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.27	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.31	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	1.10	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.55	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorotridecanoic acid (PFTriA)	2.00	U	2.00	1.30	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorotetradecanoic acid (PFTeA)	2.00	U	2.00	0.73	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.20	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.57	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.00	U	2.00	0.19	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.54	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.32	ng/L		01/21/21 18:20	01/22/21 20:36	1
Perfluorooctanesulfonamide (FOSA)	2.00	U	2.00	0.98	ng/L		01/21/21 18:20	01/22/21 20:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.00	U	5.00	1.20	ng/L		01/21/21 18:20	01/22/21 20:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.00	U	5.00	1.30	ng/L		01/21/21 18:20	01/22/21 20:36	1
6:2 FTS	5.00	U	5.00	2.50	ng/L		01/21/21 18:20	01/22/21 20:36	1
8:2 FTS	2.00	U	2.00	0.46	ng/L		01/21/21 18:20	01/22/21 20:36	1
Isotope Dilution	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C4 PFBA	92		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C5 PFPeA	93		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C2 PFHxA	95		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C4 PFHpA	105		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C4 PFOA	117		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C5 PFNA	116		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C2 PFDA	118		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C2 PFUnA	112		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C2 PFDoA	127		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C2 PFTeDA	113		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C3 PFBS	89		25 - 150				01/21/21 18:20	01/22/21 20:36	1
18O2 PFHxS	89		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C4 PFOS	96		25 - 150				01/21/21 18:20	01/22/21 20:36	1
13C8 FOSA	98		25 - 150				01/21/21 18:20	01/22/21 20:36	1
d3-NMeFOSAA	92		25 - 150				01/21/21 18:20	01/22/21 20:36	1
d5-NEtFOSAA	85		25 - 150				01/21/21 18:20	01/22/21 20:36	1
M2-6:2 FTS	108		25 - 150				01/21/21 18:20	01/22/21 20:36	1
M2-8:2 FTS	110		25 - 150				01/21/21 18:20	01/22/21 20:36	1

# QC Sample Results

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-454252/2-A**  
**Matrix: Water**  
**Analysis Batch: 454666**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 454252**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	42.83		ng/L		107	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	39.64		ng/L		99	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	39.52		ng/L		99	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	39.17		ng/L		98	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	38.99		ng/L		97	70 - 130
Perfluorononanoic acid (PFNA)	40.0	37.95		ng/L		95	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.00		ng/L		105	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	44.22		ng/L		111	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	45.31		ng/L		113	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	47.02		ng/L		118	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	39.51		ng/L		99	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	38.38		ng/L		109	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.81		ng/L		98	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	39.47		ng/L		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	37.75		ng/L		102	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	38.99		ng/L		101	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	44.33		ng/L		111	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.31		ng/L		93	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.85		ng/L		102	76 - 136
6:2 FTS	37.9	37.09		ng/L		98	59 - 175
8:2 FTS	38.3	40.16		ng/L		105	75 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	87		25 - 150
13C5 PFPeA	91		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	112		25 - 150
13C5 PFNA	113		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	104		25 - 150
13C2 PFTeDA	129		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	87		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	92		25 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	81		25 - 150

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-454252/2-A**  
**Matrix: Water**  
**Analysis Batch: 454666**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 454252**

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	102		25 - 150

**Lab Sample ID: LCSD 320-454252/3-A**  
**Matrix: Water**  
**Analysis Batch: 454853**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 454252**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	43.89		ng/L		110	76 - 136	2	30	
Perfluoropentanoic acid (PFPeA)	40.0	41.57		ng/L		104	71 - 131	5	30	
Perfluorohexanoic acid (PFHxA)	40.0	42.71		ng/L		107	73 - 133	8	30	
Perfluoroheptanoic acid (PFHpA)	40.0	43.74		ng/L		109	72 - 132	11	30	
Perfluorooctanoic acid (PFOA)	40.0	40.31		ng/L		101	70 - 130	3	30	
Perfluorononanoic acid (PFNA)	40.0	41.47		ng/L		104	75 - 135	9	30	
Perfluorodecanoic acid (PFDA)	40.0	44.72		ng/L		112	76 - 136	6	30	
Perfluoroundecanoic acid (PFUnA)	40.0	38.87		ng/L		97	68 - 128	13	30	
Perfluorododecanoic acid (PFDoA)	40.0	44.64		ng/L		112	71 - 131	1	30	
Perfluorotridecanoic acid (PFTriA)	40.0	46.68		ng/L		117	71 - 131	1	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	38.39		ng/L		96	70 - 130	3	30	
Perfluorobutanesulfonic acid (PFBS)	35.4	38.81		ng/L		110	67 - 127	1	30	
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.60		ng/L		98	59 - 119	1	30	
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.54		ng/L		106	76 - 136	3	30	
Perfluorooctanesulfonic acid (PFOS)	37.1	38.18		ng/L		103	70 - 130	1	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	37.74		ng/L		98	71 - 131	3	30	
Perfluorooctanesulfonamide (FOSA)	40.0	48.59		ng/L		121	73 - 133	9	30	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.37		ng/L		96	76 - 136	3	30	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	42.45		ng/L		106	76 - 136	4	30	
6:2 FTS	37.9	36.36		ng/L		96	59 - 175	2	30	
8:2 FTS	38.3	42.49		ng/L		111	75 - 135	6	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	95		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	96		25 - 150

Eurofins TestAmerica, Edison

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCSD 320-454252/3-A**  
**Matrix: Water**  
**Analysis Batch: 454853**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 454252**

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFTeDA	107		25 - 150
13C3 PFBS	103		25 - 150
18O2 PFHxS	103		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	95		25 - 150
d3-NMeFOSAA	102		25 - 150
d5-NEtFOSAA	94		25 - 150
M2-6:2 FTS	130		25 - 150
M2-8:2 FTS	112		25 - 150

## Method: 6010D - Metals (ICP)

**Lab Sample ID: MB 460-754012/1-A**  
**Matrix: Water**  
**Analysis Batch: 754233**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 754012**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	10.0	U	10.0	5.8	ug/L		01/20/21 11:17	01/21/21 13:34	1
Arsenic	15.0	U	15.0	3.3	ug/L		01/20/21 11:17	01/21/21 13:34	1
Barium	200	U	200	13.2	ug/L		01/20/21 11:17	01/21/21 13:34	1
Cadmium	4.0	U	4.0	0.33	ug/L		01/20/21 11:17	01/21/21 13:34	1
Chromium	10.0	U	10.0	5.0	ug/L		01/20/21 11:17	01/21/21 13:34	1
Lead	10.0	U	10.0	2.4	ug/L		01/20/21 11:17	01/21/21 13:34	1
Selenium	20.0	U	20.0	5.9	ug/L		01/20/21 11:17	01/21/21 13:34	1

**Lab Sample ID: LCS 460-754012/2-A**  
**Matrix: Water**  
**Analysis Batch: 754233**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 754012**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	50.0	53.73		ug/L		107	80 - 120
Arsenic	2000	2139		ug/L		107	80 - 120
Barium	2000	2155		ug/L		108	80 - 120
Cadmium	50.0	54.29		ug/L		109	80 - 120
Chromium	200	215.2		ug/L		108	80 - 120
Lead	500	547.1		ug/L		109	80 - 120
Selenium	2000	2068		ug/L		103	80 - 120

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 460-755482/1-A**  
**Matrix: Water**  
**Analysis Batch: 755538**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 755482**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.20	U	0.20	0.091	ug/L		01/27/21 11:13	01/27/21 14:35	1



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-755482/2-A  
Matrix: Water  
Analysis Batch: 755538

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 755482  
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	1.00	0.900		ug/L		90	80 - 120

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## GC/MS VOA

### Analysis Batch: 755281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-1	MW-100D	Total/NA	Water	8260D	
460-226675-3	ERM-MW-07D	Total/NA	Water	8260D	
460-226675-6	Rinsate	Total/NA	Water	8260D	
460-226675-7	Drum Waste Characterization	Total/NA	Water	8260D	
460-226675-8	Trip Blank 20210114	Total/NA	Water	8260D	
MB 460-755281/9	Method Blank	Total/NA	Water	8260D	
LCS 460-755281/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-755281/6	Lab Control Sample Dup	Total/NA	Water	8260D	

### Analysis Batch: 755377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-2	MW-07SM	Total/NA	Water	8260D	
460-226675-4	MW-101D	Total/NA	Water	8260D	
460-226675-5	MW-X	Total/NA	Water	8260D	
MB 460-755377/8	Method Blank	Total/NA	Water	8260D	
LCS 460-755377/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-755377/5	Lab Control Sample Dup	Total/NA	Water	8260D	

## GC/MS Semi VOA

### Prep Batch: 753689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-7	Drum Waste Characterization	Total/NA	Water	3510C	
MB 460-753689/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-753689/2-A	Lab Control Sample	Total/NA	Water	3510C	

### Analysis Batch: 753850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-7	Drum Waste Characterization	Total/NA	Water	8270E	753689
MB 460-753689/1-A	Method Blank	Total/NA	Water	8270E	753689
LCS 460-753689/2-A	Lab Control Sample	Total/NA	Water	8270E	753689

### Prep Batch: 753989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-1	MW-100D	Total/NA	Water	3510C	
460-226675-3	ERM-MW-07D	Total/NA	Water	3510C	
460-226675-5	MW-X	Total/NA	Water	3510C	
MB 460-753989/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-753989/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-753989/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 754103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-1	MW-100D	Total/NA	Water	8270E SIM ID	753989
460-226675-3	ERM-MW-07D	Total/NA	Water	8270E SIM ID	753989
460-226675-5	MW-X	Total/NA	Water	8270E SIM ID	753989
MB 460-753989/1-A	Method Blank	Total/NA	Water	8270E SIM ID	753989
LCS 460-753989/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	753989
LCSD 460-753989/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	753989

# QC Association Summary

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## LCMS

### Prep Batch: 454252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-1	MW-100D	Total/NA	Water	3535	
460-226675-3	ERM-MW-07D	Total/NA	Water	3535	
460-226675-5	MW-X	Total/NA	Water	3535	
MB 320-454252/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-454252/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-454252/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 454666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-1	MW-100D	Total/NA	Water	537 (modified)	454252
460-226675-5	MW-X	Total/NA	Water	537 (modified)	454252
MB 320-454252/1-A	Method Blank	Total/NA	Water	537 (modified)	454252
LCS 320-454252/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	454252

### Analysis Batch: 454853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-3	ERM-MW-07D	Total/NA	Water	537 (modified)	454252
LCSD 320-454252/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	454252

## Metals

### Prep Batch: 754012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-7	Drum Waste Characterization	Total/NA	Water	3010A	
MB 460-754012/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-754012/2-A	Lab Control Sample	Total/NA	Water	3010A	

### Analysis Batch: 754233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-7	Drum Waste Characterization	Total/NA	Water	6010D	754012
MB 460-754012/1-A	Method Blank	Total/NA	Water	6010D	754012
LCS 460-754012/2-A	Lab Control Sample	Total/NA	Water	6010D	754012

### Prep Batch: 755482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-7	Drum Waste Characterization	Total/NA	Water	7470A	
MB 460-755482/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-755482/2-A	Lab Control Sample	Total/NA	Water	7470A	

### Analysis Batch: 755538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-226675-7	Drum Waste Characterization	Total/NA	Water	7470A	755482
MB 460-755482/1-A	Method Blank	Total/NA	Water	7470A	755482
LCS 460-755482/2-A	Lab Control Sample	Total/NA	Water	7470A	755482

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Client Sample ID: MW-100D

Lab Sample ID: 460-226675-1

Date Collected: 01/14/21 09:22

Matrix: Water

Date Received: 01/15/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		25	755281	01/27/21 04:58	GXY	TAL EDI
Total/NA	Prep	3510C			753989	01/20/21 10:02	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	754103	01/20/21 21:36	MME	TAL EDI
Total/NA	Prep	3535			454252	01/21/21 18:20	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1	454666	01/22/21 21:04	JY1	TAL SAC

## Client Sample ID: MW-07SM

Lab Sample ID: 460-226675-2

Date Collected: 01/14/21 10:08

Matrix: Water

Date Received: 01/15/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	755377	01/27/21 10:30	CJM	TAL EDI

## Client Sample ID: ERM-MW-07D

Lab Sample ID: 460-226675-3

Date Collected: 01/14/21 11:16

Matrix: Water

Date Received: 01/15/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	755281	01/27/21 03:19	GXY	TAL EDI
Total/NA	Prep	3510C			753989	01/20/21 10:02	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	754103	01/20/21 21:52	MME	TAL EDI
Total/NA	Prep	3535			454252	01/21/21 18:20	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1	454853	01/23/21 18:51	RS1	TAL SAC

## Client Sample ID: MW-101D

Lab Sample ID: 460-226675-4

Date Collected: 01/14/21 12:13

Matrix: Water

Date Received: 01/15/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	755377	01/27/21 10:54	CJM	TAL EDI

## Client Sample ID: MW-X

Lab Sample ID: 460-226675-5

Date Collected: 01/14/21 00:00

Matrix: Water

Date Received: 01/15/21 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	755377	01/27/21 10:06	CJM	TAL EDI
Total/NA	Prep	3510C			753989	01/20/21 10:02	OTS	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	754103	01/20/21 22:07	MME	TAL EDI
Total/NA	Prep	3535			454252	01/21/21 18:20	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1	454666	01/22/21 21:22	JY1	TAL SAC

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Client Sample ID: Rinsate

Date Collected: 01/14/21 13:15

Date Received: 01/15/21 19:00

Lab Sample ID: 460-226675-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	755281	01/27/21 03:44	GXY	TAL EDI

## Client Sample ID: Drum Waste Characterization

Date Collected: 01/14/21 13:00

Date Received: 01/15/21 19:00

Lab Sample ID: 460-226675-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		25	755281	01/27/21 05:22	GXY	TAL EDI
Total/NA	Prep	3510C			753689	01/19/21 08:13	DXD	TAL EDI
Total/NA	Analysis	8270E		1	753850	01/20/21 06:25	MME	TAL EDI
Total/NA	Prep	3010A			754012	01/20/21 11:17	IBS	TAL EDI
Total/NA	Analysis	6010D		1	754233	01/21/21 18:49	CDC	TAL EDI
Total/NA	Prep	7470A			755482	01/27/21 11:13	RBS	TAL EDI
Total/NA	Analysis	7470A		1	755538	01/27/21 14:56	RBS	TAL EDI

## Client Sample ID: Trip Blank 20210114

Date Collected: 01/14/21 00:00

Date Received: 01/15/21 19:00

Lab Sample ID: 460-226675-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	755281	01/26/21 23:15	GXY	TAL EDI

### Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

# Accreditation/Certification Summary

Client: New York State D.E.C.  
 Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

## Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8270E SIM ID	3510C	Water	1,4-Dioxane

## Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-21 *
ANAB	ISO/IEC 17025	L2468	01-20-21 *
Arizona	State	AZ0708	08-11-21
Arkansas DEQ	State	88-0691	06-17-21
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-21
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-21
Georgia	State	4040	01-30-21
Hawaii	State	<cert No.>	01-29-21
Illinois	NELAP	200060	03-17-21
Kansas	NELAP	E-10375	02-01-21
Louisiana	NELAP	01944	06-30-21
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-21
Nevada	State	CA000442021-2	07-31-21
New Hampshire	NELAP	2997	04-18-21
New Jersey	NELAP	CA005	06-30-21
New York	NELAP	11666	04-01-21
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-29-21
Pennsylvania	NELAP	68-01272	03-31-21
Texas	NELAP	T104704399-19-13	06-01-21
US Fish & Wildlife	US Federal Programs	58448	07-31-21
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442019-01	02-28-21
Vermont	State	VT-4040	04-16-21
Virginia	NELAP	460278	03-14-21
Washington	State	C581	05-05-21
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-21
Wyoming	State Program	8TMS-L	01-28-19 *

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Method Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL EDI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
5030C	Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI

#### Protocol References:

EPA = US Environmental Protection Agency

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

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

# Sample Summary

Client: New York State D.E.C.  
Project/Site: DEC-WESTBABYLON78; Site: 152025

Job ID: 460-226675-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-226675-1	MW-100D	Water	01/14/21 09:22	01/15/21 19:00	
460-226675-2	MW-07SM	Water	01/14/21 10:08	01/15/21 19:00	
460-226675-3	ERM-MW-07D	Water	01/14/21 11:16	01/15/21 19:00	
460-226675-4	MW-101D	Water	01/14/21 12:13	01/15/21 19:00	
460-226675-5	MW-X	Water	01/14/21 00:00	01/15/21 19:00	
460-226675-6	Rinsate	Water	01/14/21 13:15	01/15/21 19:00	
460-226675-7	Drum Waste Characterization	Water	01/14/21 13:00	01/15/21 19:00	
460-226675-8	Trip Blank 20210114	Water	01/14/21 00:00	01/15/21 19:00	





472422

Chain of Custody Record

TAL-8210

Address:

Regulatory Program:  DW  NPDES  RCRA  Other:

Client Contact  
 Company Name: E.A.R.  
 Address: 225 ATLANTIC AV  
 City/State/Zip: FATCHVILLE VA 11712  
 Phone: 631-447-6400  
 Fax:  
 Project Name: DEC-WEST BASIN 78  
 Site: # 152025  
 P O #

Project Manager: IAN AFFMANN  
 Tell/Email:  
 Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below 100 days  
 2 weeks  
 1 week  
 2 days  
 1 day

Site Contact: IAN AFFMANN  
 Lab Contact:  
 Date: 1/19/21  
 Carrier: NYCB of 2 COCs  
 Sampler:  
 Job / SDG No.: 226675

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
MW-1000	1/1	0922	G	W	8	Y	PPH EPA 8260	1
MW-075M	1/1	1008	G	W	4	Y	PPH EPA 837	2
ERM-MW-07D	1/1	1116	G	W	8	Y	VOC EPA 8260	3
MW-101D	1/1	1213	G	W	4	Y	PPH EPA 837	4
MW-X	1/1	1315	G	W	8	Y	VOC EPA 8260	5
RINSE	1/1	1300	G	W	2	Y	PPH EPA 837	6
DRUM WASTE CHARACTERIZATION	1/1	1300	G	W	6	Y	VOC EPA 8260	7
TRIP BLANK 20210114	1/1		G	W	2	Y	PPH EPA 837	8



460-226675 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other: 2  
 Possible Hazard Identification: 2  
 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

Special Instructions/QC Requirements & Comments:  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Custody Seal No.: 2-8528  
 Relinquished by: [Signature] Date/Time: 1/15/21 1900  
 Relinquished by: [Signature] Date/Time: 1/15/21 1900  
 Relinquished by: [Signature] Date/Time: 1/15/21 1900

Received by: Source Ref. Date/Time: 1/19/21 1130  
 Received by: [Signature] Date/Time: 1/19/21 1900  
 Received by: [Signature] Date/Time: 1/15/21 1701



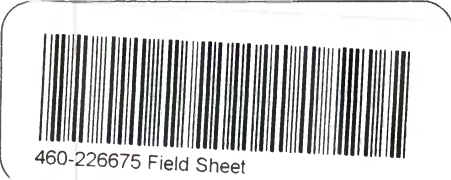


**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:				
Client Contact: Shipping/Receiving		Phone:	Gilmore, Julie L	State of Origin: New York	460-60594.1				
Company: TestAmerica Laboratories, Inc.		E-Mail: Julie.Gilmore@Eurofinset.com		Page: 1 of 1					
Address: 880 Riverside Parkway, West Sacramento CA, 95605		Accreditations Required (See note): NELAP - New York		Job #: 460-226675-1	Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)				
City: West Sacramento		Due Date Requested: 1/29/2021							
State, Zip: CA, 95605		TAT Requested (days):							
Phone: 916-373-5600(Tel) 916-372-1059(Fax)		PO #:							
Email:		WO #:							
Project Name: DEC-WESTBABYLON78; Site: 152025		Project #: 46021397							
Site:		SSOW#:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wast/woil, BT=titrus, A=AN)	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	PFC (D/A/3/5/3, PFC PFAS, Standard List (21 Analyses))	Total Number of Containers	Special Instructions/Note:
MW-100D (460-226675-1)	1/14/21	09:22 Eastern		Water	X	X	X	2	
ERM-MW-07D (460-226675-3)	1/14/21	11:16 Eastern		Water				2	
MW-X (460-226675-5)	1/14/21	Eastern		Water				2	
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte &amp; 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/test/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 compliance to Eurofins TestAmerica.</p>									
<p><b>Possible Hazard Identification</b>                  Unconfirmed                  Deliverable Requested: I, II, III, IV, Other (specify) _____</p>									
<p>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)  <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p>									
<p>Special Instructions/QC Requirements:</p>									
<p>Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____</p>									
<p>Relinquished by: _____ Date/Time: 1/19/21 1900 Company: <i>ESD</i> Received by: <i>ESD</i> Date/Time: 01/21/21 1000 Company: <i>ESD SAC</i></p>									
<p>Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____</p>									
<p>Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____</p>									
<p>Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                  Cooler Temperature(s) °C and Other Remarks: 0.5</p>									





Tracking #: 8142 0456 723

Job: \_\_\_\_\_

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier  
GSO / OnTrac / Goldstreak / USPS / Other \_\_\_\_\_

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.  
File in the job folder with the COC.

Therm. ID: <u>2-01</u> Corr. Factor: (+/-) <u>0</u> °C	Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____																				
Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____    Other _____																					
Cooler Custody Seal: <u>1169194</u>																					
Cooler ID: _____																					
Temp Observed: <u>0.5</u> °C    Corrected: <u>0.5</u> °C																					
From: Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>																					
<b>Opening/Processing The Shipment</b> <u>Yes</u> <u>No</u> <u>NA</u>																					
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>																					
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Frozen samples show signs of thaw? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Initials: <u>MAN</u> Date: <u>01/21/21</u>																					
<b>Unpacking/Labeling The Samples</b> <u>Yes</u> <u>No</u> <u>NA</u>	Trizma Lot #(s): _____ _____ _____																				
CoC is complete w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Samples compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>																					
Sample containers have legible labels? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample custody seal? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Containers are not broken or leaking? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample date/times are provided? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Appropriate containers are used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample bottles are completely filled? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Samples w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<table border="0"> <tr> <td><b>Login Completion</b></td> <td><u>Yes</u></td> <td><u>No</u></td> <td><u>NA</u></td> </tr> <tr> <td>Receipt Temperature on COC?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Samples received within hold time?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>NCM Filed?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Log Release checked in TALS?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	<b>Login Completion</b>	<u>Yes</u>	<u>No</u>	<u>NA</u>	Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Samples received within hold time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NCM Filed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Log Release checked in TALS?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Login Completion</b>		<u>Yes</u>	<u>No</u>	<u>NA</u>																	
Receipt Temperature on COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
Samples received within hold time?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
NCM Filed?		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																	
Log Release checked in TALS?		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																	
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																		
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																		
Perchlorate has headspace? (Methods 314, 331, 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																		
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
Initials: _____    Date: <u>1/21/21</u>	Initials: _____    Date: <u>1/21/21</u>																				

\*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

# Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-226675-1

**Login Number: 226675**

**List Source: Eurofins TestAmerica, Edison**

**List Number: 1**

**Creator: DiGuardia, Joseph L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (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: New York State D.E.C.

Job Number: 460-226675-1

**Login Number: 226675**

**List Number: 2**

**Creator: Nelson, Kym D**

**List Source: Eurofins TestAmerica, Sacramento**

**List Creation: 01/21/21 04:24 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1169194
Sample custody seals, if present, are 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.	True	
Cooler Temperature is recorded.	True	0.5c
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?	False	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## **Appendix B: Monitoring Well Field Inspection Logs**

SITE NAME: DEC-WEST BABY CON 78

SITE ID.: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
DATE/TIME: 1/13/21  
WELL ID.: MW-1020

### MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below) .....  
WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_  
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satellites: \_\_\_\_\_  
GPS Method (circle) Trimble And/Or Magellan

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL I.D. VISIBLE? .....  
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ..... X .....

SURFACE SEAL PRESENT? .....  
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) .....  
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) .....

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

HEADSPACE READING (ppm) AND INSTRUMENT USED.....  
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)  
PROTECTIVE CASING MATERIAL TYPE: .....  
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

8.6

LOCK PRESENT? .....  
LOCK FUNCTIONAL? .....  
DID YOU REPLACE THE LOCK? .....  
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)  
WELL MEASURING POINT VISIBLE? .....

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): .....  
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): .....  
MEASURE WELL DIAMETER (Inches): .....  
WELL CASING MATERIAL: .....  
PHYSICAL CONDITION OF VISIBLE WELL CASING: .....  
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE .....  
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

86.32  
11.61  
4  
PVC  
OK  
UNK

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.  
*Parking lot with many vehicles*

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:



SITE NAME: DEC-WEST BABYLON TX

SITE ID.: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
DATE/TIME: 1/13/21  
WELL ID.: ERM-211-010

### MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_  
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satellites: \_\_\_\_\_  
GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
SURFACE SEAL PRESENT? ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

HEADSPACE READING (ppm) AND INSTRUMENT USED..... 0.0  
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) \_\_\_\_\_  
PROTECTIVE CASING MATERIAL TYPE: ..... \_\_\_\_\_  
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): ..... \_\_\_\_\_

LOCK PRESENT? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
LOCK FUNCTIONAL? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
DID YOU REPLACE THE LOCK? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
WELL MEASURING POINT VISIBLE? ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ..... 81.98  
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): ..... 11.99  
MEASURE WELL DIAMETER (Inches): ..... 2  
WELL CASING MATERIAL: ..... PVC  
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... OK  
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ..... X  
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... UNK

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.  
PARKING LOT WITH MANY VEHICLES

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.  
\_\_\_\_\_  
\_\_\_\_\_

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):  
\_\_\_\_\_  
\_\_\_\_\_

REMARKS:  
\_\_\_\_\_  
\_\_\_\_\_

SITE NAME: DEC - WEST Babylon 78

SITE ID: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 1/13/21

WELL ID: ERM - NW 1061

WELL VISIBLE? (If not, provide directions below) .....
WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satellites: \_\_\_\_\_
GPS Method (circle) Trimble And/Or Magellan

Table with YES/NO columns and an X in the YES cell.

WELL I.D. VISIBLE? .....
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

Table with YES/NO columns and X's in both cells.

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....
SURFACE SEAL PRESENT? .....
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) .....
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) .....

Table with YES/NO columns and X's in the NO cells.

HEADSPACE READING (ppm) AND INSTRUMENT USED.....
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE: .....
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

0.0
X

LOCK PRESENT? .....
LOCK FUNCTIONAL? .....
DID YOU REPLACE THE LOCK? .....
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)
WELL MEASURING POINT VISIBLE? .....

Table with YES/NO columns and X's in the NO cells.

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): .....
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): .....
MEASURE WELL DIAMETER (Inches): .....
WELL CASING MATERIAL: .....
PHYSICAL CONDITION OF VISIBLE WELL CASING: .....
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE .....
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

85.43
12.26
3"
PVC
No Good
X
UNK

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS: MUST Cut Down PVC CASING IN ORDER TO FIT A 2" LWC!
only DUCT TAPE ON TOP

Sketch

SITE NAME: DEC-W. Babylon 78

SITE ID.: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
DATE/TIME: 1/3/21  
WELL ID.: 8-UM MW 05D

### MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_  
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satellites: \_\_\_\_\_  
GPS Method (circle)      Trimble    And/Or    Magellan

WELL I.D. VISIBLE? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ..... 

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>

  
SURFACE SEAL PRESENT? ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... 0.0  
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) ..... N/A  
PROTECTIVE CASING MATERIAL TYPE: .....  
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

LOCK PRESENT? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
LOCK FUNCTIONAL? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
DID YOU REPLACE THE LOCK? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (if yes, describe below) ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
WELL MEASURING POINT VISIBLE? ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ..... 85.22  
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): ..... 120.21  
MEASURE WELL DIAMETER (Inches): ..... 2  
WELL CASING MATERIAL: ..... PVC  
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... GOOD  
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ..... N/A  
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... ANK

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.  
*parking lot - debris scattered about*

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):  
*LAND FILL*

REMARKS:

SITE NAME: NEC-WEST BABYLON 78

SITE ID: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

**MONITORING WELL FIELD INSPECTION LOG**

DATE/TIME: 1/14/21

WELL ID: MW-07SM

WELL VISIBLE? (If not, provide directions below) \_\_\_\_\_  
WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satelites: \_\_\_\_\_  
GPS Method (circle)      Trimble    And/Or    Magellan

WELL I.D. VISIBLE? \_\_\_\_\_

YES	NO
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: \_\_\_\_\_

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

SURFACE SEAL PRESENT? \_\_\_\_\_

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) \_\_\_\_\_

PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) \_\_\_\_\_

HEADSPACE READING (ppm) AND INSTRUMENT USED.....

8.5

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)

PROTECTIVE CASING MATERIAL TYPE: \_\_\_\_\_

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): \_\_\_\_\_

LOCK PRESENT? \_\_\_\_\_

LOCK FUNCTIONAL? \_\_\_\_\_

DID YOU REPLACE THE LOCK? \_\_\_\_\_

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE? \_\_\_\_\_

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): \_\_\_\_\_

86.43

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): \_\_\_\_\_

11.46

MEASURE WELL DIAMETER (Inches): \_\_\_\_\_

2

WELL CASING MATERIAL: \_\_\_\_\_

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: \_\_\_\_\_

OK

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE \_\_\_\_\_

UNK

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

ASPHALT/CONCRETE PARKING AREA / WORK AREA  
MANY VEHICLES

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

SITE NAME: DEC - WEST BABY/LOM 78

SITE ID.: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
DATE/TIME: 1/14/21  
WELL ID.: MW-1000

### MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below) .....  
WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_  
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satellites: \_\_\_\_\_  
GPS Method (circle)      Trimble      And/Or      Magellan

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL I.D. VISIBLE? .....  
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....  
SURFACE SEAL PRESENT? .....  
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) .....  
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) .....

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

HEADSPACE READING (ppm) AND INSTRUMENT USED.....  
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)  
PROTECTIVE CASING MATERIAL TYPE: .....  
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

25.7  
\_\_\_\_\_  
\_\_\_\_\_

LOCK PRESENT? .....  
LOCK FUNCTIONAL? .....  
DID YOU REPLACE THE LOCK? .....  
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)  
WELL MEASURING POINT VISIBLE? .....

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): .....  
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): .....  
MEASURE WELL DIAMETER (Inches): .....  
WELL CASING MATERIAL: .....  
PHYSICAL CONDITION OF VISIBLE WELL CASING: .....  
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE .....  
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

9.57  
13.57  
2  
PVC  
OK  
UNK

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.  
BACK OF "ALLEY"

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):  
UNK

REMARKS:

SITE NAME: AEC - WEST BABYLON 78

SITE ID: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
DATE/TIME: 1/14/21  
WELL ID: ERM-MW-070

### MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below) .....  
WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_  
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satelites: \_\_\_\_\_  
GPS Method (circle) Trimble And/Or Magellan

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL I.D. VISIBLE? .....  
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

YES	NO
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

SURFACE SEAL PRESENT? .....  
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) .....  
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) .....

HEADSPACE READING (ppm) AND INSTRUMENT USED.....  
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)  
PROTECTIVE CASING MATERIAL TYPE: .....  
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): see below

0.6

LOCK PRESENT? .....  
LOCK FUNCTIONAL? .....  
DID YOU REPLACE THE LOCK? .....  
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)  
WELL MEASURING POINT VISIBLE? .....

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): .....  
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): .....  
MEASURE WELL DIAMETER (Inches): .....  
WELL CASING MATERIAL: .....  
PHYSICAL CONDITION OF VISIBLE WELL CASING: .....  
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE .....  
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

100+  
1391  
2  
PC  
OR  
unk

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.  
PARKING / WORK AREA

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS: 4" PC CASING AROUND 2" WELL CASING

SITE NAME: DEC-WEST BABYLON 78

SITE ID: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
DATE/TIME: 1/14/21  
WELL ID: MW101D

**MONITORING WELL FIELD INSPECTION LOG**

WELL VISIBLE? (If not, provide directions below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL COORDINATES? NYTM X \_\_\_\_\_ NYTM Y \_\_\_\_\_  
PDOP Reading from Trimble Pathfinder: \_\_\_\_\_ Satelites: \_\_\_\_\_  
GPS Method (circle)      Trimble      And/Or      Magellan

WELL I.D. VISIBLE? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
SURFACE SEAL PRESENT? ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) ..... 

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... 22.7  
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) .....             
PROTECTIVE CASING MATERIAL TYPE: .....             
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....           

LOCK PRESENT? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
LOCK FUNCTIONAL? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
DID YOU REPLACE THE LOCK? ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below) ..... 

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

  
WELL MEASURING POINT VISIBLE? ..... 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ..... 83.54  
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): ..... 11.68  
MEASURE WELL DIAMETER (Inches): ..... 2  
WELL CASING MATERIAL: ..... PVC  
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... OK  
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE .....             
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... UNK

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.  
PARKING/WORK AREA

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:



## **Appendix C: Waste Manifest**





**WORK ORDER : 300878**

**PO #: -**

**DATE CREATED: FEB. 23, 2021, 2:15 P.M.**

**USER: KENNETH WALSH**

**Generator: pRIDE sOLVENTS & cHEMICALS**

**ID: 32811**

**Address: 78-88 LAMAR STREET ,,**

**City: WEST BABYLON**

**State: NEW YORK**

**Zip Code: 11704**

**Phone: (631) 241-8741**

**Email: None**

**Contact: IAN HOFFMAN**

**Notes: None**

**Industry Type: Env**

**Bill To: ENVIRONMENTAL ASSESSMENTS & REMEDIATION**

**ID: 19806**

**Address: 225 ATLANTIC AVENUE nan**

**City: PATCHOGUE**

**State: None**

**Zip Code: 11772**

**Phone: (631) 241-8741**

**Email: 11284@none.com**

**Contact: IAN HOFFMAN**

**Notes: N/A**

**Payment term:**

Manifest #	Service Name	Service Date	Team Member	Transporter	Facility	Truck Type
300878WA	CALL IN	Feb. 25, 2021	1	ABLE ENVIRONMENTAL SERVICES.	TRIUMVIRATE ENVIRONMENTAL (NYC), LLC	BOX,

Job Description

02/25/2021

LOAD AND TRANSPORT TWO DRUMS TO TRIUMVIRATE

MEET IAN HOFFMAN FROM EAR ON-SITE AT 0800

MOB \_\_\_\_\_ Time In

Customer Signature \_\_\_\_\_ Date

Time Out \_\_\_\_\_ DE MOB

Driver Signature \_\_\_\_\_ Date

*Handwritten signature and date 2/25*

*Handwritten signature and date 2/25*

Please print or type.

(2x55)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYD059722258	2. Page 1 of 1	3. Emergency Response Phone 800-633-8753	4. Manifest Tracking Number 019312154 JJK		
5. Generator's Name and Mailing Address PRIDE SOLVENTS + CHEMICALS 78-88 KAMAR ST WEST Babylon NY 11704				Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name ABLE ENVIRONMENTAL SERVICES, INC		U.S. EPA ID Number NYR000003582					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address TRIUMPHANTE ENVIRONMENTAL LLC (NYC) 42-14 197L AVE, ASTORIA NY 11005				U.S. EPA ID Number NYD077444263			
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. NA3082, HAZARDOUS WASTE LIQUID, N.O.S., 9, PGIII, (TETRACHLOROETHENE, WATER)	2	DM	110	B	0039	B
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1. APPROVAL - NYC 31640 (2x55)							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name ACTING AGENT OF DOC				Signature 		Month Day Year 2 25 21	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name MAY 14 W				Signature 		Month Day Year 2 25 21	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H141		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name David Keziah				Signature 		Month Day Year 02 25 21	